

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007295.D
 Acq On : 31 Aug 2018 12:15
 Operator : SY/MD
 Sample : VSTD00576
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Quant Time: Aug 31 23:40:22 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	616499	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	572523	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	228502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19482	4.65	ug/L	0.00
7) Chloroethane-d5	1.58	69	12515	3.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	36694	4.97	ug/L	0.00
21) 2-Butanone-d5	3.96	46	30939	9.75	ug/L	0.00
24) Chloroform-d	4.41	84	43427	5.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	25923	5.17	ug/L	0.00
32) Benzene-d6	5.10	84	80996	5.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	28122	5.31	ug/L	0.00
41) Toluene-d8	7.36	98	66788	4.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	11676	5.04	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	16856	9.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	36770	5.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	26923	5.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20201	4.125 ug/L	# 69
3) Chloromethane	1.26	50	27554	4.785 ug/L	99
5) Vinyl chloride	1.32	62	24563	4.779 ug/L	97
6) Bromomethane	1.53	94	12820	7.109 ug/L	98
8) Chloroethane	1.59	64	12896	4.446 ug/L	99
9) Trichlorofluoromethane	1.77	101	31882	4.894 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	21155	5.318 ug/L	97
12) 1,1-Dichloroethene	2.14	96	19256	5.075 ug/L	# 80
13) Acetone	2.21	43	25897	10.630 ug/L	100
14) Carbon disulfide	2.32	76	61178	5.284 ug/L	99
15) Methyl Acetate	2.47	43	22485	5.323 ug/L	100
16) Methylene chloride	2.54	84	23522	5.456 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	20777	5.067 ug/L	98
18) Methyl tert-butyl Ether	2.82	73	62112	5.053 ug/L	99
19) 1,1-Dichloroethane	3.23	63	42199	5.068 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	22784	4.786 ug/L	94
22) 2-Butanone	4.05	43	33464	9.020 ug/L	99
23) Bromochloromethane	4.31	128	12736	5.224 ug/L	89
25) Chloroform	4.44	83	40519	4.965 ug/L	98
27) 1,2-Dichloroethane	5.19	62	29844	4.941 ug/L	96
29) Cyclohexane	4.73	56	27921	4.318 ug/L	97
30) 1,1,1-Trichloroethane	4.67	97	33465	5.098 ug/L	99
31) Carbon tetrachloride	4.88	117	28650	5.084 ug/L	100
33) Benzene	5.15	78	83735	4.724 ug/L	100
34) Trichloroethene	5.97	95	21774	5.048 ug/L	94
35) Methylcyclohexane	6.18	83	29044	4.235 ug/L	98
37) 1,2-Dichloropropane	6.23	63	24008	5.106 ug/L	97
38) Bromodichloromethane	6.56	83	29618	5.142 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	30045	4.542 ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	46066	8.359 ug/L	99

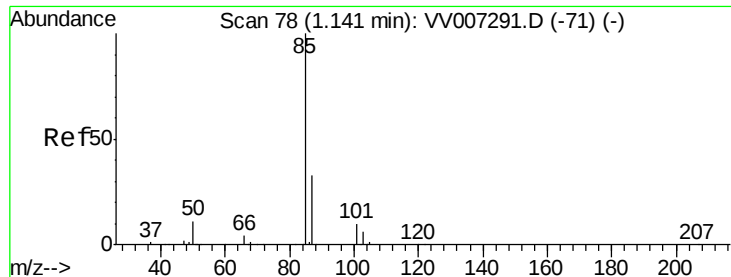
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	77405	4.499	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	27559	4.504	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	22155	5.075	ug/L	97
46) Tetrachloroethene	8.02	164	17678	4.965	ug/L	95
48) 2-Hexanone	8.20	43	36014	8.206	ug/L	96
49) Dibromochloromethane	8.30	129	22500	5.010	ug/L	97
50) 1,2-Dibromoethane	8.40	107	21285	4.847	ug/L	97
51) Chlorobenzene	8.93	112	56846	4.887	ug/L	96
52) Ethylbenzene	9.06	91	76821	4.292	ug/L	99
53) m,p-Xylene	9.19	106	27126	3.999	ug/L	97
54) o-xylene	9.59	106	26175	4.006	ug/L	100
55) Styrene	9.61	104	42329	3.754	ug/L	97
56) Isopropylbenzene	9.98	105	63842	3.828	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	34730	4.844	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	27059	4.725	ug/L	98
61) Bromoform	9.78	173	15058	5.474	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	35584	5.144	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	37507	5.012	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	38466	5.164	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	6670	6.138	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	26453	5.187	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	19538	5.034	ug/L	99
69) Naphthalene	13.56	128	43312	3.970	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	20657	4.918	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.125 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

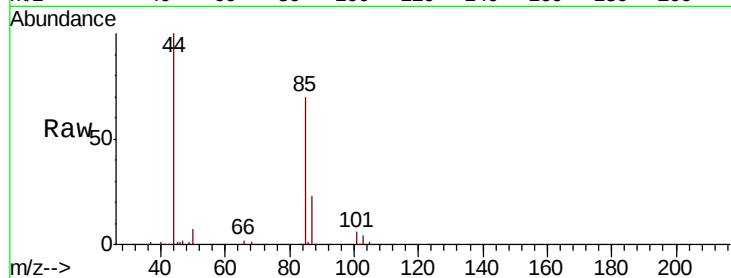
VSTD00576

Tgt Ion: 85 Resp: 20201

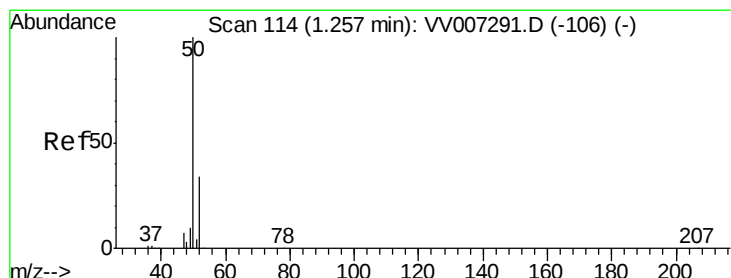
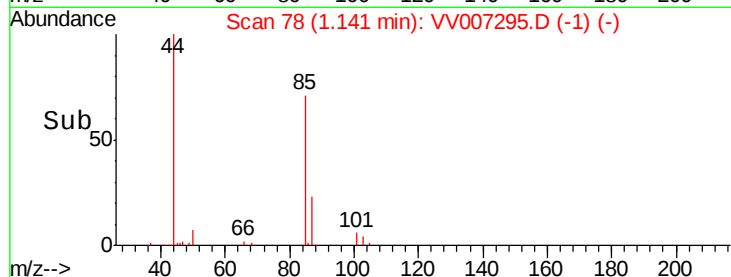
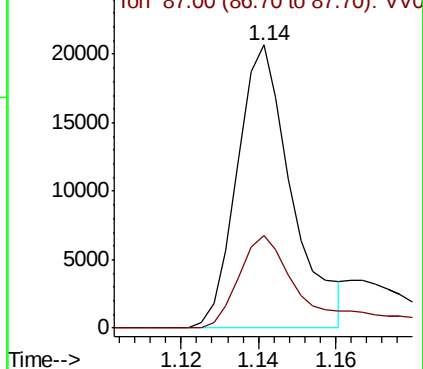
Ion Ratio Lower Upper

85 100

87 41.1 20.3 30.5#



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



#3

Chloromethane

Concen: 4.785 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007295.D

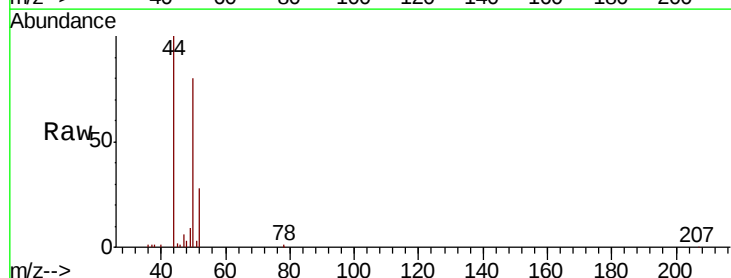
Acq: 31 Aug 2018 12:15

Tgt Ion: 50 Resp: 27554

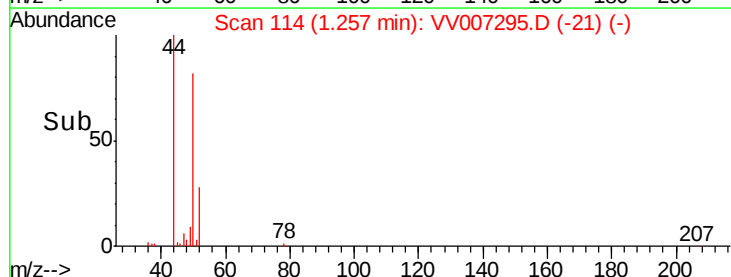
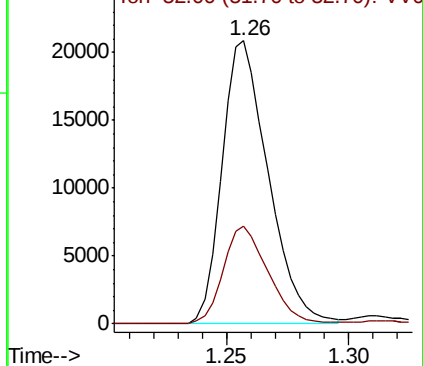
Ion Ratio Lower Upper

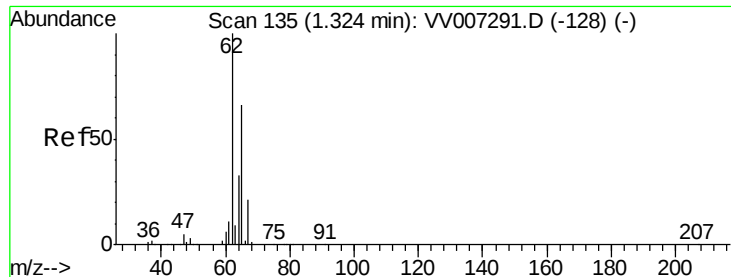
50 100

52 34.5 23.6 43.8



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





#5

Vinyl chloride

Concen: 4.779 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

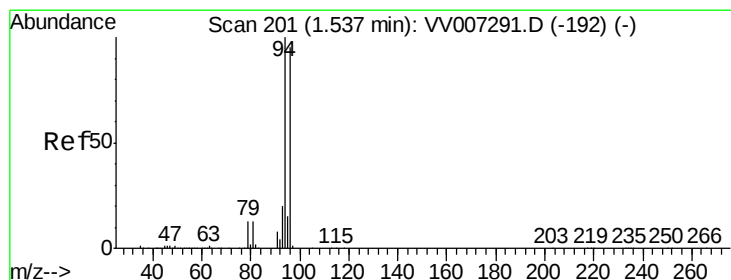
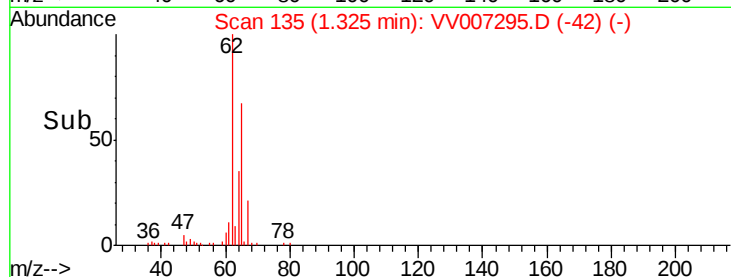
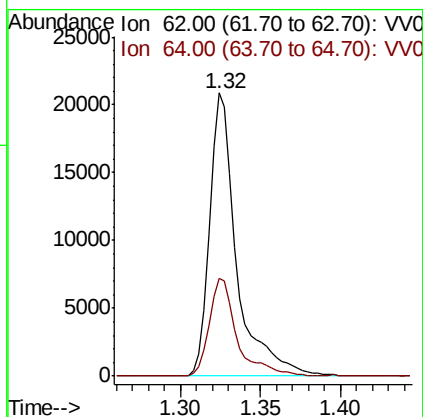
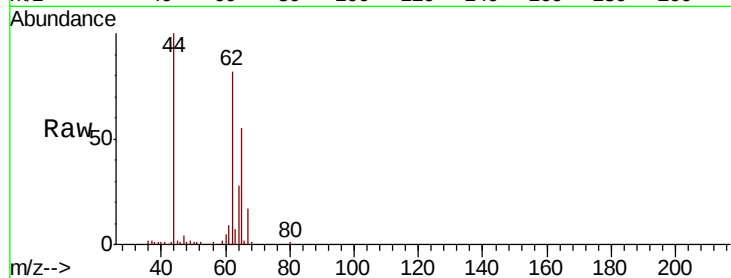
VSTD00576

Tgt Ion: 62 Resp: 24563

Ion Ratio Lower Upper

62 100

64 34.7 23.2 43.0



#6

Bromomethane

Concen: 7.109 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007295.D

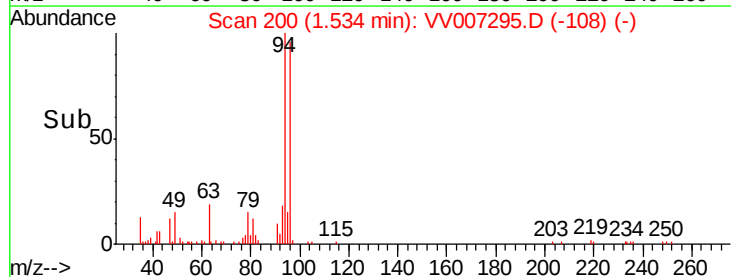
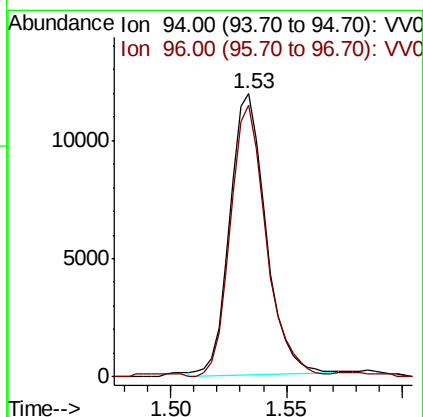
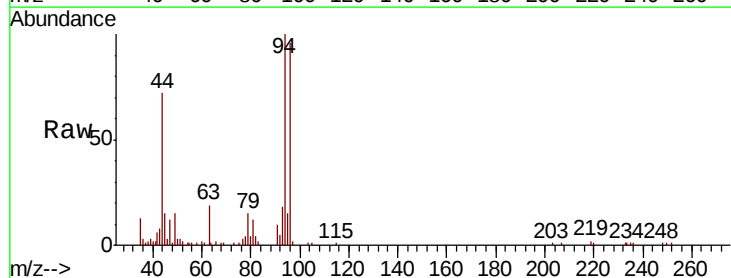
Acq: 31 Aug 2018 12:15

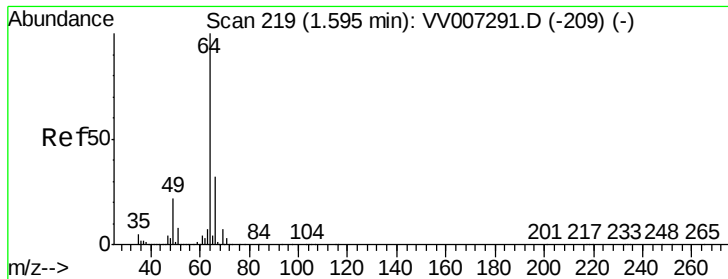
Tgt Ion: 94 Resp: 12820

Ion Ratio Lower Upper

94 100

96 96.1 66.1 122.7

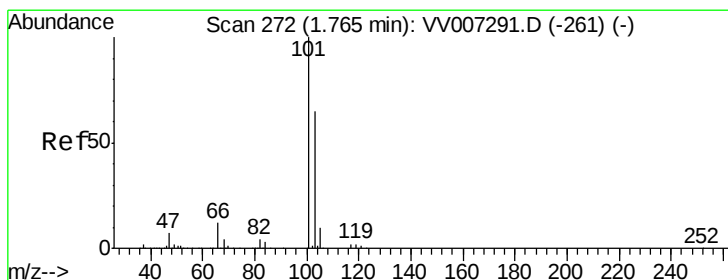
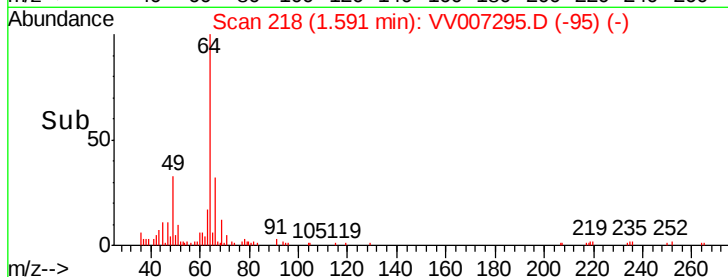
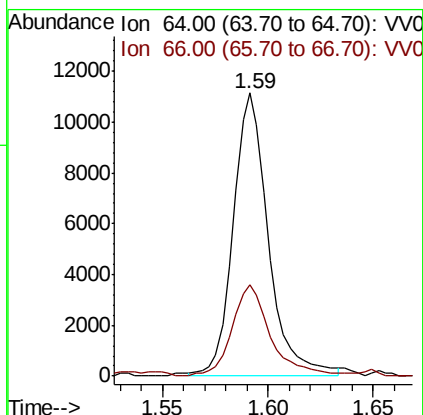
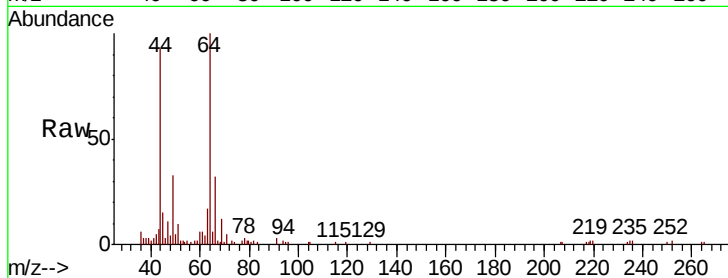




#8
Chloroethane
Concen: 4.446 ug/L
RT: 1.59 min Scan# 218
Delta R.T. -0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

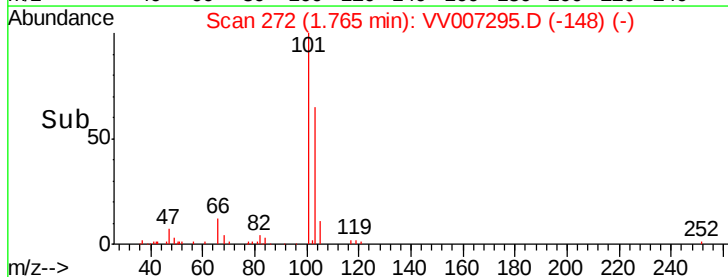
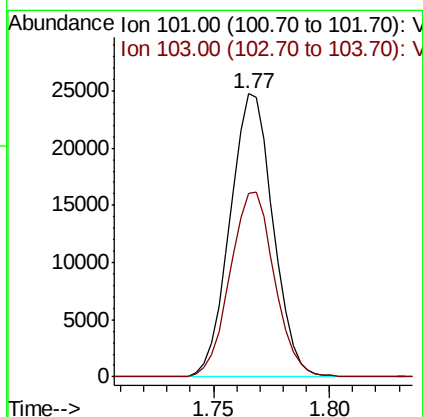
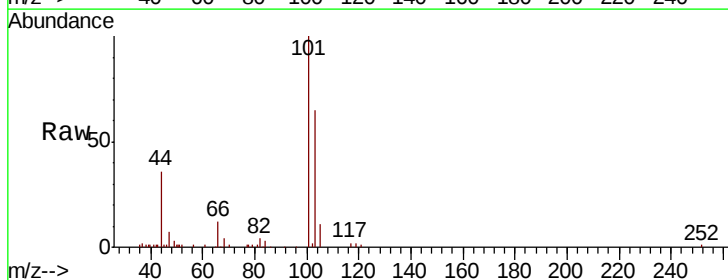
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

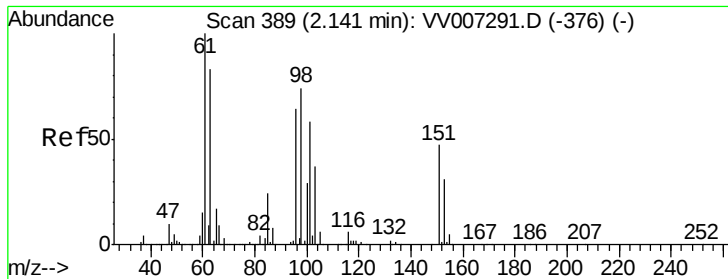
Tgt Ion: 64 Resp: 12896
Ion Ratio Lower Upper
64 100
66 32.4 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.894 ug/L
RT: 1.77 min Scan# 272
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

Tgt Ion: 101 Resp: 31882
Ion Ratio Lower Upper
101 100
103 67.0 52.3 78.5





#10

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

Concen: 5.318 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

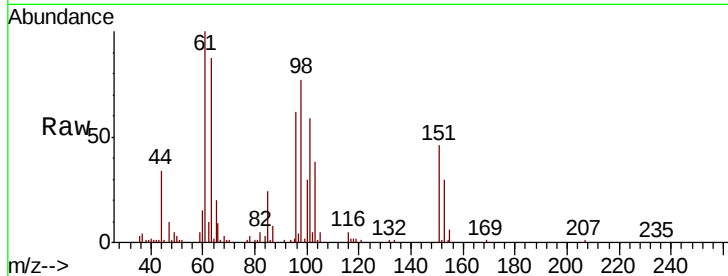
Tgt Ion:101 Resp: 21155

Ion Ratio Lower Upper

101 100

85 39.5 32.8 49.2

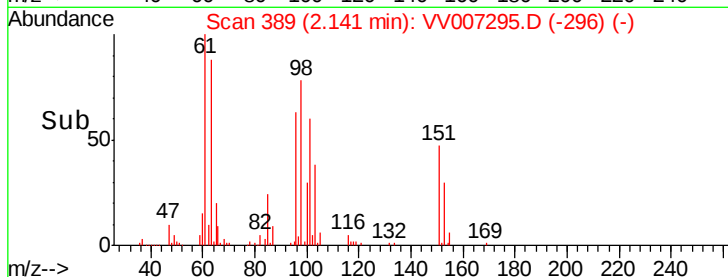
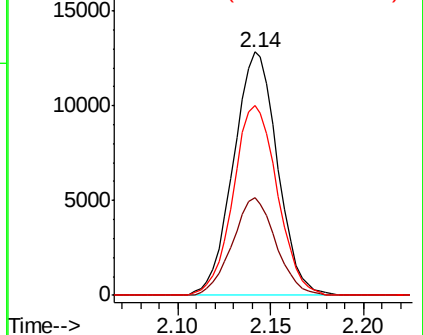
151 78.1 64.8 97.2



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: 5.075 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

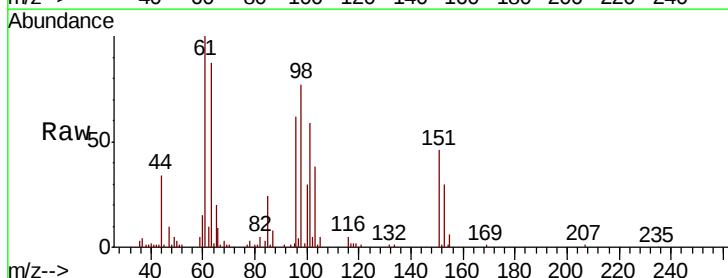
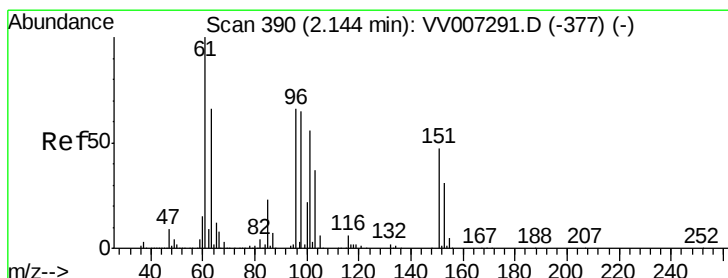
Tgt Ion: 96 Resp: 19256

Ion Ratio Lower Upper

96 100

61 161.0 106.3 197.5

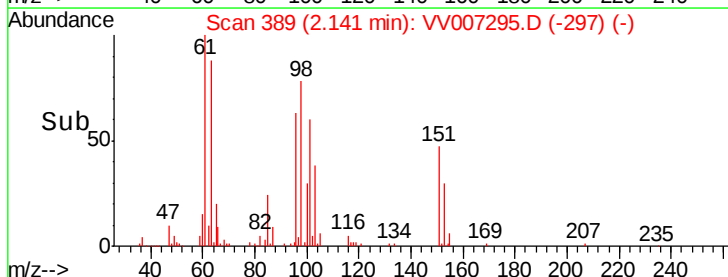
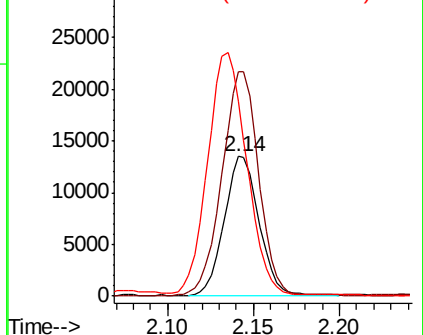
63 139.8 71.0 131.8#

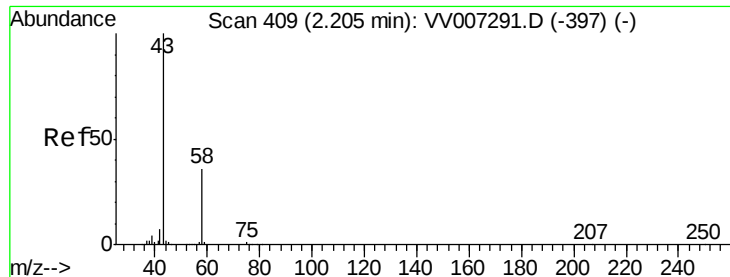


Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-377) (-)

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: 10.630 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

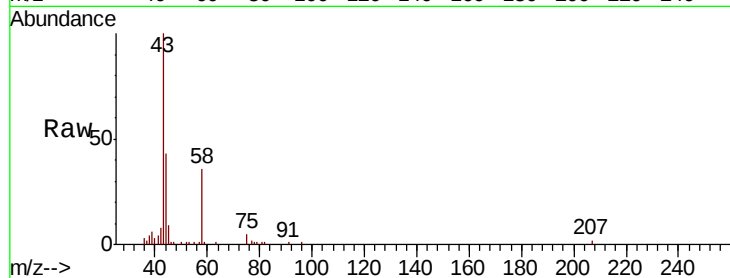
VSTD00576

Tgt Ion: 43 Resp: 25897

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

15000

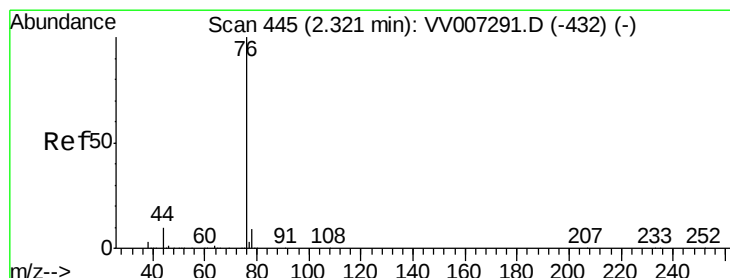
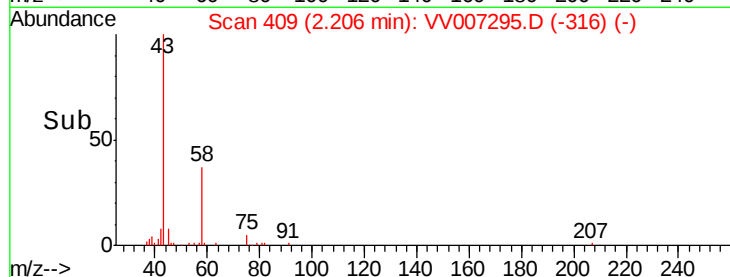
10000

5000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 5.284 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007295.D

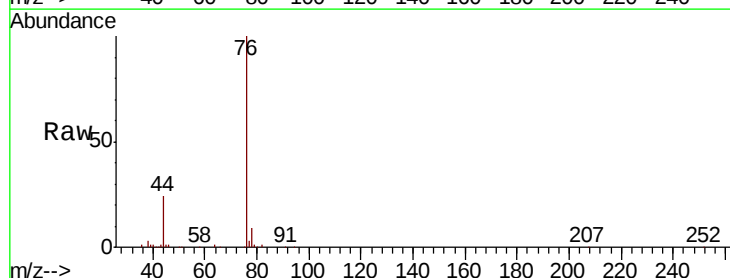
Acq: 31 Aug 2018 12:15

Tgt Ion: 76 Resp: 61178

Ion Ratio Lower Upper

76 100

78 9.5 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

50000

40000

30000

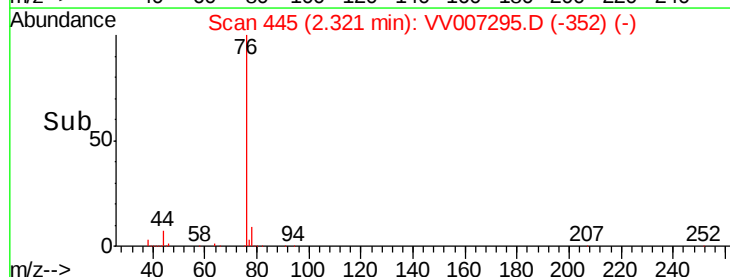
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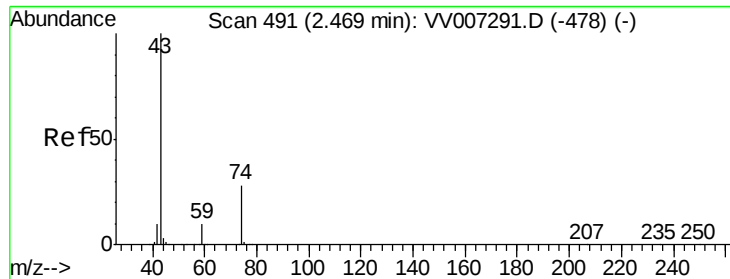
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0

2.25 2.30 2.35 2.40

Time-->

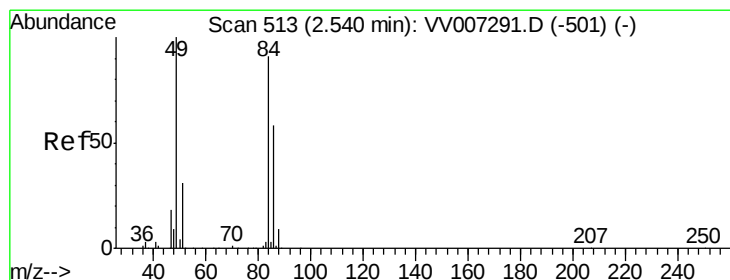
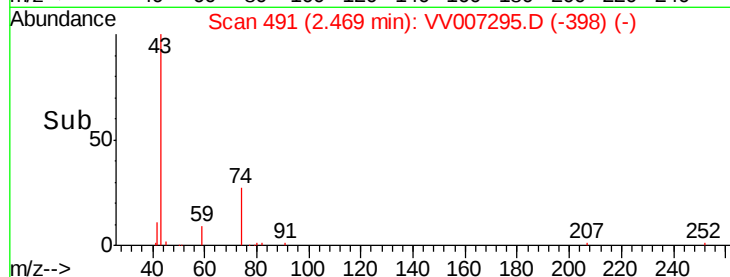
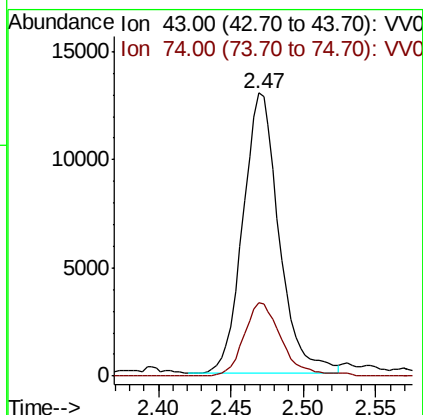
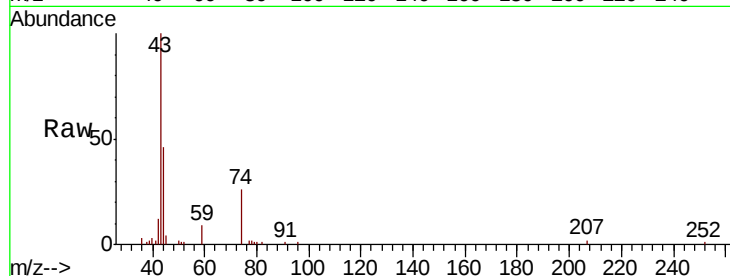




#15
Methyl Acetate
Concen: 5.323 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

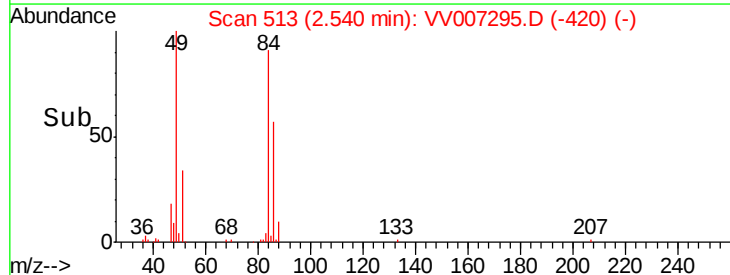
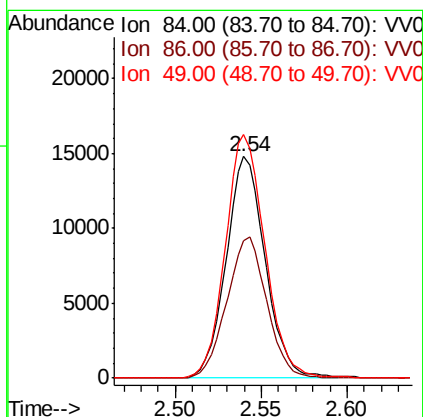
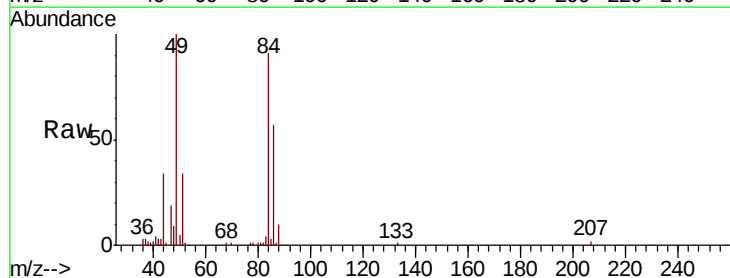
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

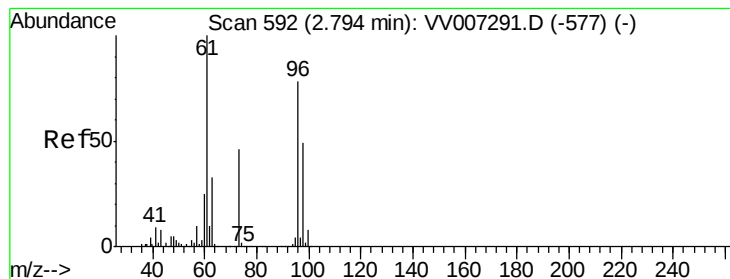
Tgt Ion: 43 Resp: 22485
Ion Ratio Lower Upper
43 100
74 26.8 21.4 32.2



#16
Methylene chloride
Concen: 5.456 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

Tgt Ion: 84 Resp: 23522
Ion Ratio Lower Upper
84 100
86 62.3 44.9 83.3
49 110.0 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 5.067 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

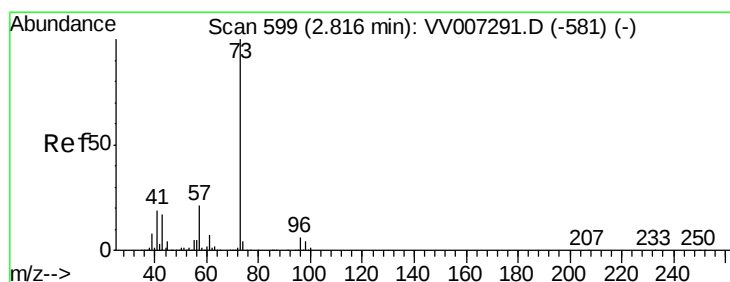
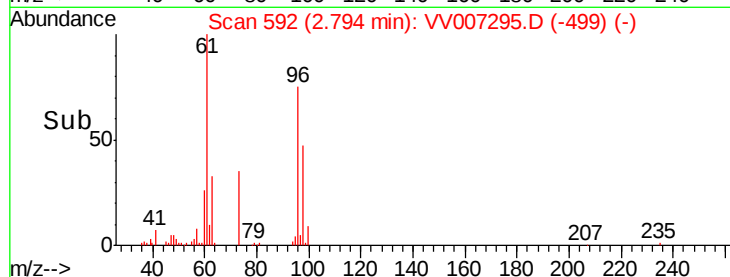
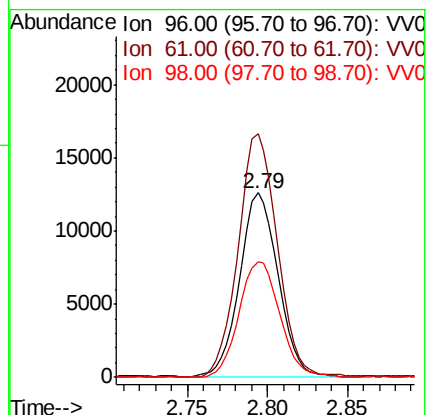
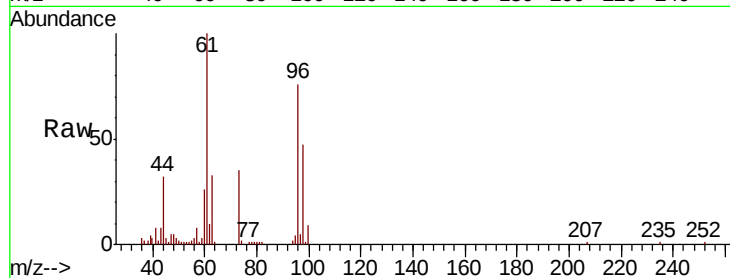
Tgt Ion: 96 Resp: 20777

Ion Ratio Lower Upper

96 100

61 131.9 90.4 167.8

98 62.6 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 5.053 ug/L

RT: 2.82 min Scan# 600

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

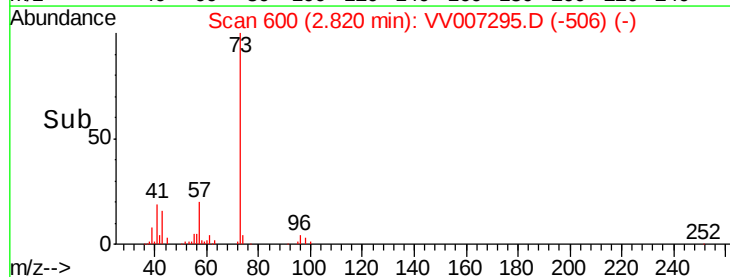
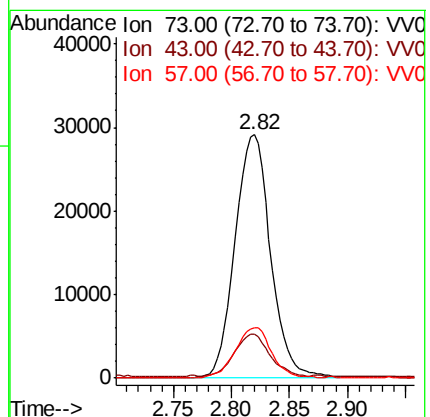
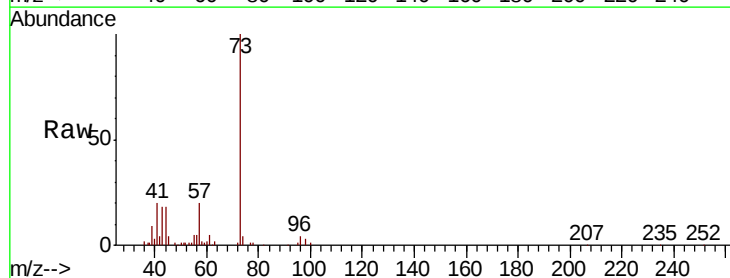
Tgt Ion: 73 Resp: 62112

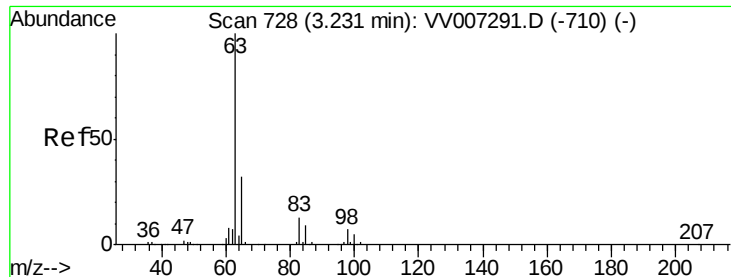
Ion Ratio Lower Upper

73 100

43 17.3 13.4 20.2

57 21.2 16.8 25.2





#19

1,1-Dichloroethane

Concen: 5.068 ug/L

RT: 3.23 min Scan# 729

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampled :

VSTD00576

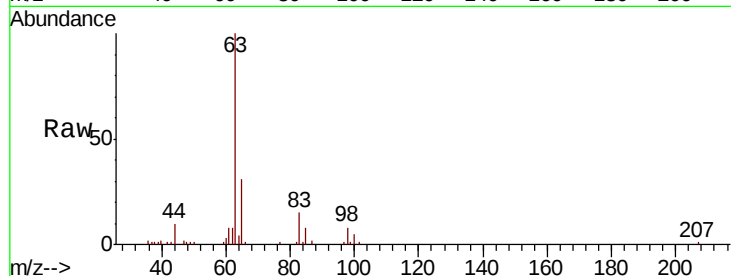
Tgt Ion: 63 Resp: 42199

Ion Ratio Lower Upper

63 100

65 30.7 22.0 41.0

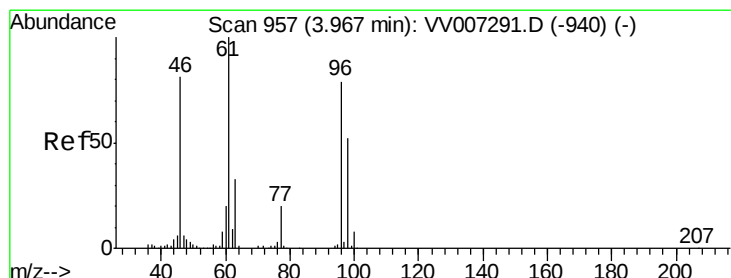
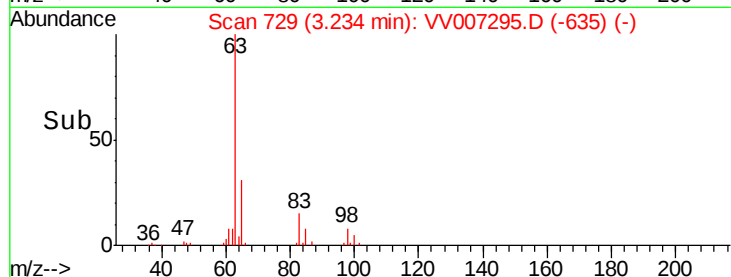
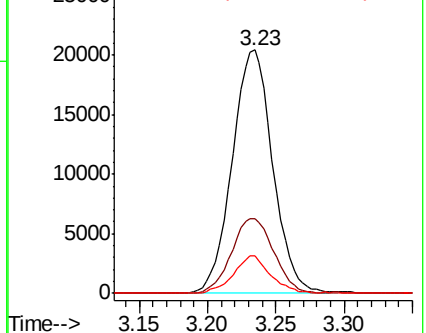
83 15.3 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VV007291.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VV007291.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VV007291.D (-710) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.786 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

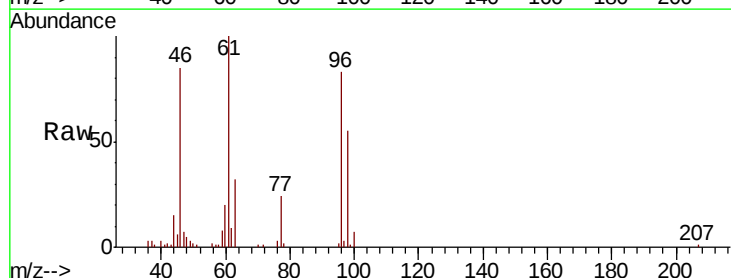
Tgt Ion: 96 Resp: 22784

Ion Ratio Lower Upper

96 100

61 119.8 88.4 164.2

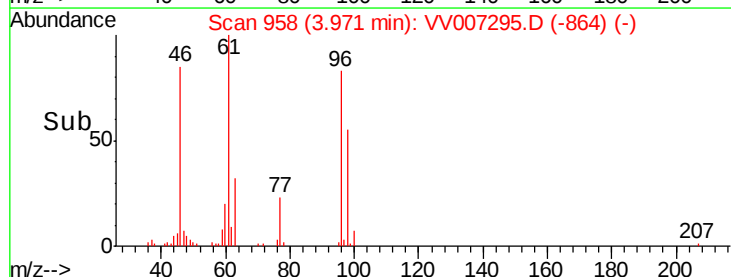
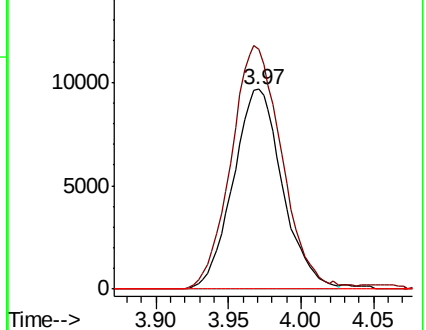
68 0.0 0.0 0.0

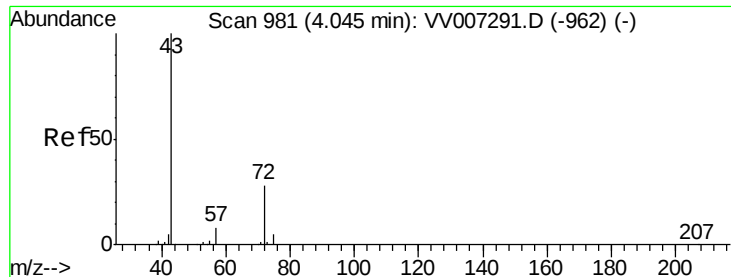


Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-940) (-)

Ion 61.00 (60.70 to 61.70): VV007291.D (-940) (-)

Ion 68.00 (67.70 to 68.70): VV007291.D (-940) (-)





#22

2-Butanone

Concen: 9.020 ug/L

RT: 4.05 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampled :

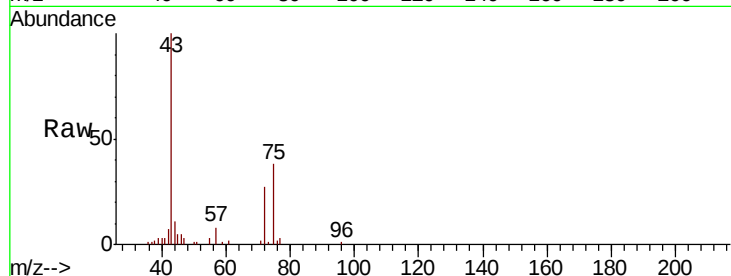
VSTD00576

Tgt Ion: 43 Resp: 33464

Ion Ratio Lower Upper

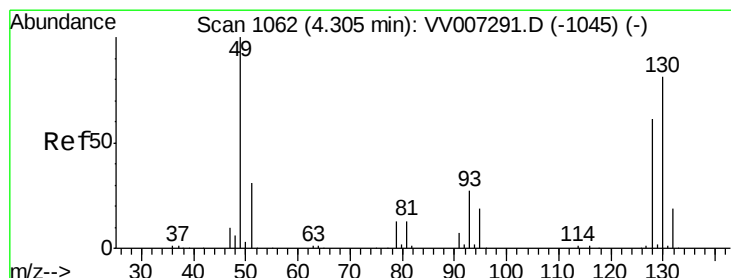
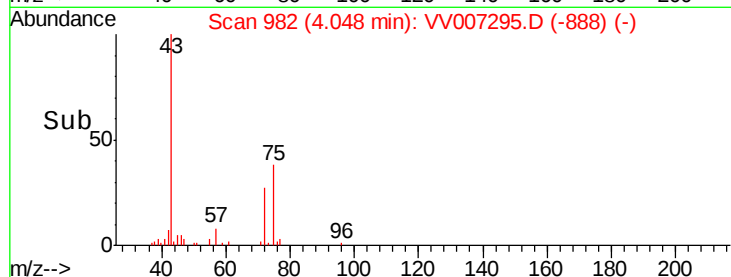
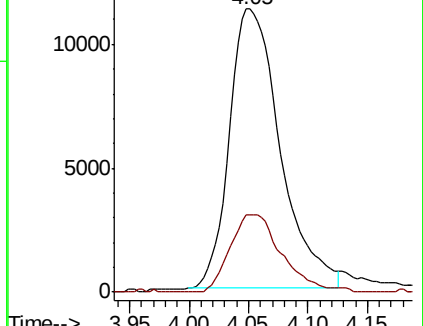
43 100

72 27.8 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: 5.224 ug/L

RT: 4.31 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Tgt Ion: 128 Resp: 12736

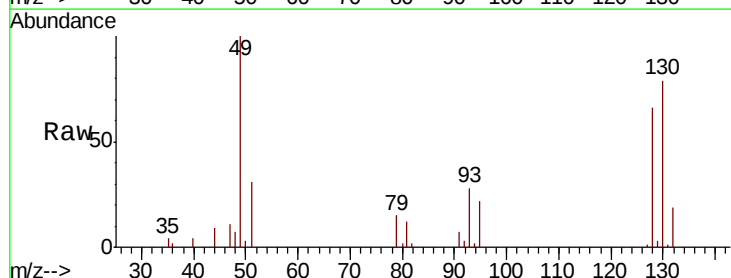
Ion Ratio Lower Upper

128 100

49 150.7 115.6 214.8

130 119.5 93.7 173.9

51 47.1 41.3 61.9

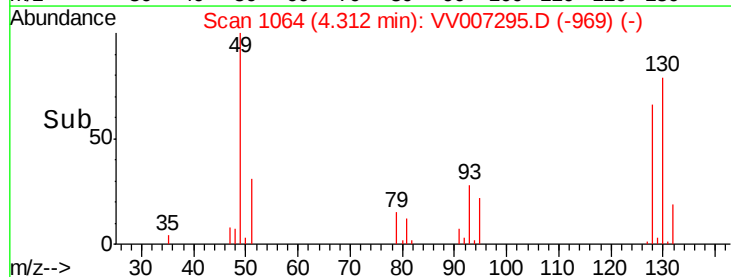
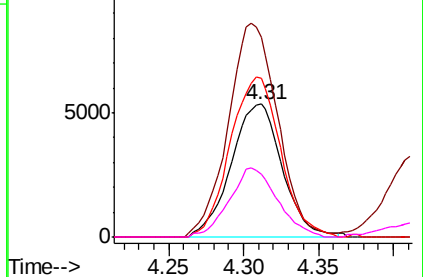


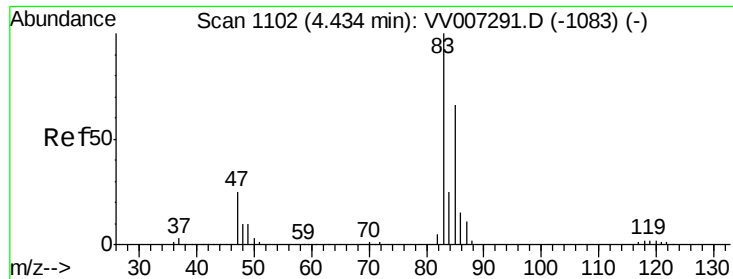
Abundance Ion 128.00 (127.70 to 128.70): VV007291.D (-1045) (-)

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) (-)

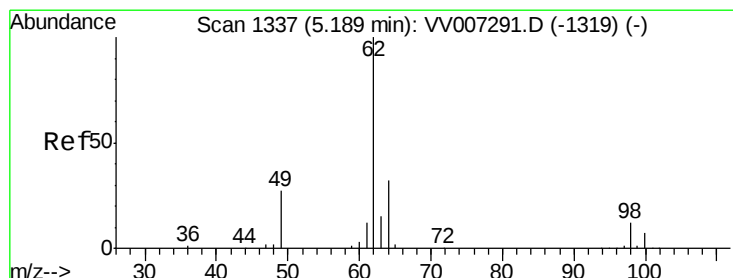
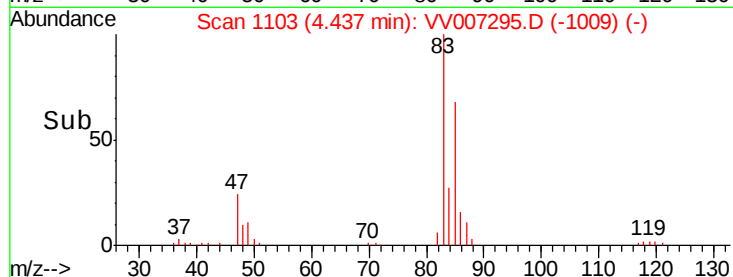
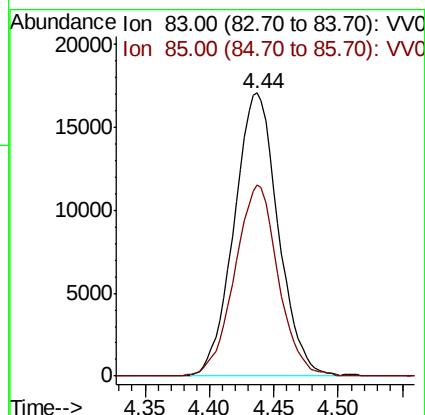
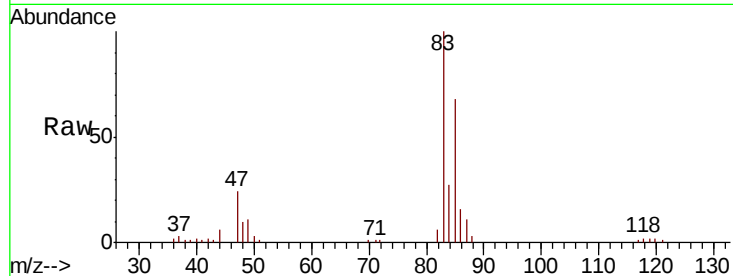




#25
Chloroform
Concen: 4.965 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

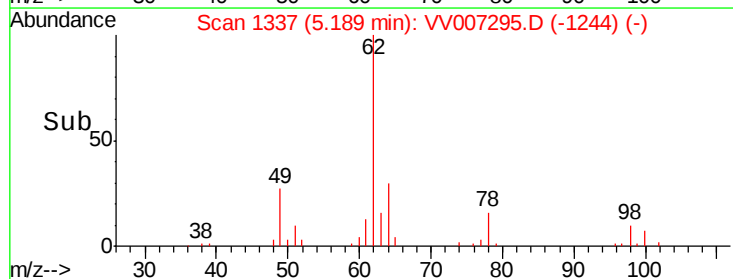
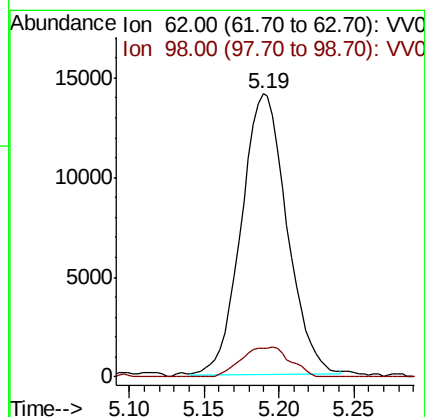
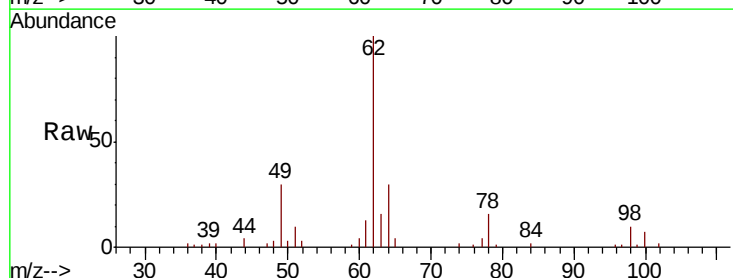
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

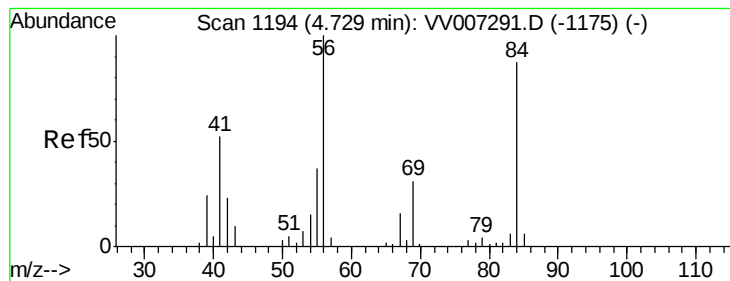
Tgt Ion: 83 Resp: 40519
Ion Ratio Lower Upper
83 100
85 67.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.941 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

Tgt Ion: 62 Resp: 29844
Ion Ratio Lower Upper
62 100
98 9.9 9.1 13.7





#29

Cyclohexane

Concen: 4.318 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

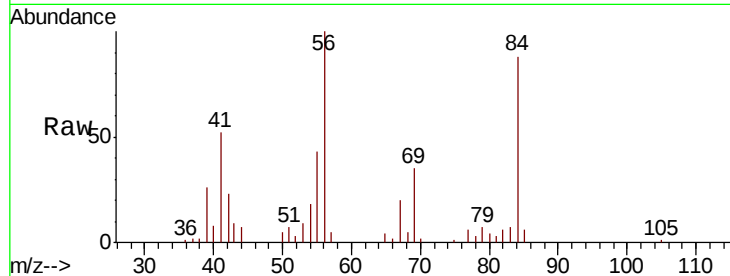
Tgt Ion: 56 Resp: 27921

Ion Ratio Lower Upper

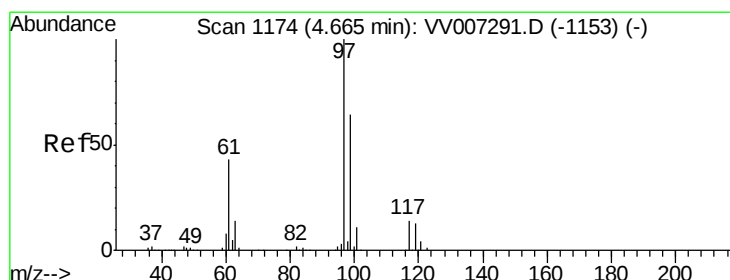
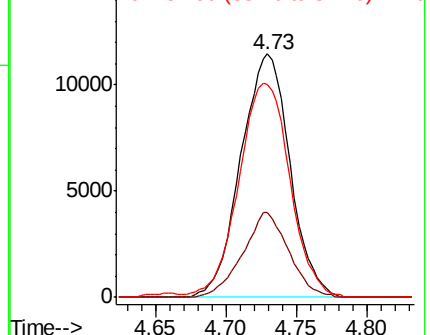
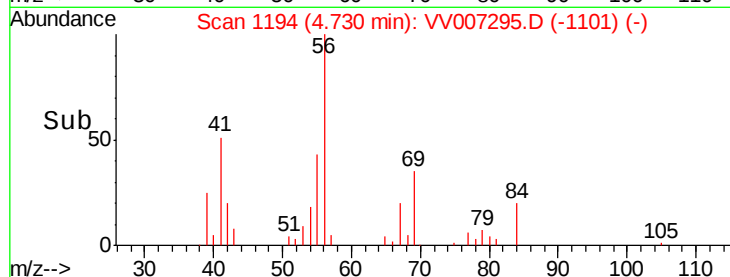
56 100

69 32.6 24.7 37.1

84 91.6 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VV007295.D (-1101) (-)



#30

1,1,1-Trichloroethane

Concen: 5.098 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

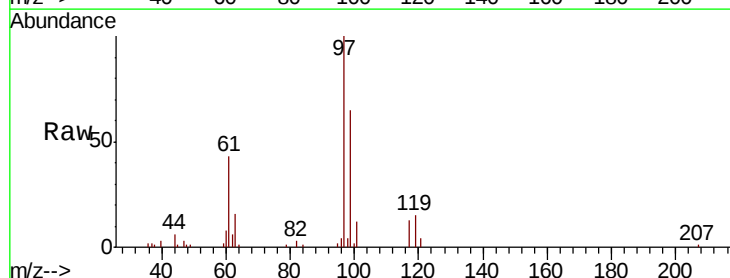
Tgt Ion: 97 Resp: 33465

Ion Ratio Lower Upper

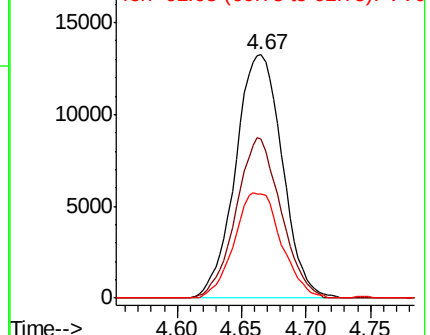
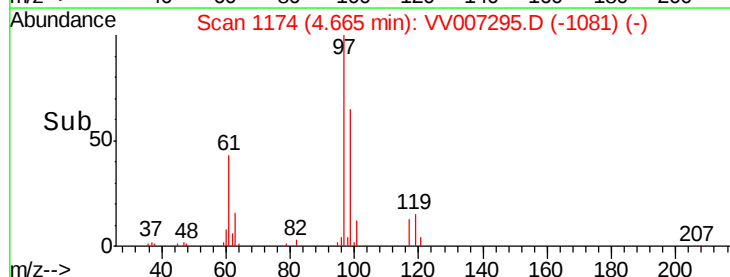
97 100

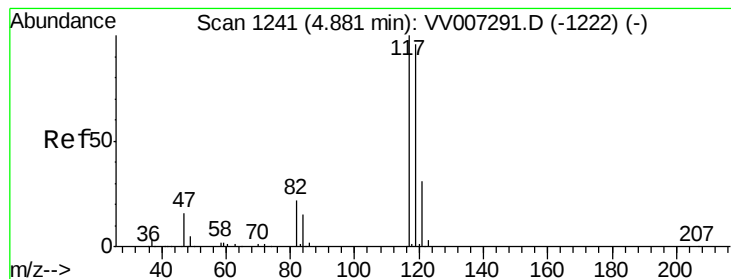
99 63.1 51.4 77.0

61 43.4 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV007295.D (-1081) (-)





#31

Carbon tetrachloride

Concen: 5.084 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

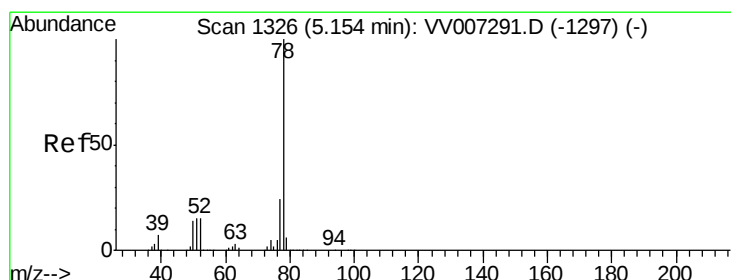
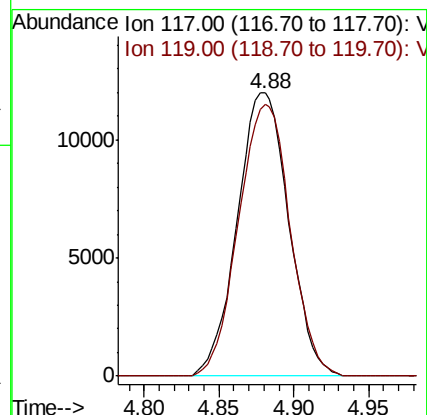
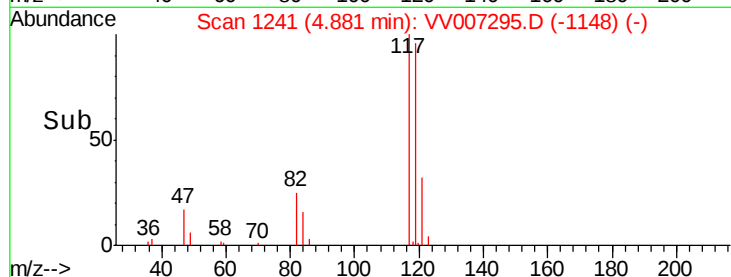
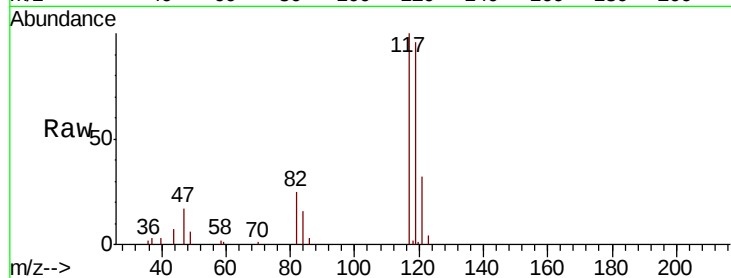
VSTD00576

Tgt Ion:117 Resp: 28650

Ion Ratio Lower Upper

117 100

119 96.3 77.1 115.7



#33

Benzene

Concen: 4.724 ug/L

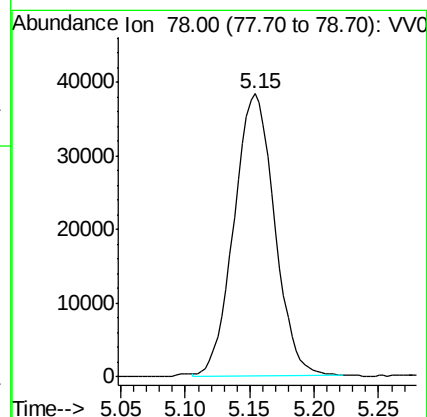
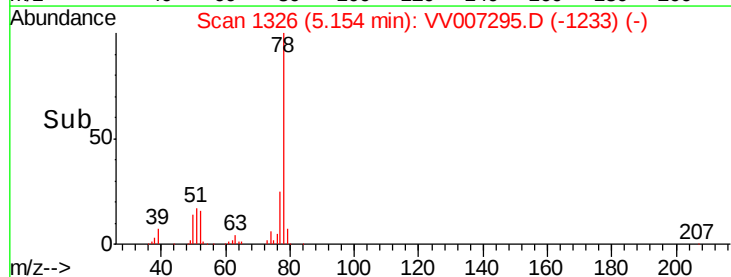
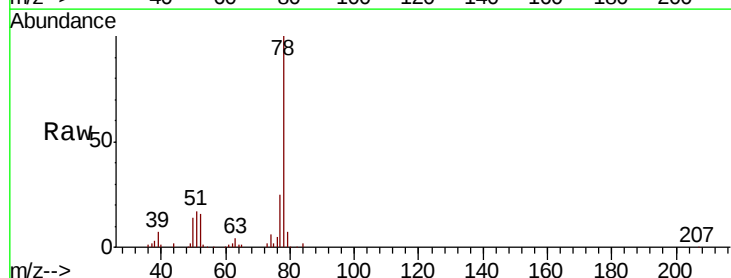
RT: 5.15 min Scan# 1326

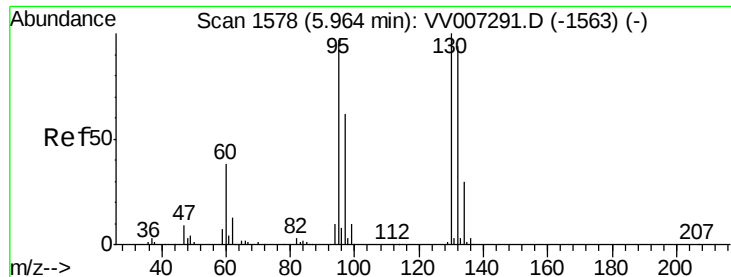
Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Tgt Ion: 78 Resp: 83735





#34

Trichloroethene

Concen: 5.048 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

Tgt Ion: 95 Resp: 21774

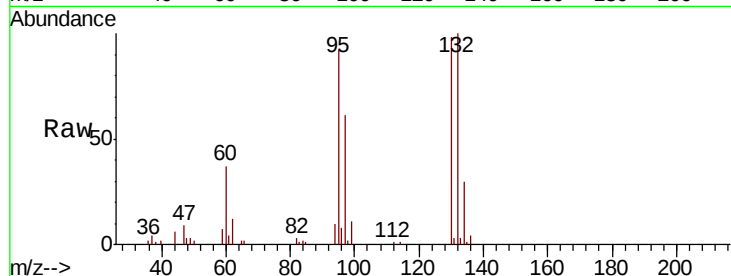
Ion Ratio Lower Upper

95 100

97 66.0 45.1 83.9

132 108.8 68.3 126.9

130 106.3 72.4 134.5

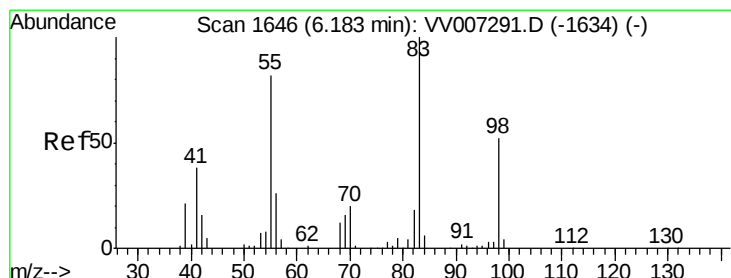
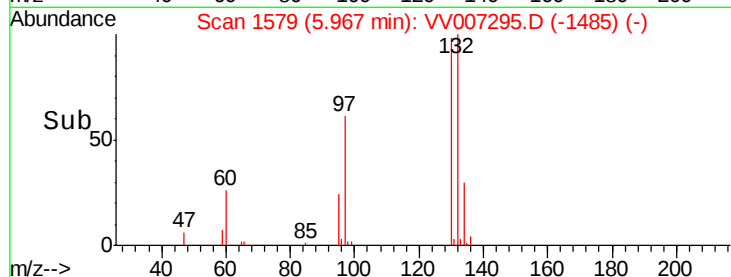
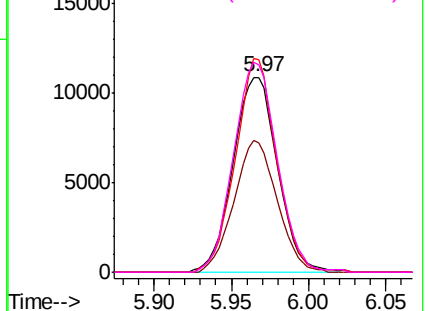


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.235 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

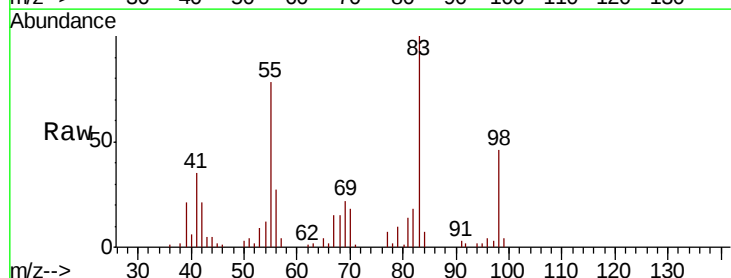
Tgt Ion: 83 Resp: 29044

Ion Ratio Lower Upper

83 100

55 80.1 62.4 93.6

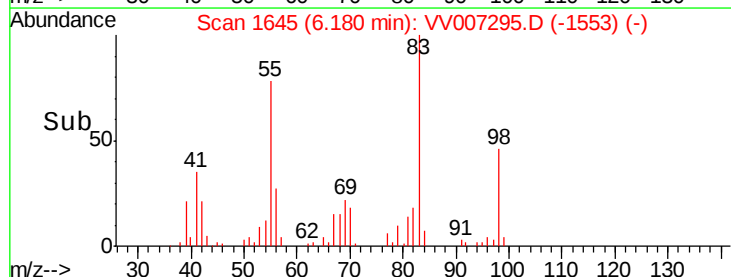
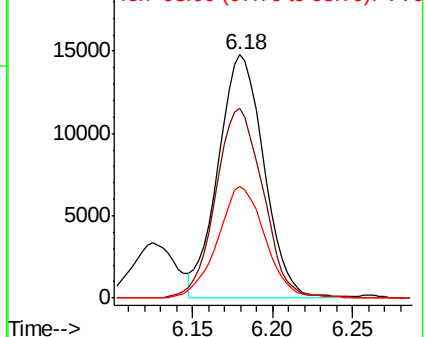
98 47.5 39.0 58.4

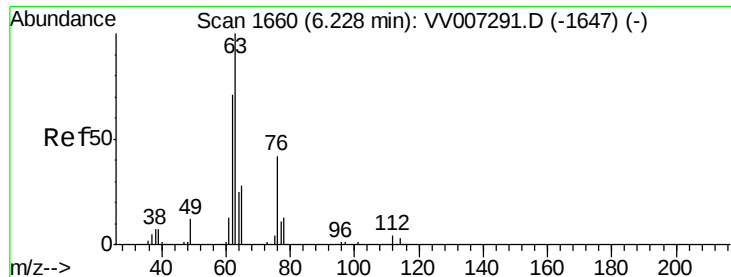


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 5.106 ug/L

RT: 6.23 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampled :

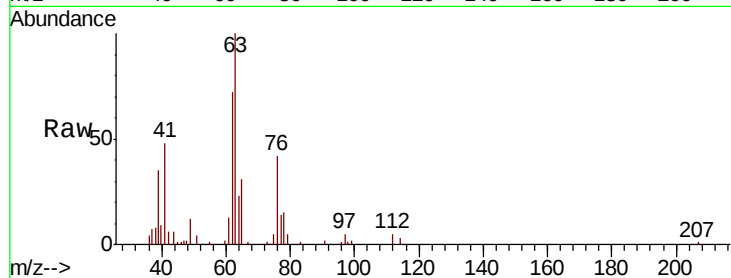
VSTD00576

Tgt Ion: 63 Resp: 24008

Ion Ratio Lower Upper

63 100

112 5.7 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV007291.D (-1647) (-)

Ion 112.00 (111.70 to 112.70): VV007291.D (-1647) (-)

6.23

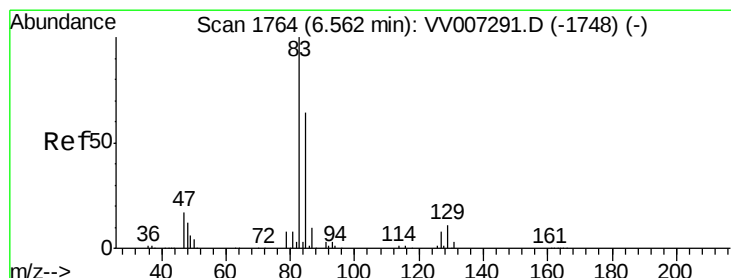
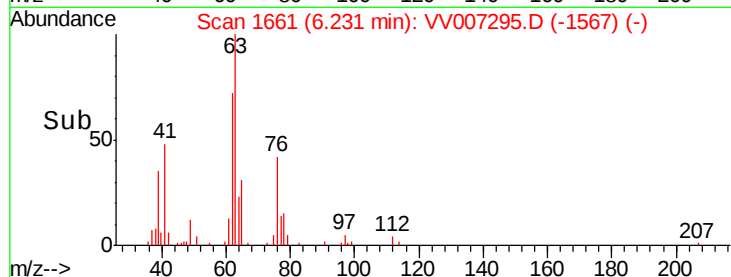
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.142 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

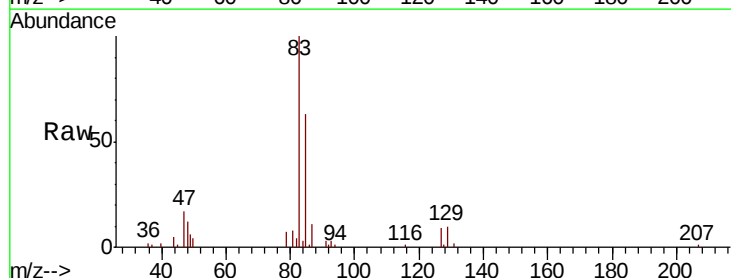
Tgt Ion: 83 Resp: 29618

Ion Ratio Lower Upper

83 100

85 62.7 44.4 82.5

127 9.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV007291.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VV007291.D (-1748) (-)

Ion 127.00 (126.70 to 127.70): VV007291.D (-1748) (-)

6.56

20000

15000

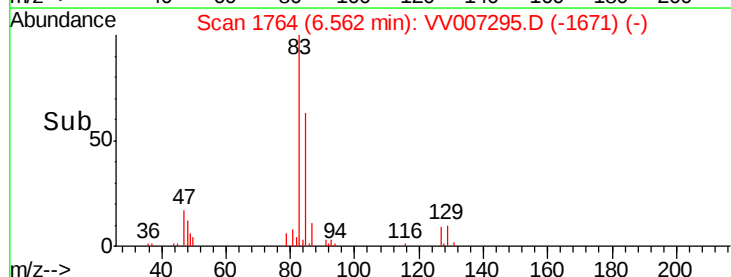
10000

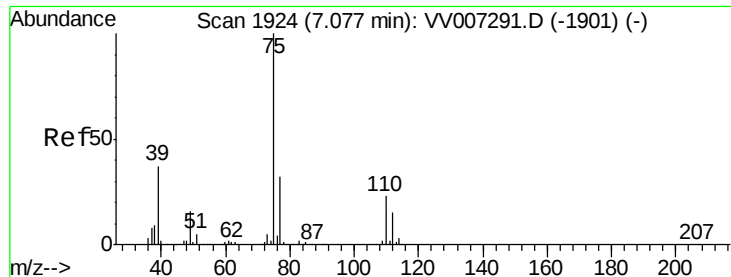
5000

0

6.50 6.55 6.60 6.65

Time-->



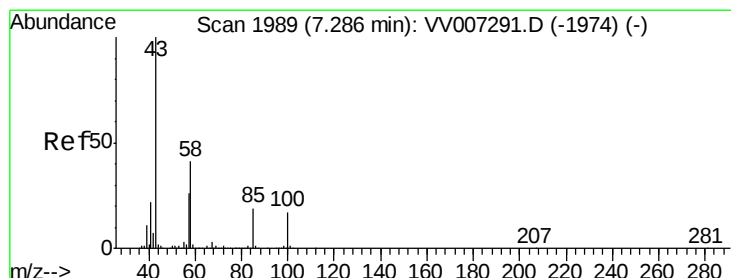
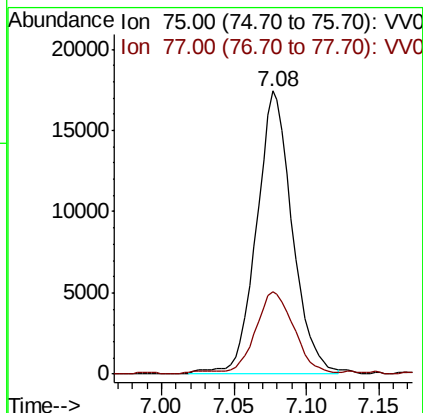
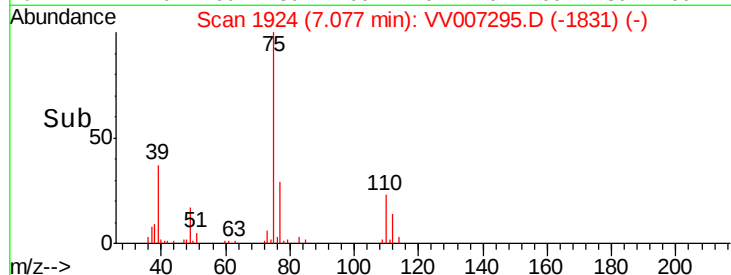
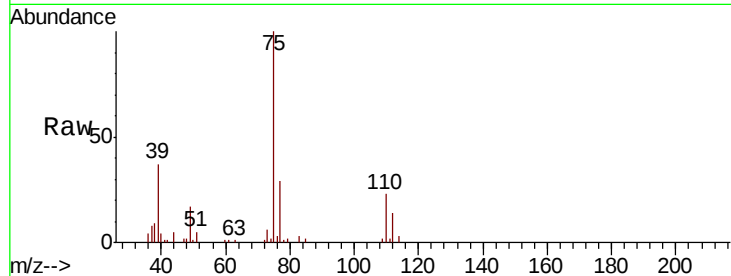


#39

cis-1,3-Dichloropropene
 Concen: 4.542 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007295.D
 Acq: 31 Aug 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

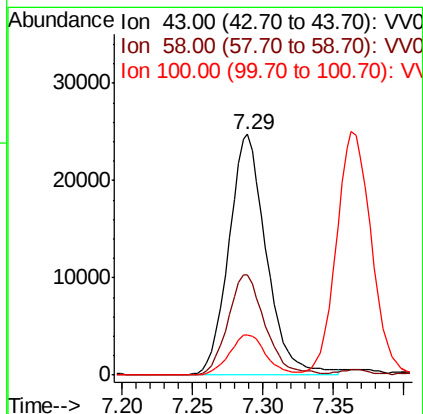
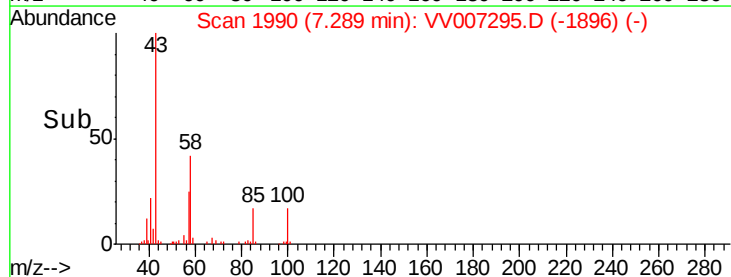
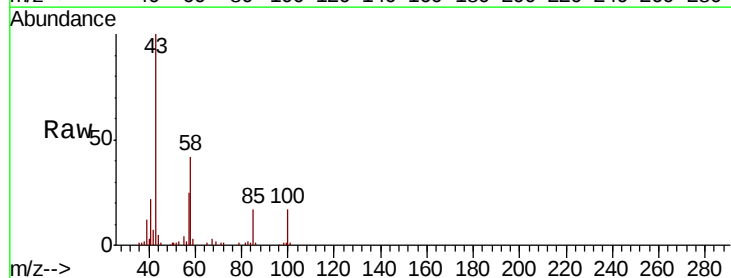
Tgt Ion: 75 Resp: 30045
 Ion Ratio Lower Upper
 75 100
 77 29.3 22.3 41.3

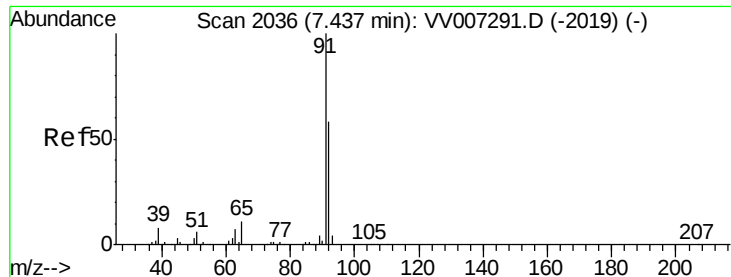


#40

4-Methyl-2-pentanone
 Concen: 8.359 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007295.D
 Acq: 31 Aug 2018 12:15

Tgt Ion: 43 Resp: 46066
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.6 49.0
 100 16.2 13.4 20.0





#42

Toluene

Concen: 4.499 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

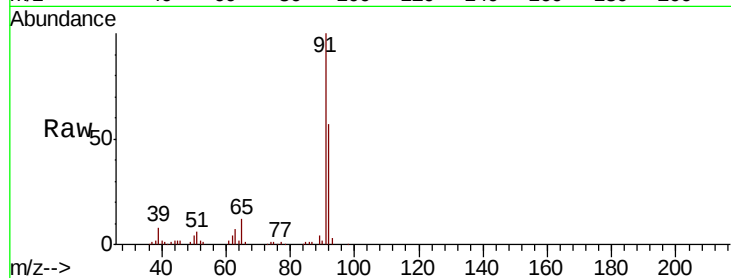
VSTD00576

Tgt Ion: 91 Resp: 77405

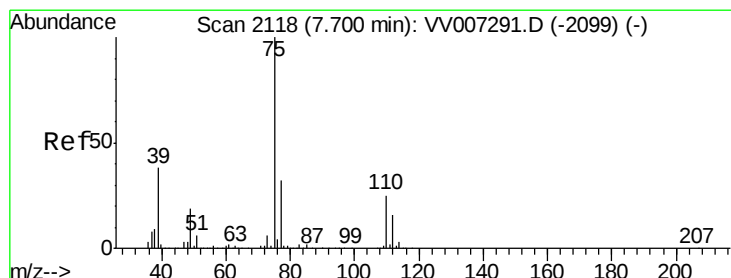
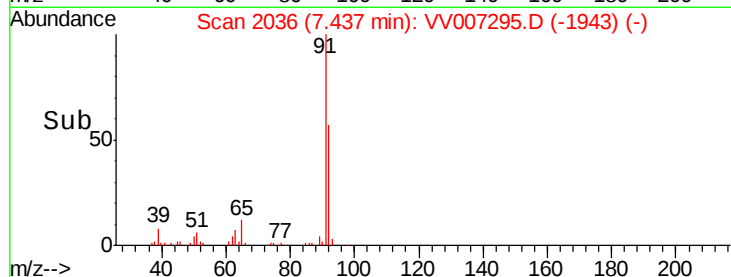
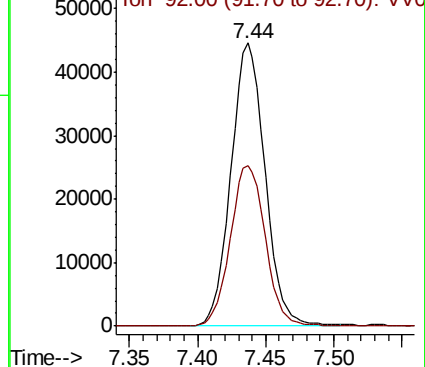
Ion Ratio Lower Upper

91 100

92 56.6 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV007295.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.504 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007295.D

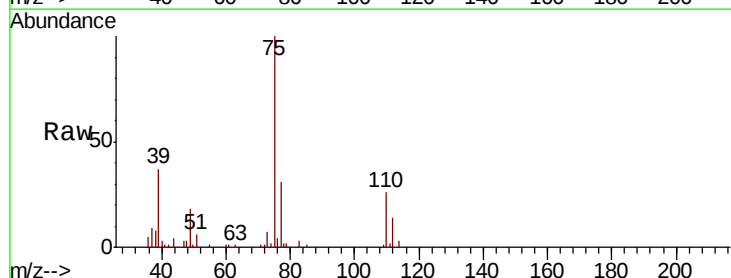
Acq: 31 Aug 2018 12:15

Tgt Ion: 75 Resp: 27559

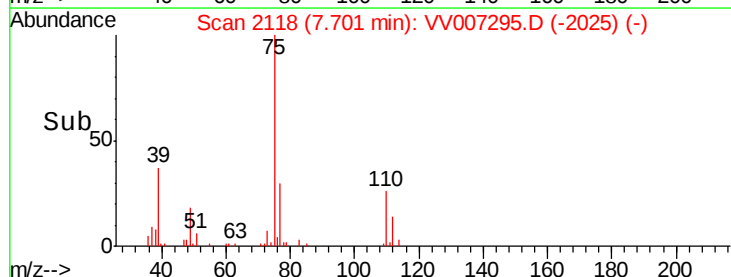
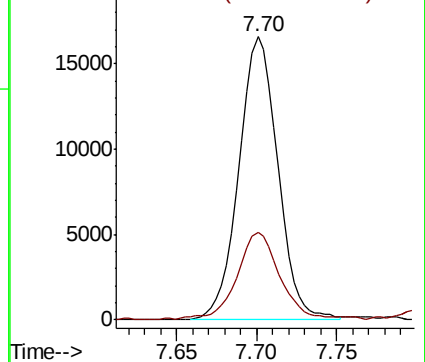
Ion Ratio Lower Upper

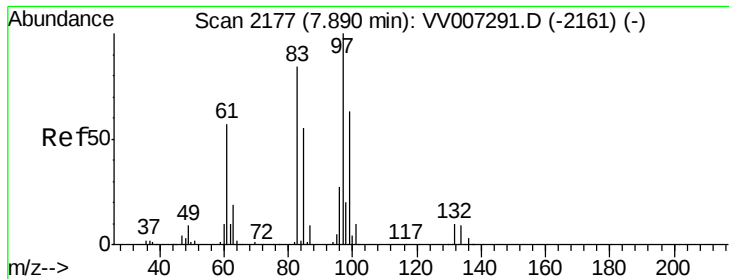
75 100

77 31.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV007295.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 5.075 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

Tgt Ion: 97 Resp: 22155

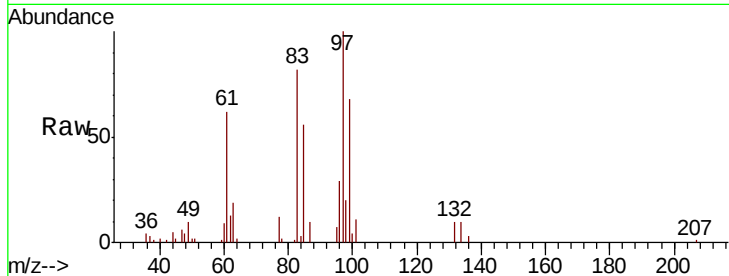
Ion Ratio Lower Upper

97 100

99 67.9 44.0 81.6

83 81.9 59.0 109.6

85 55.6 38.9 72.2

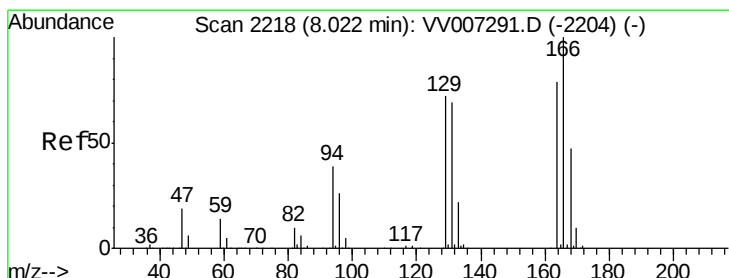
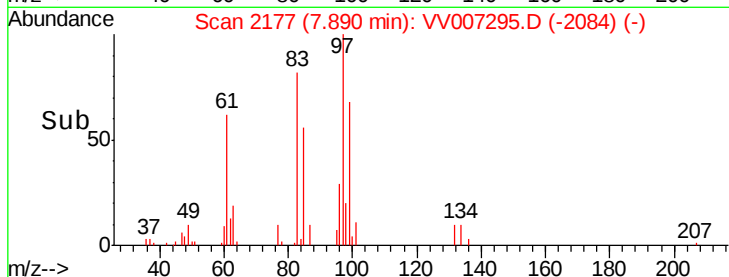
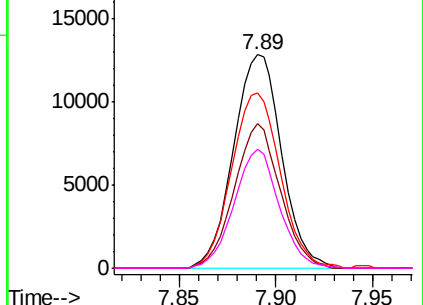


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 4.965 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Tgt Ion: 164 Resp: 17678

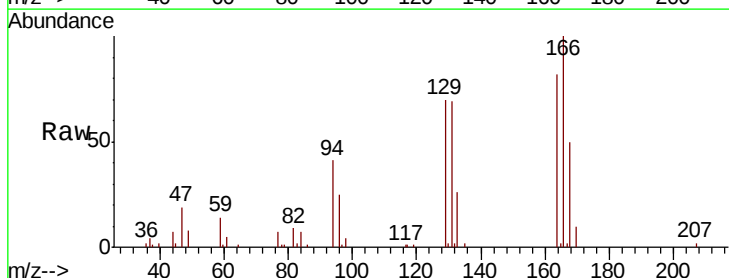
Ion Ratio Lower Upper

164 100

129 85.5 64.5 119.7

131 84.0 61.2 113.8

166 122.0 89.1 165.5

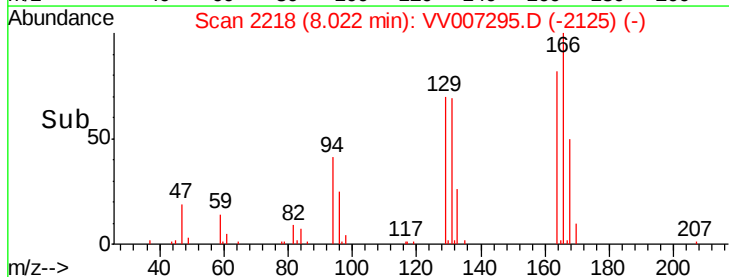
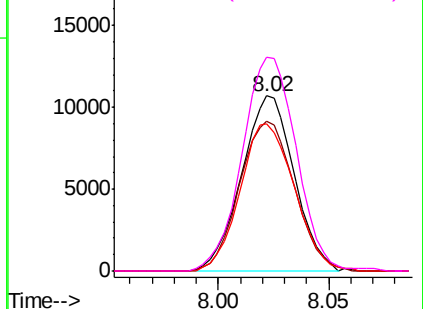


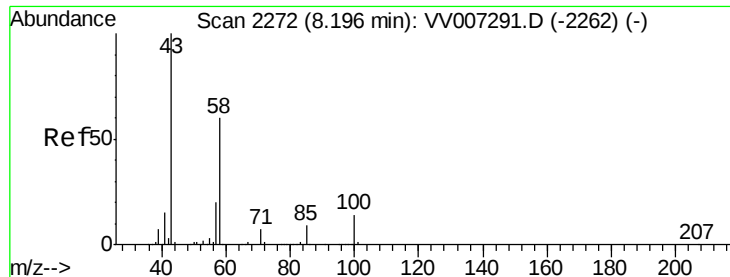
Abundance Ion 164.00 (163.70 to 164.70): V

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

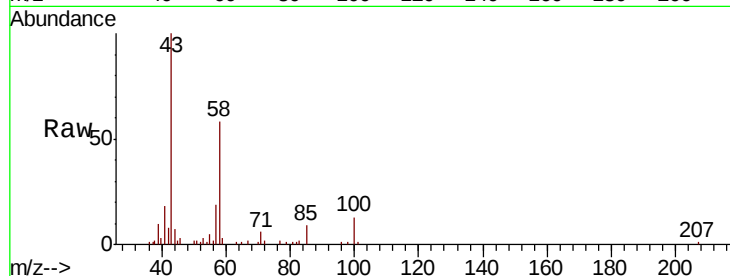




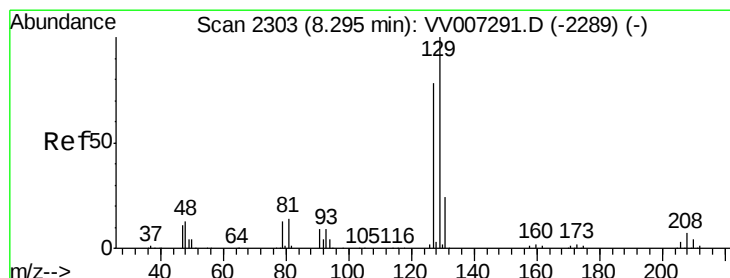
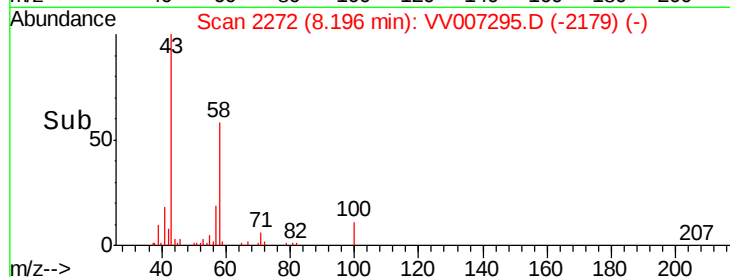
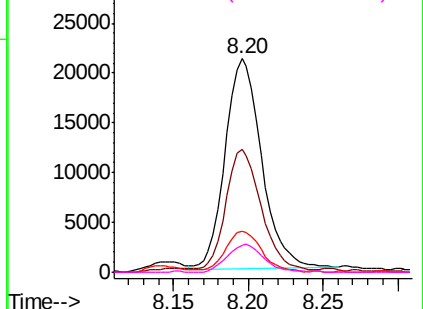
#48
2-Hexanone
Concen: 8.206 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Tgt Ion:	43	Resp:	36014
Ion	Ratio	Lower	Upper
43	100		
58	56.3	48.2	72.4
57	19.4	15.9	23.9
100	13.3	11.0	16.4

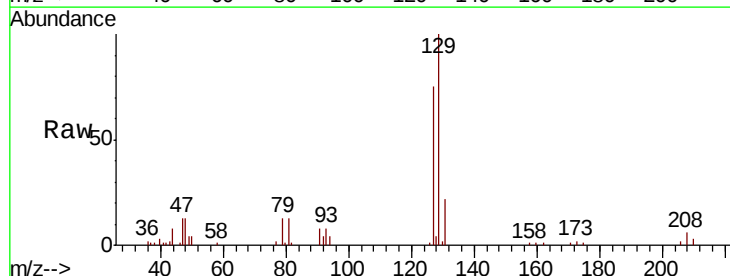


Abundance Ion 43.00 (42.70 to 43.70): VV007295.D (-2179) (-)
Ion 58.00 (57.70 to 58.70): VV007295.D (-2179) (-)
Ion 57.00 (56.70 to 57.70): VV007295.D (-2179) (-)
Ion 100.00 (99.70 to 100.70): VV007295.D (-2179) (-)

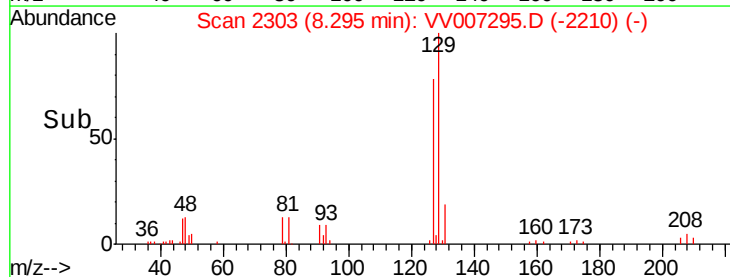
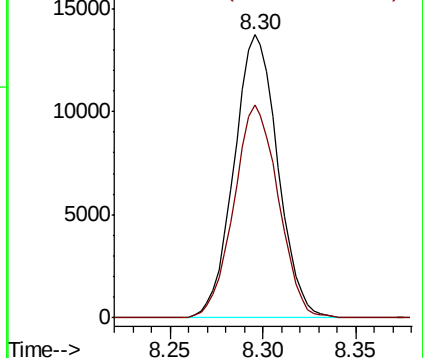


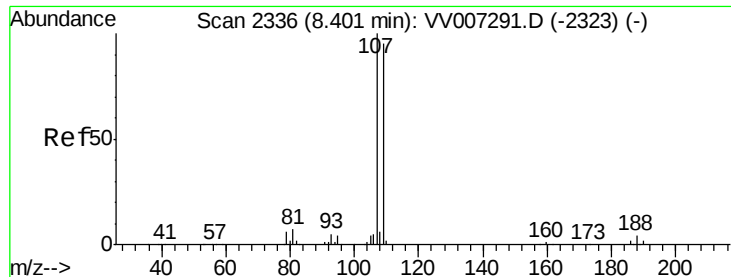
#49
Dibromochloromethane
Concen: 5.010 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

Tgt Ion:	129	Resp:	22500
Ion	Ratio	Lower	Upper
129	100		
127	75.2	54.4	101.0



Abundance Ion 129.00 (128.70 to 129.70): VV007295.D (-2210) (-)
Ion 127.00 (126.70 to 127.70): VV007295.D (-2210) (-)

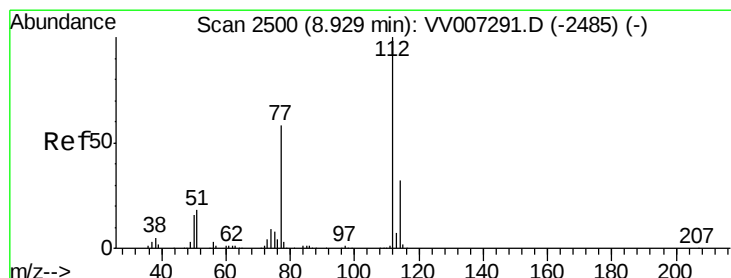
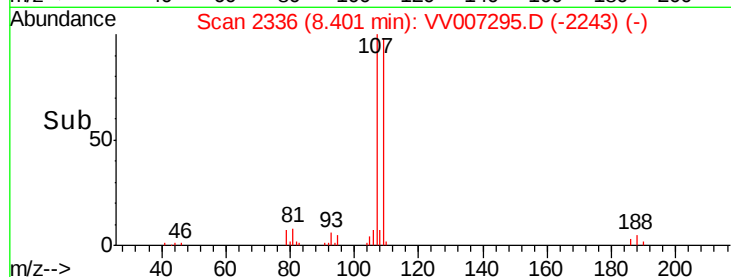
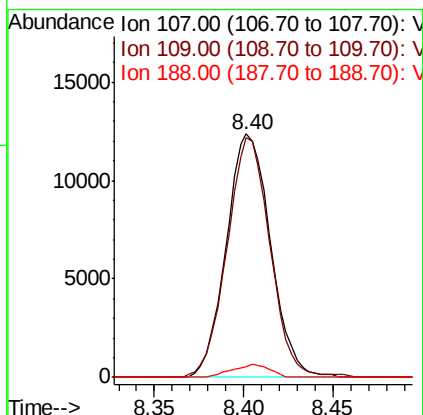
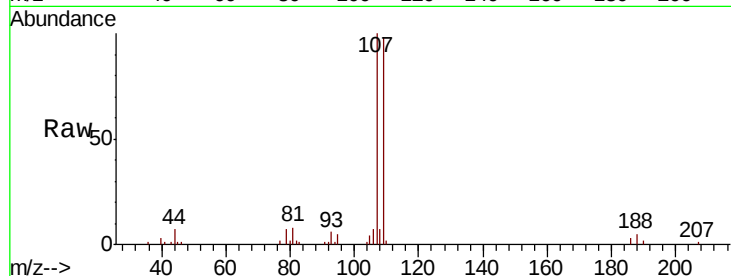




#50
1,2-Dibromoethane
Concen: 4.847 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

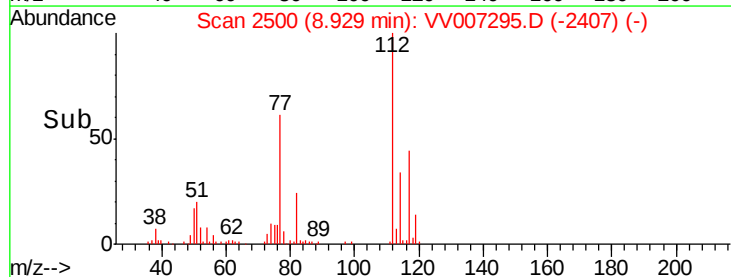
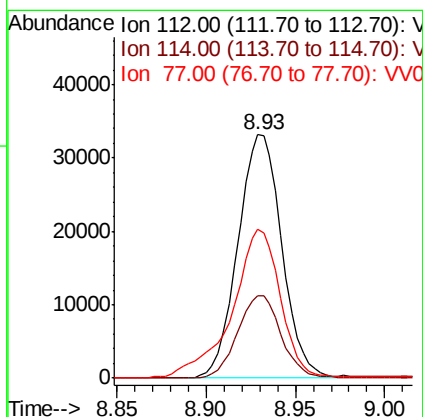
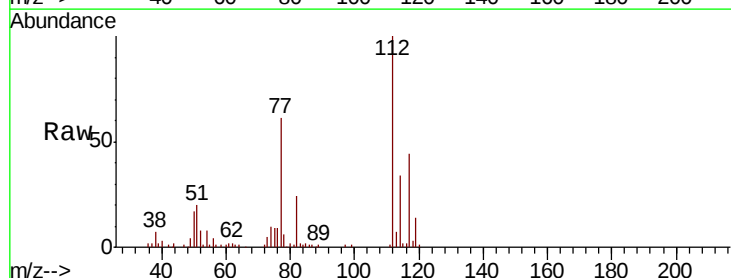
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

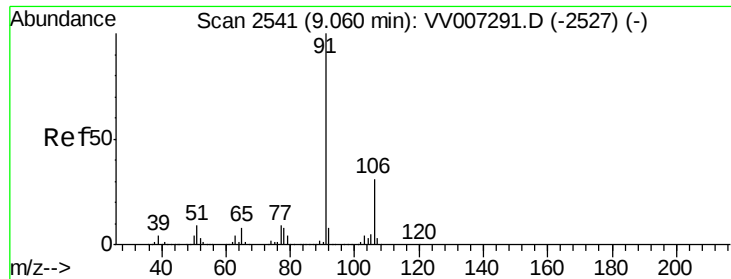
Tgt Ion:107 Resp: 21285
Ion Ratio Lower Upper
107 100
109 98.5 66.7 123.9
188 4.6 3.3 4.9



#51
Chlorobenzene
Concen: 4.887 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007295.D
Acq: 31 Aug 2018 12:15

Tgt Ion:112 Resp: 56846
Ion Ratio Lower Upper
112 100
114 33.9 22.4 41.6
77 61.1 46.2 69.4





#52

Ethylbenzene

Concen: 4.292 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

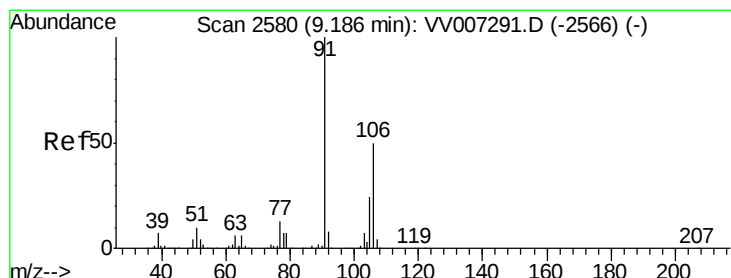
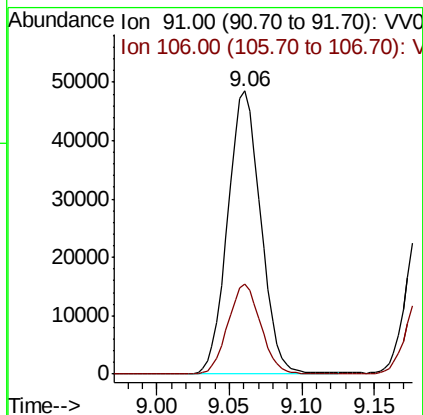
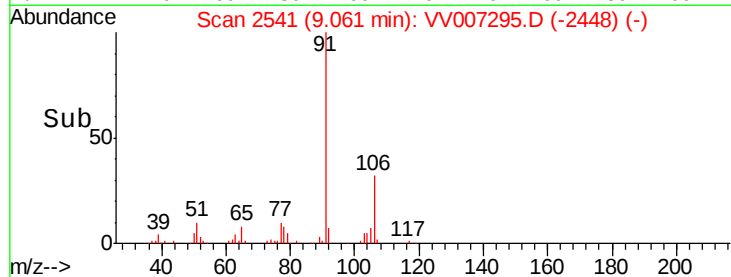
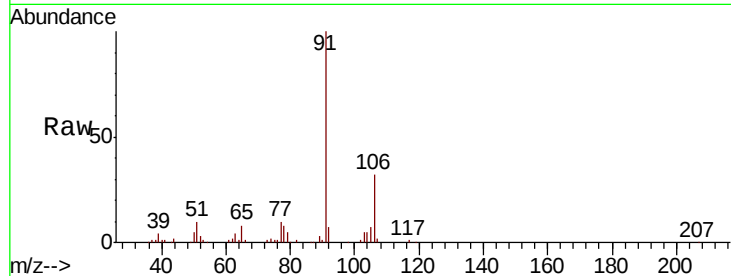
VSTD00576

Tgt Ion: 91 Resp: 76821

Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



#53

m,p-Xylene

Concen: 3.999 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007295.D

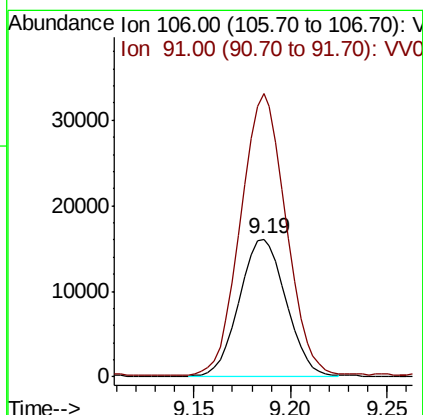
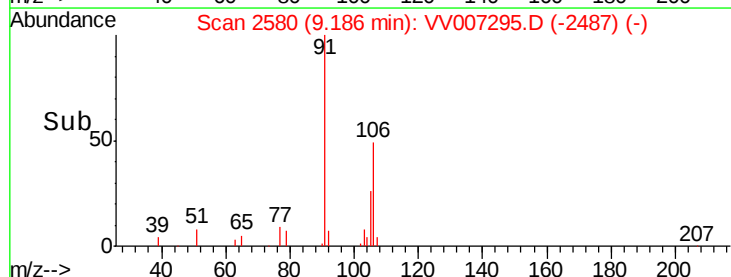
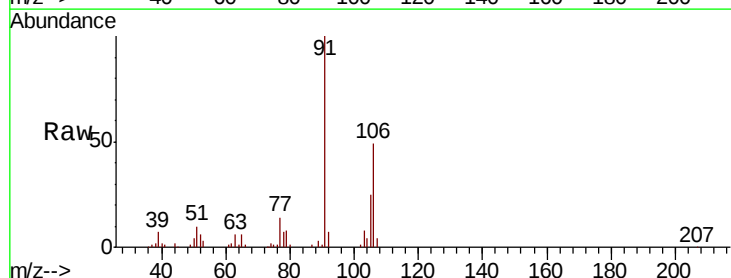
Acq: 31 Aug 2018 12:15

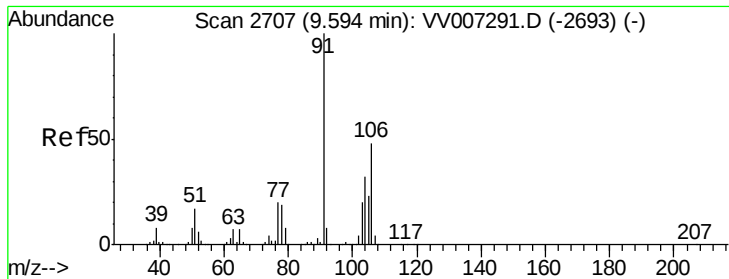
Tgt Ion: 106 Resp: 27126

Ion Ratio Lower Upper

106 100

91 205.2 140.1 260.3





#54

o-xylene

Concen: 4.006 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

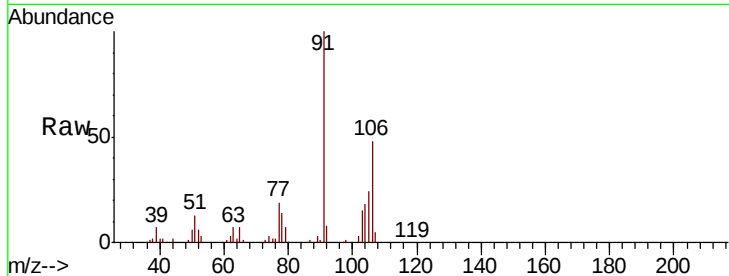
VSTD00576

Tgt Ion:106 Resp: 26175

Ion Ratio Lower Upper

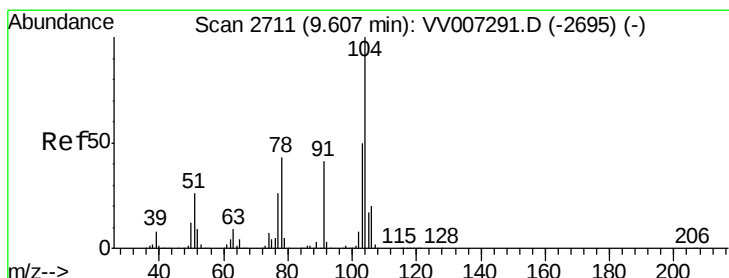
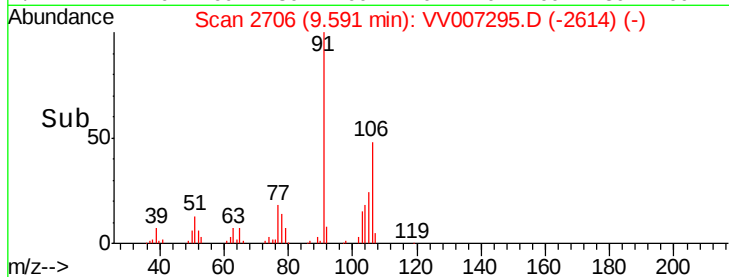
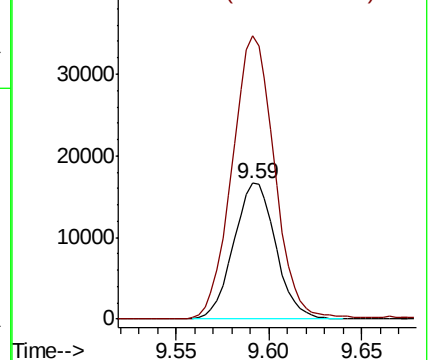
106 100

91 208.3 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 3.754 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007295.D

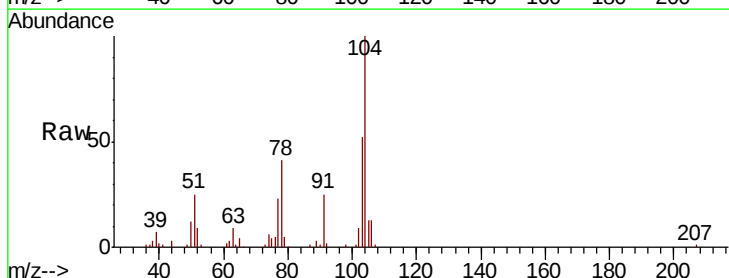
Acq: 31 Aug 2018 12:15

Tgt Ion:104 Resp: 42329

Ion Ratio Lower Upper

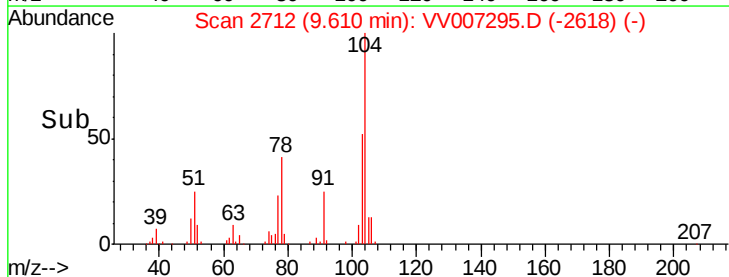
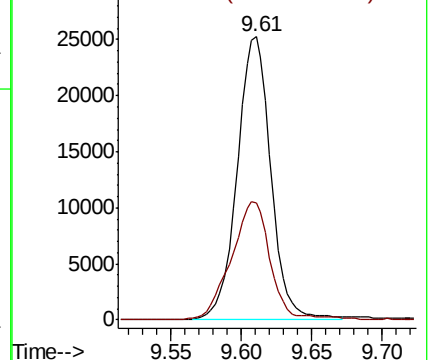
104 100

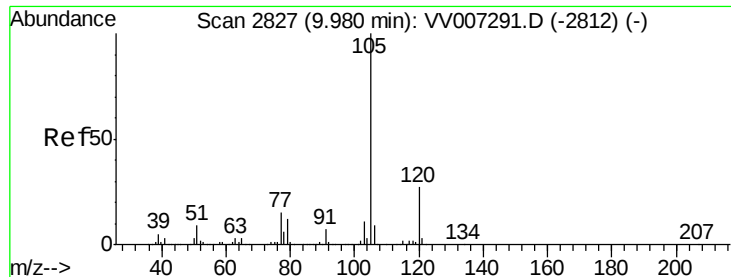
78 41.4 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 3.828 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

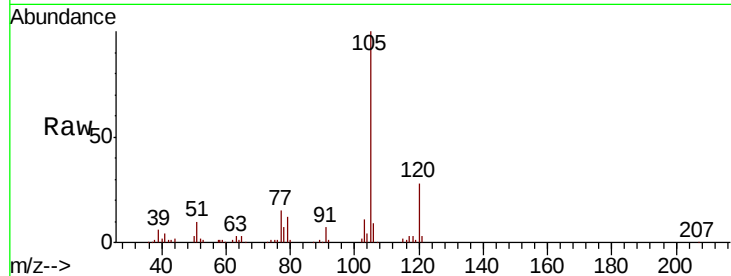
Tgt Ion:105 Resp: 63842

Ion Ratio Lower Upper

105 100

120 27.6 21.3 31.9

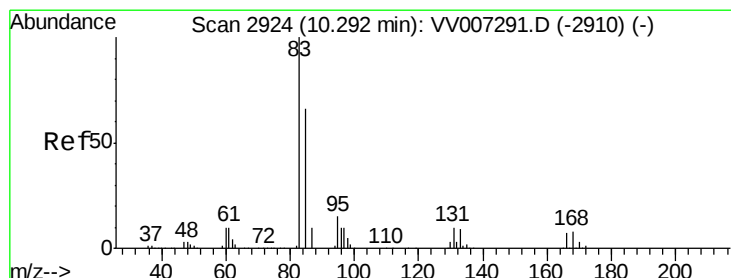
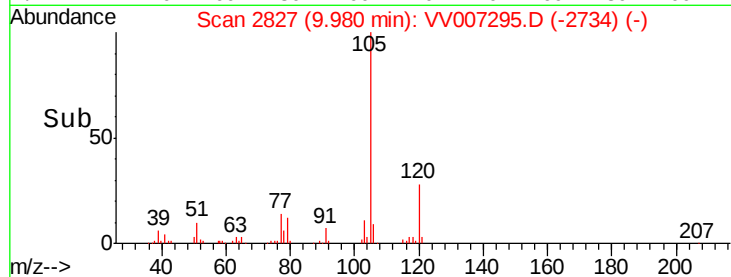
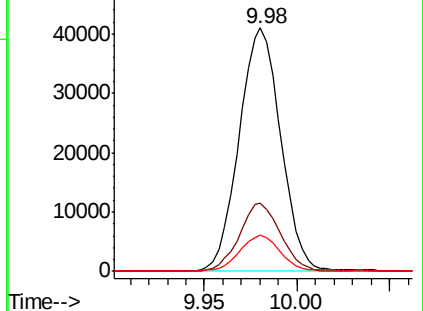
77 14.8 12.1 18.1



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: 4.844 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

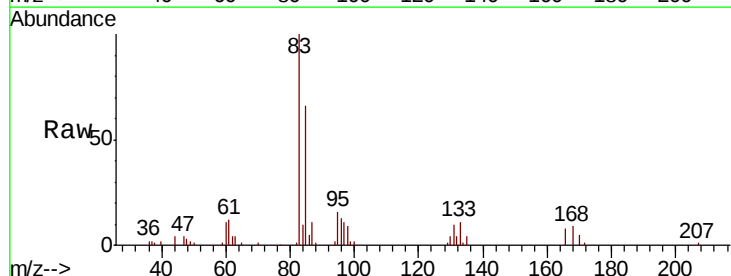
Tgt Ion: 83 Resp: 34730

Ion Ratio Lower Upper

83 100

85 66.4 46.1 85.5

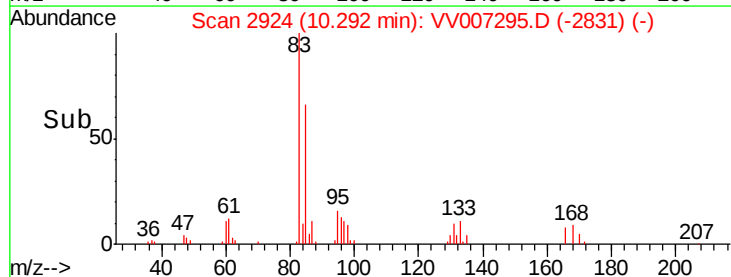
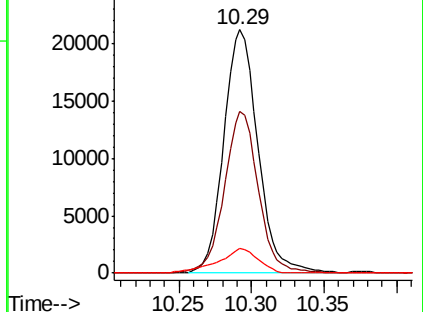
131 10.0 7.9 11.9

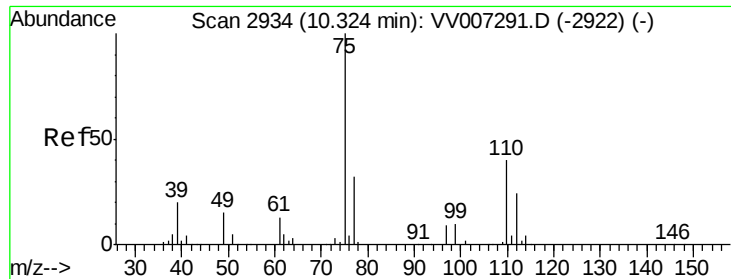


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

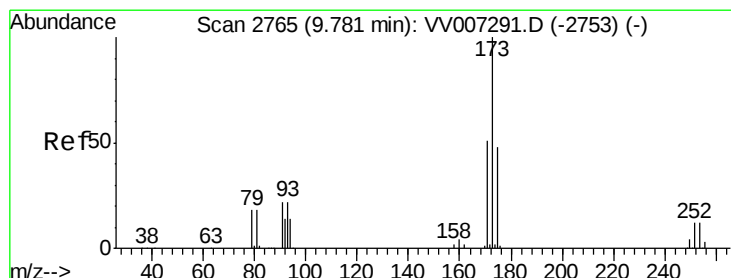
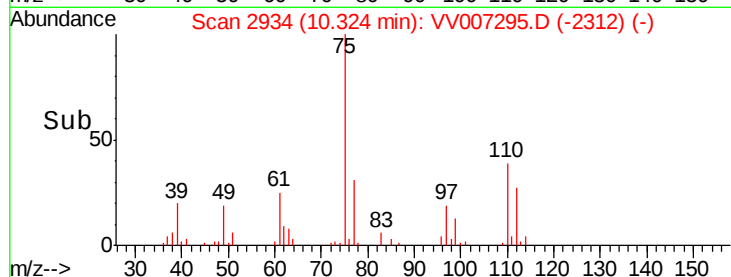
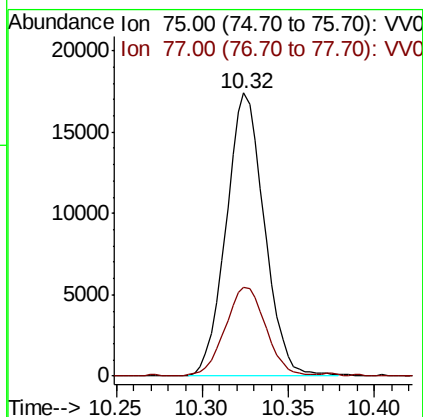
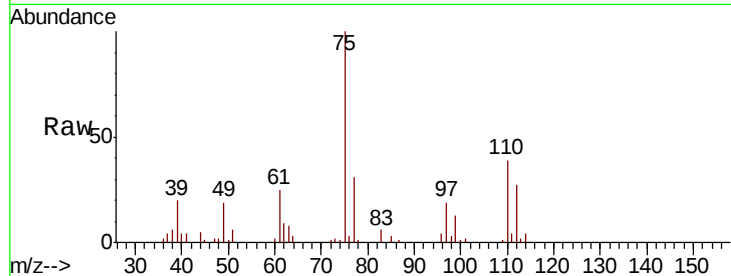




#59
 1,2,3-Trichloropropane
 Concen: 4.725 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007295.D
 Acq: 31 Aug 2018 12:15

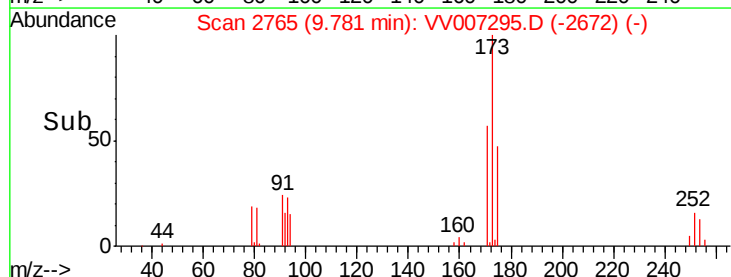
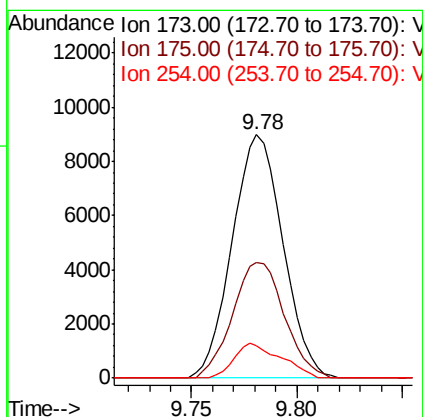
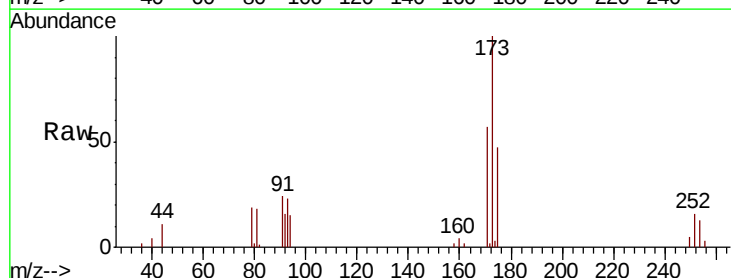
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

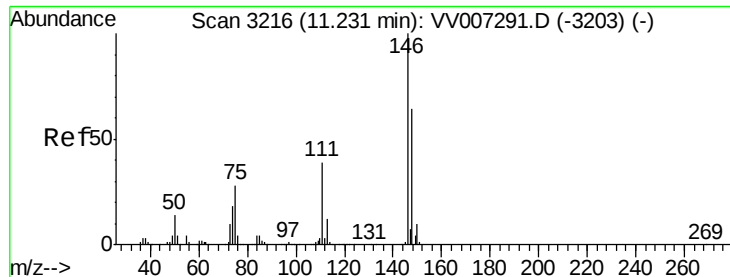
Tgt Ion: 75 Resp: 27059
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.9 38.9



#61
 Bromoform
 Concen: 5.474 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007295.D
 Acq: 31 Aug 2018 12:15

Tgt Ion: 173 Resp: 15058
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.3 57.5
 254 13.2 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 5.144 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

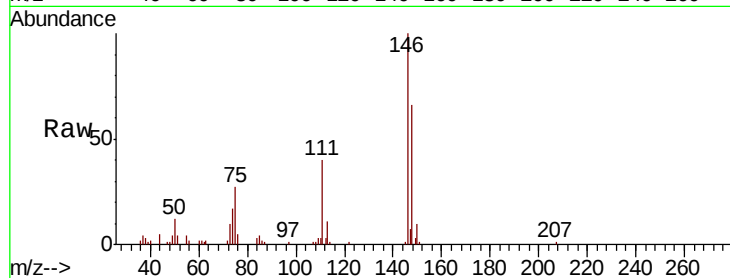
Tgt Ion:146 Resp: 35584

Ion Ratio Lower Upper

146 100

111 39.9 27.2 50.6

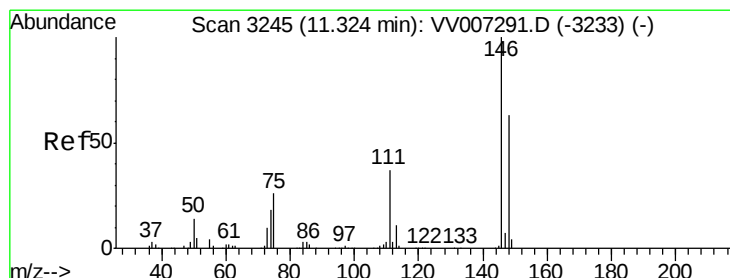
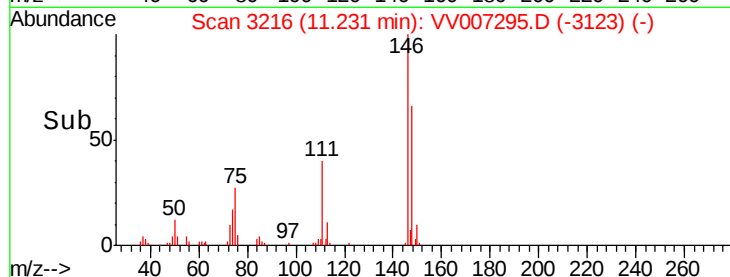
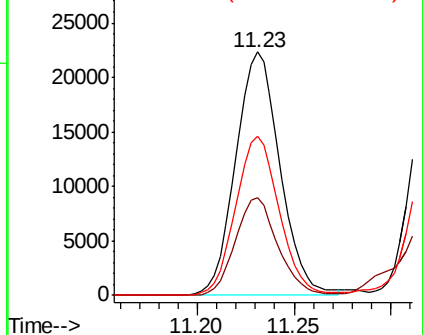
148 65.5 45.1 83.7



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: 5.012 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

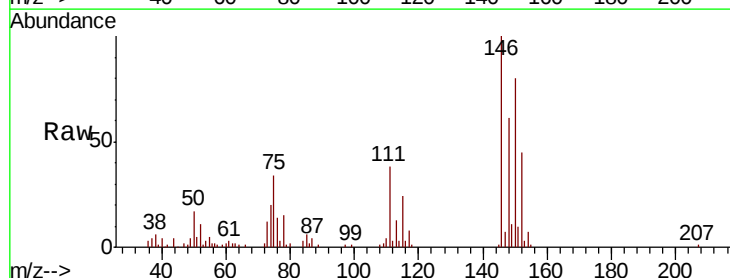
Tgt Ion:146 Resp: 37507

Ion Ratio Lower Upper

146 100

111 38.2 25.8 48.0

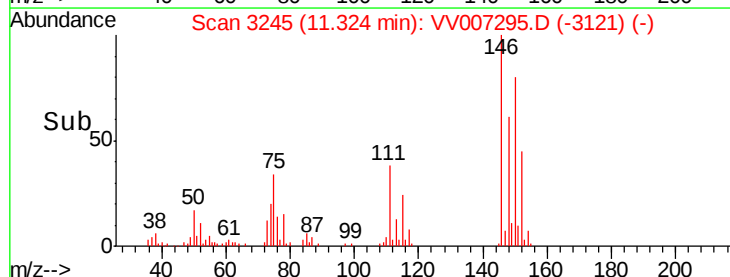
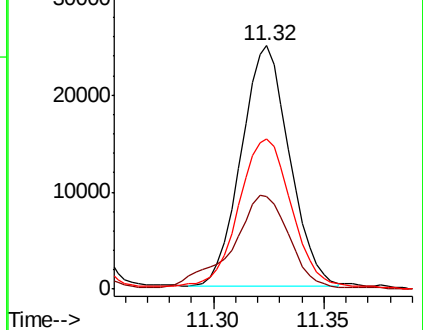
148 61.4 44.2 82.2

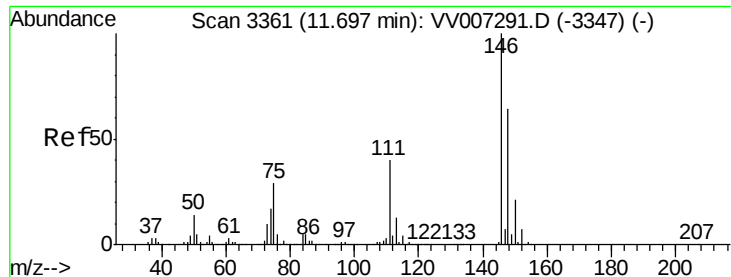


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.164 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

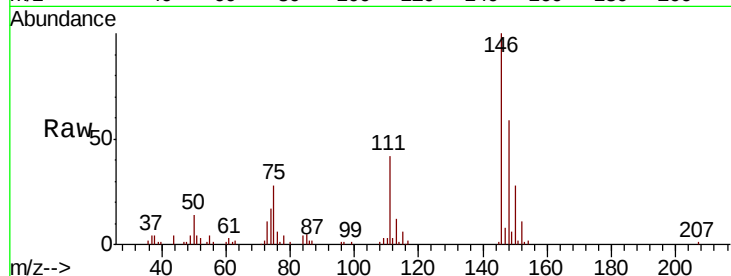
Tgt Ion:146 Resp: 38466

Ion Ratio Lower Upper

146 100

111 41.7 32.2 48.2

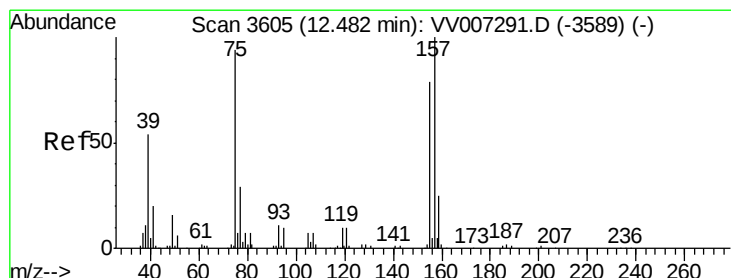
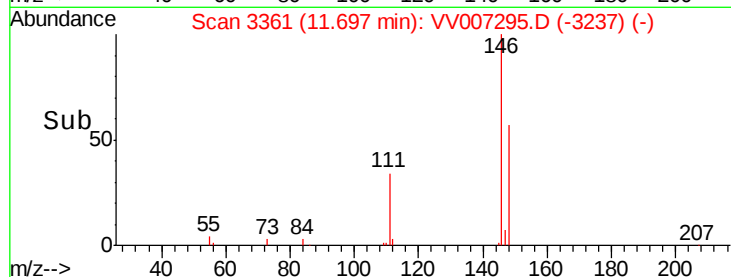
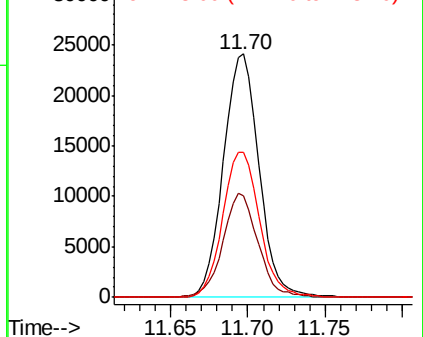
148 59.4 51.1 76.7



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: 6.138 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

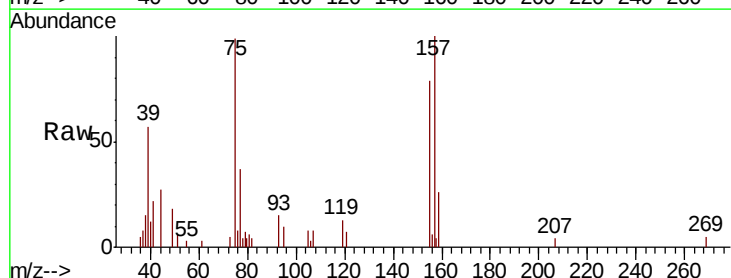
Tgt Ion: 75 Resp: 6670

Ion Ratio Lower Upper

75 100

155 79.3 67.1 100.7

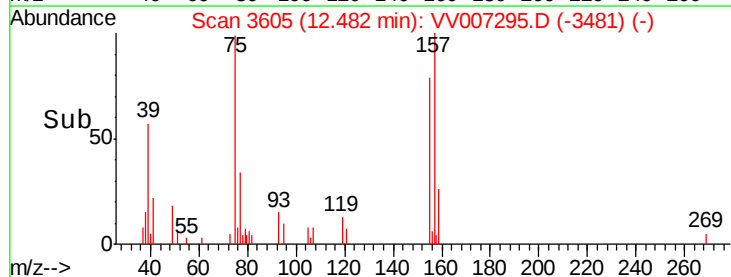
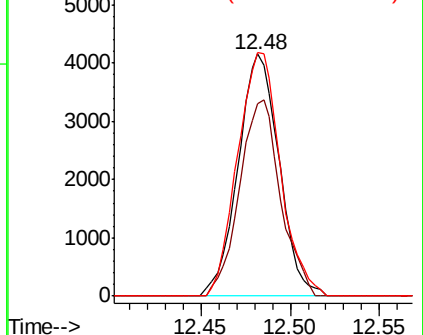
157 100.6 85.4 128.2

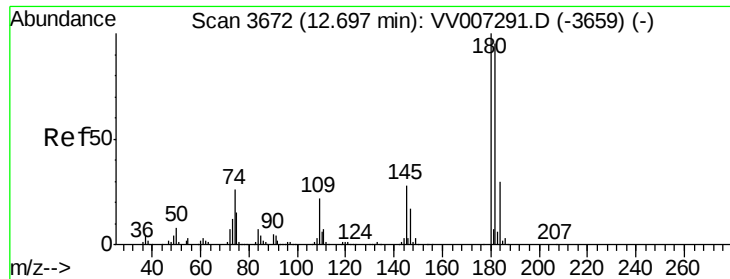


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

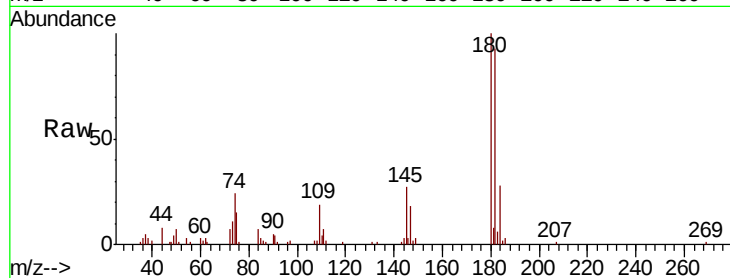




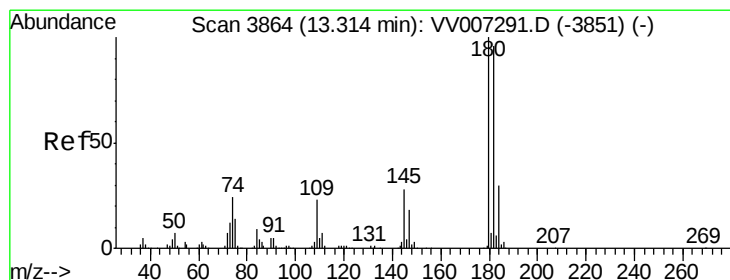
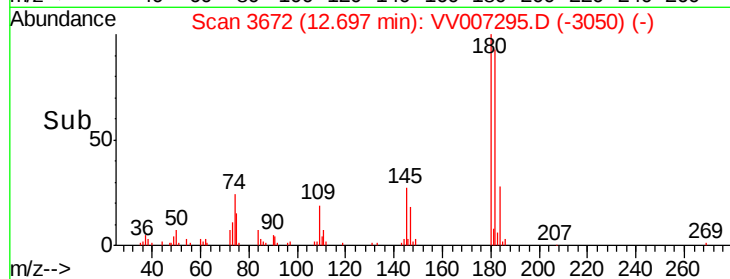
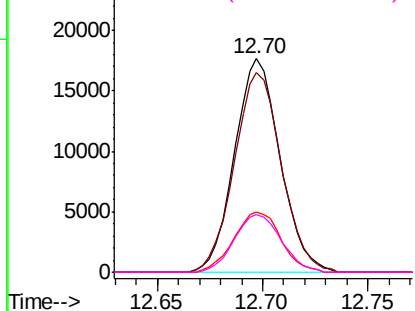
#67
 1,3,5-Trichlorobenzene
 Concen: 5.187 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007295.D
 Acq: 31 Aug 2018 12:15

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion:	180	Resp:	26453
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.9	115.3
184	29.4	24.1	36.1
145	28.0	22.3	33.5

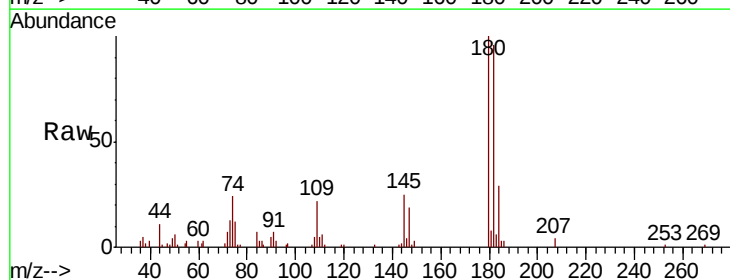


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

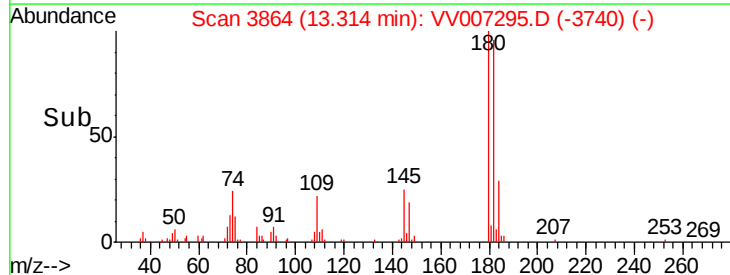
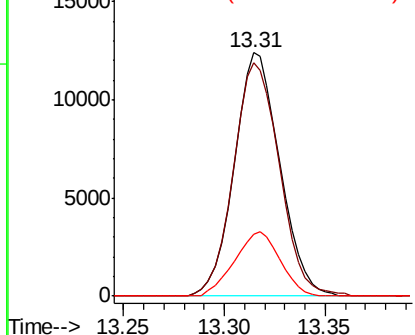


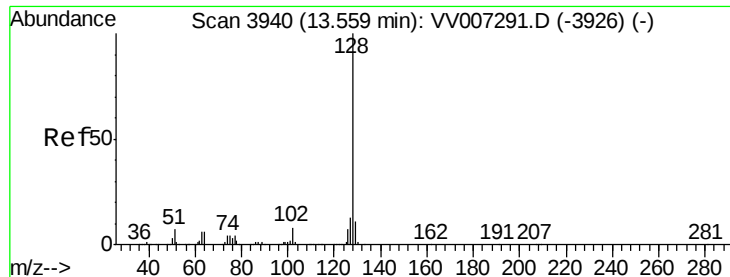
#68
 1,2,4-trichlorobenzene
 Concen: 5.034 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007295.D
 Acq: 31 Aug 2018 12:15

Tgt Ion:	180	Resp:	19538
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.2	115.8
145	26.6	22.8	34.2



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





#69

Naphthalene

Concen: 3.970 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

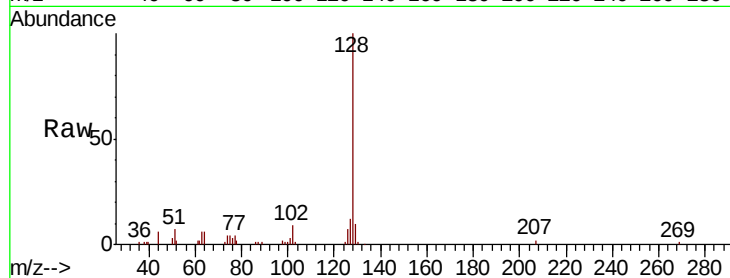
Tgt Ion:128 Resp: 43312

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

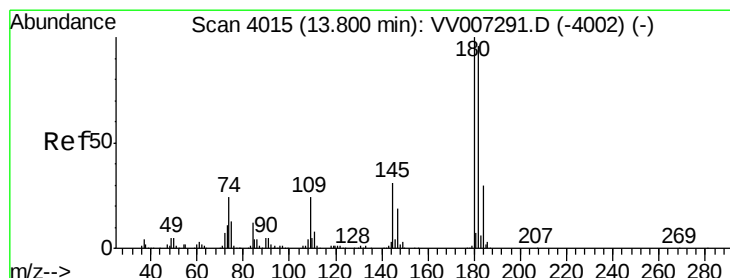
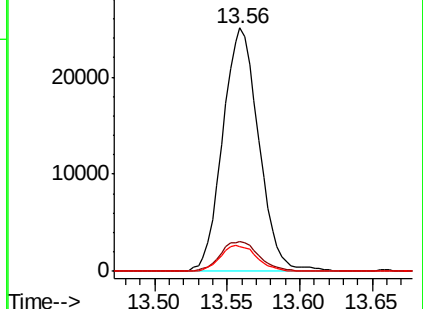
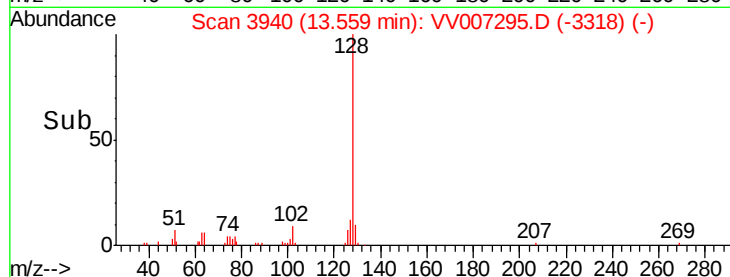
129 10.8 8.6 13.0



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: 4.918 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007295.D

Acq: 31 Aug 2018 12:15

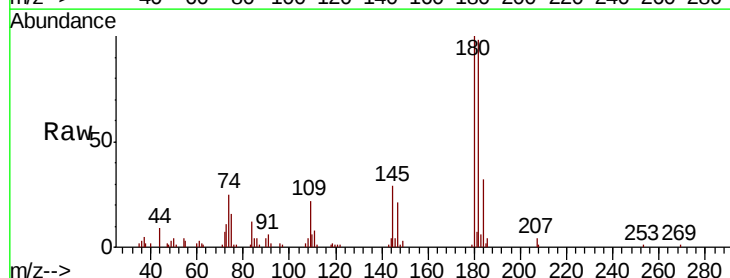
Tgt Ion:180 Resp: 20657

Ion Ratio Lower Upper

180 100

182 97.5 76.1 114.1

145 30.4 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

