

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007292.D
 Acq On : 31 Aug 2018 10:57
 Operator : SY/MD
 Sample : VSTD10074
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

Quant Time: Aug 31 23:39:47 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	657148	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	633897	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	320395	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	384697	86.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	236836	68.23	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	707241	89.78	ug/L	0.00
21) 2-Butanone-d5	3.96	46	630947	186.53	ug/L	0.00
24) Chloroform-d	4.41	84	815946	92.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	490762	91.83	ug/L	0.00
32) Benzene-d6	5.10	84	1688299	94.78	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	541171	92.34	ug/L	0.00
41) Toluene-d8	7.36	98	1576522	100.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	254618	99.24	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	458232	242.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	741650	94.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	603946	91.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	487832	93.442 ug/L	# 86
3) Chloromethane	1.26	50	530205	86.376 ug/L	99
5) Vinyl chloride	1.32	62	518102	94.560 ug/L	100
6) Bromomethane	1.53	94	241639	125.701 ug/L	100
8) Chloroethane	1.59	64	218116	70.543 ug/L	97
9) Trichlorofluoromethane	1.76	101	648156	93.342 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	400129	94.357 ug/L	99
12) 1,1-Dichloroethene	2.14	96	376294	93.035 ug/L	90
13) Acetone	2.21	43	491504	189.272 ug/L	100
14) Carbon disulfide	2.32	76	1128058	91.404 ug/L	100
15) Methyl Acetate	2.47	43	424331	94.241 ug/L	99
16) Methylene chloride	2.54	84	436647	95.012 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	413008	94.484 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	1284737	98.044 ug/L	100
19) 1,1-Dichloroethane	3.23	63	833669	93.922 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	497072	97.952 ug/L	96
22) 2-Butanone	4.04	43	774195	195.777 ug/L	99
23) Bromochloromethane	4.31	128	246554	94.866 ug/L	94
25) Chloroform	4.43	83	828817	95.277 ug/L	98
27) 1,2-Dichloroethane	5.19	62	625615	97.176 ug/L	99
29) Cyclohexane	4.73	56	743079	103.784 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	700114	96.329 ug/L	99
31) Carbon tetrachloride	4.88	117	607439	97.357 ug/L	99
33) Benzene	5.15	78	1934573	98.577 ug/L	100
34) Trichloroethene	5.96	95	457172	95.735 ug/L	99
35) Methylcyclohexane	6.18	83	806962	106.274 ug/L	97
37) 1,2-Dichloropropane	6.23	63	508595	97.696 ug/L	99
38) Bromodichloromethane	6.56	83	621265	97.413 ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	765610	104.538 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	1245019	204.034 ug/L	97

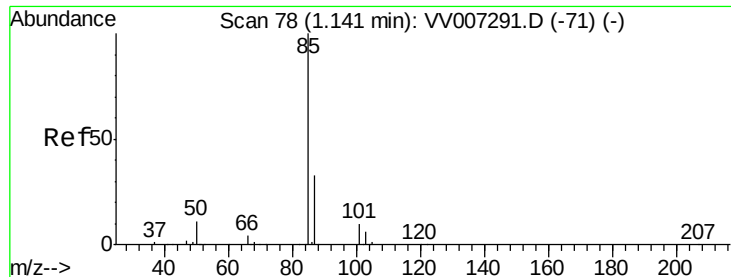
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:38:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1994184	104.675	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	709708	104.758	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	471129	97.468	ug/L	99
46) Tetrachloroethene	8.02	164	388607	98.582	ug/L	97
48) 2-Hexanone	8.20	43	1014922	208.878	ug/L	99
49) Dibromochloromethane	8.30	129	504432	101.455	ug/L	100
50) 1,2-Dibromoethane	8.40	107	477119	98.122	ug/L	99
51) Chlorobenzene	8.93	112	1270789	98.662	ug/L	100
52) Ethylbenzene	9.06	91	2139769	107.981	ug/L	99
53) m,p-Xylene	9.19	106	824898	109.835	ug/L	100
54) o-xylene	9.59	106	801217	110.749	ug/L	100
55) Styrene	9.61	104	1428396	114.411	ug/L	97
56) Isopropylbenzene	9.98	105	2069942	112.105	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	762702	96.072	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	602306	94.991	ug/L	99
61) Bromoform	9.78	173	373311	96.783	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	926299	95.501	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	995460	94.862	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	1004185	96.153	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	157538	103.399	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	734645	102.727	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	622368	114.371	ug/L	99
69) Naphthalene	13.56	128	2003305	130.967	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	683272	116.020	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 93.442 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

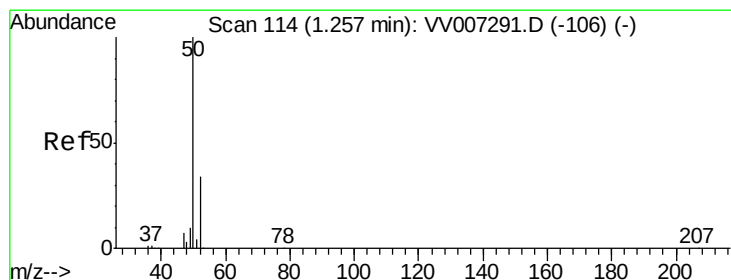
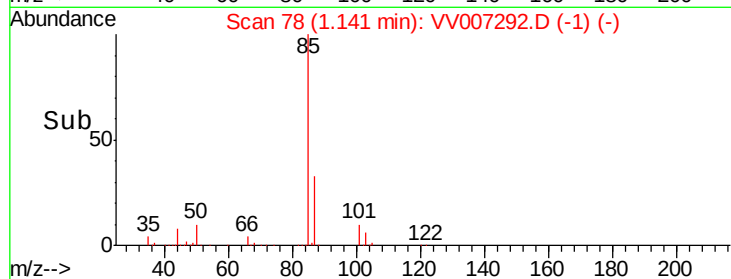
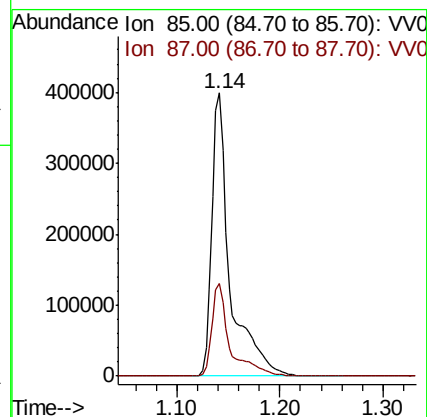
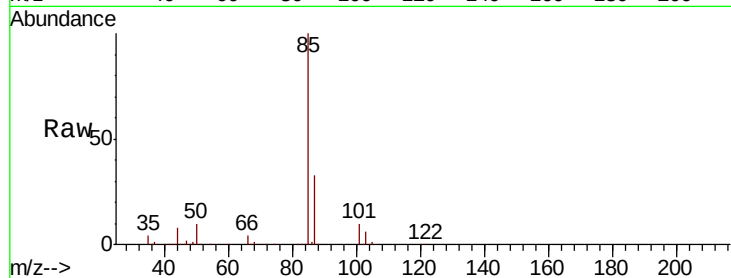
VSTD10074

Tgt Ion: 85 Resp: 487832

Ion Ratio Lower Upper

85 100

87 32.4 20.3 30.5#



#3

Chloromethane

Concen: 86.376 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007292.D

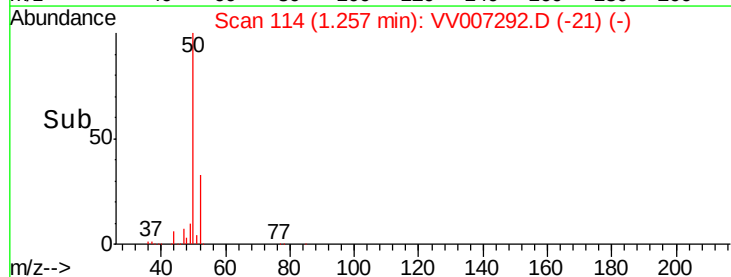
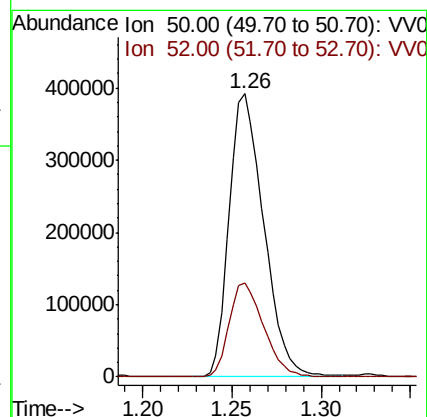
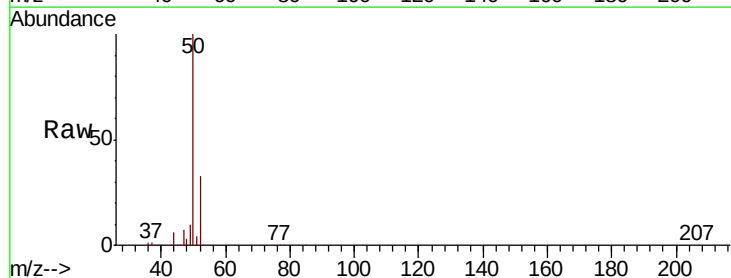
Acq: 31 Aug 2018 10:57

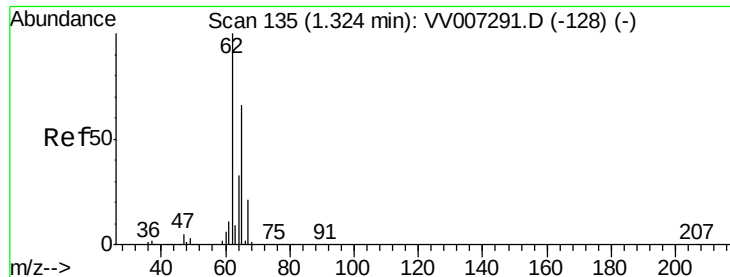
Tgt Ion: 50 Resp: 530205

Ion Ratio Lower Upper

50 100

52 33.2 23.6 43.8





#5

Vinyl chloride

Concen: 94.560 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

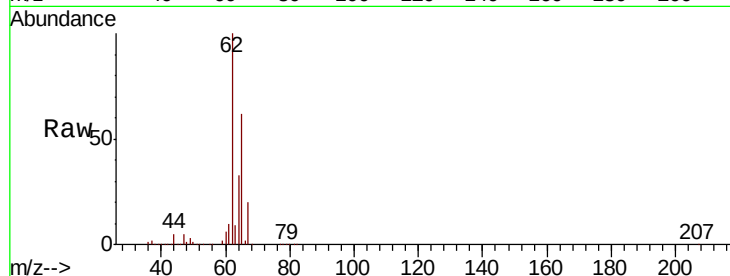
VSTD10074

Tgt Ion: 62 Resp: 518102

Ion Ratio Lower Upper

62 100

64 33.3 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) (-)

1.32

400000

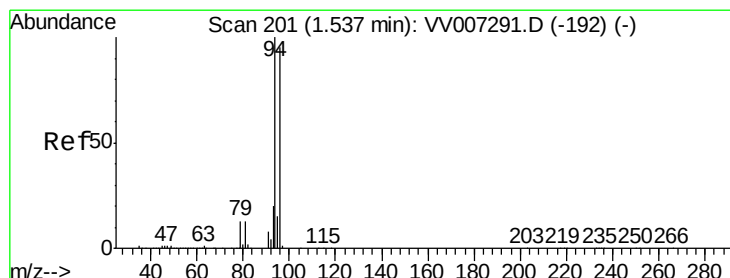
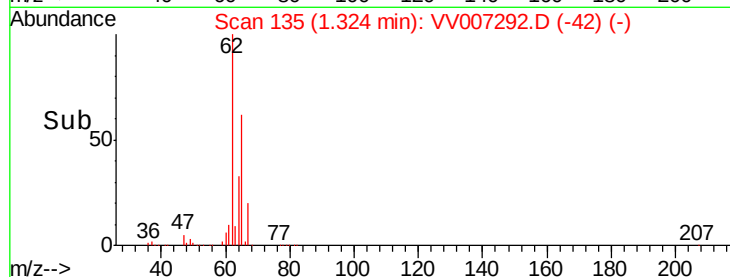
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 125.701 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007292.D

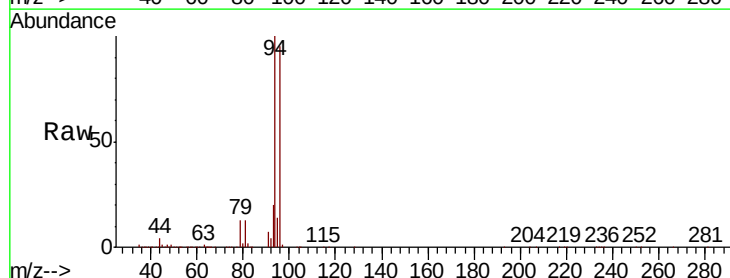
Acq: 31 Aug 2018 10:57

Tgt Ion: 94 Resp: 241639

Ion Ratio Lower Upper

94 100

96 94.8 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) (-)

1.53

250000

200000

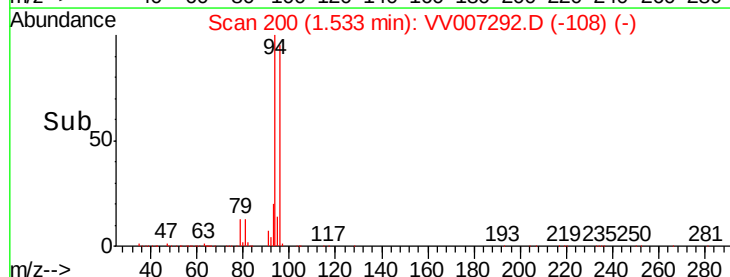
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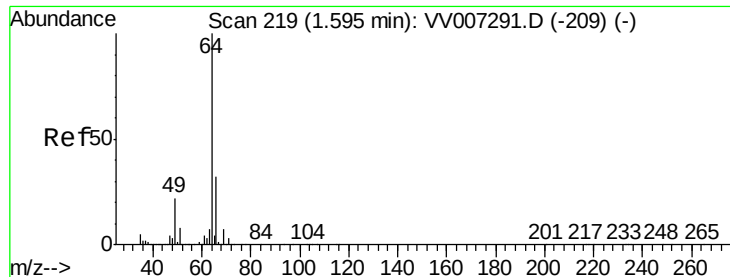
100000

50000

0

Time-->





#8

Chloroethane

Concen: 70.543 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

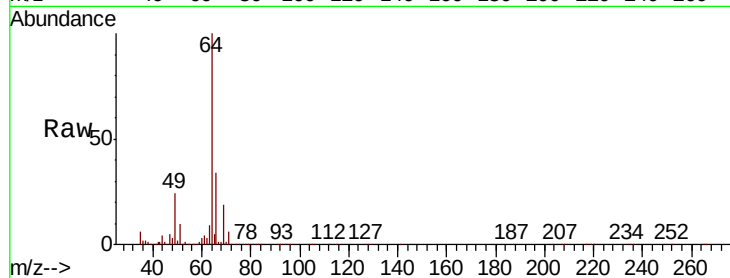
VSTD10074

Tgt Ion: 64 Resp: 218116

Ion Ratio Lower Upper

64 100

66 33.5 22.3 41.3



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

Ion 66.00 (65.70 to 66.70): VV007291.D

1.59

200000

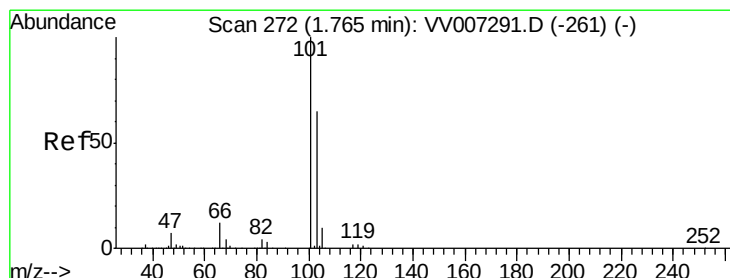
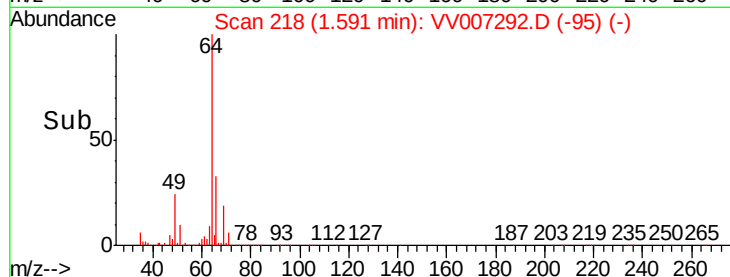
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 93.342 ug/L

RT: 1.76 min Scan# 272

Delta R.T. 0.00 min

Lab File: VV007292.D

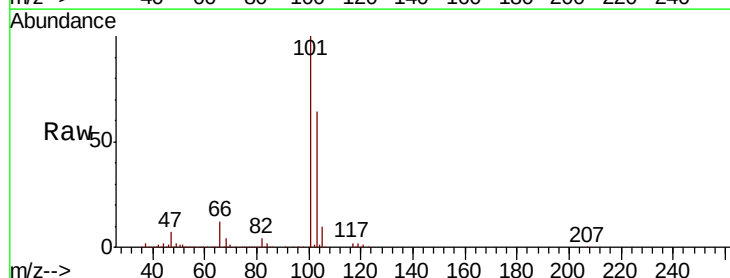
Acq: 31 Aug 2018 10:57

Tgt Ion: 101 Resp: 648156

Ion Ratio Lower Upper

101 100

103 64.4 52.3 78.5



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

Ion 103.00 (102.70 to 103.70): VV007291.D

1.76

600000

500000

400000

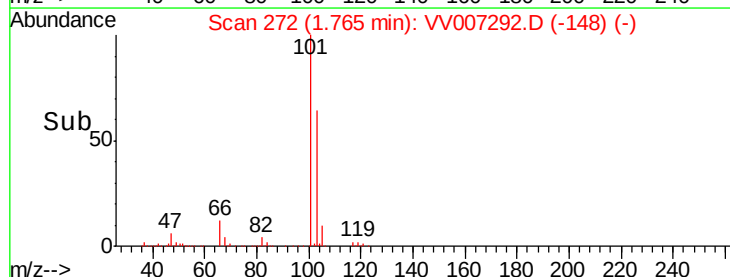
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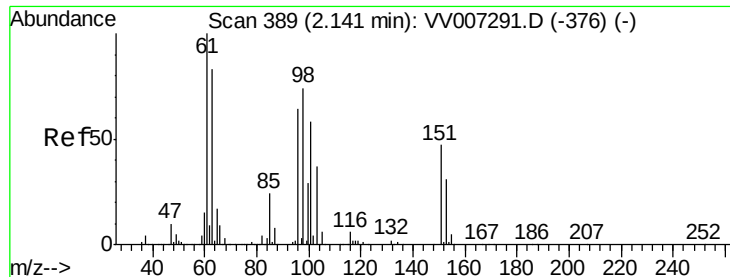
200000

100000

0

Time-->





#10

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

Concen: 94.357 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

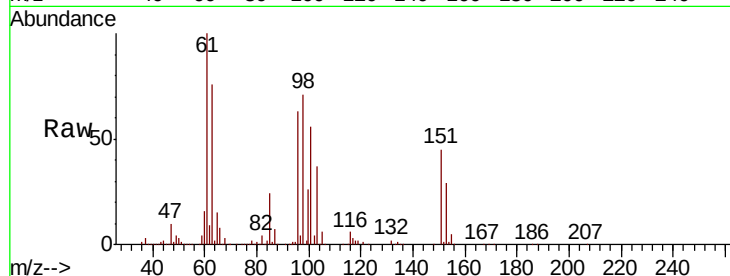
Tgt Ion: 101 Resp: 400129

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

151 79.9 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) (-)

2.14

200000

150000

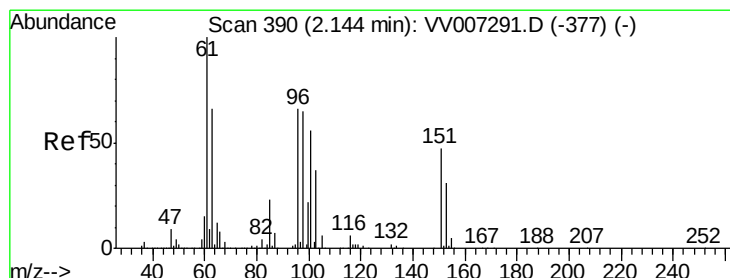
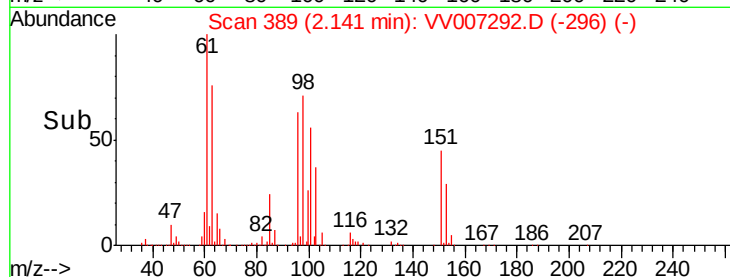
100000

50000

0

2.05 2.10 2.15 2.20

Time-->



#12

1,1-Dichloroethene

Concen: 93.035 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

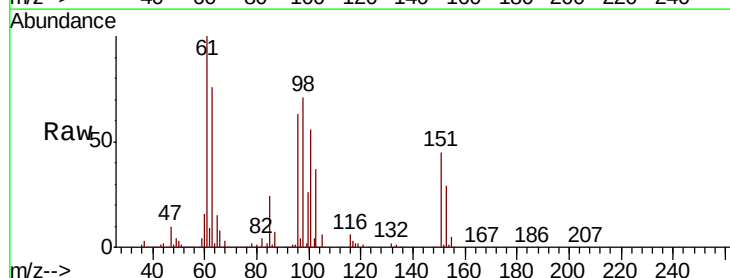
Tgt Ion: 96 Resp: 376294

Ion Ratio Lower Upper

96 100

61 158.0 106.3 197.5

63 120.3 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) (-)

2.14

600000

500000

400000

300000

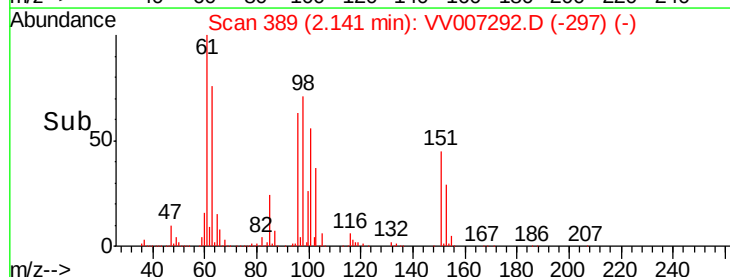
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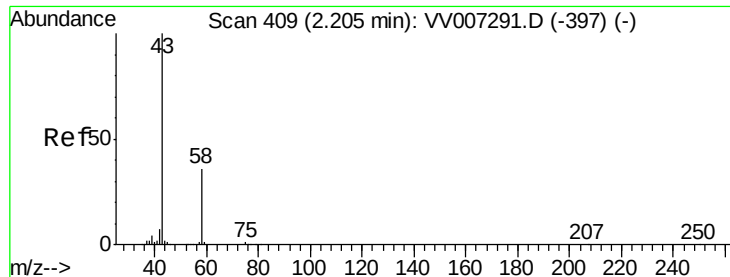
100000

0

2.05 2.10 2.15 2.20

Time-->





#13

Acetone

Concen: 189.272 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

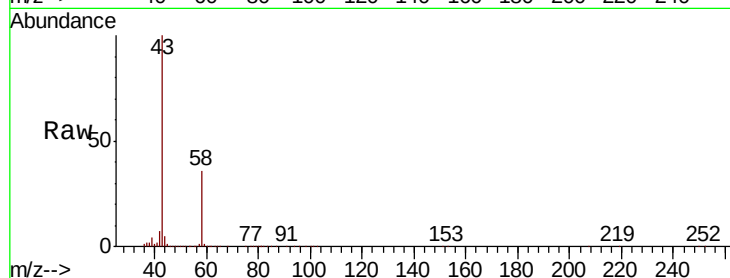
VSTD10074

Tgt Ion: 43 Resp: 491504

Ion Ratio Lower Upper

43 100

58 35.9 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

300000

250000

200000

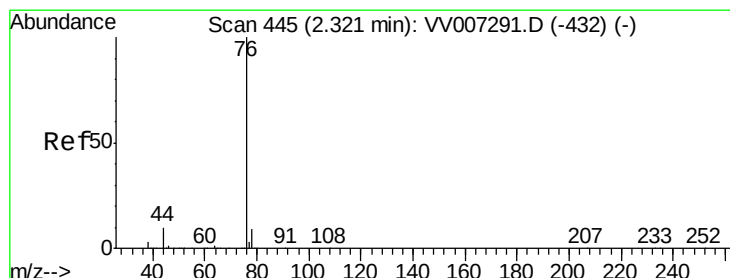
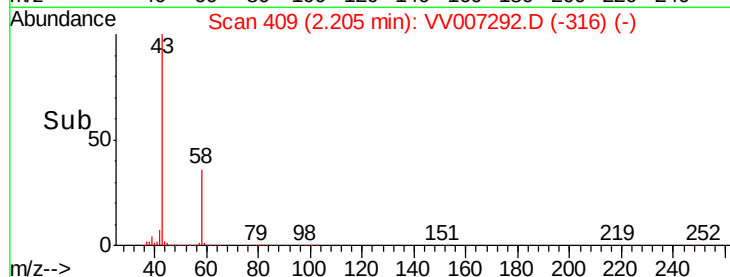
150000

100000

50000

0

Time--> 2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 91.404 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007292.D

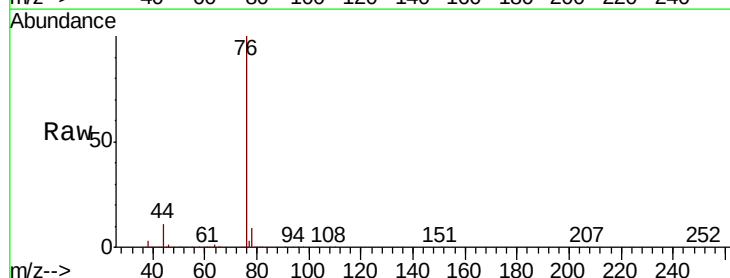
Acq: 31 Aug 2018 10:57

Tgt Ion: 76 Resp: 1128058

Ion Ratio Lower Upper

76 100

78 9.2 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

800000

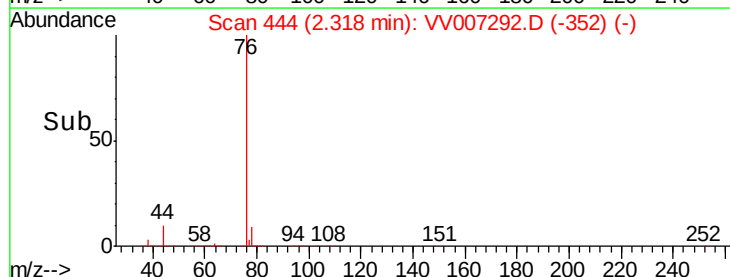
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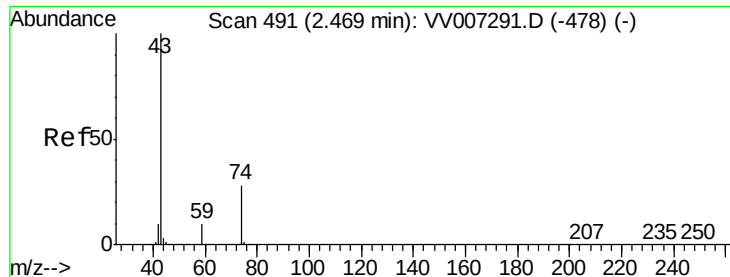
400000

200000

0

Time--> 2.20 2.30 2.40 2.50

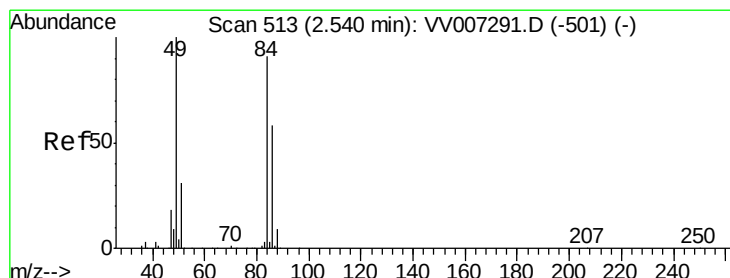
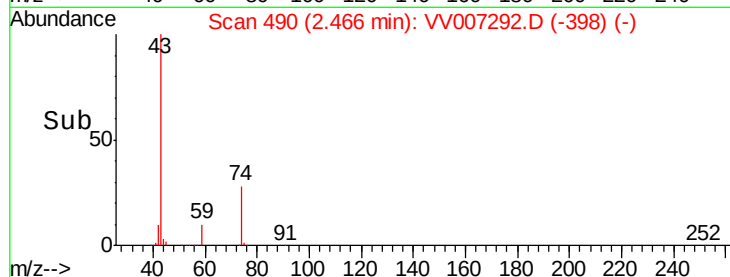
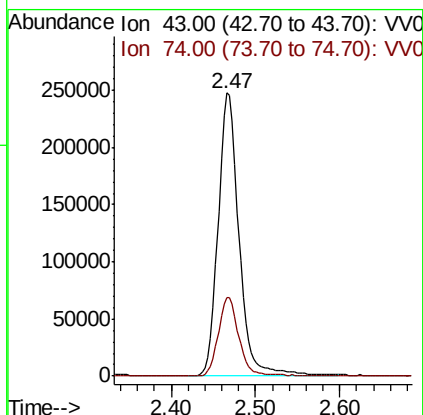
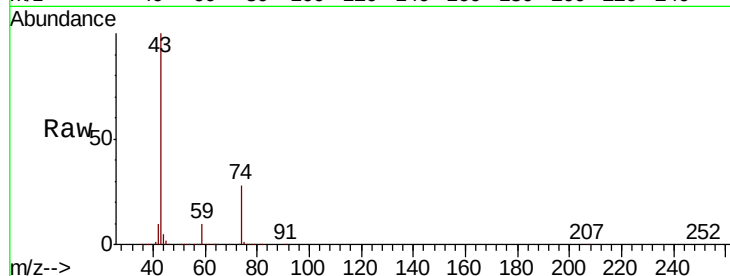




#15
Methyl Acetate
Concen: 94.241 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

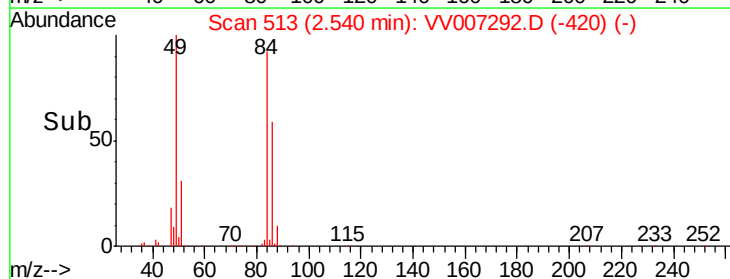
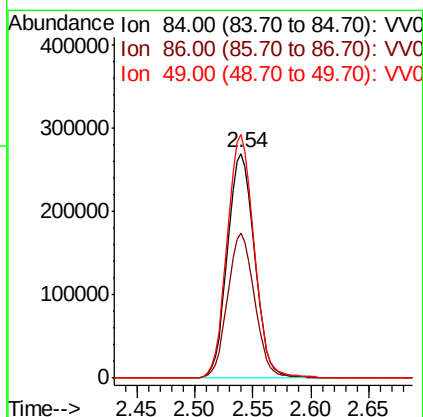
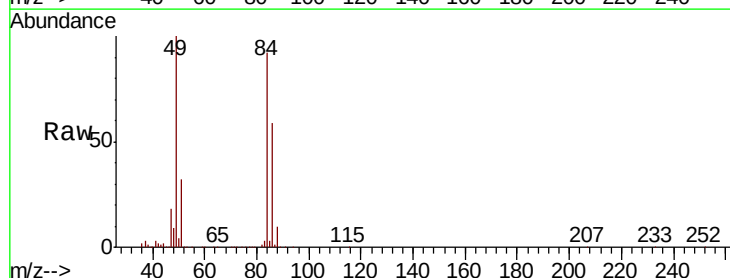
Instrument :
MSVOA_V
ClientSampled :
VSTD10074

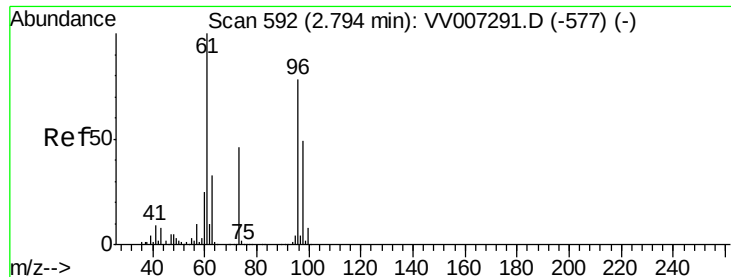
Tgt Ion: 43 Resp: 424331
Ion Ratio Lower Upper
43 100
74 27.4 21.4 32.2



#16
Methylene chloride
Concen: 95.012 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

Tgt Ion: 84 Resp: 436647
Ion Ratio Lower Upper
84 100
86 64.4 44.9 83.3
49 108.4 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 94.484 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

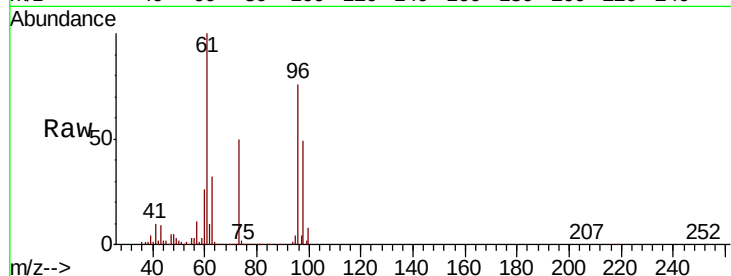
Tgt Ion: 96 Resp: 413008

Ion Ratio Lower Upper

96 100

61 131.2 90.4 167.8

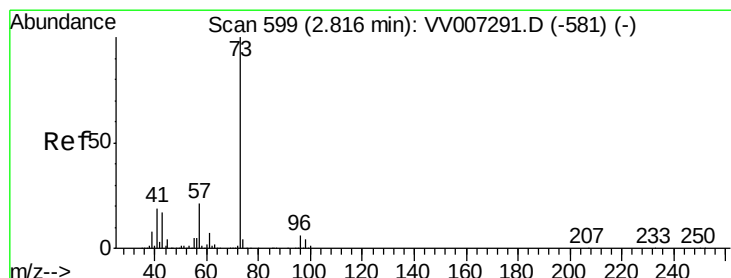
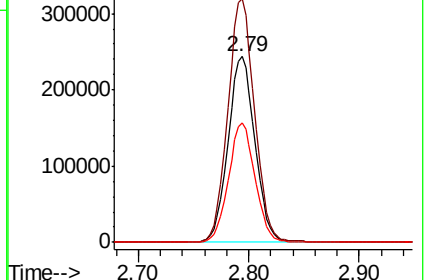
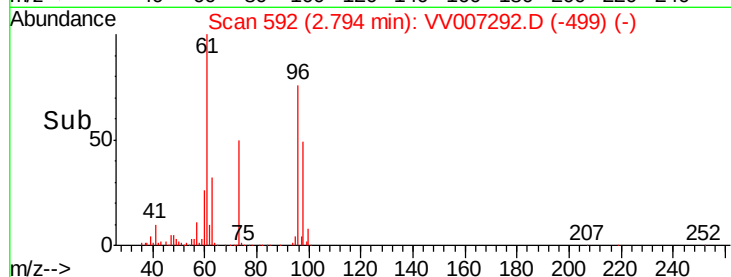
98 64.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV007292.D (-499) (-)

Ion 61.00 (60.70 to 61.70): VV007292.D (-499) (-)

Ion 98.00 (97.70 to 98.70): VV007292.D (-499) (-)



#18

Methyl tert-butyl Ether

Concen: 98.044 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

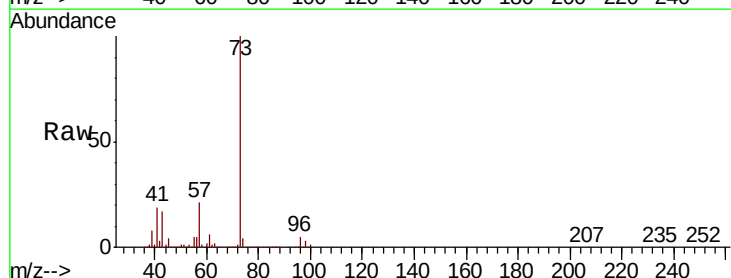
Tgt Ion: 73 Resp: 1284737

Ion Ratio Lower Upper

73 100

43 16.8 13.4 20.2

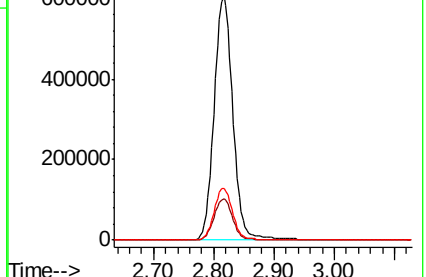
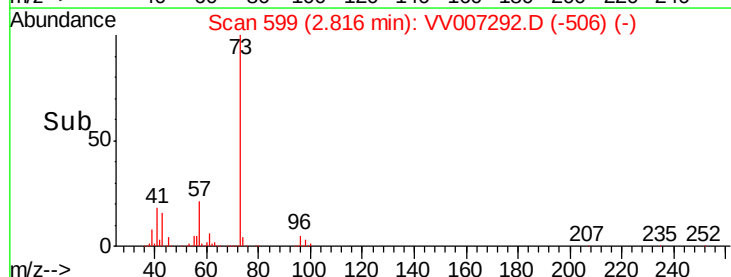
57 21.0 16.8 25.2

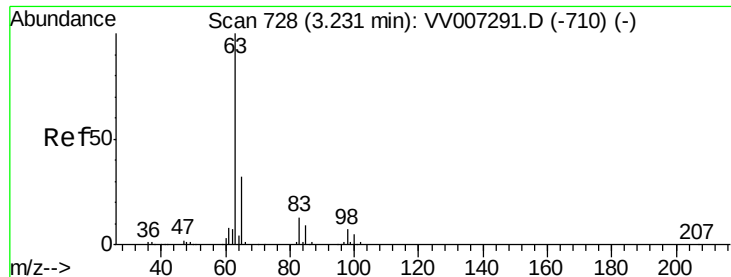


Abundance Ion 73.00 (72.70 to 73.70): VV007292.D (-506) (-)

Ion 43.00 (42.70 to 43.70): VV007292.D (-506) (-)

Ion 57.00 (56.70 to 57.70): VV007292.D (-506) (-)

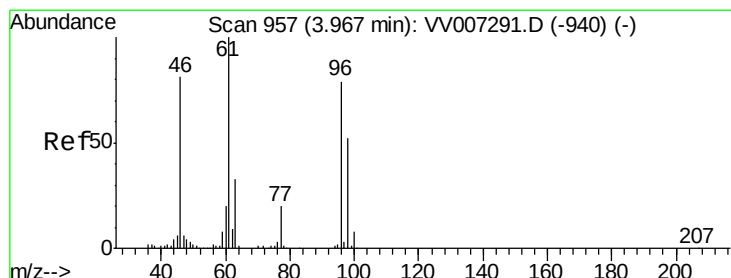
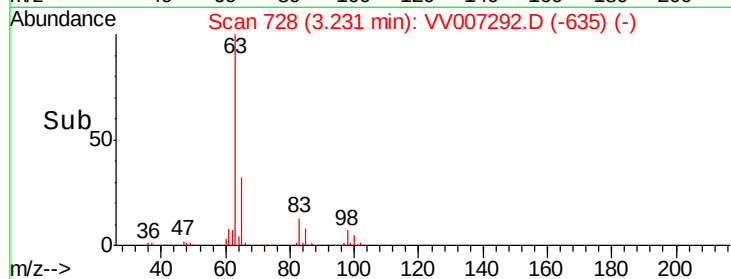
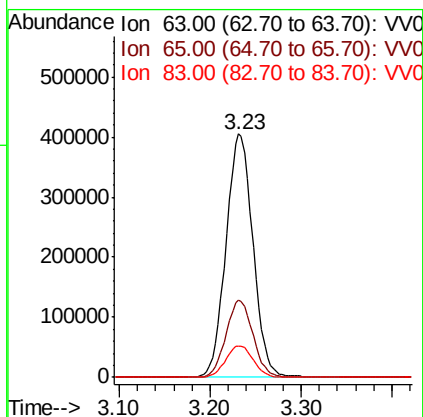
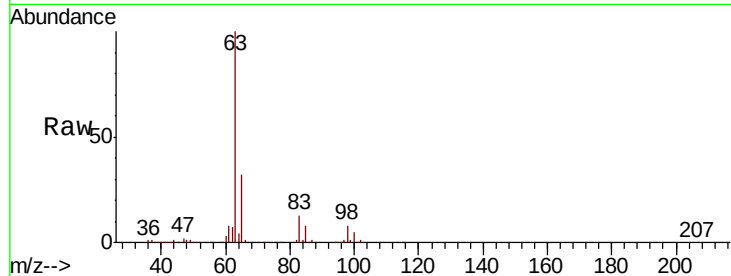




#19
 1,1-Dichloroethane
 Concen: 93.922 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

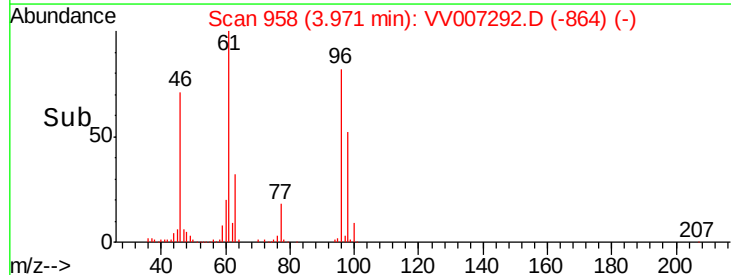
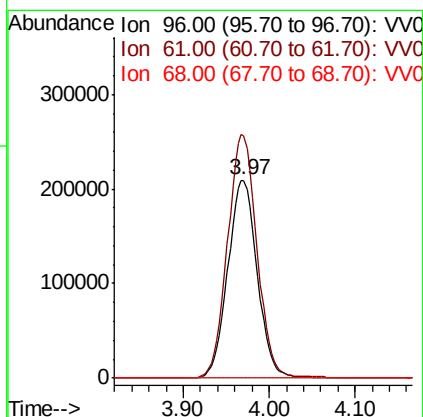
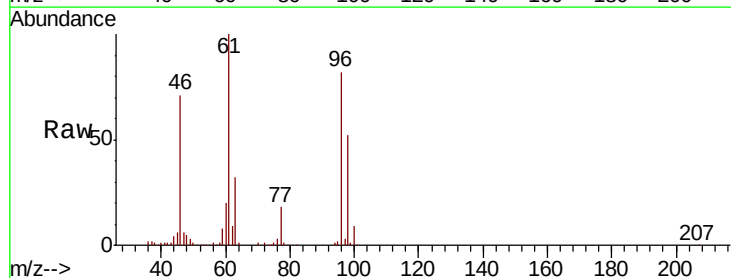
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10074

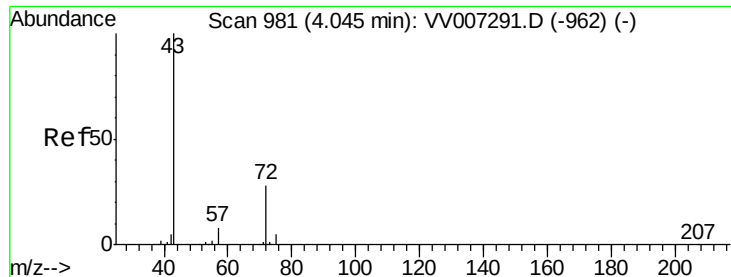
Tgt Ion: 63 Resp: 833669
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 41.0
 83 13.0 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 97.952 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion: 96 Resp: 497072
 Ion Ratio Lower Upper
 96 100
 61 122.1 88.4 164.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 195.777 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

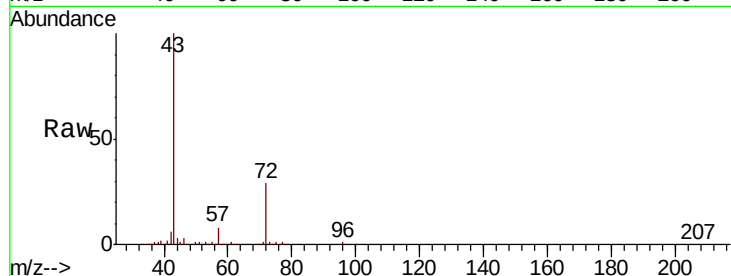
VSTD10074

Tgt Ion: 43 Resp: 774195

Ion Ratio Lower Upper

43 100

72 27.6 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) (-)

4.04

300000

250000

200000

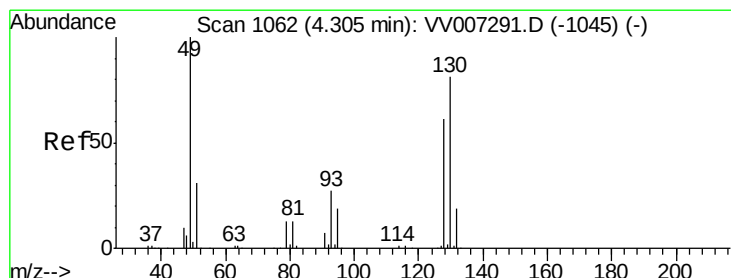
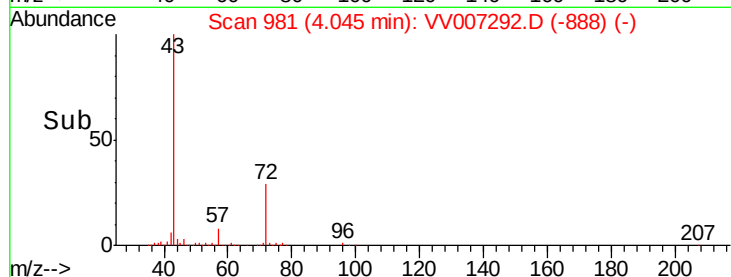
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 94.866 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Tgt Ion: 128 Resp: 246554

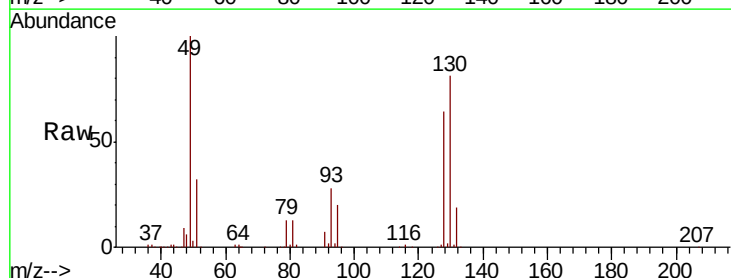
Ion Ratio Lower Upper

128 100

49 156.1 115.6 214.8

130 126.6 93.7 173.9

51 50.2 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) (-)

250000

200000

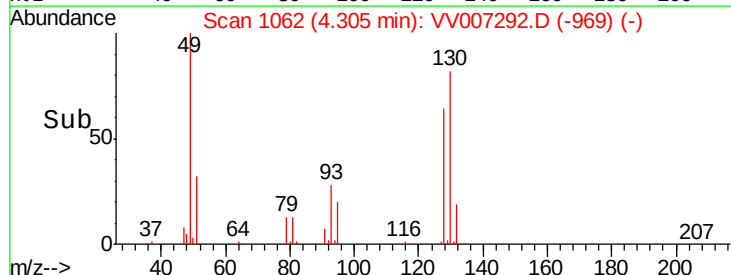
150000

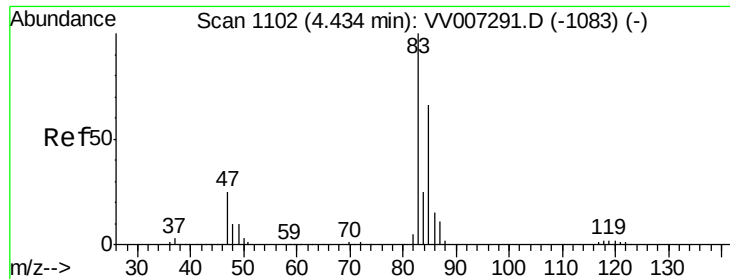
100000

50000

0

Time-->

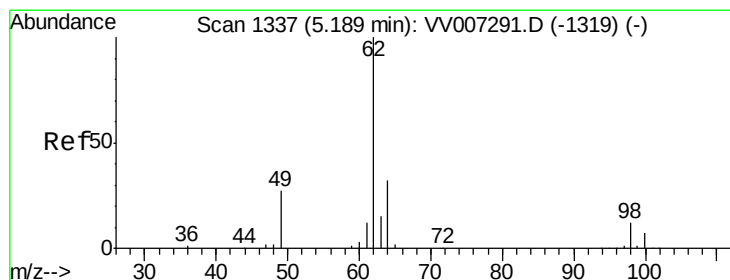
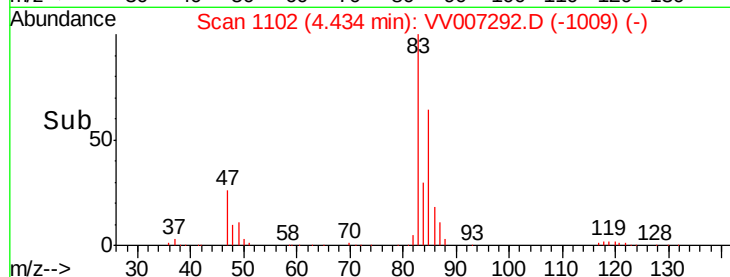
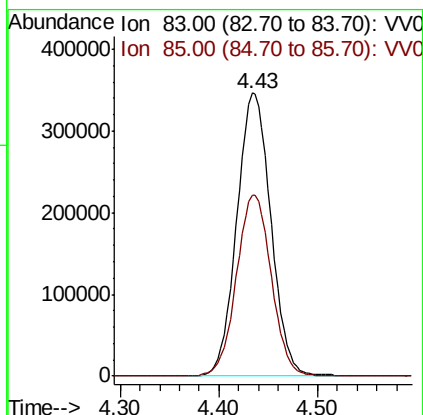
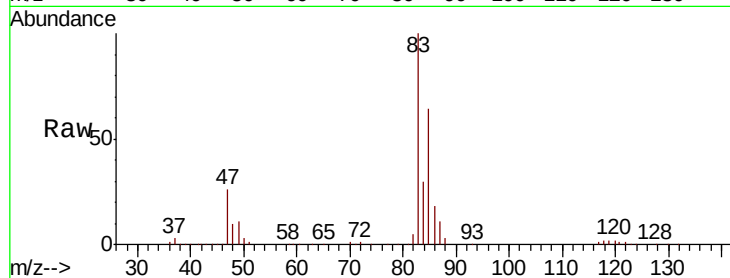




#25
Chloroform
Concen: 95.277 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

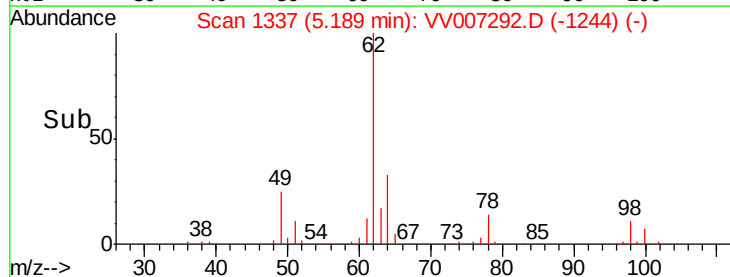
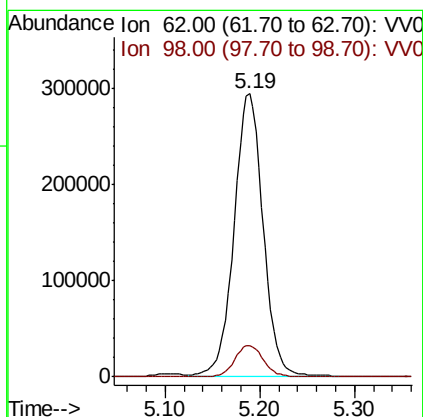
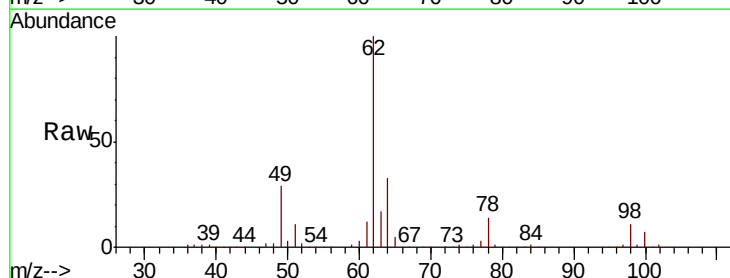
Instrument :
MSVOA_V
ClientSampleId :
VSTD10074

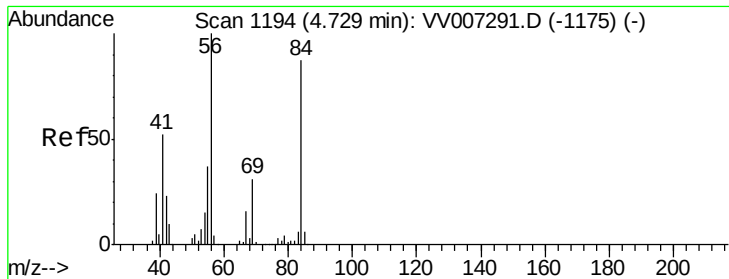
Tgt Ion: 83 Resp: 828817
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 97.176 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

Tgt Ion: 62 Resp: 625615
Ion Ratio Lower Upper
62 100
98 11.1 9.1 13.7

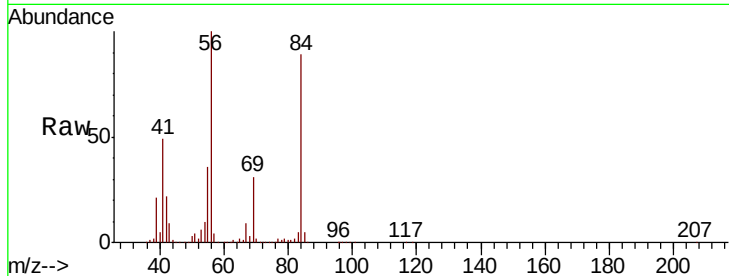




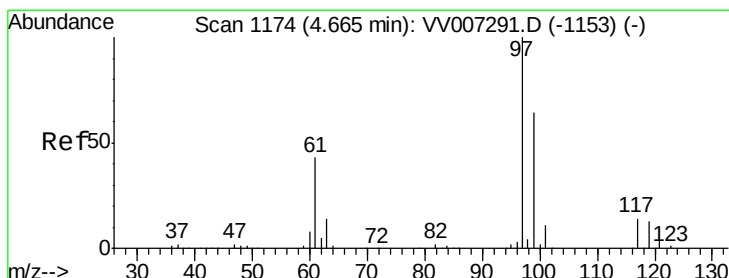
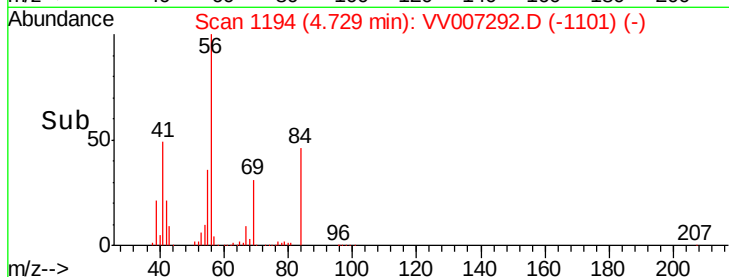
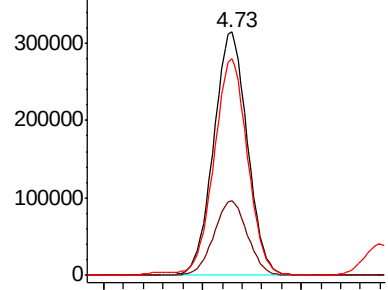
#29
Cyclohexane
Concen: 103.784 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD10074

Tgt Ion: 56 Resp: 743079
Ion Ratio Lower Upper
56 100
69 30.6 24.7 37.1
84 88.6 70.8 106.2

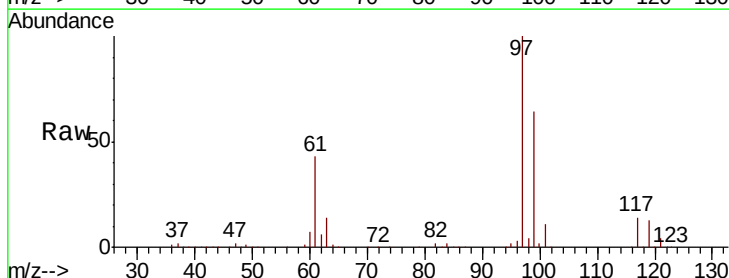


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

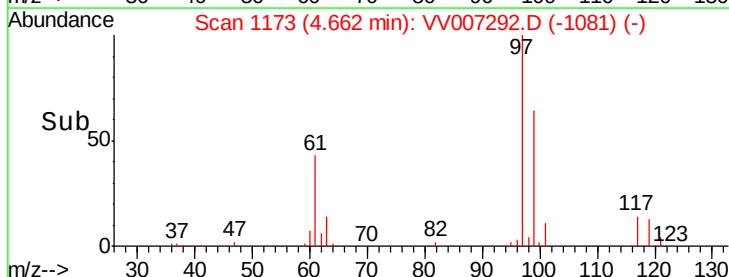
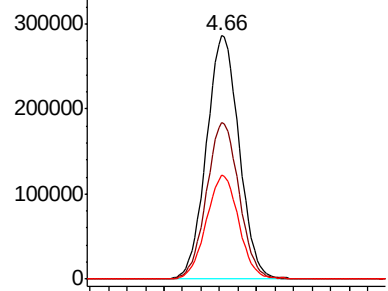


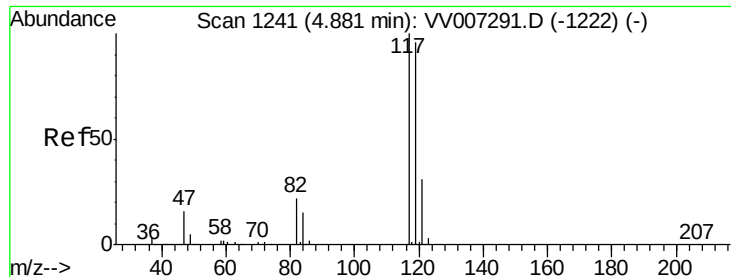
#30
1,1,1-Trichloroethane
Concen: 96.329 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

Tgt Ion: 97 Resp: 700114
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 42.3 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: 97.357 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

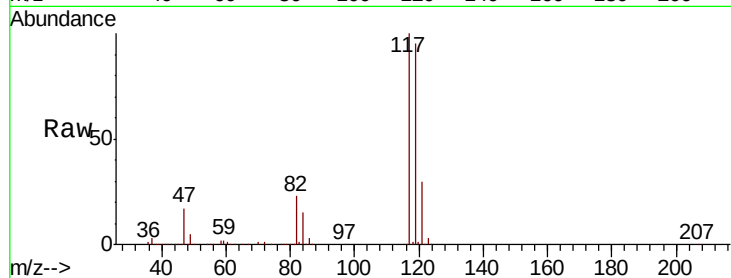
VSTD10074

Tgt Ion:117 Resp: 607439

Ion Ratio Lower Upper

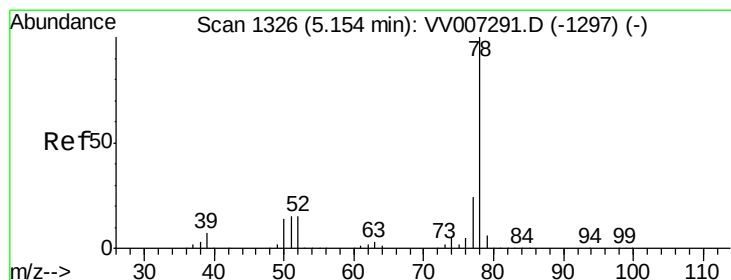
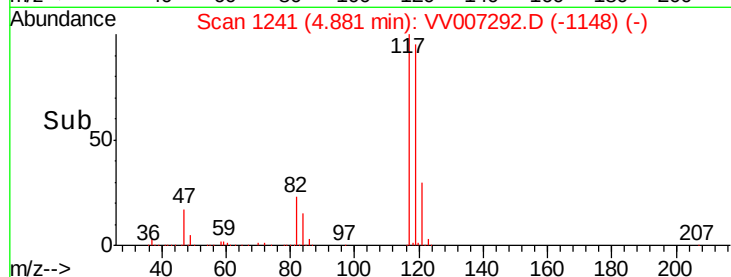
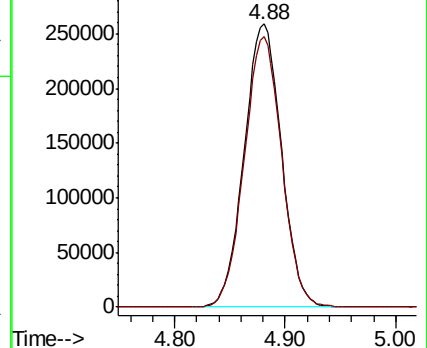
117 100

119 95.8 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: 98.577 ug/L

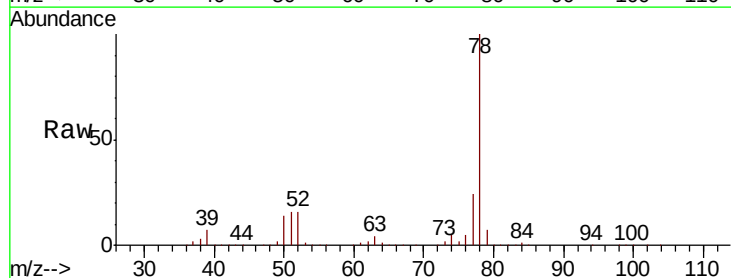
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

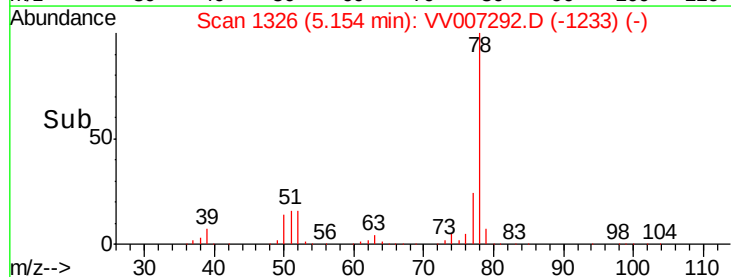
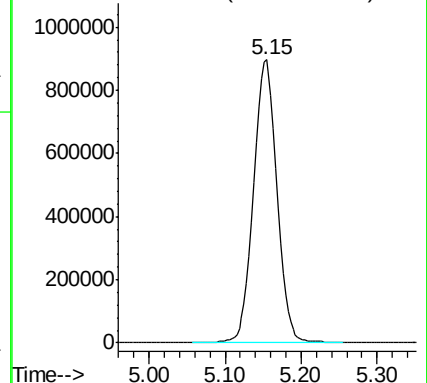
Lab File: VV007292.D

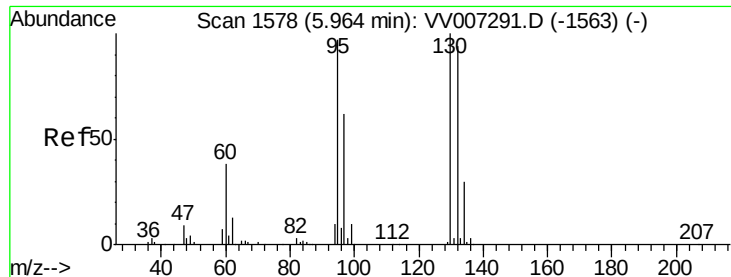
Acq: 31 Aug 2018 10:57

Tgt Ion: 78 Resp: 1934573



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 95.735 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

Tgt Ion: 95 Resp: 457172

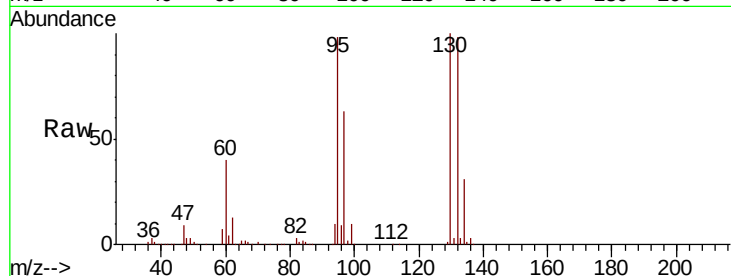
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.9

132 100.2 68.3 126.9

130 102.4 72.4 134.5

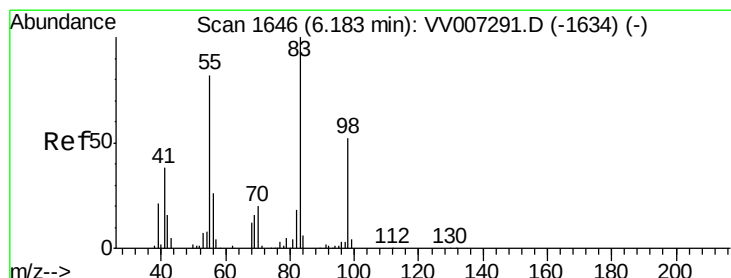
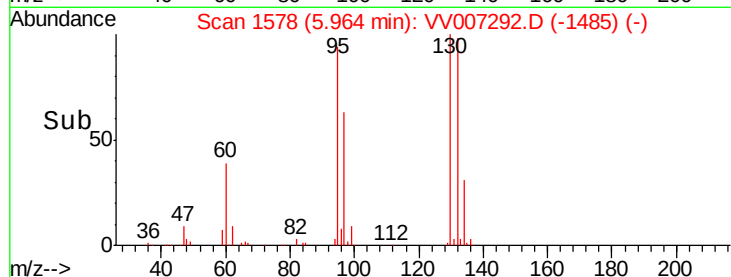
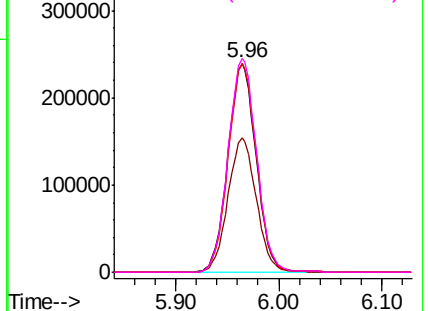


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 106.274 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

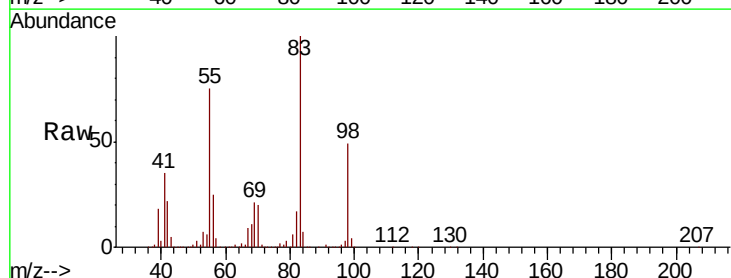
Tgt Ion: 83 Resp: 806962

Ion Ratio Lower Upper

83 100

55 74.6 62.4 93.6

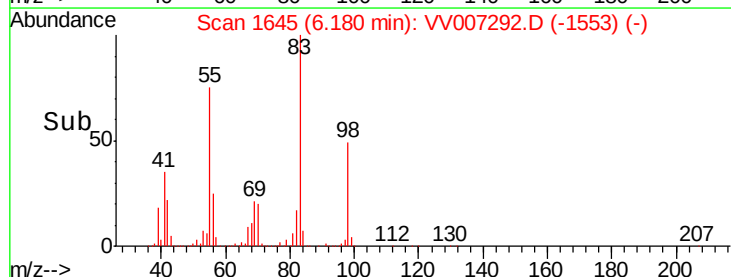
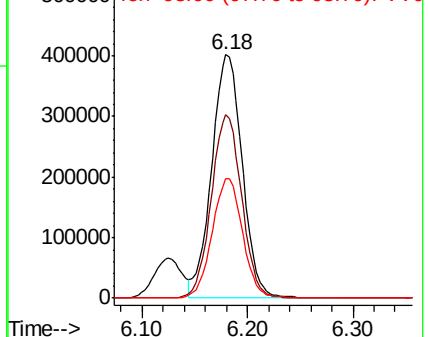
98 49.1 39.0 58.4

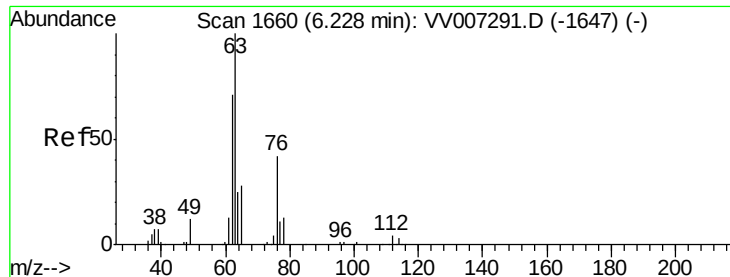


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

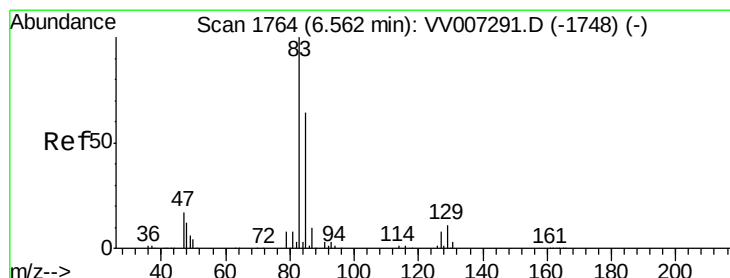
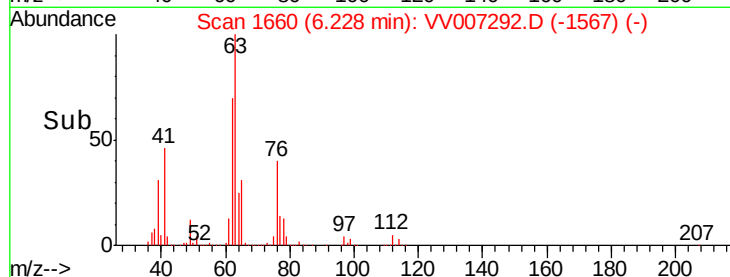
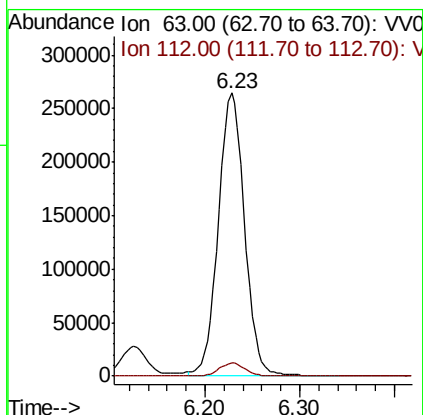
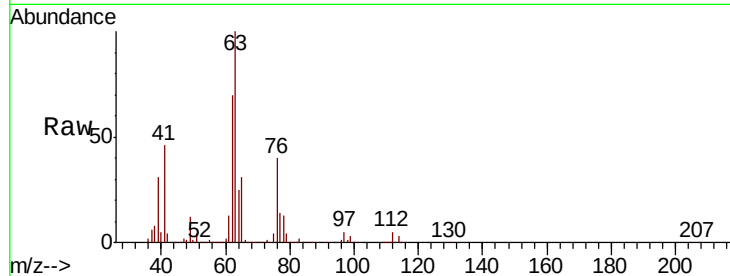




#37
 1,2-Dichloropropane
 Concen: 97.696 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

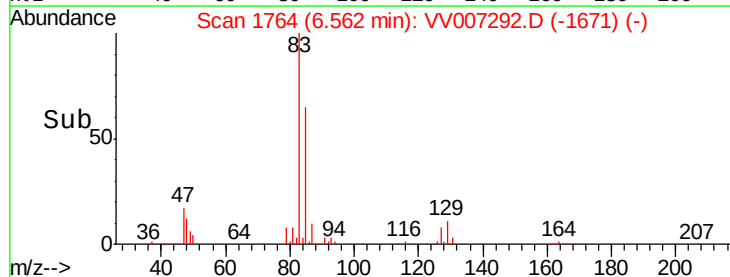
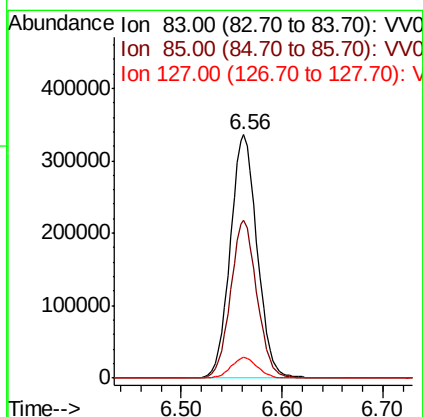
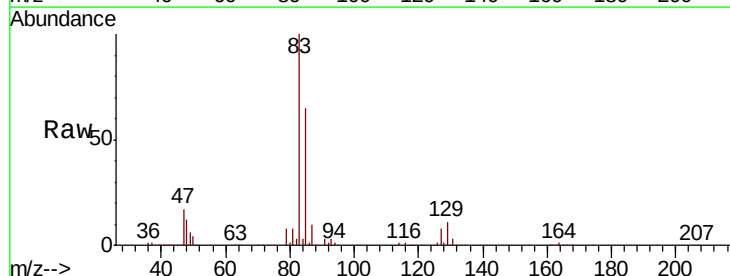
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

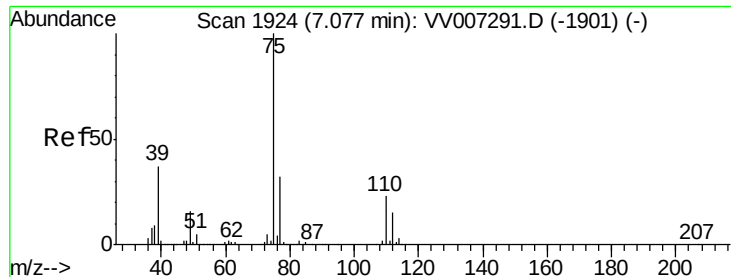
Tgt Ion: 63 Resp: 508595
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 97.413 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion: 83 Resp: 621265
 Ion Ratio Lower Upper
 83 100
 85 64.9 44.4 82.5
 127 8.5 6.8 10.2

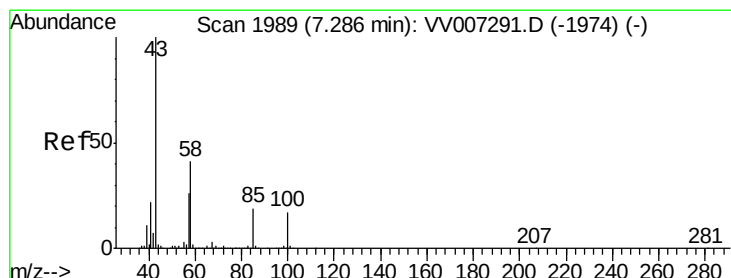
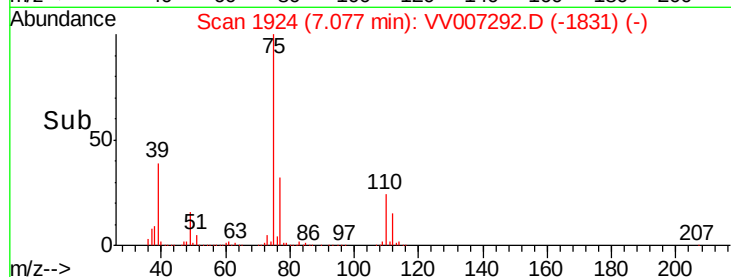
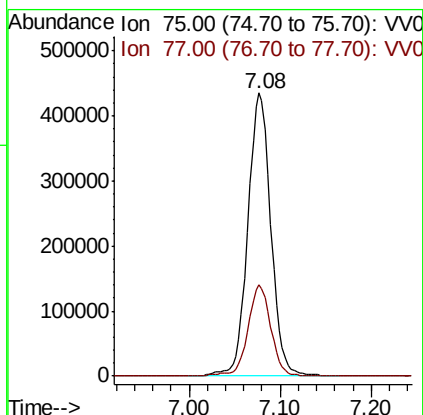
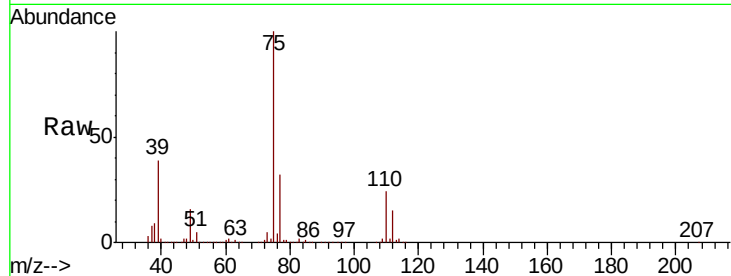




#39
 cis-1,3-Dichloropropene
 Concen: 104.538 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

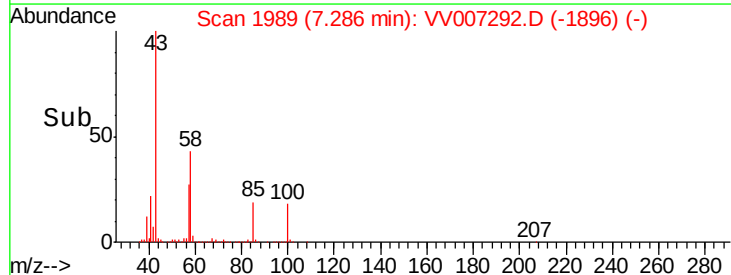
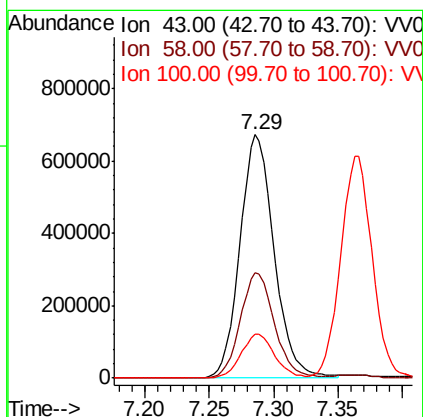
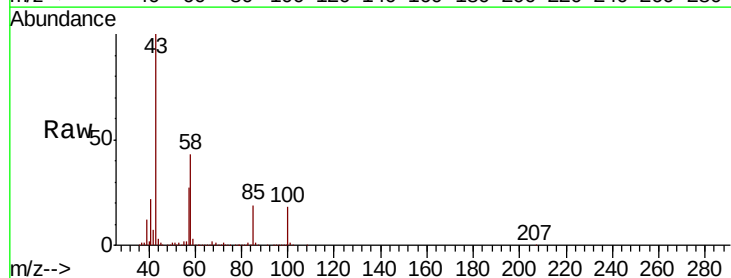
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

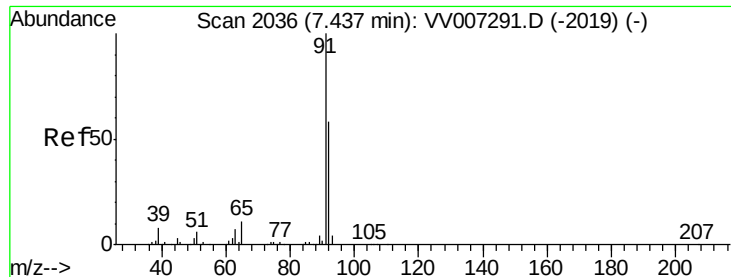
Tgt Ion: 75 Resp: 765610
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 204.034 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion: 43 Resp: 1245019
 Ion Ratio Lower Upper
 43 100
 58 43.1 32.6 49.0
 100 17.7 13.4 20.0





#42

Toluene

Concen: 104.675 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

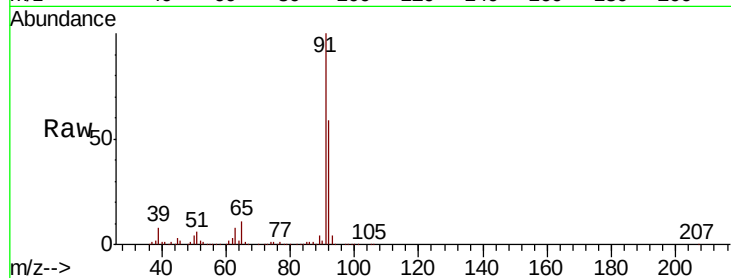
VSTD10074

Tgt Ion: 91 Resp: 1994184

Ion Ratio Lower Upper

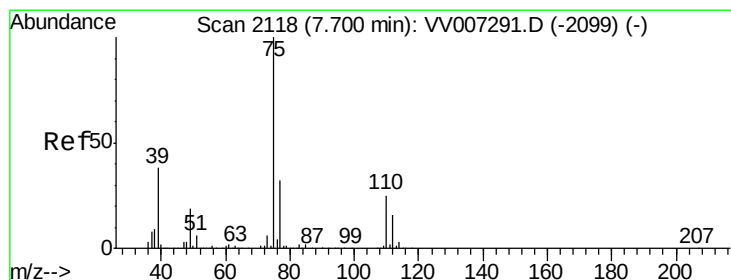
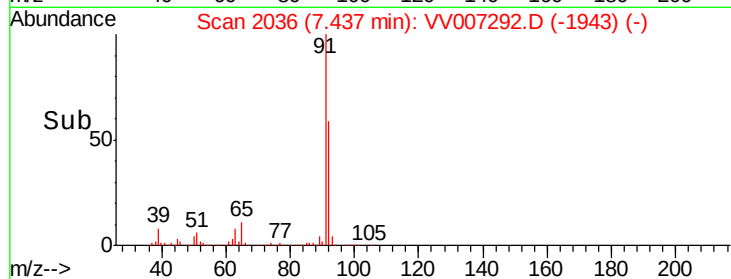
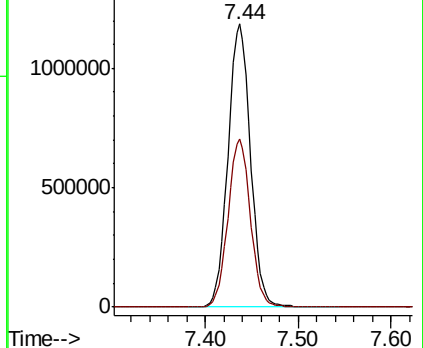
91 100

92 59.3 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV007292.D (-1943) (-)

Ion 92.00 (91.70 to 92.70): VV007292.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 104.758 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007292.D

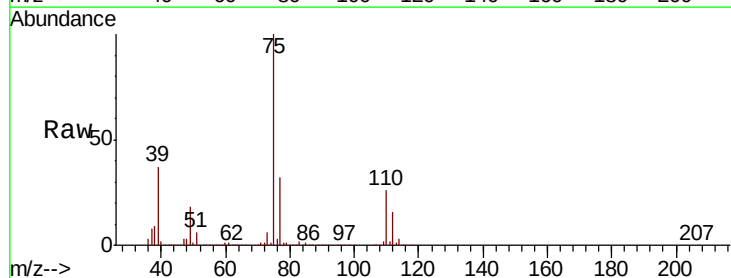
Acq: 31 Aug 2018 10:57

Tgt Ion: 75 Resp: 709708

Ion Ratio Lower Upper

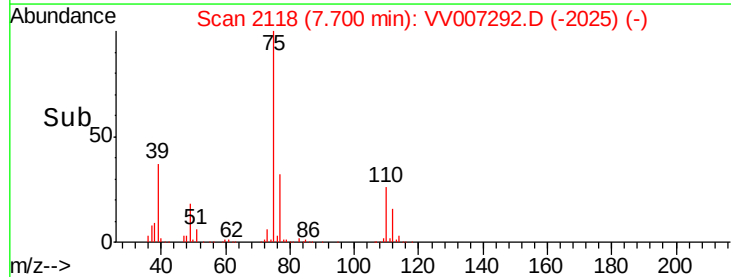
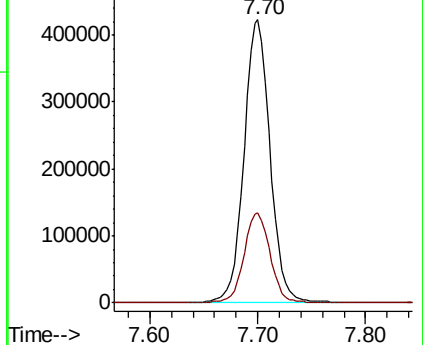
75 100

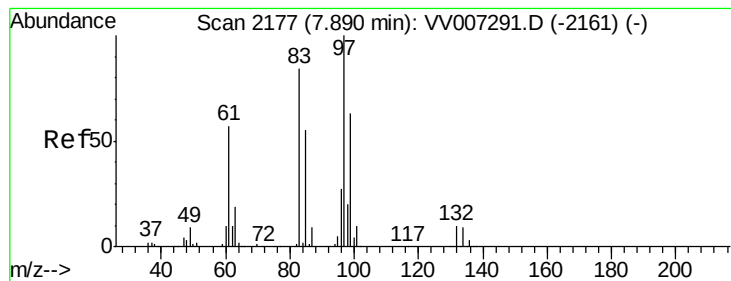
77 31.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV007292.D (-2025) (-)

Ion 77.00 (76.70 to 77.70): VV007292.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 97.468 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

Tgt Ion: 97 Resp: 471129

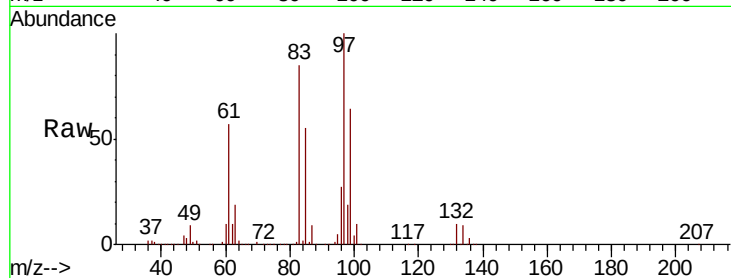
Ion Ratio Lower Upper

97 100

99 63.6 44.0 81.6

83 84.9 59.0 109.6

85 54.9 38.9 72.2



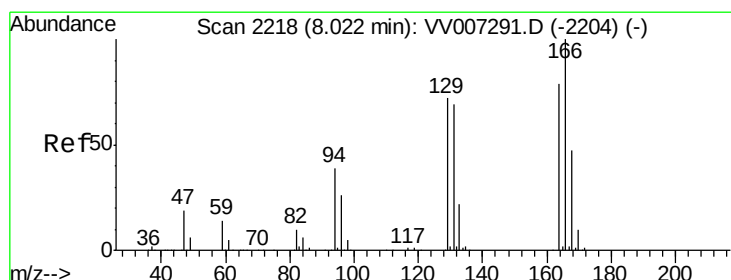
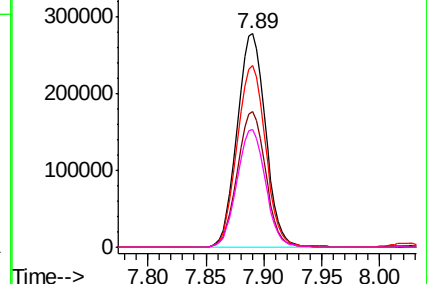
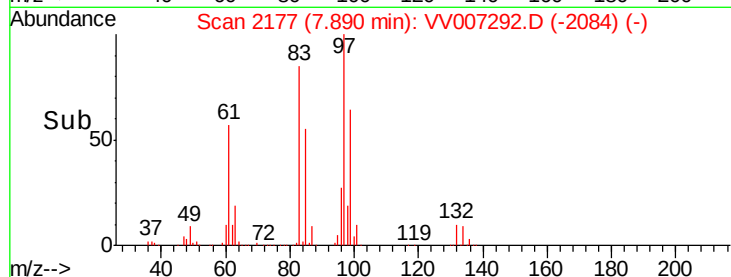
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 98.582 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Tgt Ion: 164 Resp: 388607

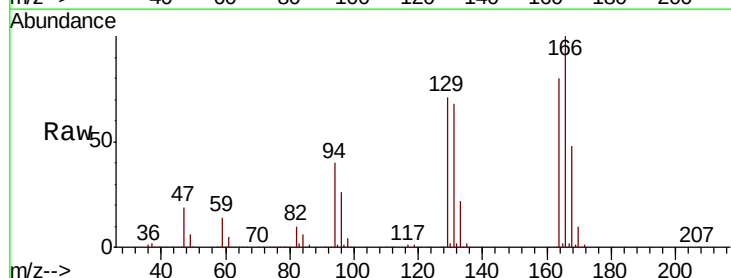
Ion Ratio Lower Upper

164 100

129 88.8 64.5 119.7

131 85.1 61.2 113.8

166 124.9 89.1 165.5



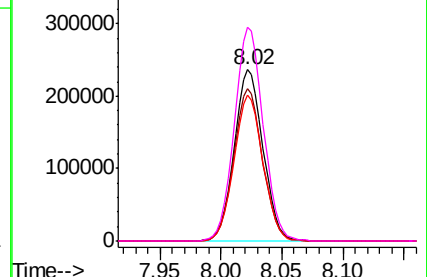
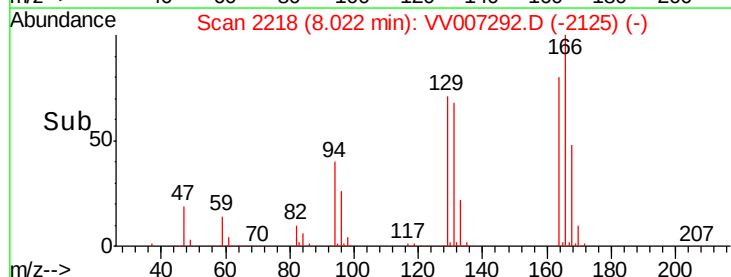
Abundance

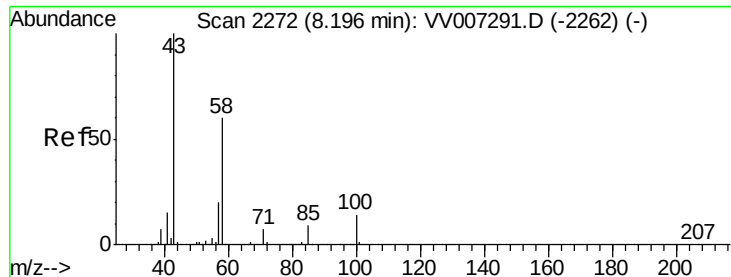
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



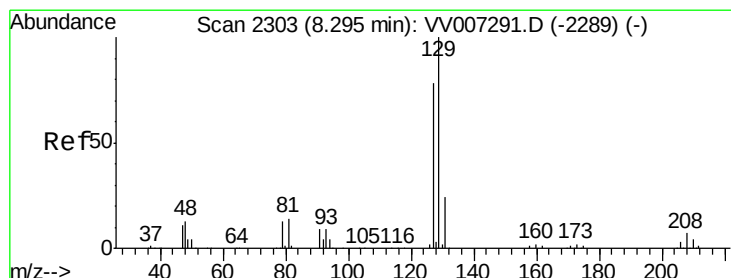
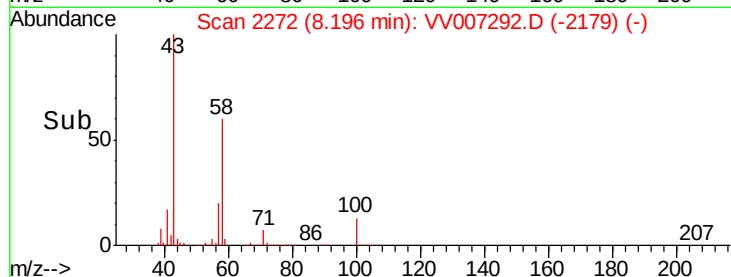
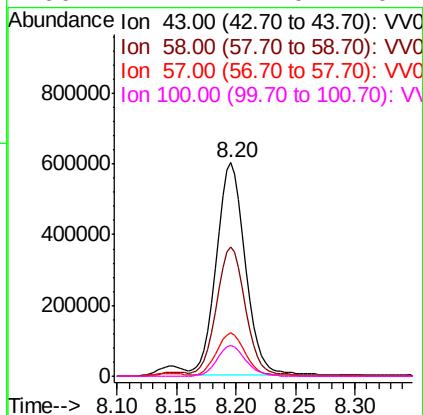
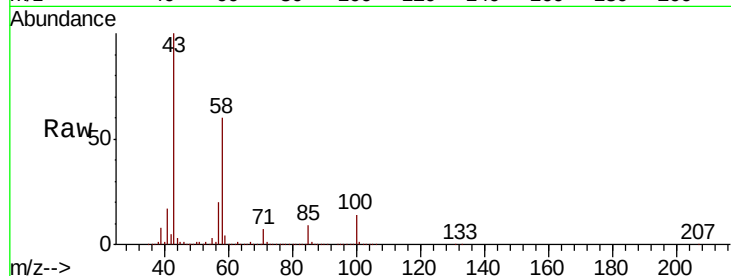


#48
2-Hexanone
Concen: 208.878 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD10074

Tgt Ion: 43 Resp: 1014922

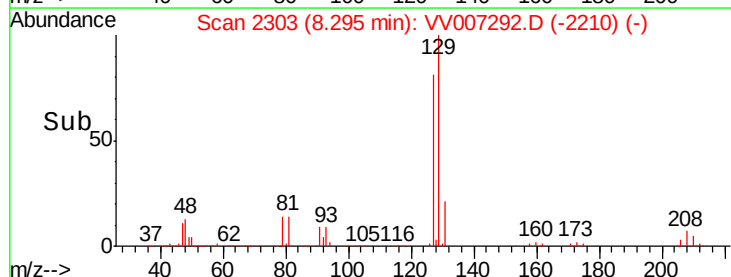
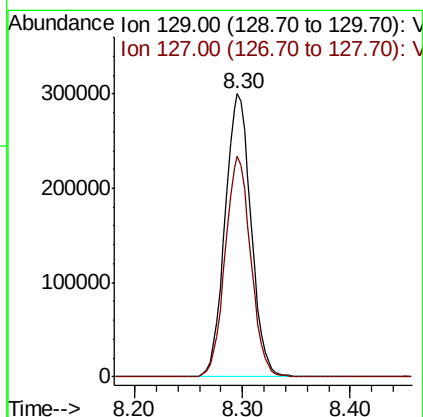
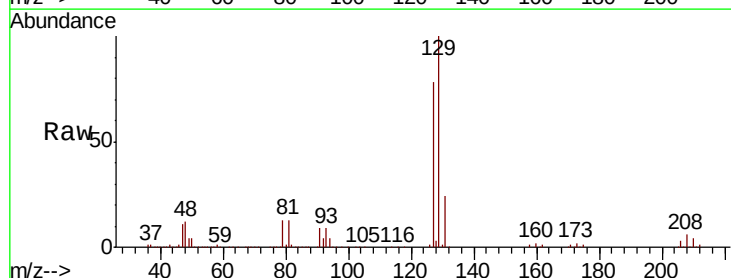
Ion	Ratio	Lower	Upper
43	100		
58	61.3	48.2	72.4
57	20.5	15.9	23.9
100	14.4	11.0	16.4

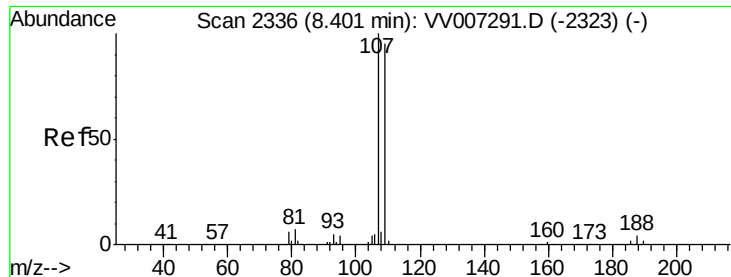


#49
Dibromochloromethane
Concen: 101.455 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007292.D
Acq: 31 Aug 2018 10:57

Tgt Ion: 129 Resp: 504432

Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.4	101.0

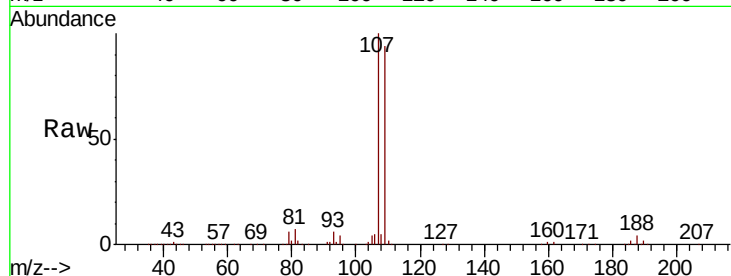




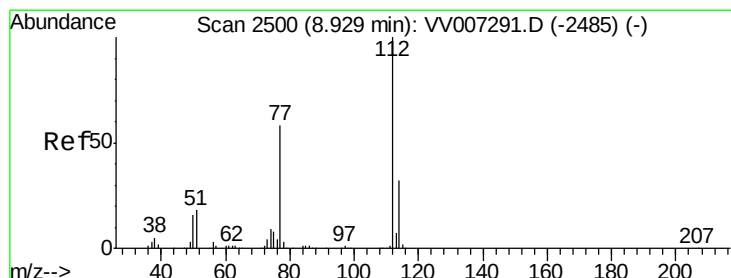
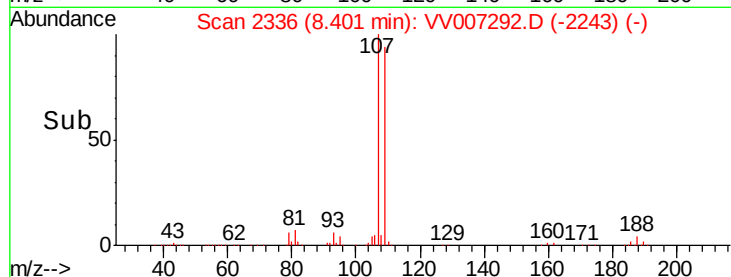
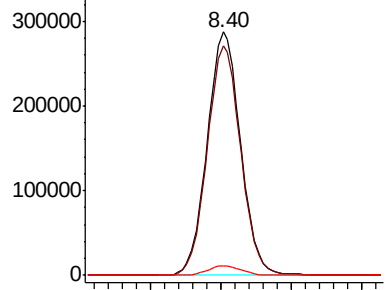
#50
 1,2-Dibromoethane
 Concen: 98.122 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

Tgt Ion:107 Resp: 477119
 Ion Ratio Lower Upper
 107 100
 109 94.3 66.7 123.9
 188 4.0 3.3 4.9

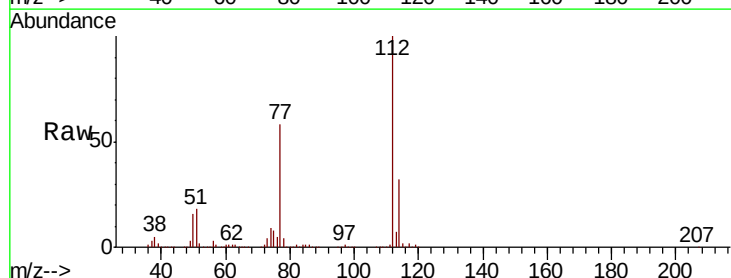


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

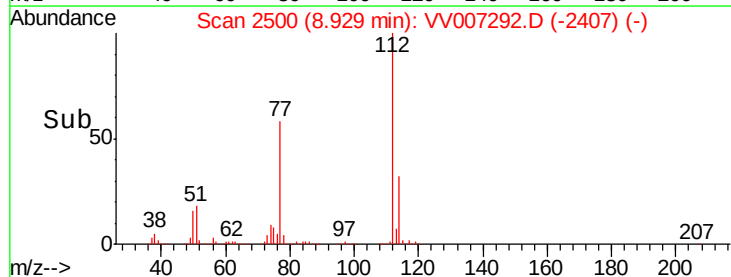
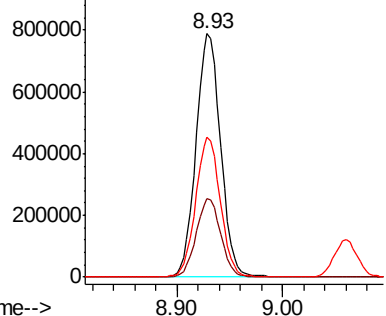


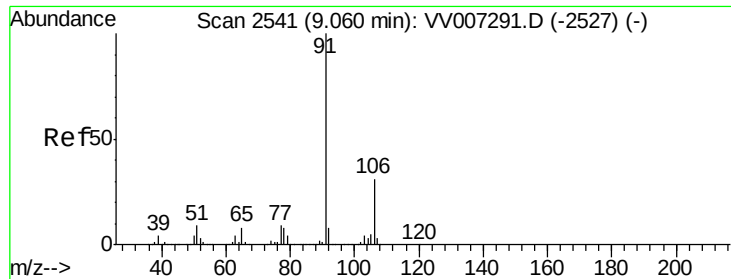
#51
 Chlorobenzene
 Concen: 98.662 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion:112 Resp: 1270789
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.4 41.6
 77 57.6 46.2 69.4



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 107.981 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

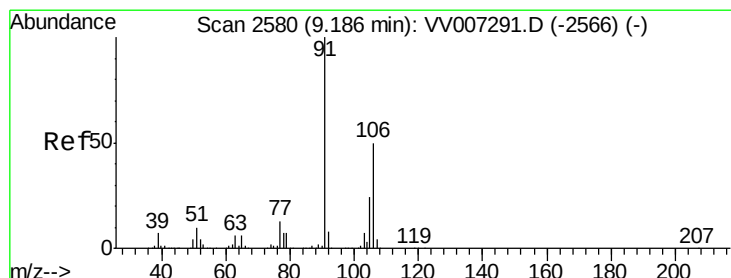
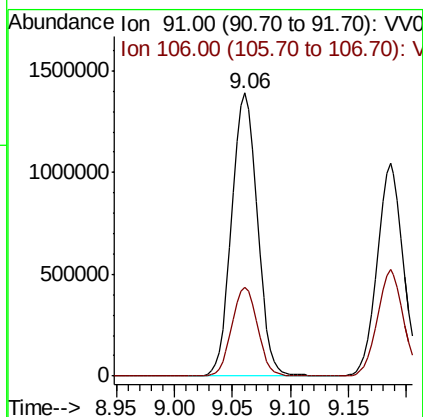
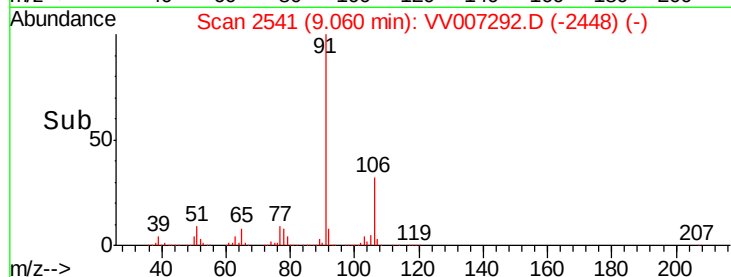
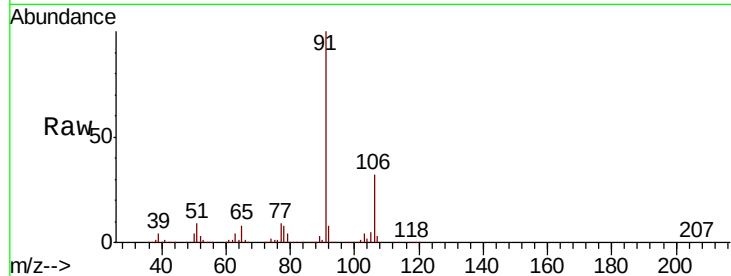
VSTD10074

Tgt Ion: 91 Resp: 2139769

Ion Ratio Lower Upper

91 100

106 31.6 21.7 40.3



#53

m,p-Xylene

Concen: 109.835 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007292.D

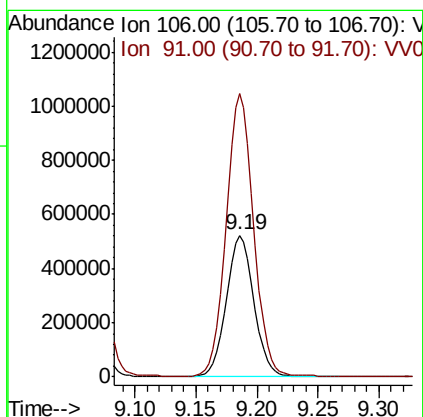
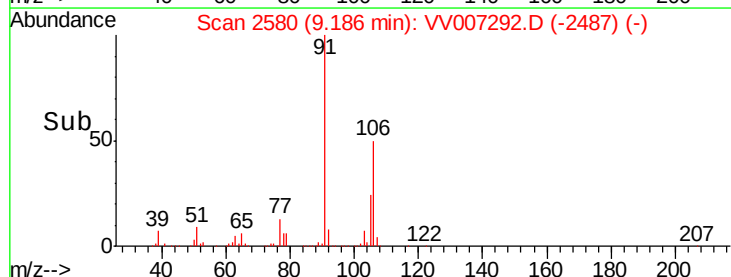
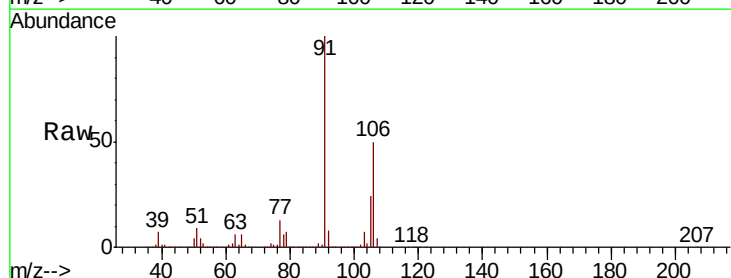
Acq: 31 Aug 2018 10:57

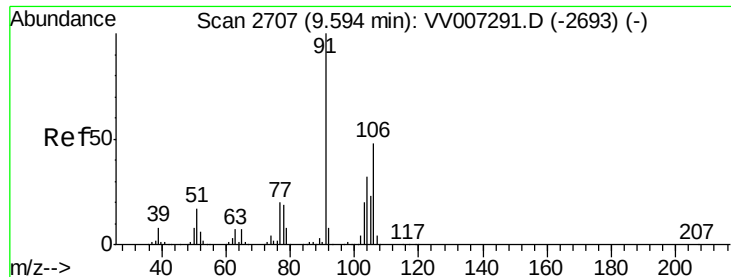
Tgt Ion: 106 Resp: 824898

Ion Ratio Lower Upper

106 100

91 200.1 140.1 260.3





#54

o-xylene

Concen: 110.749 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

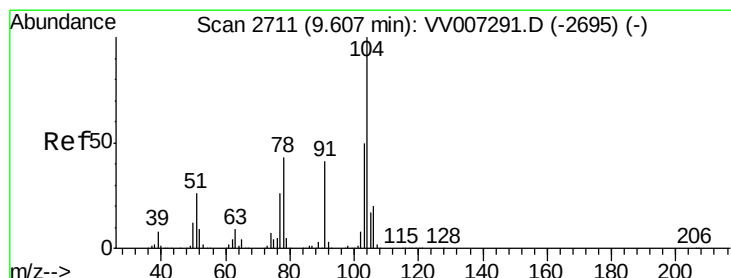
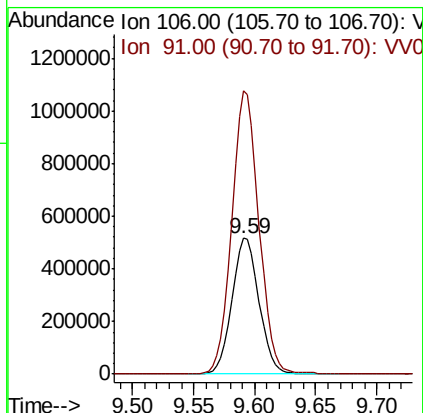
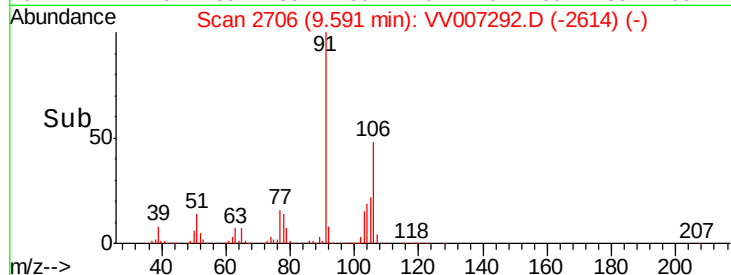
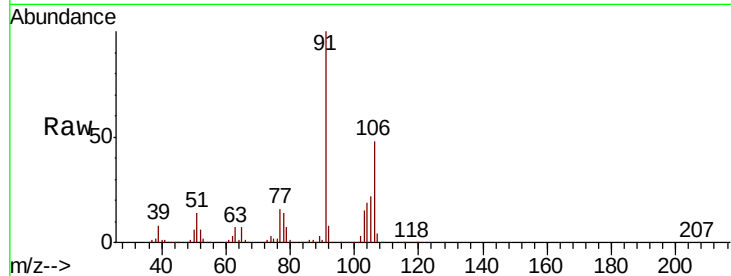
VSTD10074

Tgt Ion:106 Resp: 801217

Ion Ratio Lower Upper

106 100

91 208.3 145.6 270.4



#55

Styrene

Concen: 114.411 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007292.D

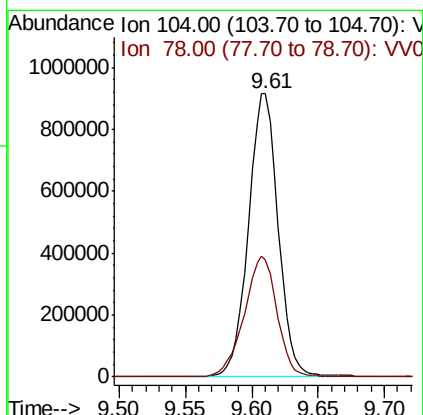
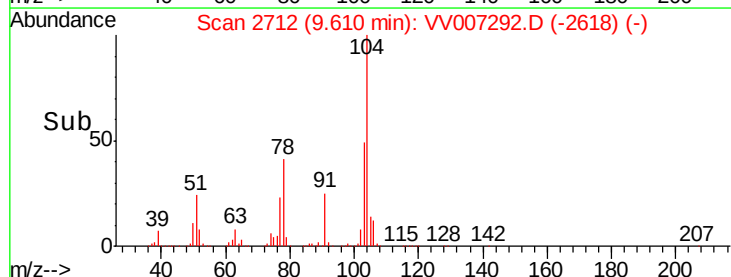
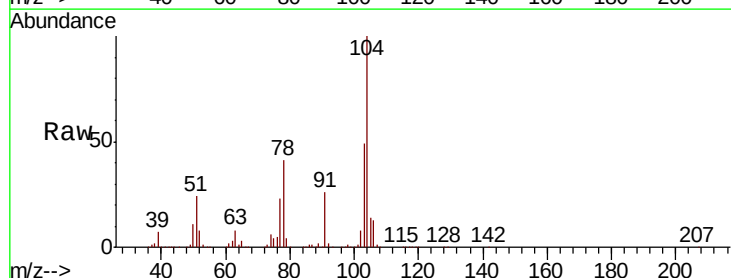
Acq: 31 Aug 2018 10:57

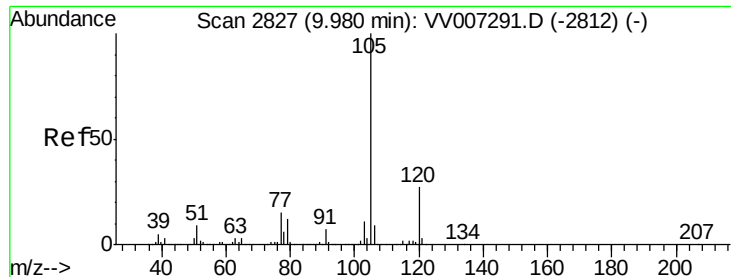
Tgt Ion:104 Resp: 1428396

Ion Ratio Lower Upper

104 100

78 41.5 30.2 56.0





#56

Isopropylbenzene

Concen: 112.105 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

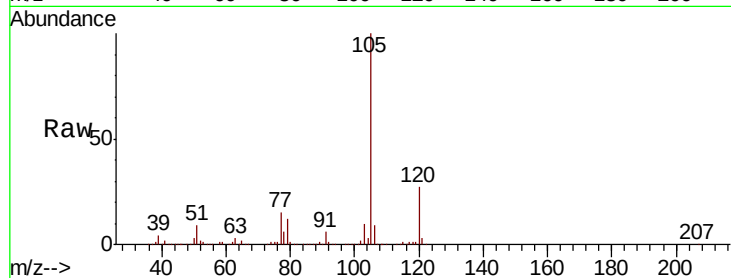
Tgt Ion:105 Resp: 2069942

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

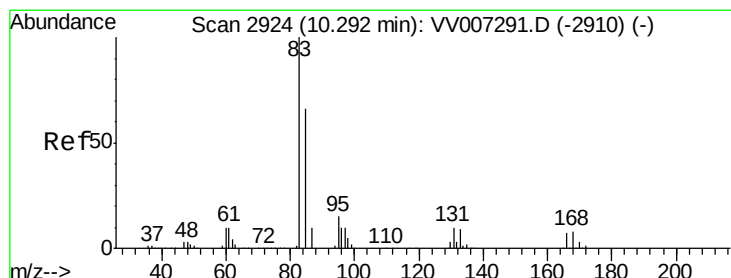
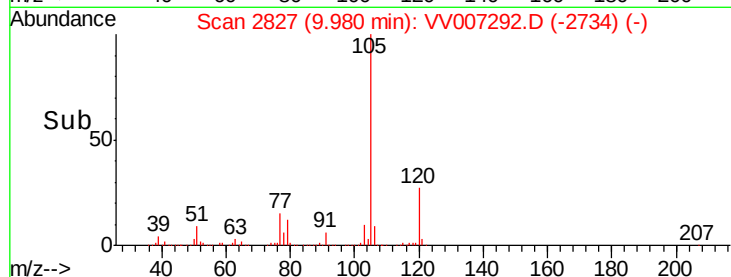
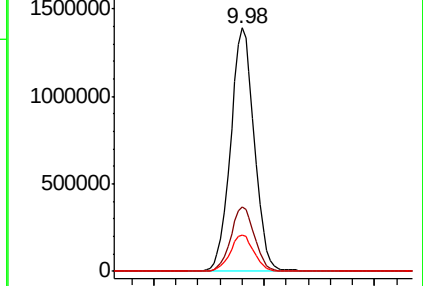
77 14.9 12.1 18.1



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: 96.072 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

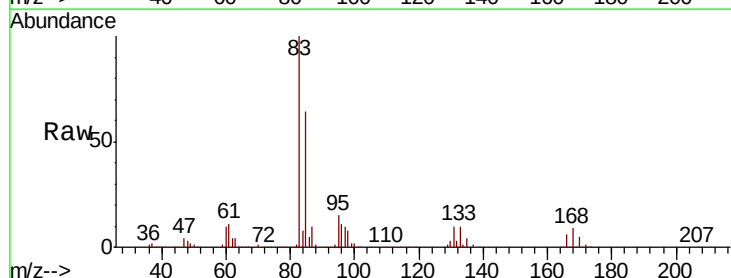
Tgt Ion: 83 Resp: 762702

Ion Ratio Lower Upper

83 100

85 64.2 46.1 85.5

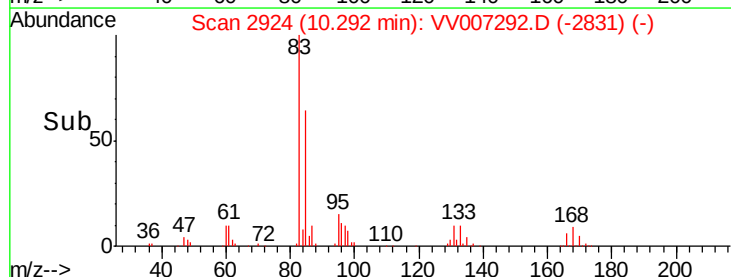
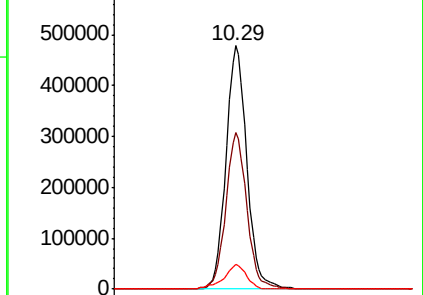
131 9.9 7.9 11.9

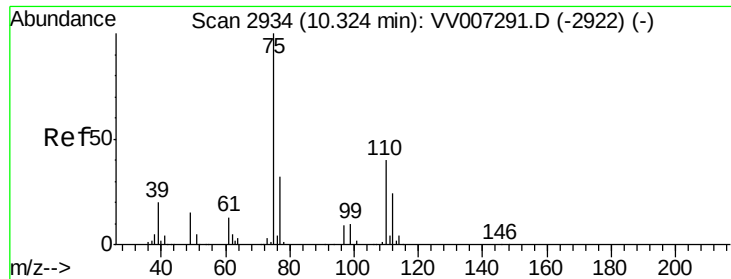


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

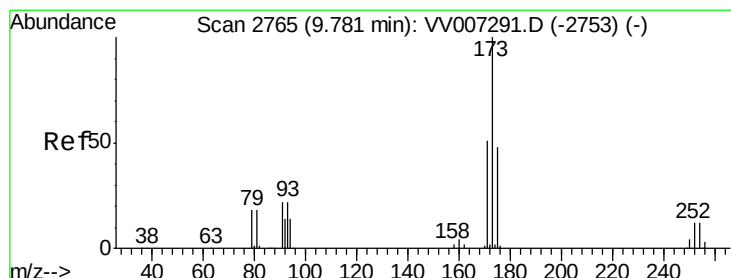
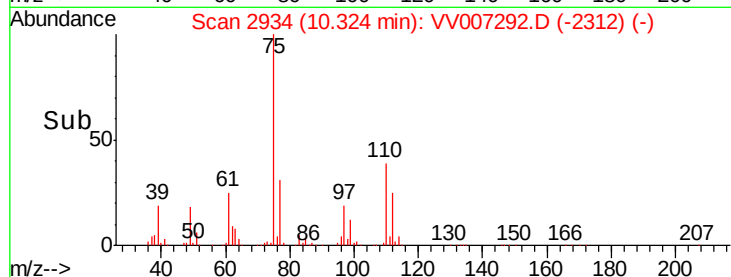
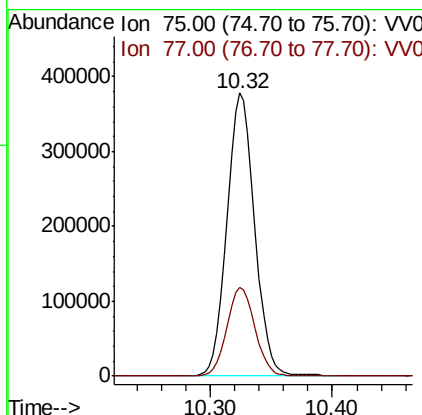
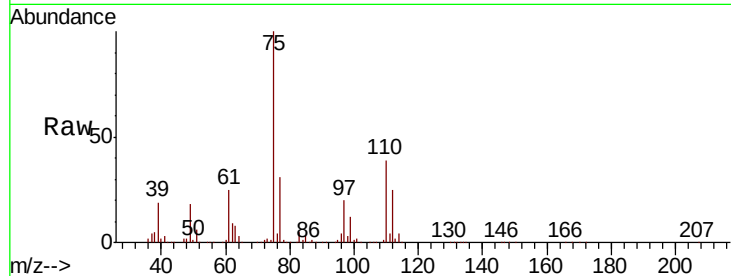




#59
 1,2,3-Trichloropropane
 Concen: 94.991 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

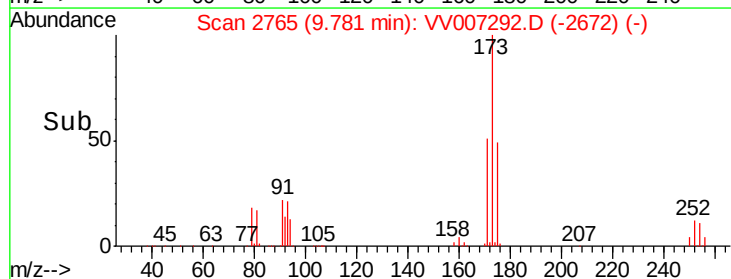
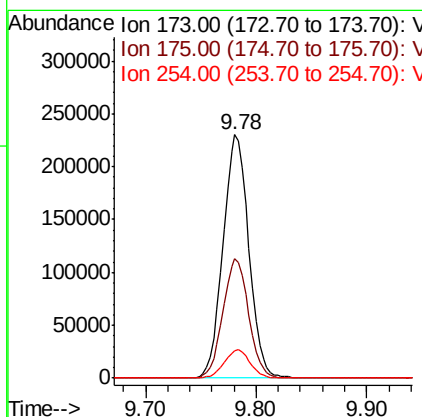
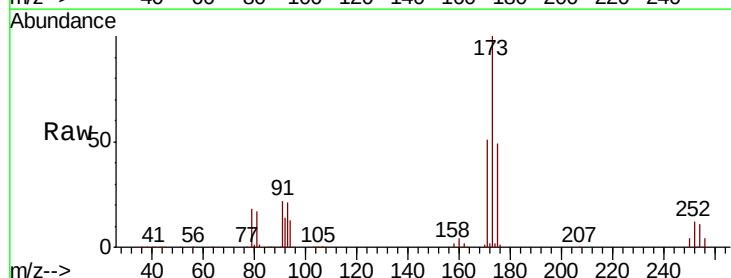
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

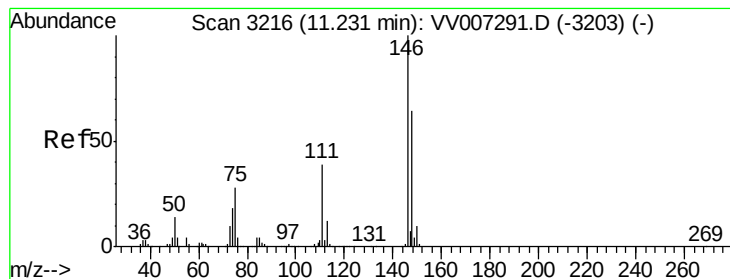
Tgt Ion: 75 Resp: 602306
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.9 38.9



#61
 Bromoform
 Concen: 96.783 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion: 173 Resp: 373311
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.3 57.5
 254 11.6 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 95.501 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

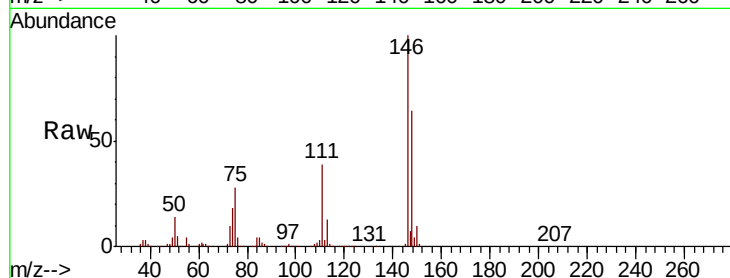
Tgt Ion:146 Resp: 926299

Ion Ratio Lower Upper

146 100

111 39.3 27.2 50.6

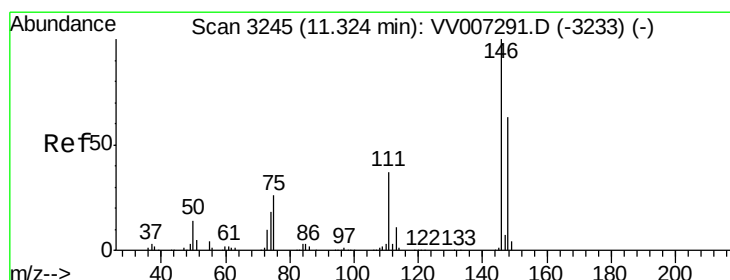
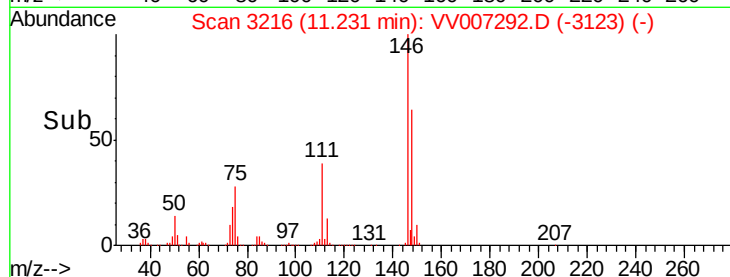
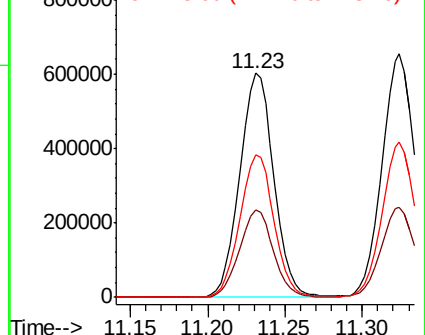
148 63.8 45.1 83.7



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: 94.862 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

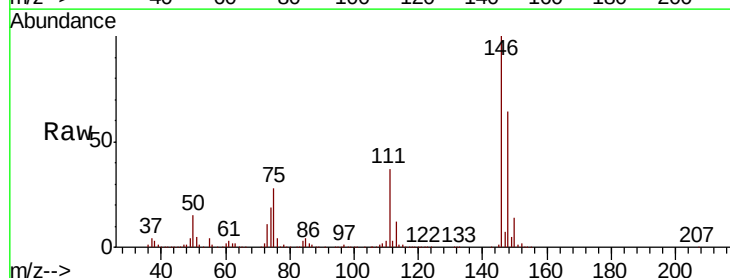
Tgt Ion:146 Resp: 995460

Ion Ratio Lower Upper

146 100

111 37.2 25.8 48.0

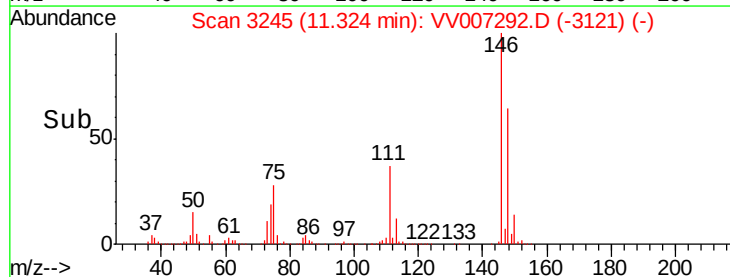
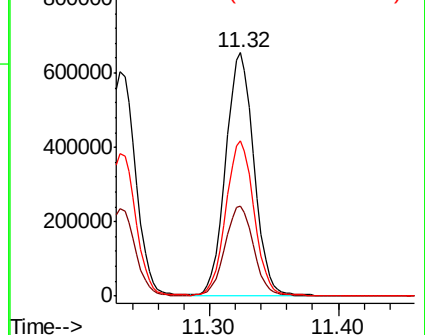
148 63.7 44.2 82.2

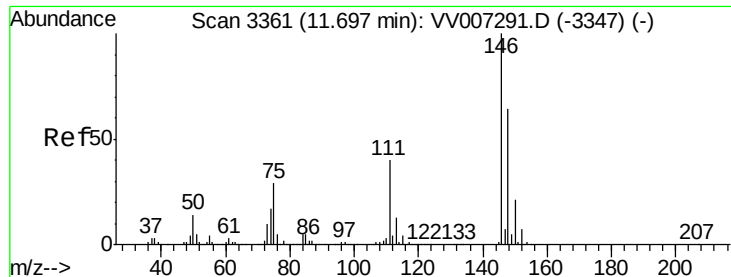


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

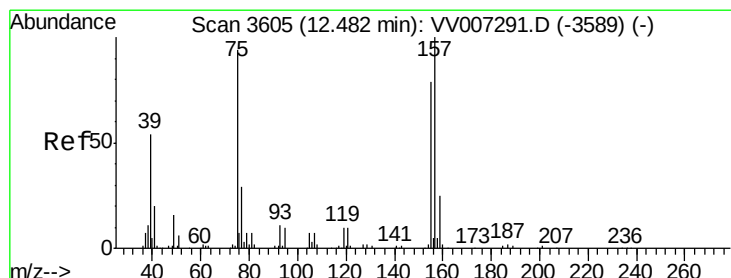
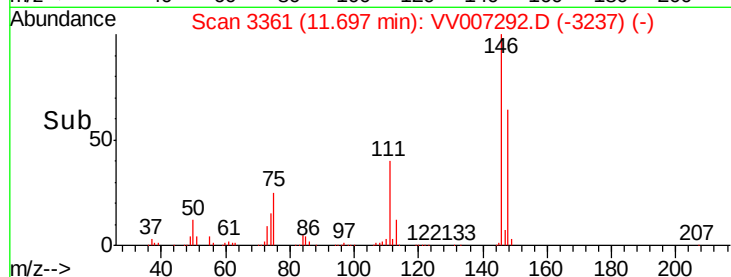
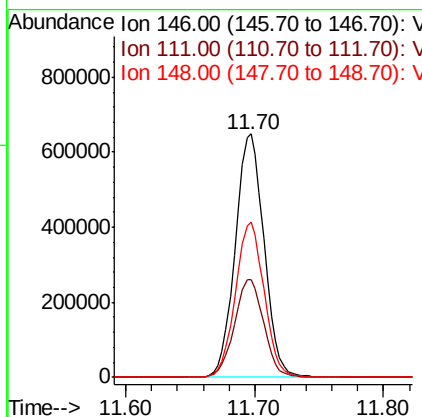
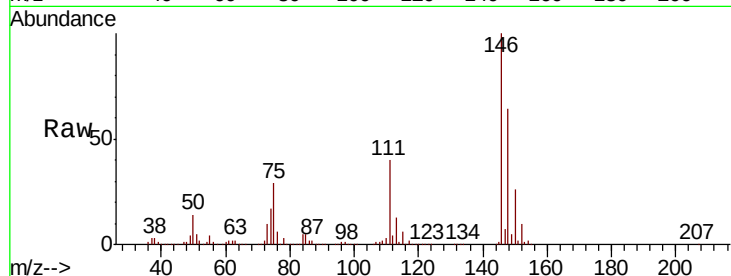




#65
 1,2-Dichlorobenzene
 Concen: 96.153 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

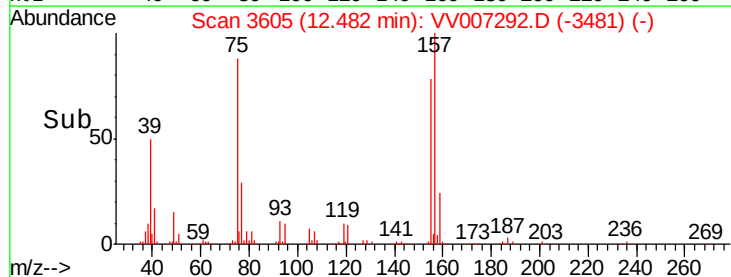
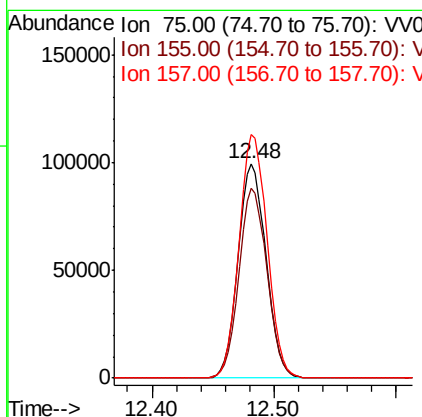
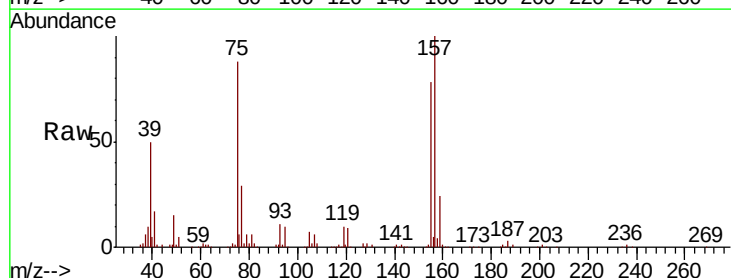
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

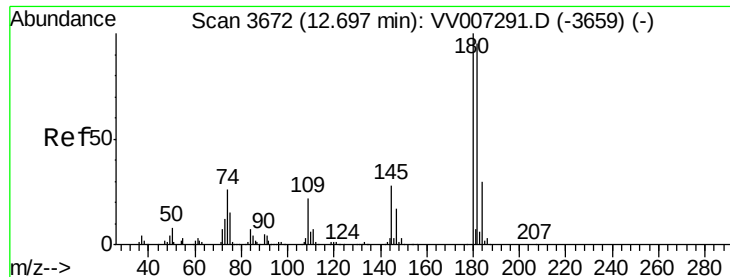
Tgt Ion:146 Resp: 1004185
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.2 48.2
 148 63.7 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 103.399 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion: 75 Resp: 157538
 Ion Ratio Lower Upper
 75 100
 155 88.2 67.1 100.7
 157 113.4 85.4 128.2

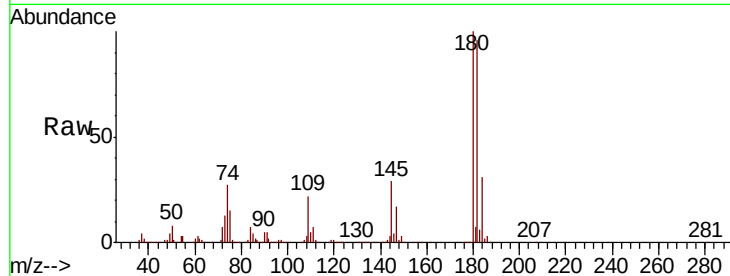




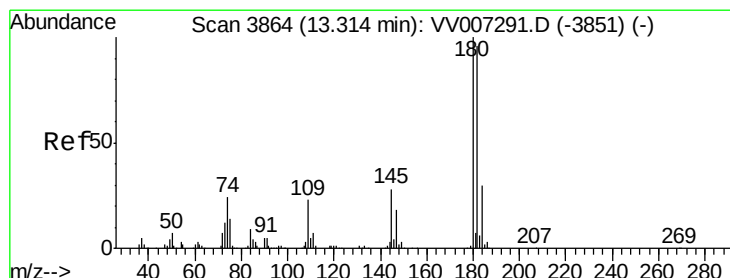
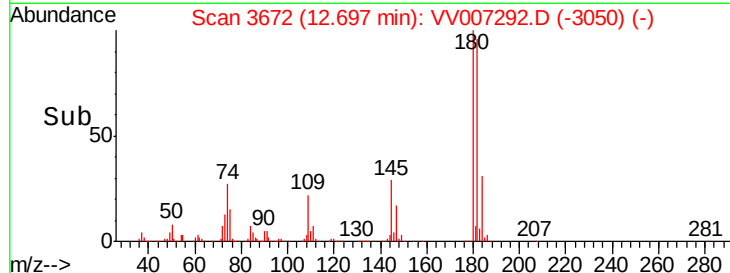
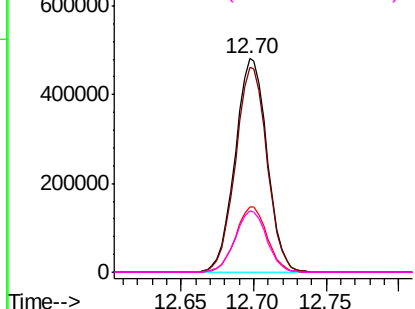
#67
 1,3,5-Trichlorobenzene
 Concen: 102.727 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10074

Tgt Ion:	180	Resp:	734645
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	30.4	24.1	36.1
145	28.3	22.3	33.5

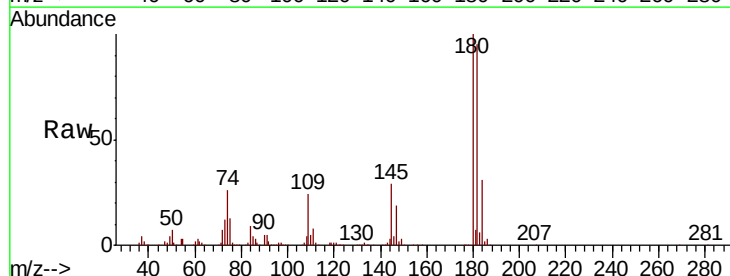


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

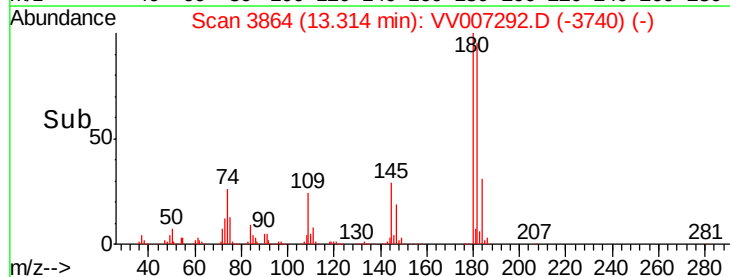
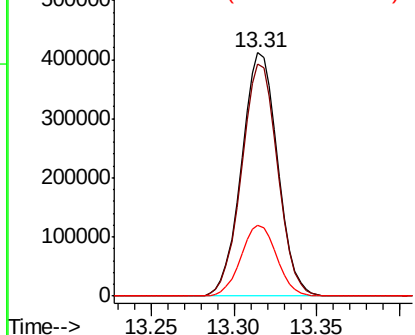


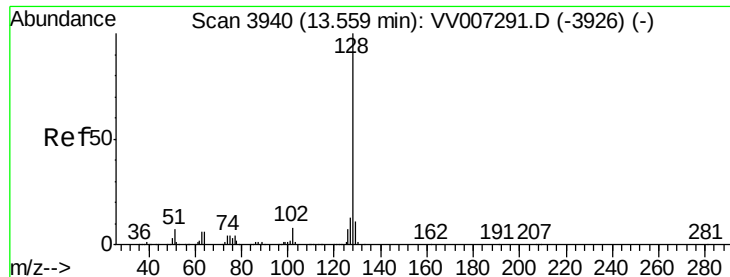
#68
 1,2,4-trichlorobenzene
 Concen: 114.371 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007292.D
 Acq: 31 Aug 2018 10:57

Tgt Ion:	180	Resp:	622368
Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
145	29.1	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: 130.967 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD10074

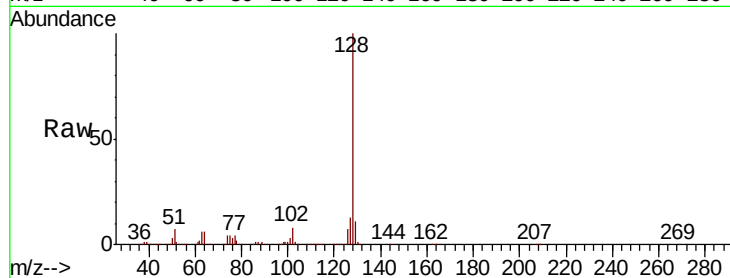
Tgt Ion:128 Resp: 2003305

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

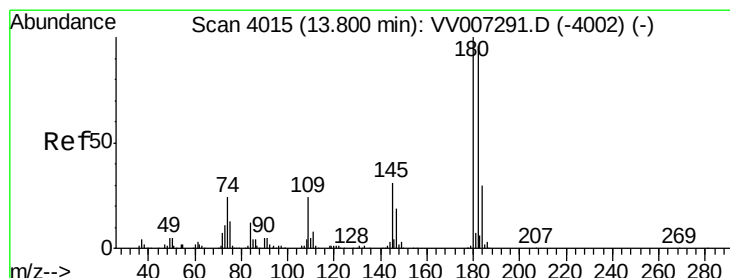
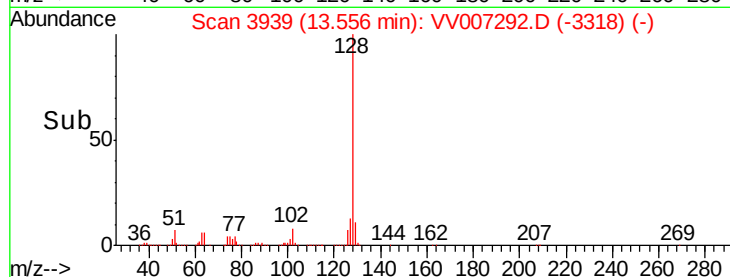
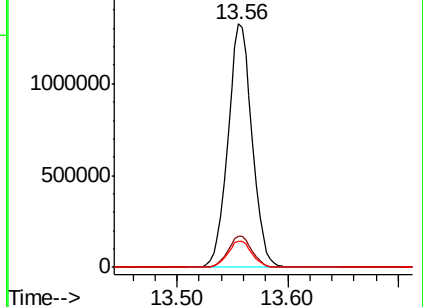
129 10.9 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 116.020 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007292.D

Acq: 31 Aug 2018 10:57

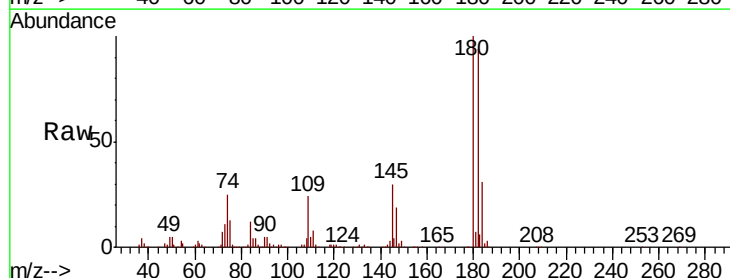
Tgt Ion:180 Resp: 683272

Ion Ratio Lower Upper

180 100

182 95.5 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

