

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007897.D
 Acq On : 27 Sep 2018 09:41
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 00:36:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 07:04:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	115685	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	110701	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	60482	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30696	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.59	69	27060	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.14	63	70119	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.96	46	88510	47.45	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.90%
24) Chloroform-d	4.41	84	72230	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.09	65	37303	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	137027	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.12	67	43173	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	142303	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.67	79	16723	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	69460	48.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	32104	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	58210	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	49241	5.075	ug/L 100
3) Chloromethane	1.25	50	44097	5.108	ug/L 98
5) Vinyl chloride	1.33	62	46443	5.025	ug/L 97
6) Bromomethane	1.54	94	29104	5.105	ug/L 96
8) Chloroethane	1.60	64	28625	5.136	ug/L 98
9) Trichlorofluoromethane	1.78	101	76300	5.057	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	44756	5.230	ug/L 98
12) 1,1-Dichloroethene	2.15	96	37937	4.961	ug/L 93
13) Acetone	2.22	43	64201	47.238	ug/L 98
14) Carbon disulfide	2.32	76	105848	5.106	ug/L 99
15) Methyl Acetate	2.47	43	16103	4.633	ug/L 94
16) Methylene chloride	2.54	84	40843	4.807	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	91591	4.848	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	42232	5.010	ug/L 98
19) 1,1-Dichloroethane	3.23	63	69953	4.864	ug/L 99
21) 2-Butanone	4.05	43	101781	47.005	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	44034	5.159	ug/L 95

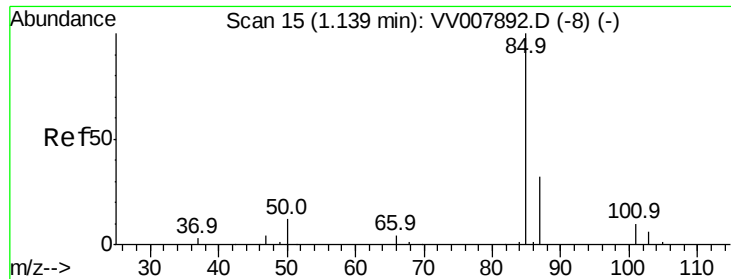
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	19295	5.198	ug/L	94
25) Chloroform	4.43	83	78678	5.058	ug/L	97
27) 1,2-Dichloroethane	5.19	62	50210	5.016	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	70656	5.308	ug/L	99
30) Cyclohexane	4.73	56	65508	5.235	ug/L	99
31) Carbon tetrachloride	4.88	117	63723	5.430	ug/L	97
33) Benzene	5.15	78	167484	5.284	ug/L	100
34) Trichloroethene	5.96	95	45350	4.996	ug/L	93
35) Methylcyclohexane	6.18	83	72408	5.320	ug/L	99
37) 1,2-Dichloropropane	6.23	63	43214	5.336	ug/L	99
38) Bromodichloromethane	6.56	83	52032	5.374	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	58754	5.424	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	250422	49.269	ug/L	99
42) Toluene	7.43	91	186700	5.408	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	48796	5.419	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	29273	5.009	ug/L	99
47) Tetrachloroethene	8.02	164	44356	5.274	ug/L	98
48) 2-Hexanone	8.19	43	179932	50.899	ug/L	99
49) Dibromochloromethane	8.29	129	36789	5.514	ug/L	98
50) 1,2-Dibromoethane	8.40	107	27536	5.155	ug/L	98
51) Chlorobenzene	8.93	112	126491	5.305	ug/L	99
52) Ethylbenzene	9.06	91	204690	5.315	ug/L	98
53) m,p-xylene	9.18	106	79682	5.434	ug/L	99
54) o-xylene	9.59	106	76118	5.374	ug/L	99
55) Styrene	9.61	104	131296	5.428	ug/L	98
56) Isopropylbenzene	9.98	105	210069	5.476	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	34312	4.999	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	25607	5.082	ug/L	96
61) Bromoform	9.78	173	20108	5.536	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	105459	5.282	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	105372	5.075	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	97799	5.196	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	5105	5.324	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	90349	5.285	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	74128	5.130	ug/L	98
69) Naphthalene	13.56	128	97922	4.845	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	67338	5.146	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.075 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

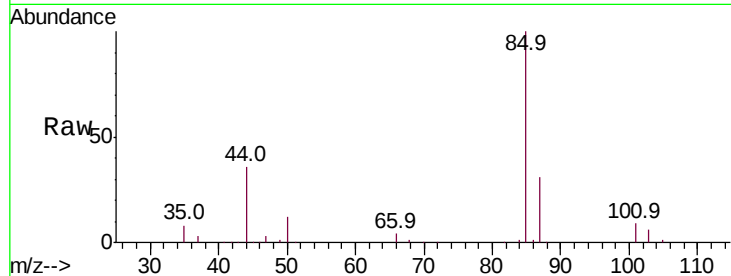
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 49241

Ion Ratio Lower Upper

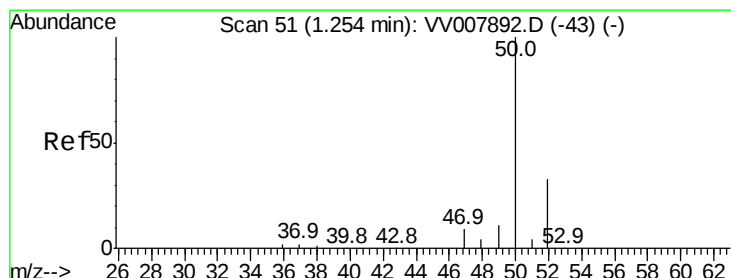
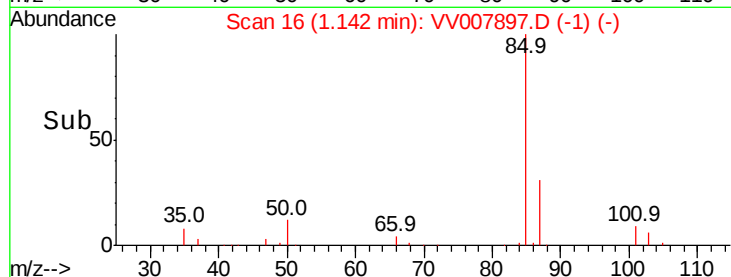
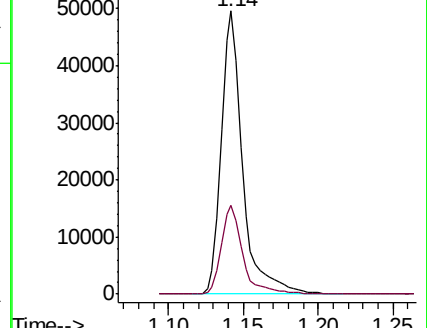
85 100

87 31.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007897.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007897.D (-8) (-)



#3

Chloromethane

Concen: 5.108 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007897.D

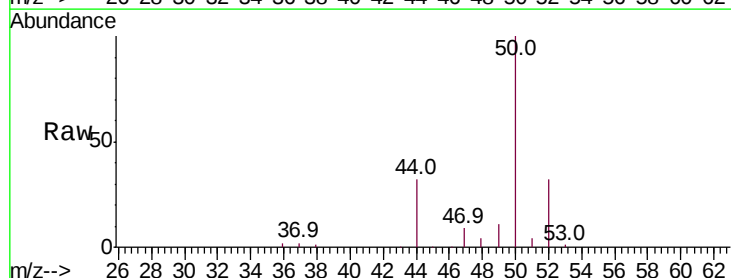
Acq: 27 Sep 2018 09:41

Tgt Ion: 50 Resp: 44097

Ion Ratio Lower Upper

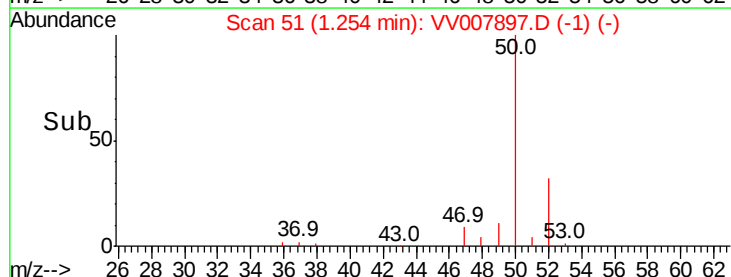
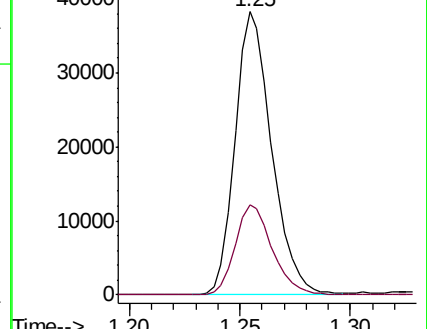
50 100

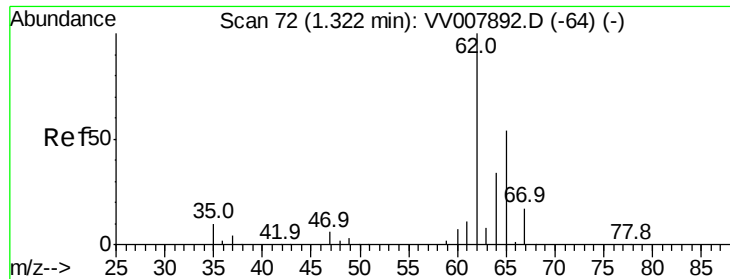
52 32.0 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007897.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007897.D (-43) (-)





#5

Vinyl chloride

Concen: 5.025 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

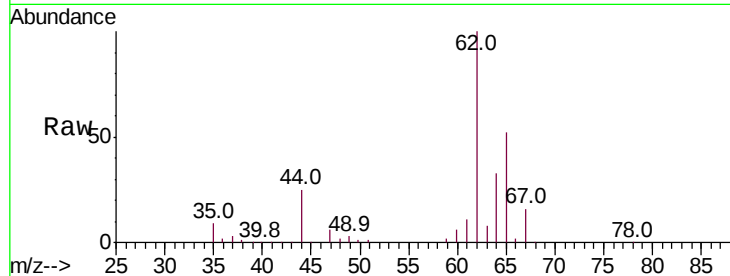
ClientSampled :

Tot Ion: 62 Resp: 46443

Ion Ratio Lower Upper

62 100

64 32.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007892.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007892.D (-64) (-)

1.33

50000

40000

30000

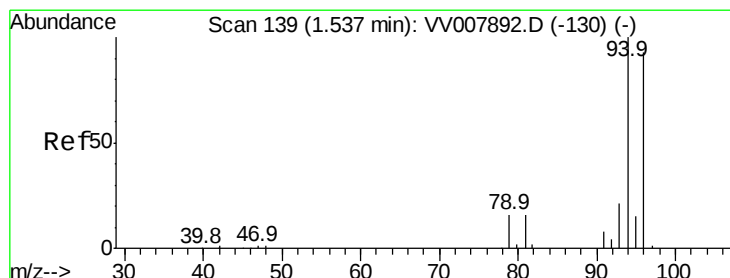
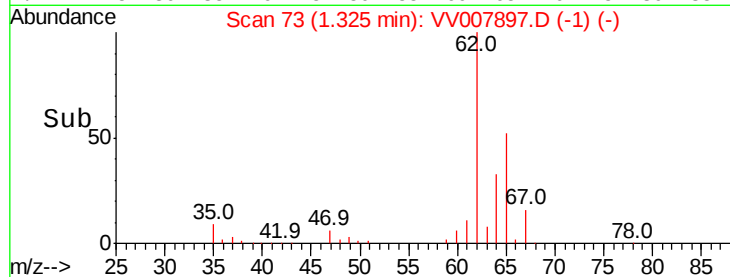
20000

10000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 5.105 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007897.D

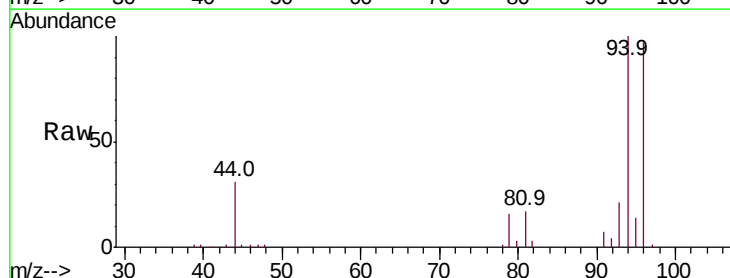
Acq: 27 Sep 2018 09:41

Tgt Ion: 94 Resp: 29104

Ion Ratio Lower Upper

94 100

96 96.9 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007892.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007892.D (-130) (-)

1.54

30000

25000

20000

15000

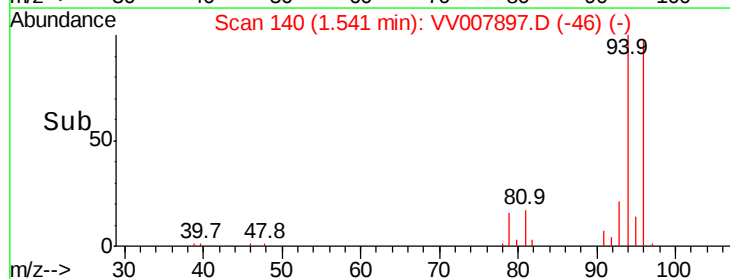
10000

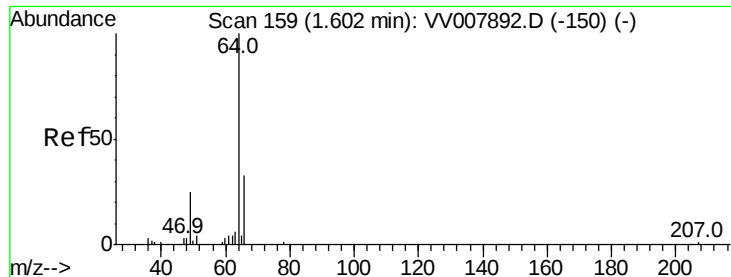
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.136 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

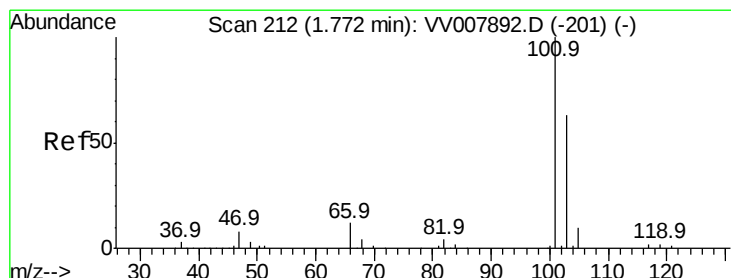
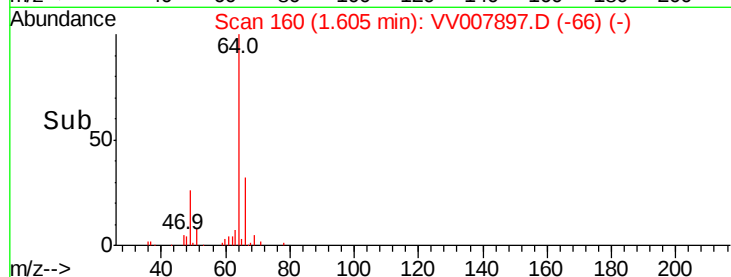
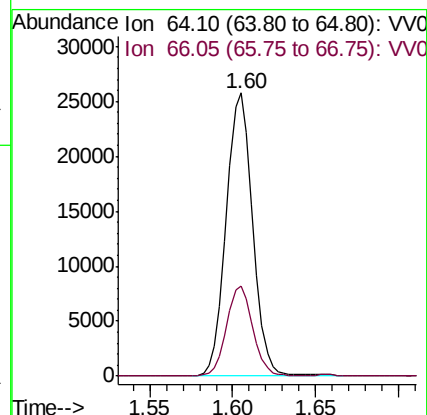
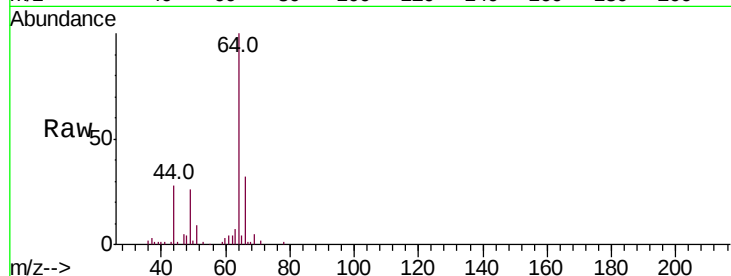
ClientSampleId :

Tot Ion: 64 Resp: 28625

Ion Ratio Lower Upper

64 100

66 31.9 23.1 42.9



#9

Trichlorofluoromethane

Concen: 5.057 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007897.D

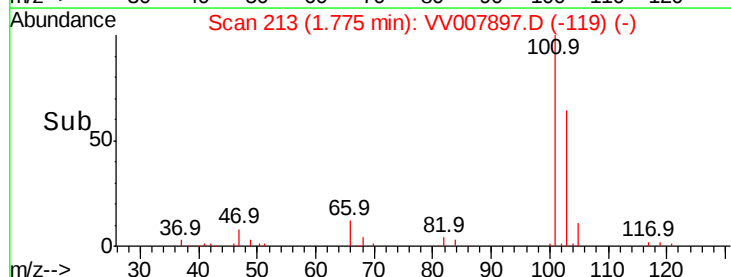
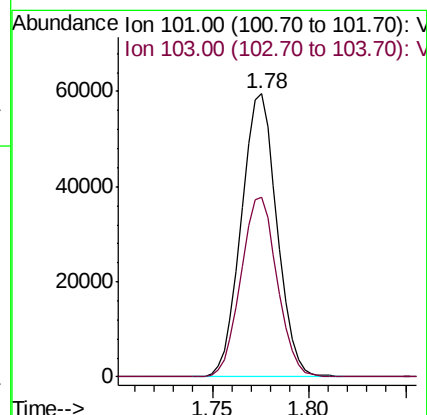
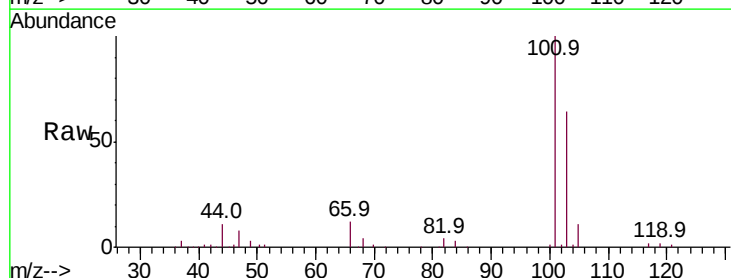
Acq: 27 Sep 2018 09:41

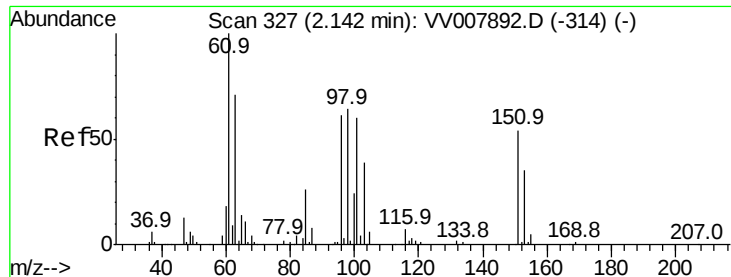
Tgt Ion: 101 Resp: 76300

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3





#10

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

Concen: 5.230 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

ClientSampled :

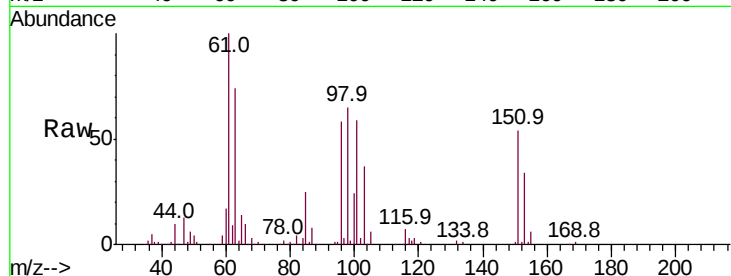
Tot Ion:101 Resp: 44756

Ion Ratio Lower Upper

101 100

85 43.2 34.7 52.1

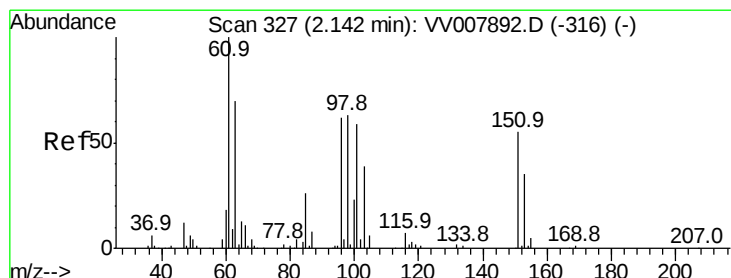
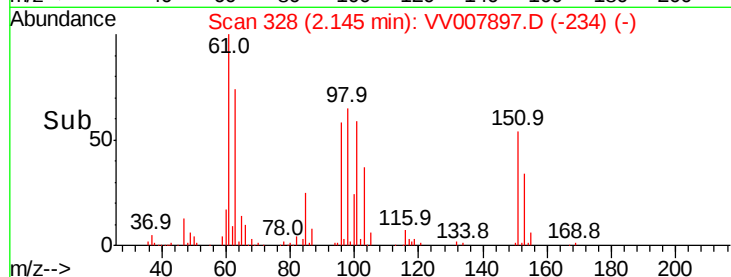
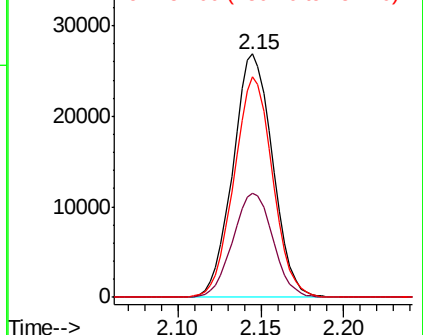
151 87.9 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.961 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

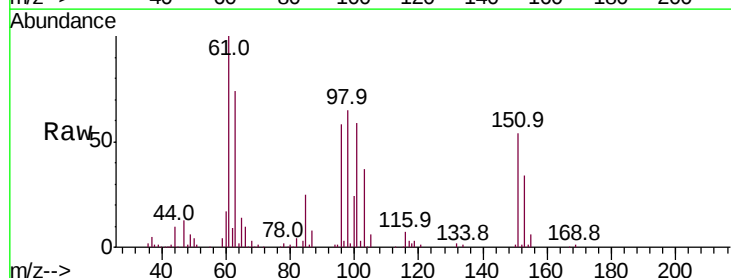
Tgt Ion: 96 Resp: 37937

Ion Ratio Lower Upper

96 100

61 171.1 114.1 211.9

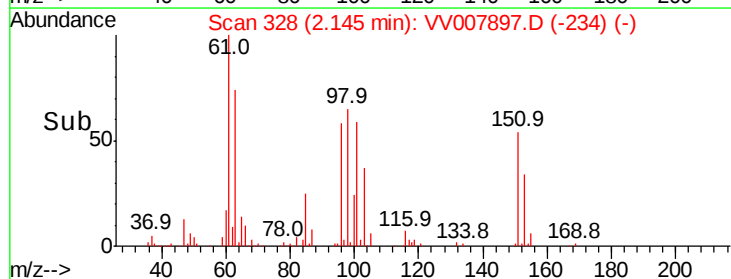
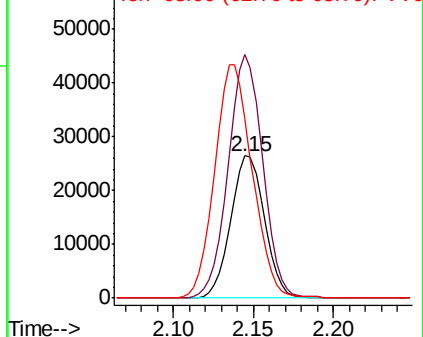
63 125.8 81.5 151.3

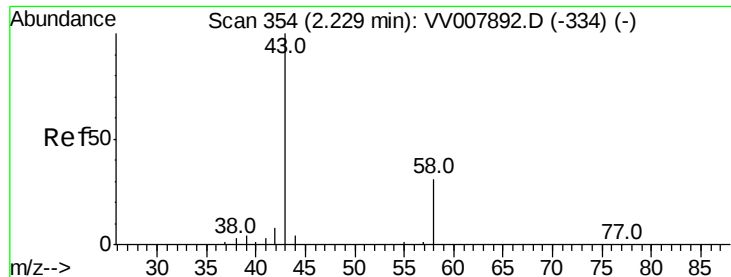


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.238 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

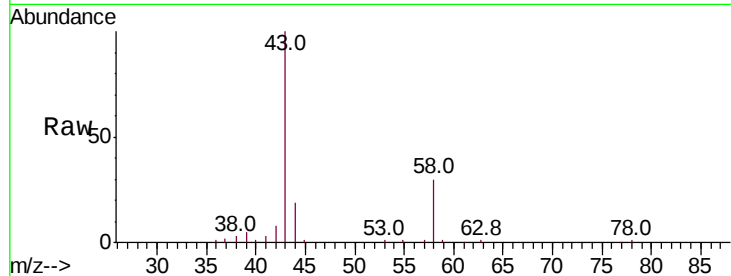
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 64201

Ion Ratio Lower Upper

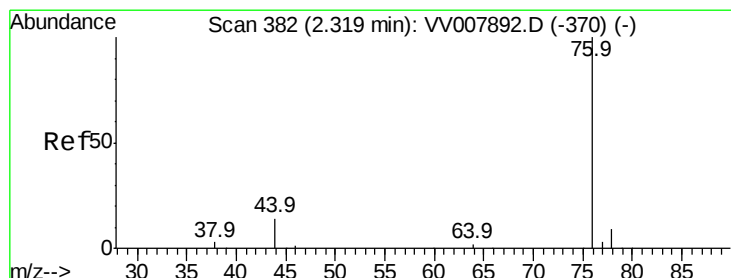
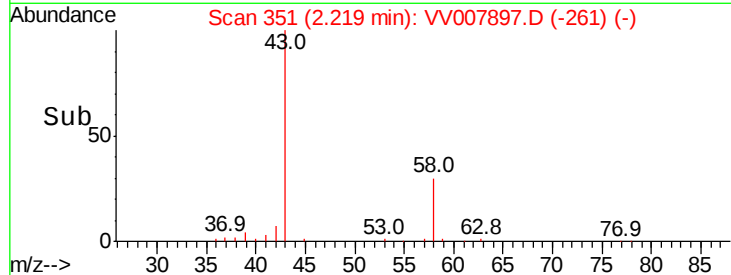
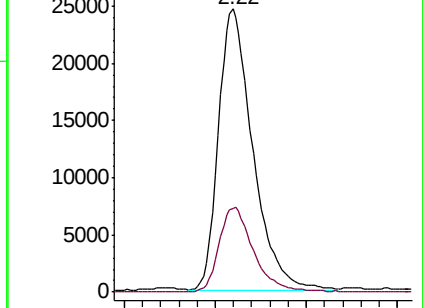
43 100

58 30.2 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007892.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007892.D (-334) (-)



#14

Carbon disulfide

Concen: 5.106 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007897.D

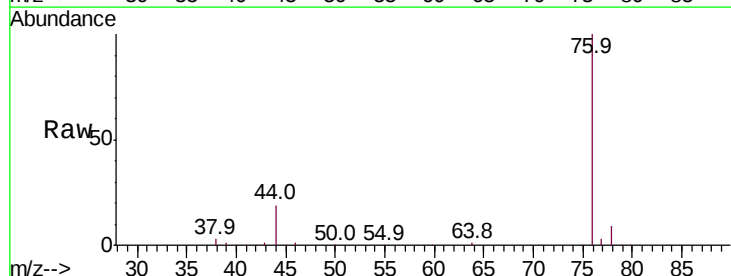
Acq: 27 Sep 2018 09:41

Tgt Ion: 76 Resp: 105848

Ion Ratio Lower Upper

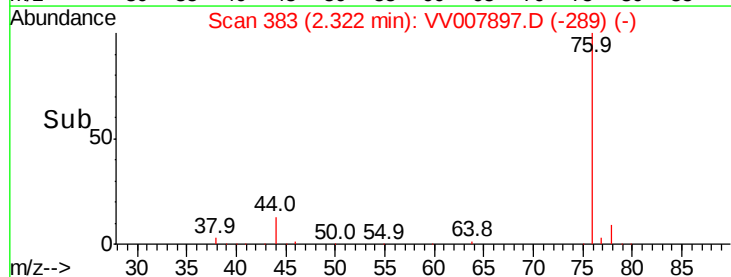
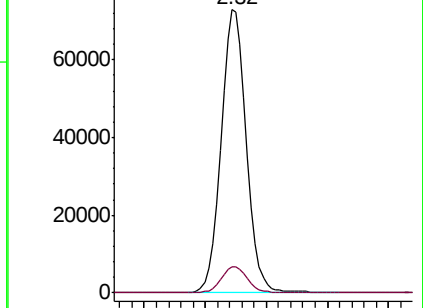
76 100

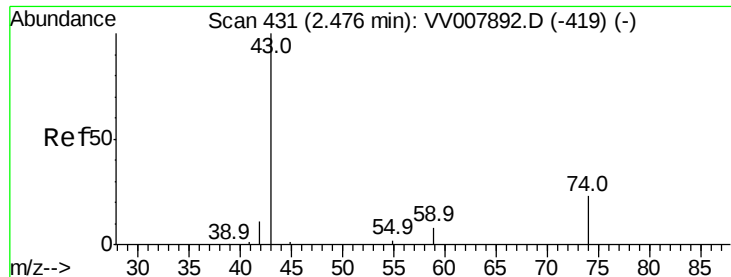
78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007892.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007892.D (-370) (-)

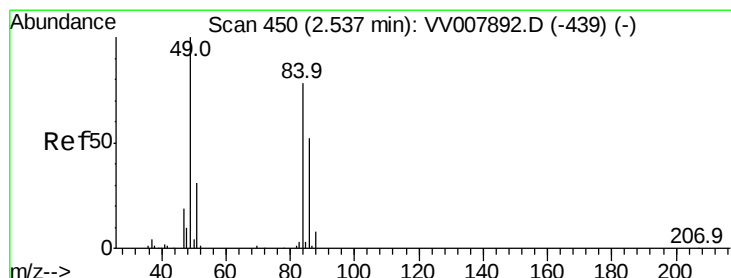
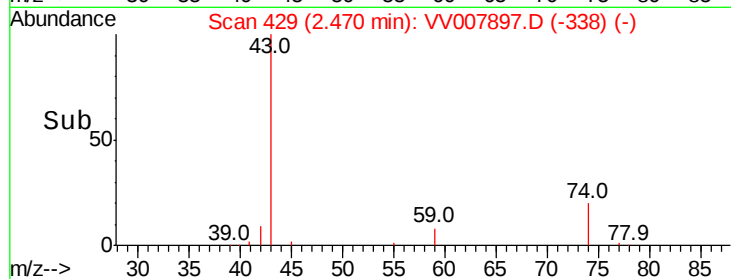
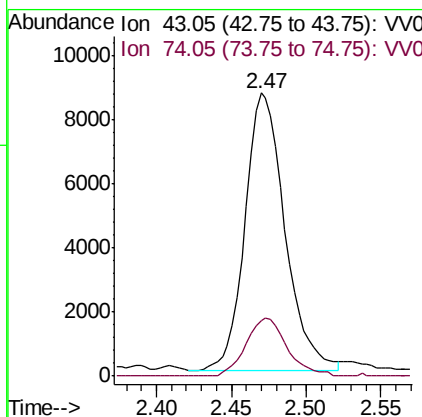
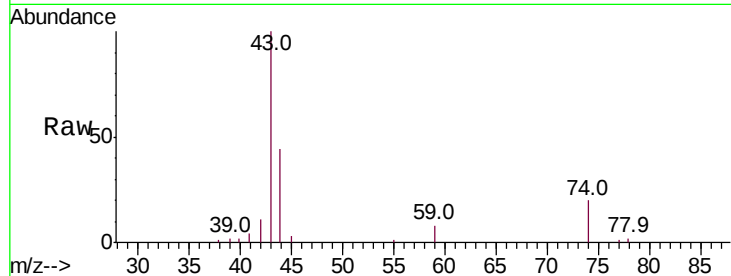




#15
Methvl Acetate
Concen: 4.633 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

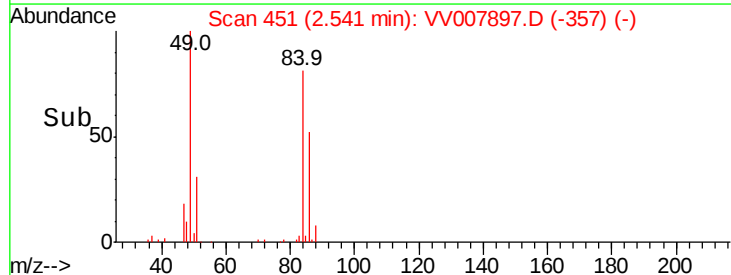
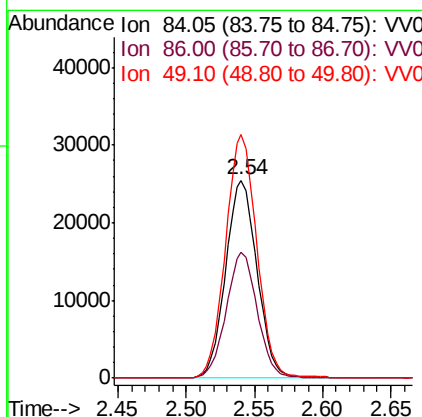
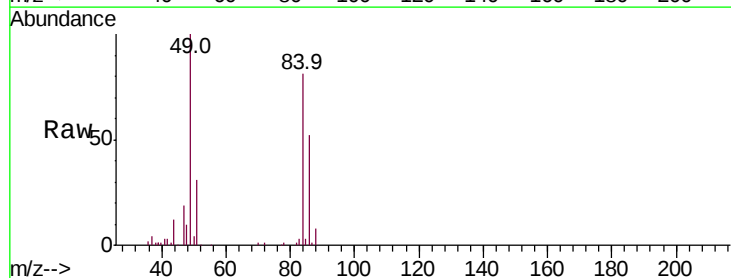
Instrument :
MSVOA_V
ClientSampleId :

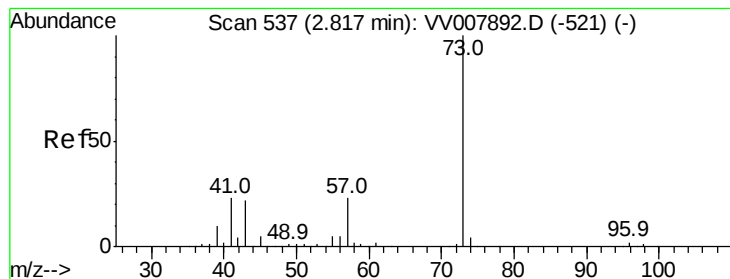
Tot Ion: 43 Resp: 16103
Ion Ratio Lower Upper
43 100
74 21.4 19.5 29.3



#16
Methylene chloride
Concen: 4.807 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion: 84 Resp: 40843
Ion Ratio Lower Upper
84 100
86 63.6 47.3 87.8
49 123.0 90.0 167.2



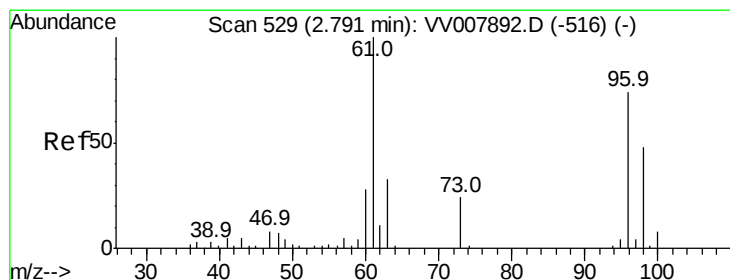
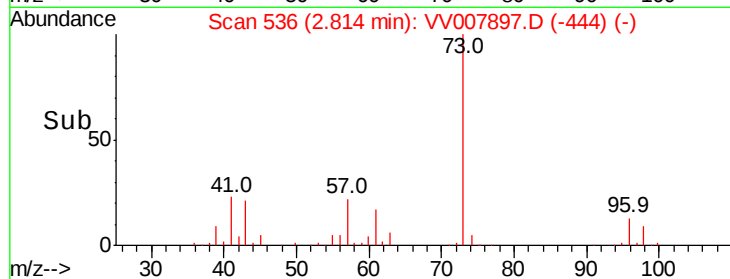
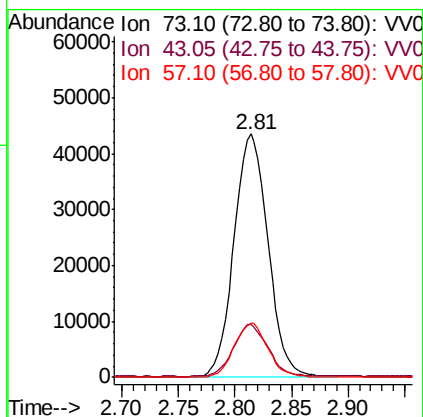
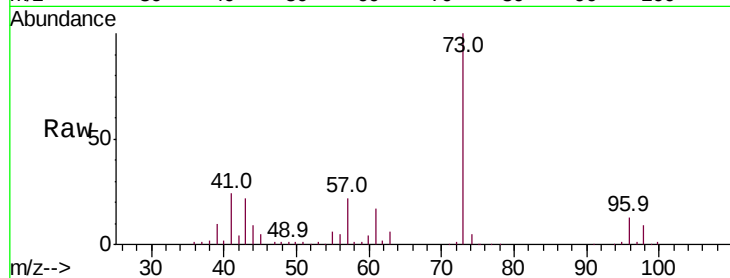


#17

Methvl tert-butvl Ether
 Concen: 4.848 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Instrument :
 MSVOA_V
 ClientSampled :

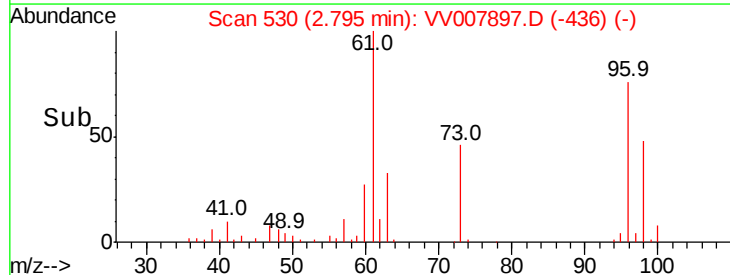
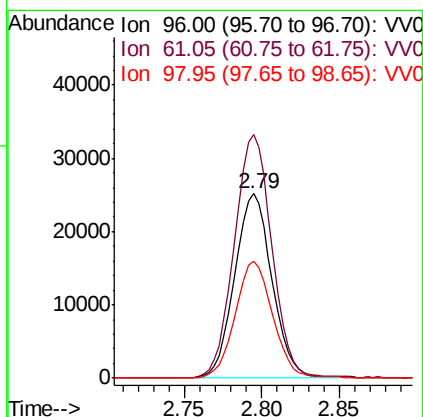
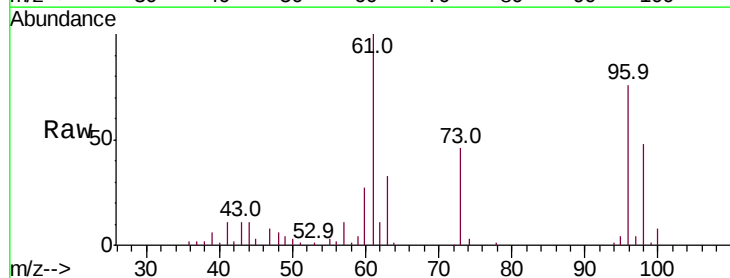
Tot Ion: 73 Resp: 91591
 Ion Ratio Lower Upper
 73 100
 43 21.7 16.8 25.2
 57 22.0 17.6 26.4

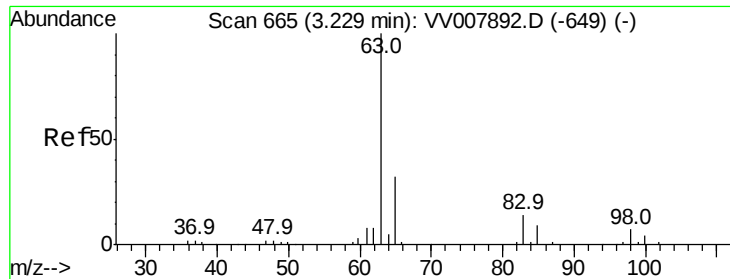


#18

trans-1,2-Dichloroethene
 Concen: 5.010 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Tgt Ion: 96 Resp: 42232
 Ion Ratio Lower Upper
 96 100
 61 131.9 94.2 175.0
 98 63.3 44.9 83.5

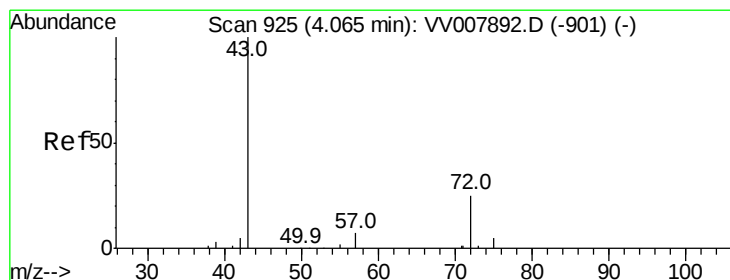
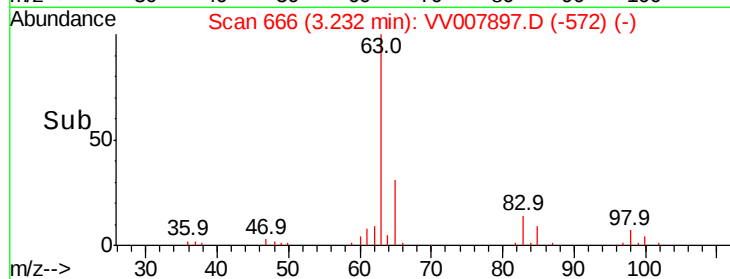
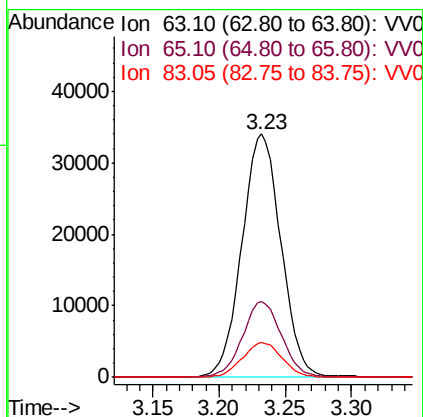
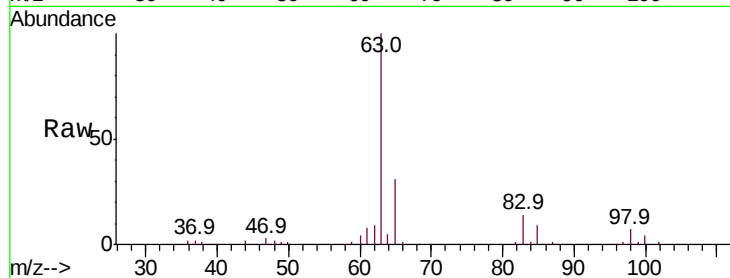




#19
 1,1-Dichloroethane
 Concen: 4.864 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

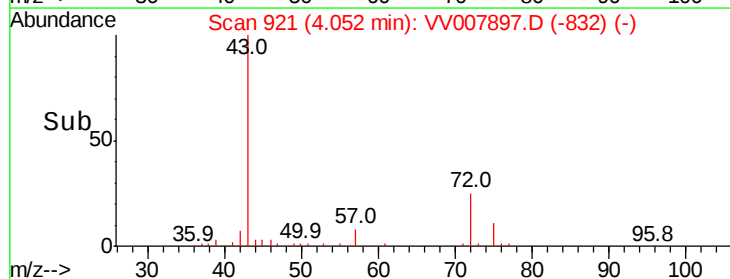
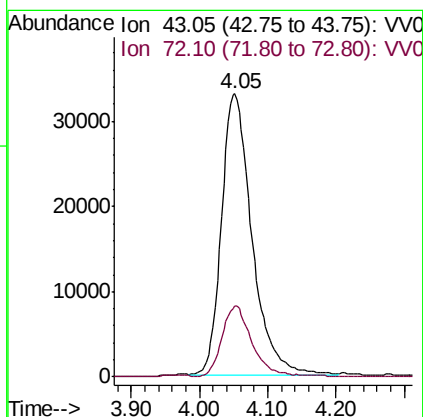
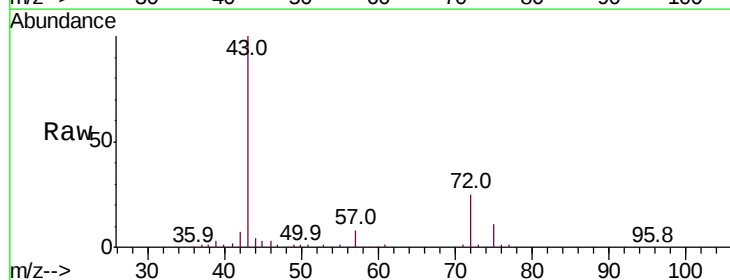
Instrument :
 MSVOA_V
 ClientSampleId :

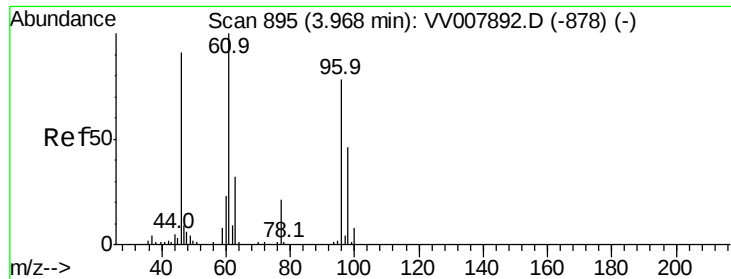
Tot Ion: 63 Resp: 69953
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.5
 83 14.2 9.8 18.2



#21
 2-Butanone
 Concen: 47.005 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Tgt Ion: 43 Resp: 101781
 Ion Ratio Lower Upper
 43 100
 72 24.5 12.5 37.5



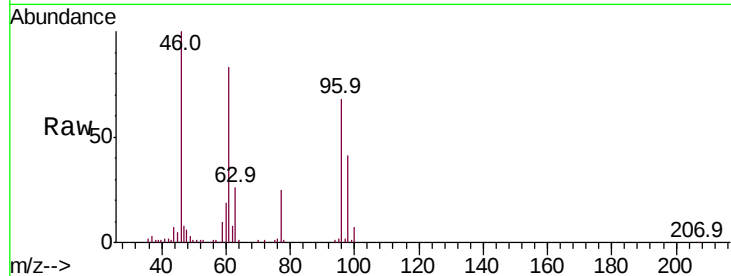


#22

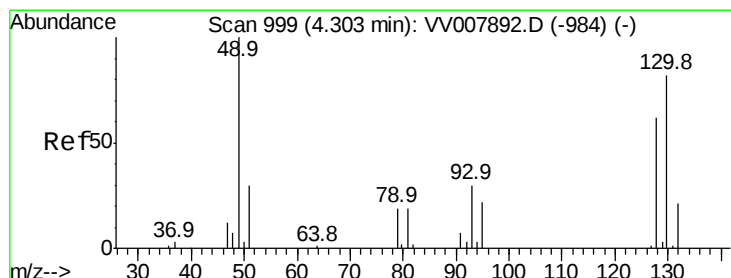
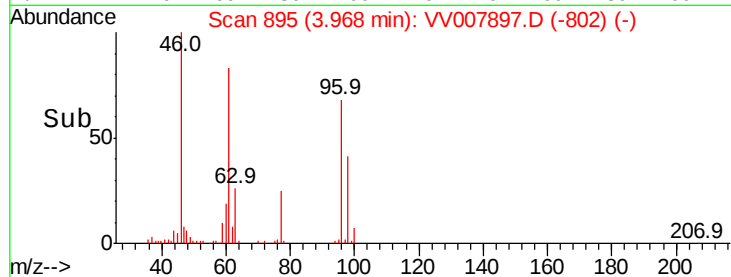
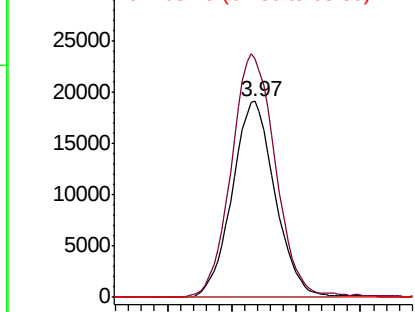
cis-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 44034
Ion Ratio Lower Upper
96 100
61 121.8 89.5 166.1
68 0.0 0.0 0.0



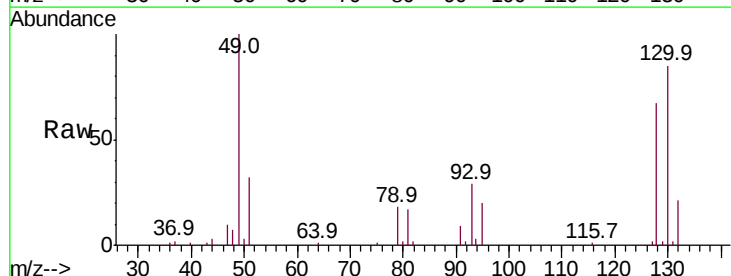
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



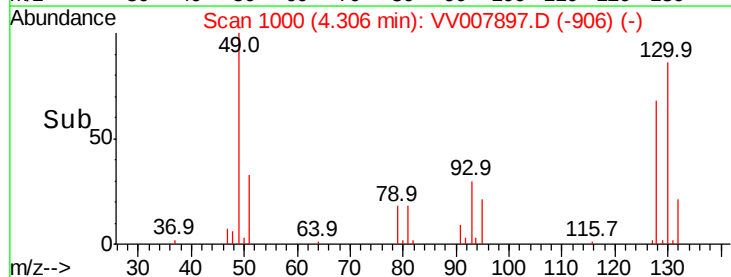
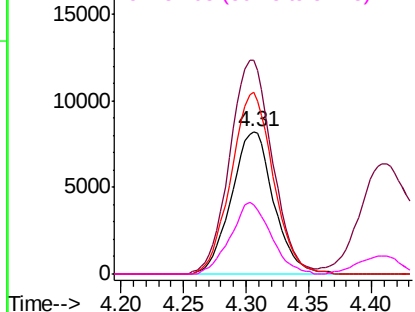
#23

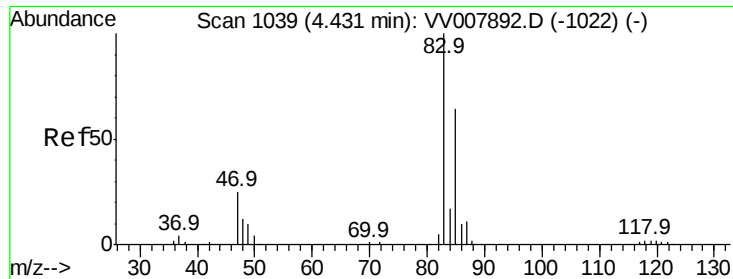
Bromochloromethane
Concen: 5.198 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion: 128 Resp: 19295
Ion Ratio Lower Upper
128 100
49 149.8 112.8 209.4
130 127.6 92.3 171.5
51 48.5 38.4 57.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

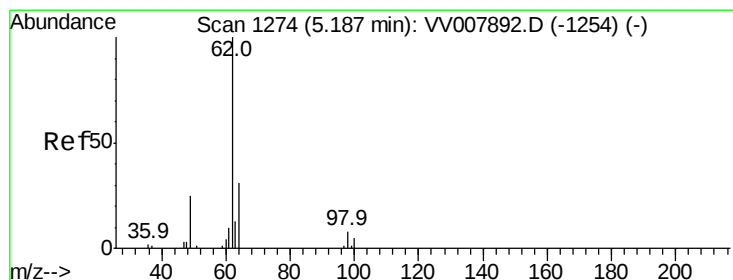
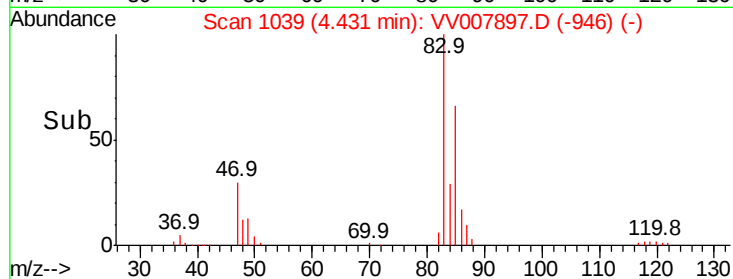
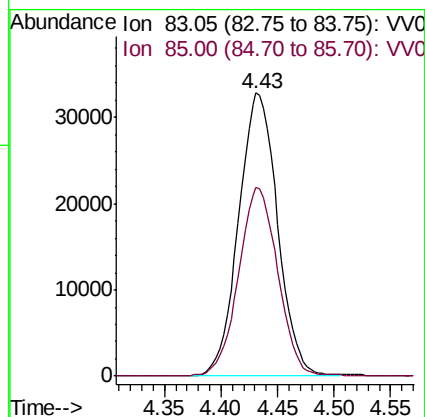
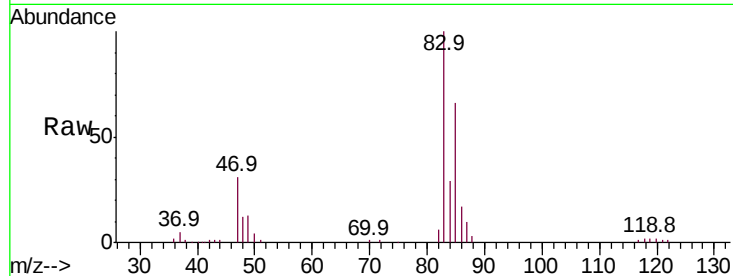




#25
Chloroform
Concen: 5.058 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

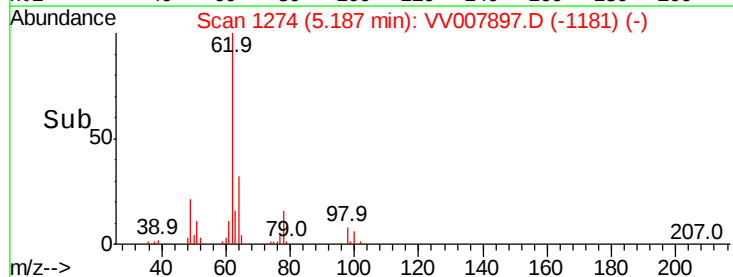
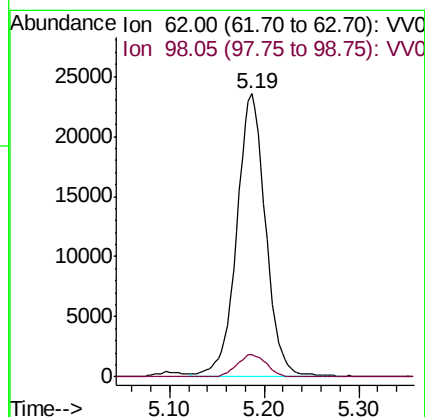
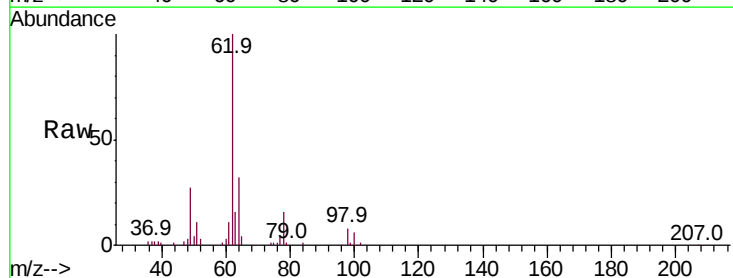
Instrument :
MSVOA_V
ClientSampleId :

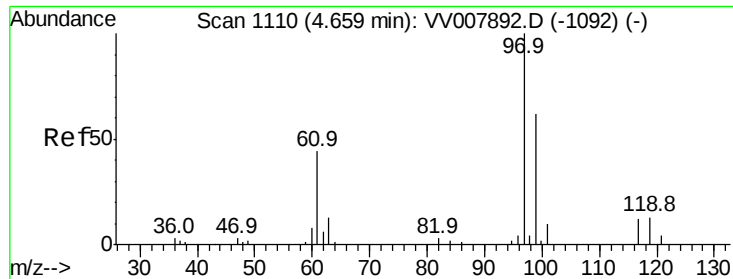
Tot Ion: 83 Resp: 78678
Ion Ratio Lower Upper
83 100
85 66.5 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.016 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion: 62 Resp: 50210
Ion Ratio Lower Upper
62 100
98 7.8 6.6 10.0

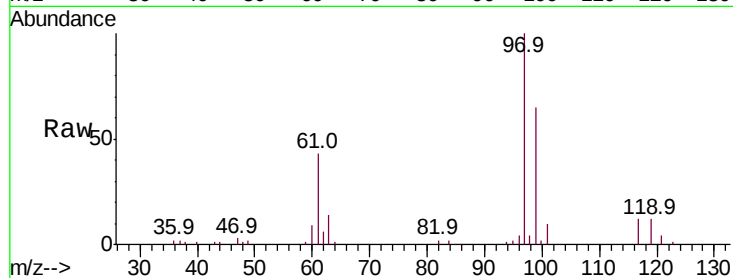




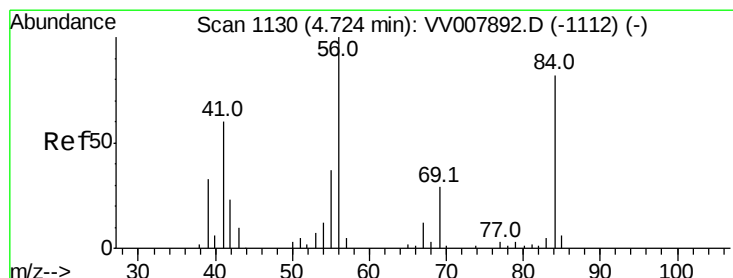
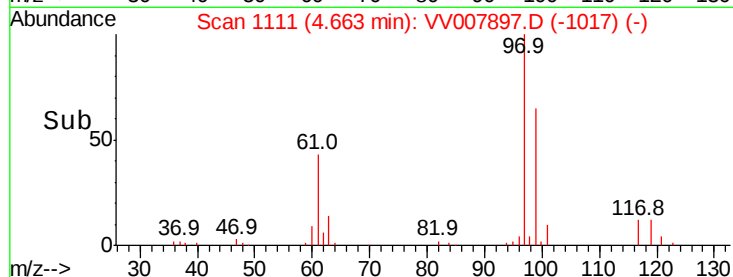
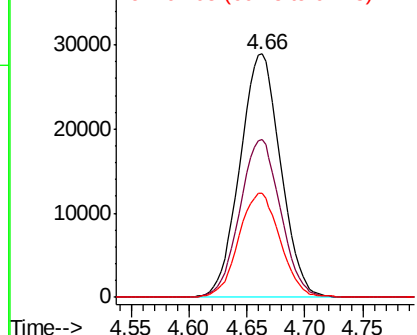
#29
1,1,1-Trichloroethane
Concen: 5.308 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 70656
Ion Ratio Lower Upper
97 100
99 64.9 51.2 76.8
61 43.5 34.6 52.0

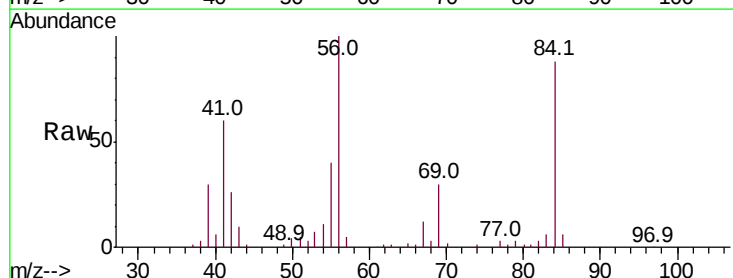


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

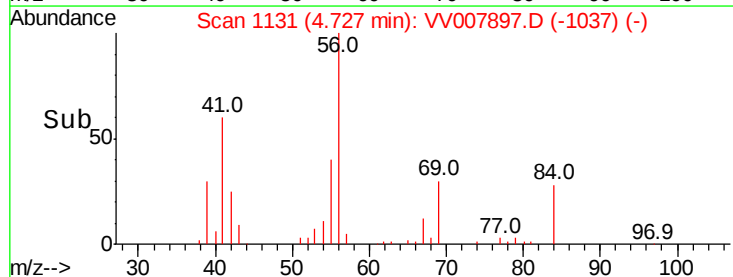
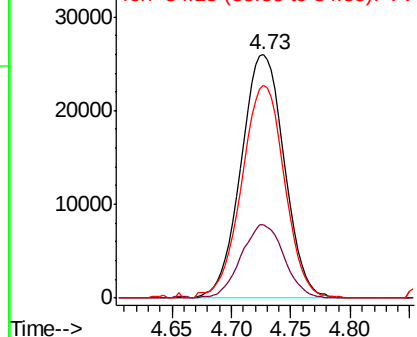


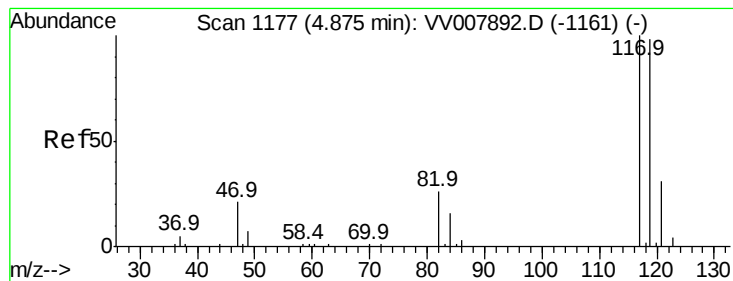
#30
Cyclohexane
Concen: 5.235 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion: 56 Resp: 65508
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.4
84 86.6 69.8 104.8



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.430 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

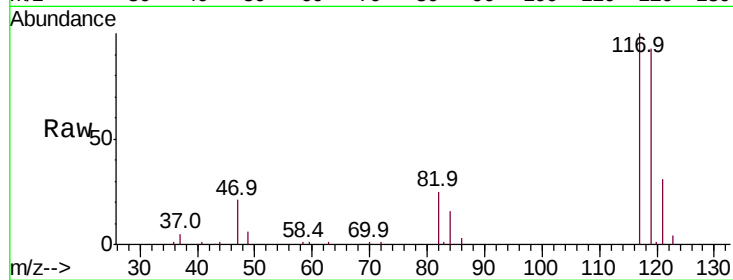
ClientSampleId :

Tot Ion:117 Resp: 63723

Ion Ratio Lower Upper

117 100

119 94.8 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

30000

25000

20000

15000

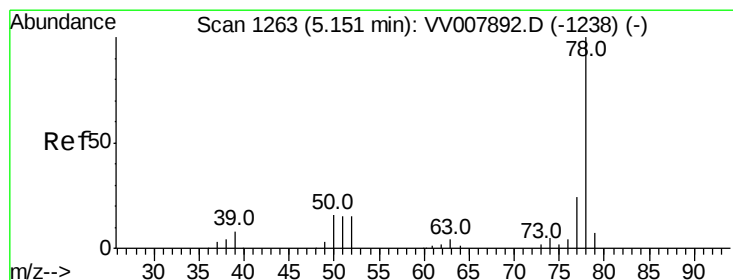
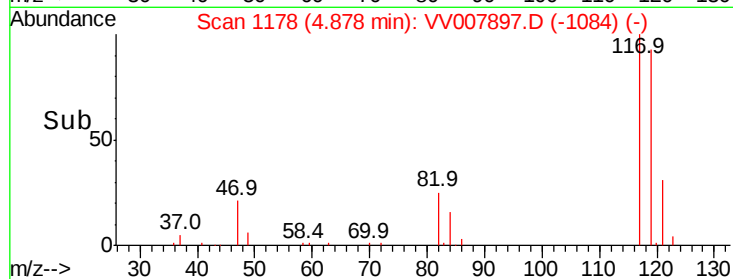
10000

5000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 5.284 ug/L

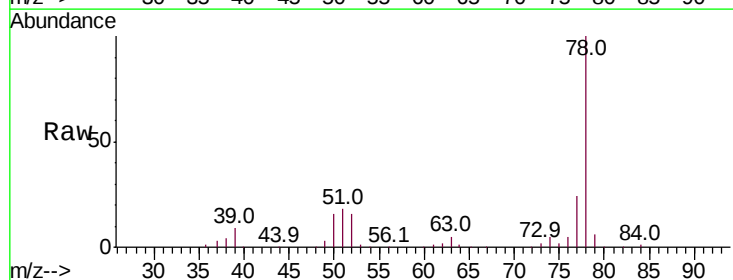
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Tgt Ion: 78 Resp: 167484



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

80000

60000

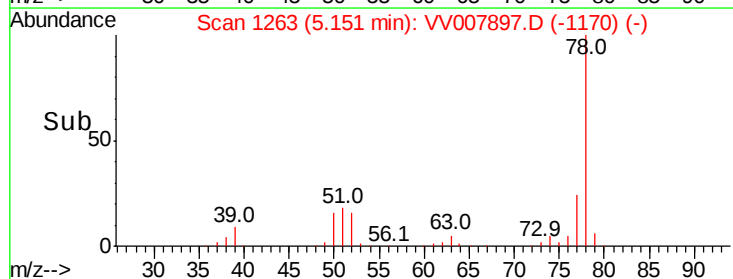
40000

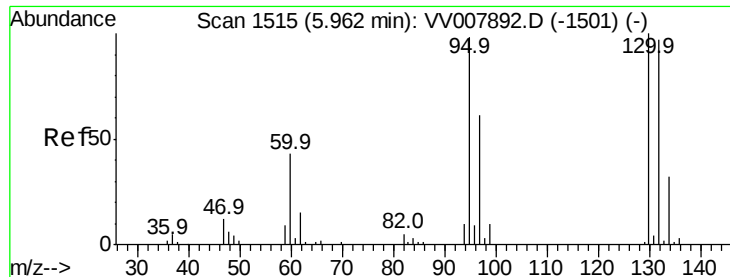
20000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 4.996 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 45350

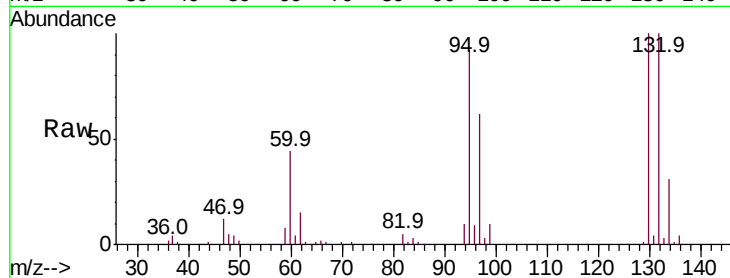
Ion Ratio Lower Upper

95 100

97 67.2 43.6 81.0

132 109.1 69.9 129.9

130 108.8 71.7 133.3

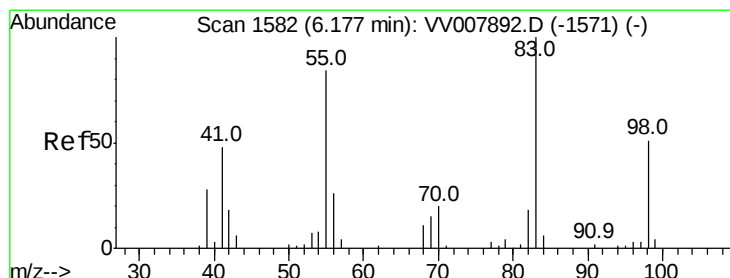
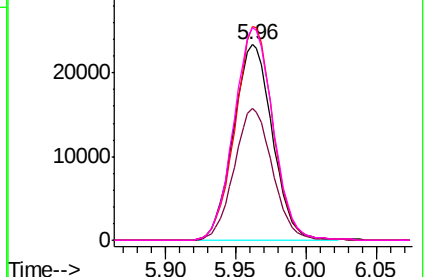
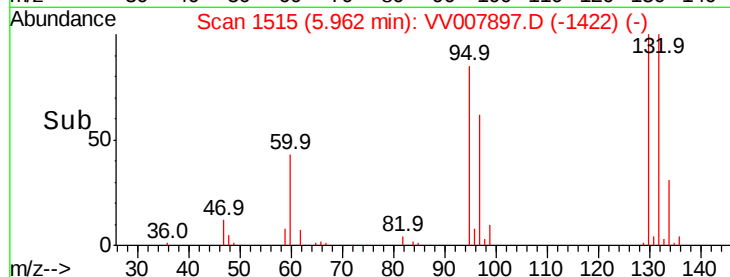


Abundance Ion 95.00 (94.70 to 95.70): VV007897.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV007897.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV007897.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV007897.D (-1422) (-)



#35

Methylcyclohexane

Concen: 5.320 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

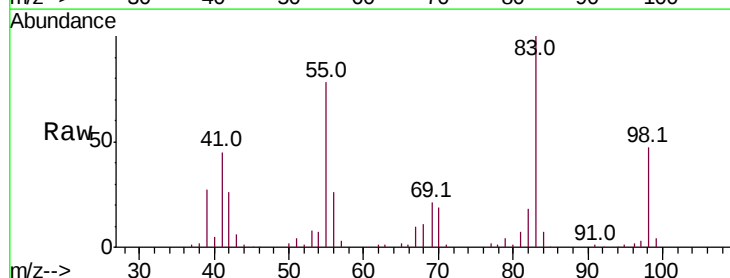
Tgt Ion: 83 Resp: 72408

Ion Ratio Lower Upper

83 100

55 78.3 62.2 93.2

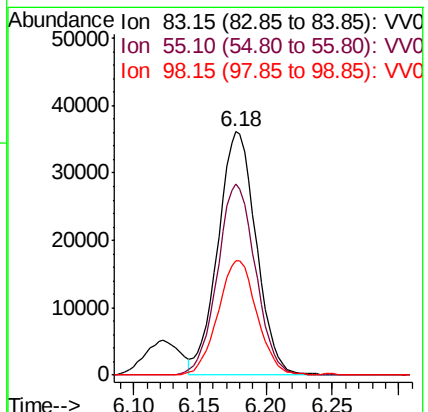
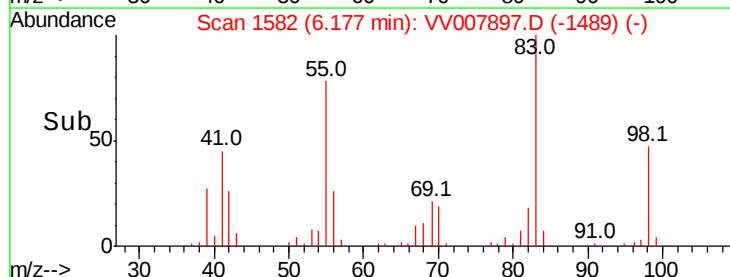
98 48.0 38.0 57.0

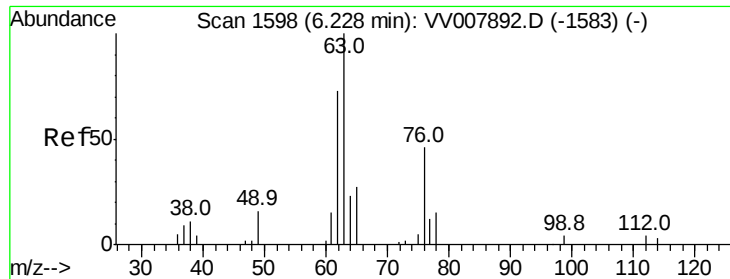


Abundance Ion 83.15 (82.85 to 83.85): VV007897.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV007897.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV007897.D (-1489) (-)





#37

1,2-Dichloropropane

Concen: 5.336 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

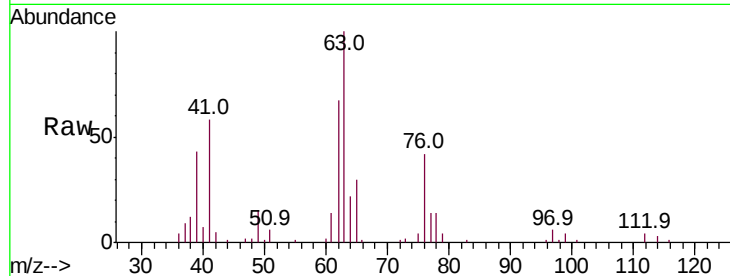
ClientSampleId :

Tot Ion: 63 Resp: 43214

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV007897.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV007897.D (-1583) (-)

6.23

25000

20000

15000

10000

5000

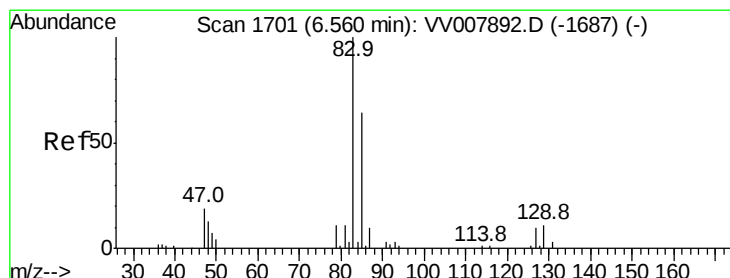
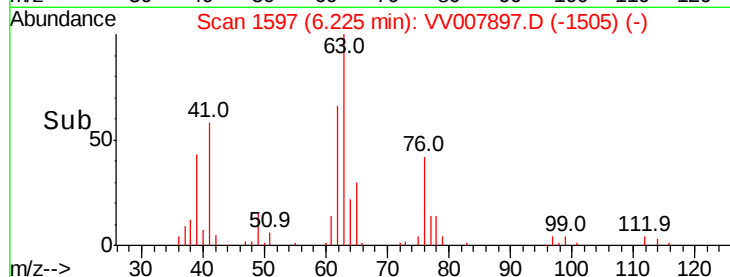
0

6.10

6.20

6.30

Time-->



#38

Bromodichloromethane

Concen: 5.374 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

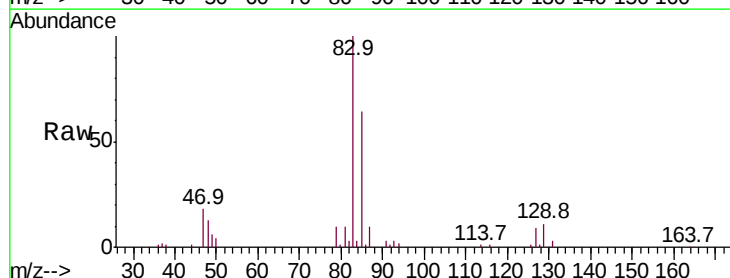
Tgt Ion: 83 Resp: 52032

Ion Ratio Lower Upper

83 100

85 64.5 44.7 82.9

127 8.6 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV007897.D (-1687) (-)

Ion 85.00 (84.70 to 85.70): VV007897.D (-1687) (-)

Ion 126.90 (126.60 to 127.60): VV007897.D (-1687) (-)

6.56

40000

30000

20000

10000

0

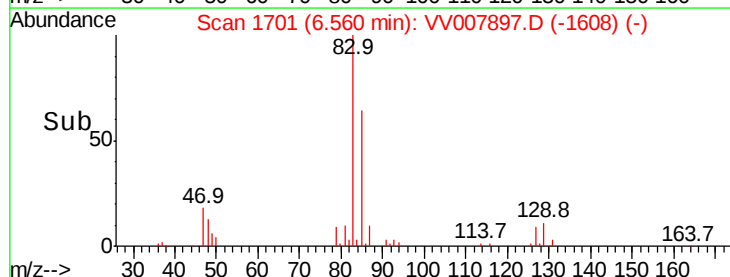
6.50

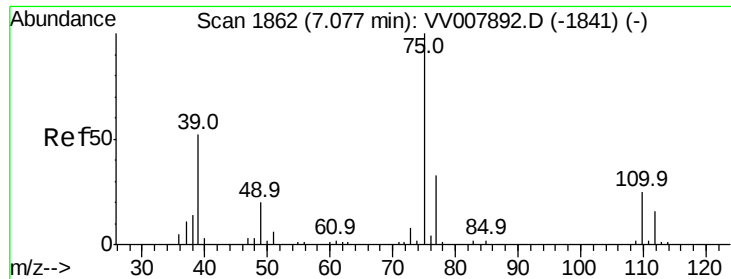
6.55

6.60

6.65

Time-->

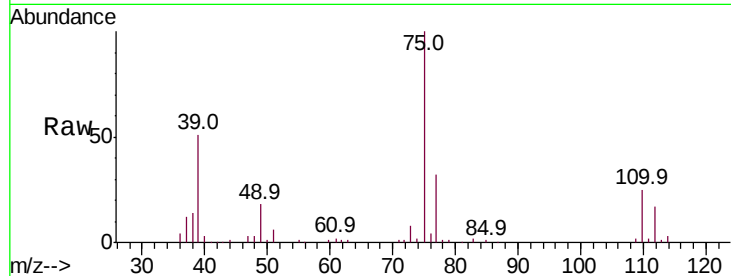




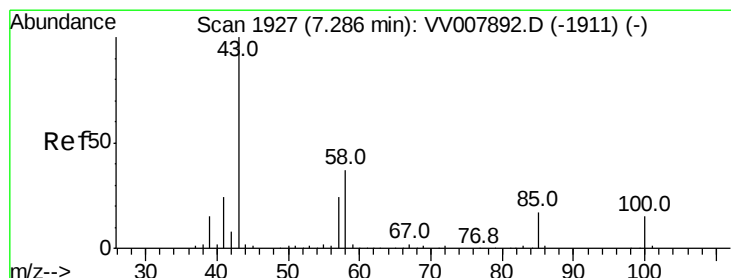
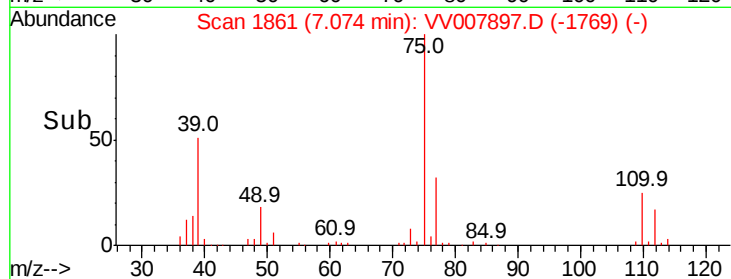
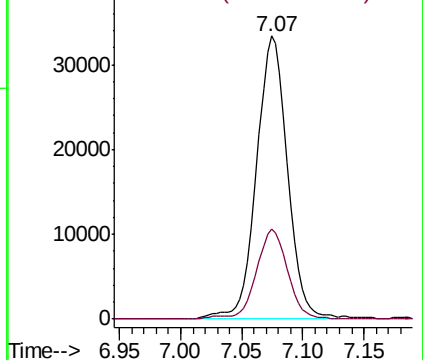
#39
 cis-1,3-Dichloropropene
 Concen: 5.424 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 58754
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.9 42.5

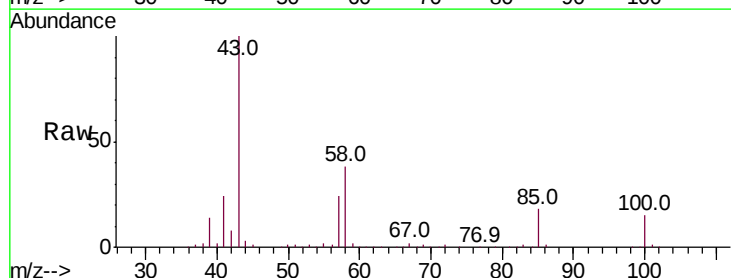


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

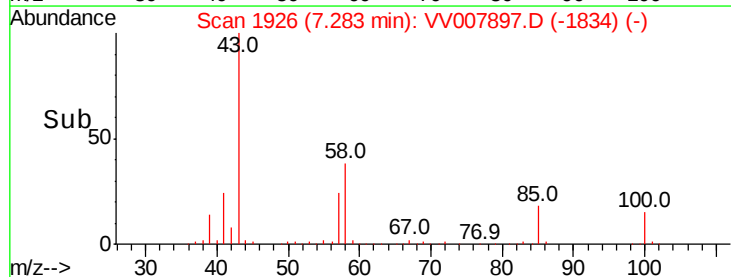
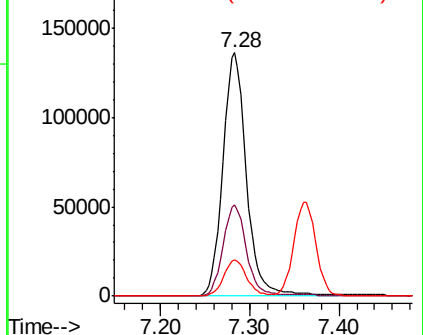


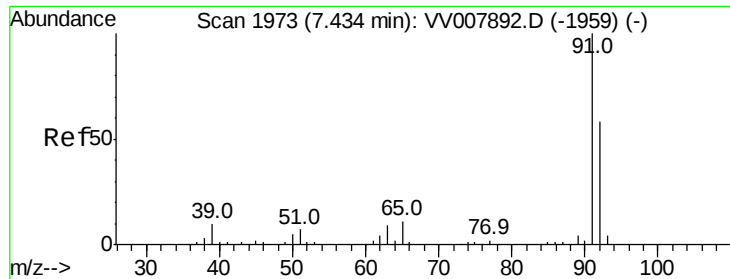
#40
 4-Methyl-2-pentanone
 Concen: 49.269 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Tgt Ion: 43 Resp: 250422
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.4 44.0
 100 14.6 11.5 17.3



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.408 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

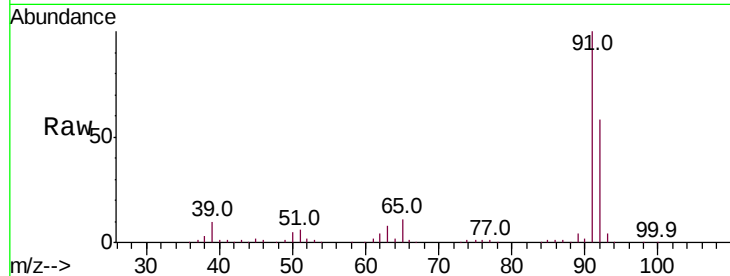
ClientSampled :

Tot Ion: 91 Resp: 186700

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007897.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007897.D (-1959) (-)

7.43

120000

100000

80000

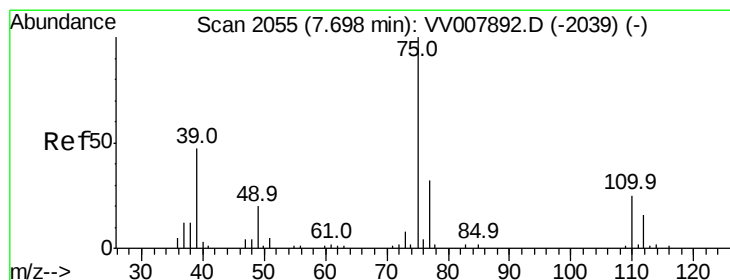
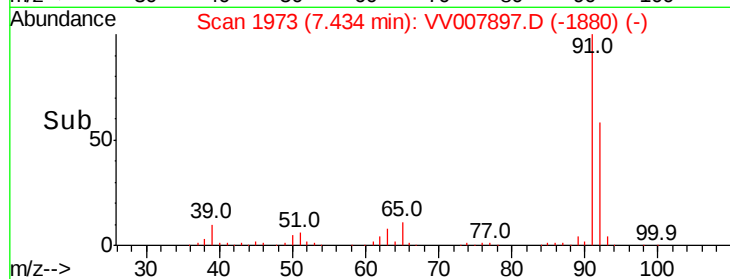
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.419 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007897.D

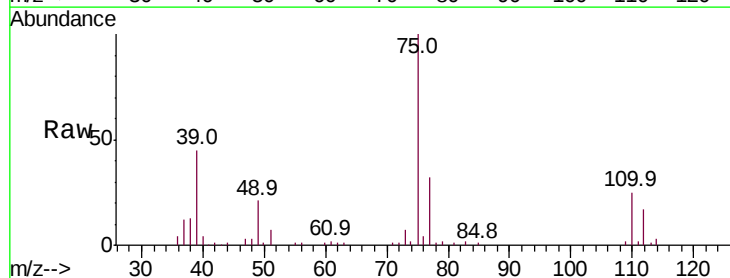
Acq: 27 Sep 2018 09:41

Tgt Ion: 75 Resp: 48796

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV007897.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV007897.D (-2039) (-)

7.70

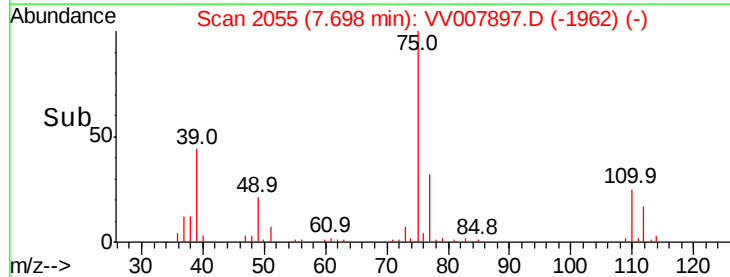
30000

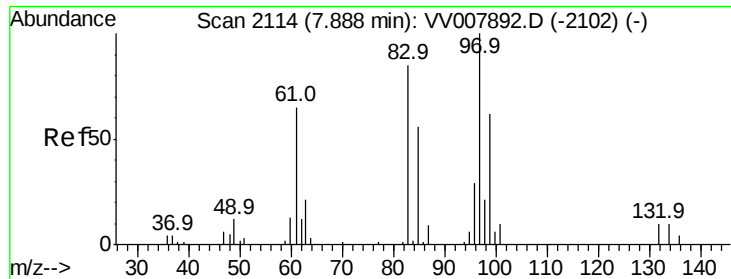
20000

10000

0

Time-->

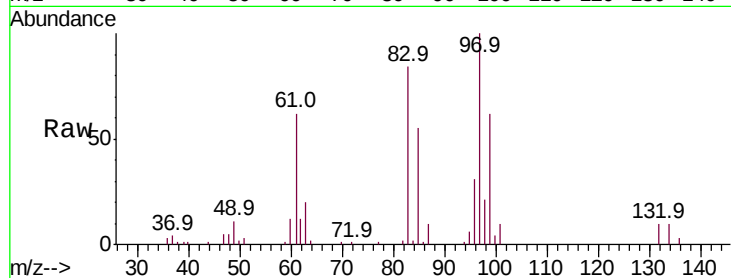




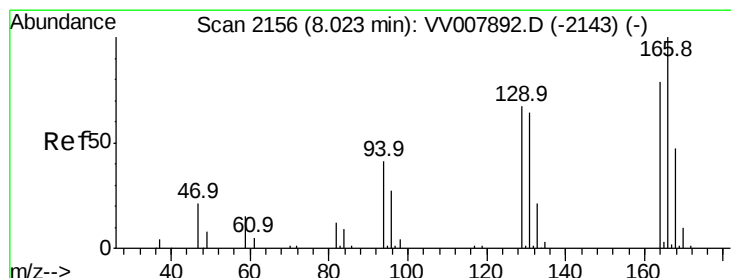
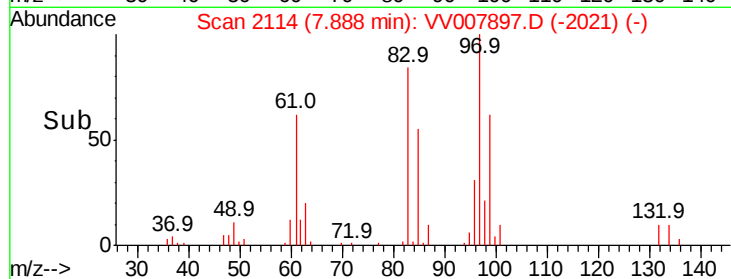
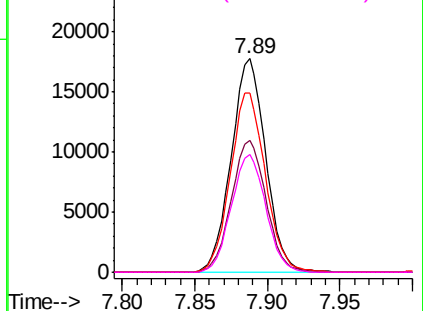
#45
 1,1,2-Trichloroethane
 Concen: 5.009 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 29273
 Ion Ratio Lower Upper
 97 100
 99 61.8 43.5 80.9
 83 83.9 59.7 110.9
 85 54.9 39.5 73.3

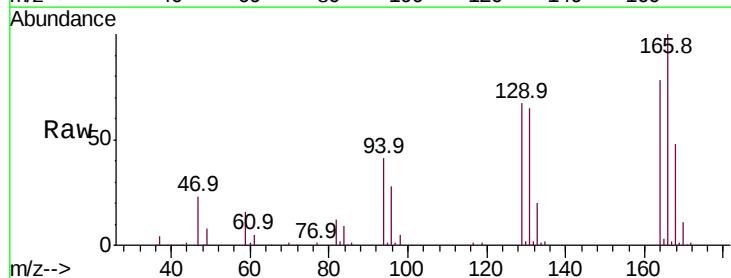


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

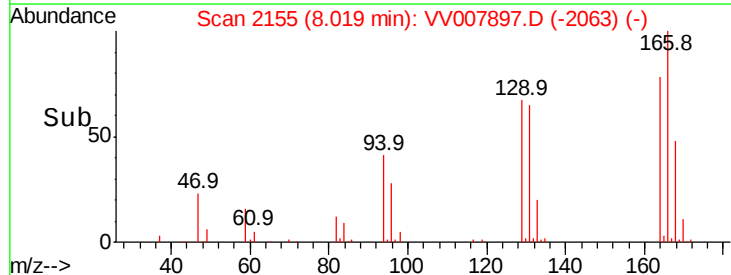
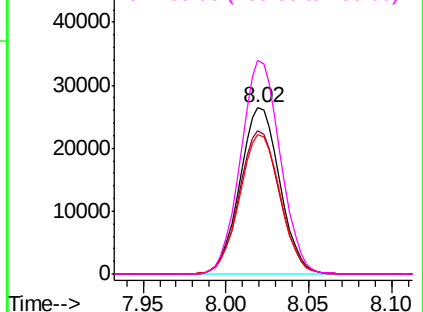


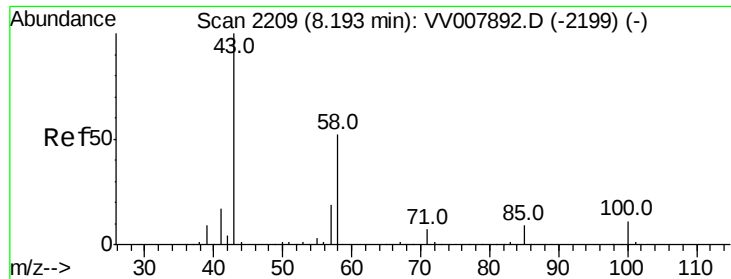
#47
 Tetrachloroethene
 Concen: 5.274 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Tgt Ion: 164 Resp: 44356
 Ion Ratio Lower Upper
 164 100
 129 86.1 59.2 110.0
 131 83.8 57.1 106.1
 166 128.5 88.6 164.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

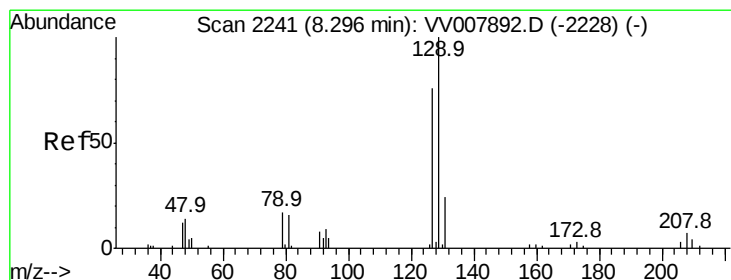
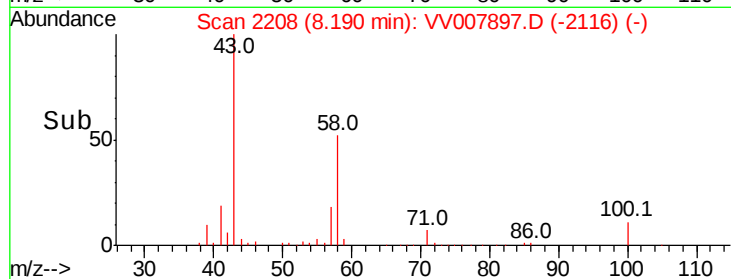
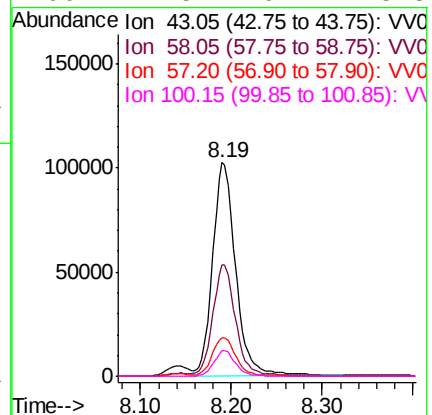
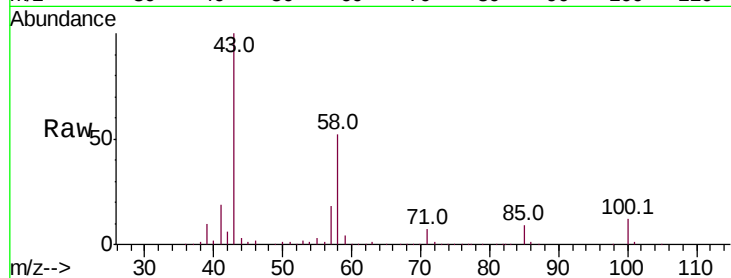




#48
2-Hexanone
Concen: 50.899 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

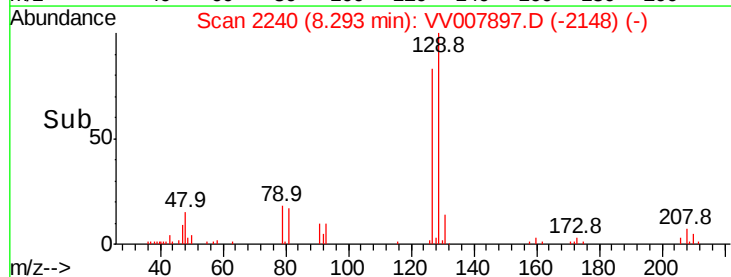
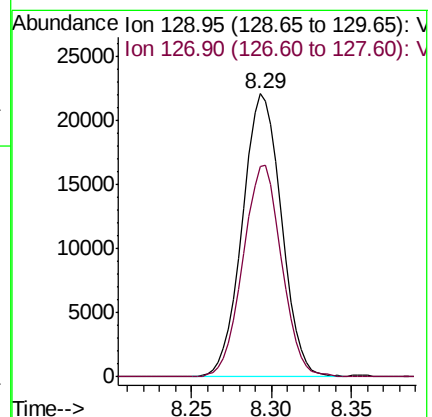
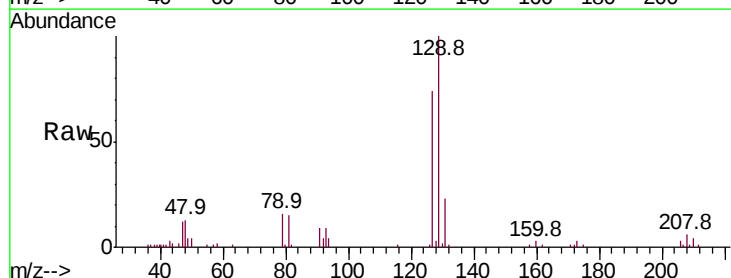
Instrument :
MSVOA_V
ClientSampleId :

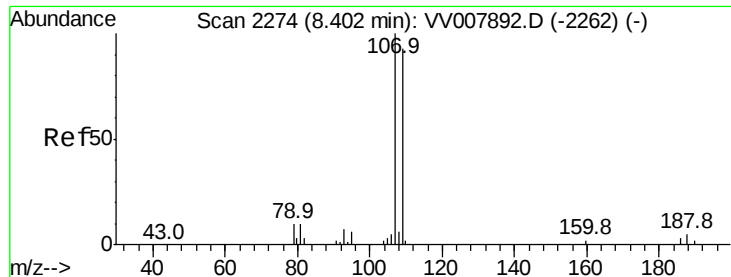
Tot Ion: 43 Resp: 179932
Ion Ratio Lower Upper
43 100
58 51.9 41.9 62.9
57 18.7 14.3 21.5
100 11.5 9.2 13.8



#49
Dibromochloromethane
Concen: 5.514 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion: 129 Resp: 36789
Ion Ratio Lower Upper
129 100
127 74.2 53.1 98.5

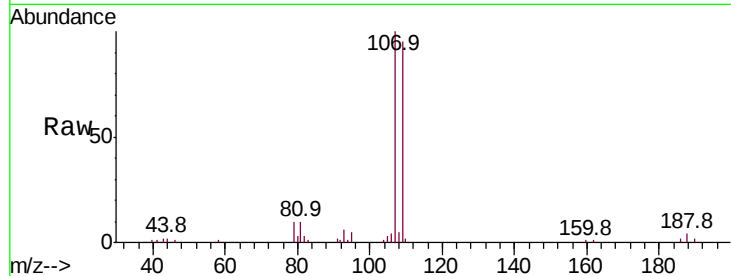




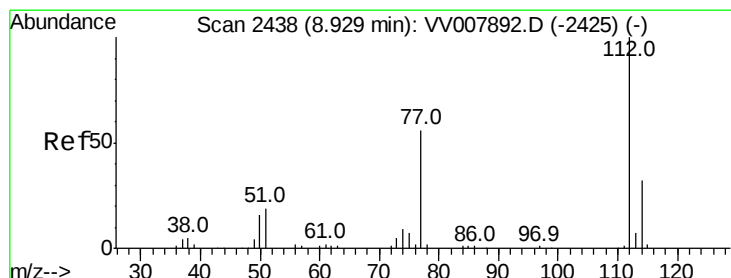
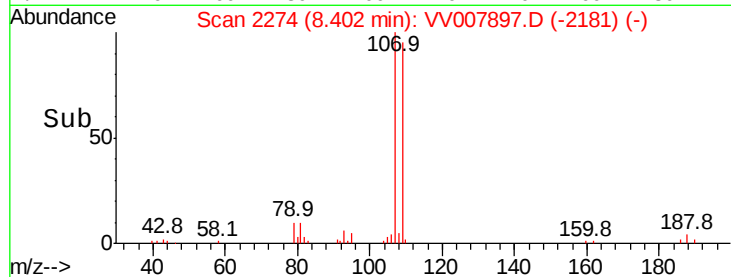
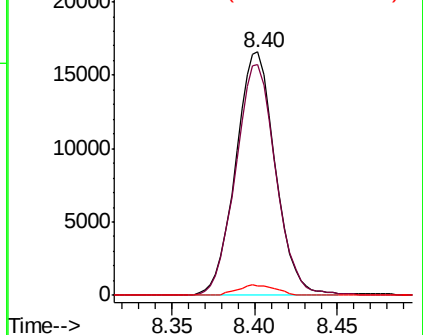
#50
1,2-Dibromoethane
Concen: 5.155 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	64.9	120.5
188	4.1	4.0	6.0

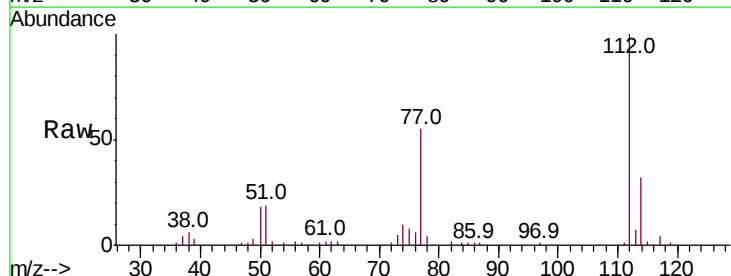


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

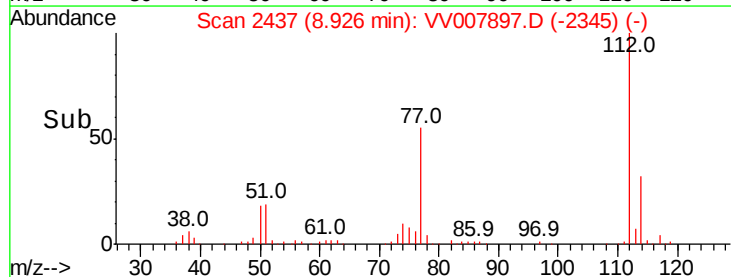
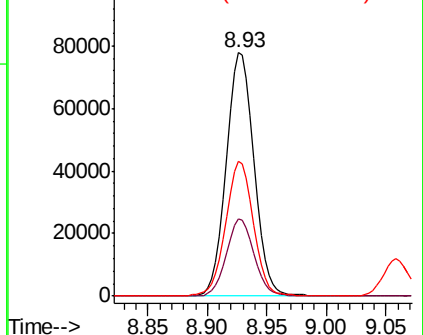


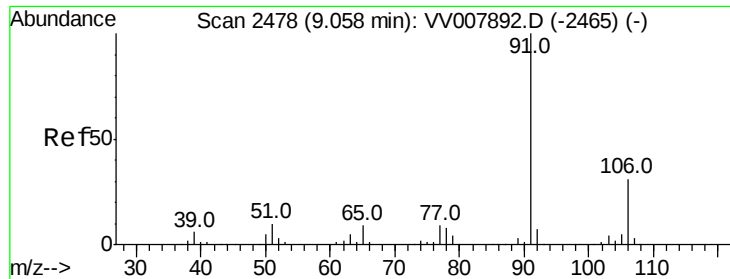
#51
Chlorobenzene
Concen: 5.305 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	55.5	45.0	67.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

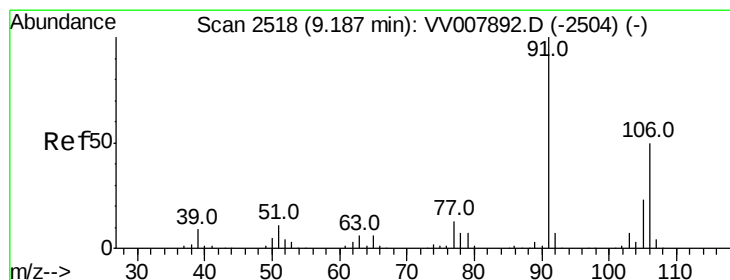
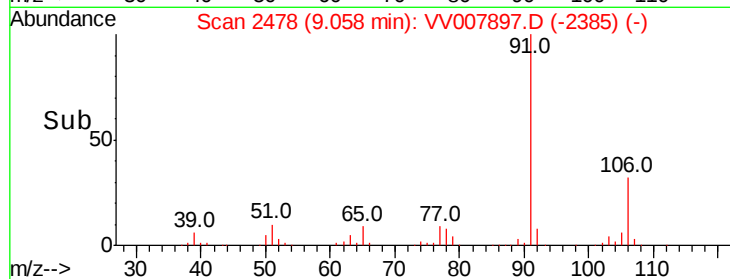
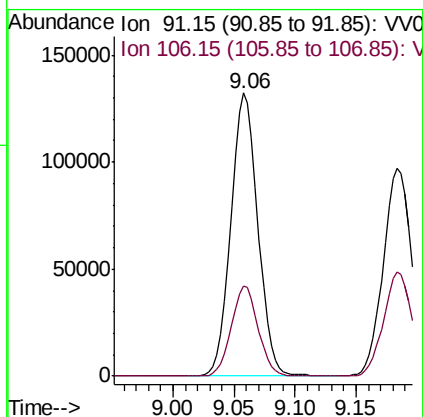
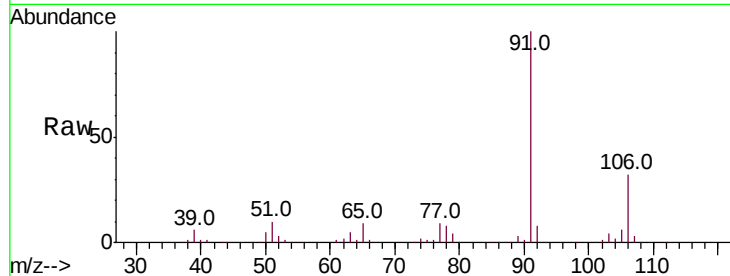




#52
Ethylbenzene
Concen: 5.315 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

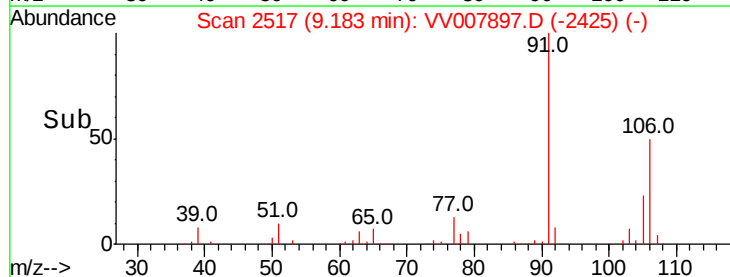
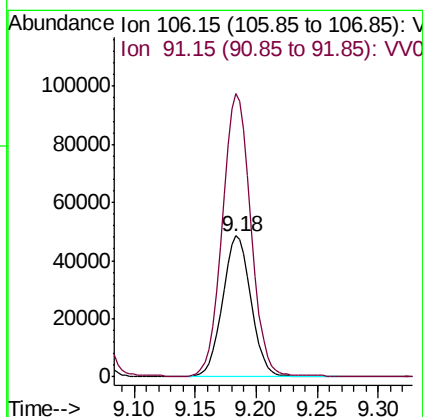
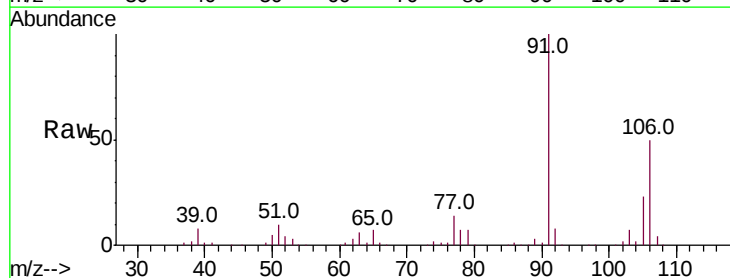
Instrument :
MSVOA_V
ClientSampled :

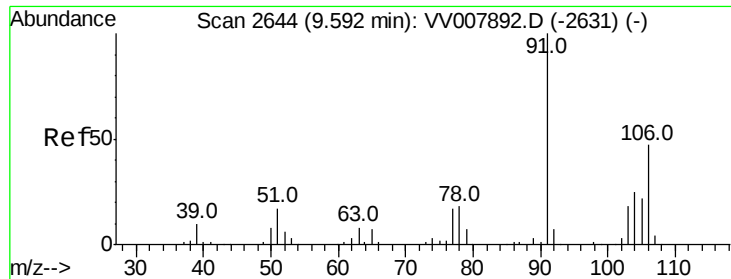
Tot Ion: 91 Resp: 204690
Ion Ratio Lower Upper
91 100
106 32.0 21.7 40.3



#53
m,p-xylene
Concen: 5.434 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007897.D
Acq: 27 Sep 2018 09:41

Tgt Ion: 106 Resp: 79682
Ion Ratio Lower Upper
106 100
91 200.8 139.4 258.8





#54

o-xylene

Concen: 5.374 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

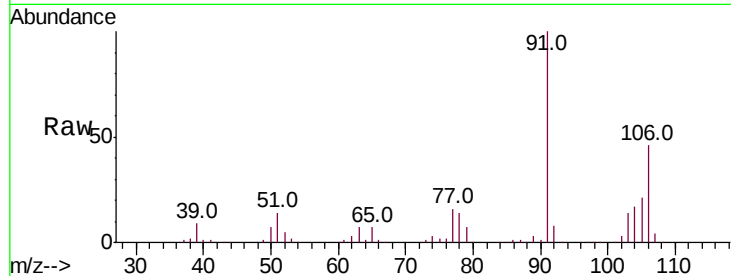
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 76118

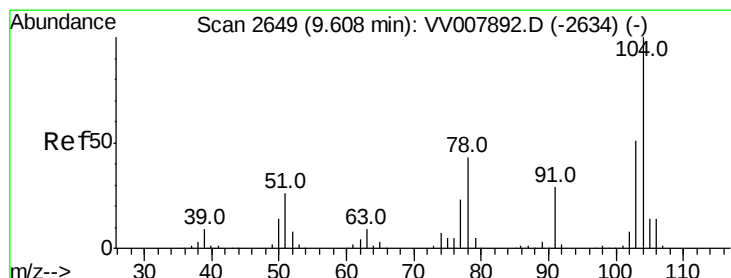
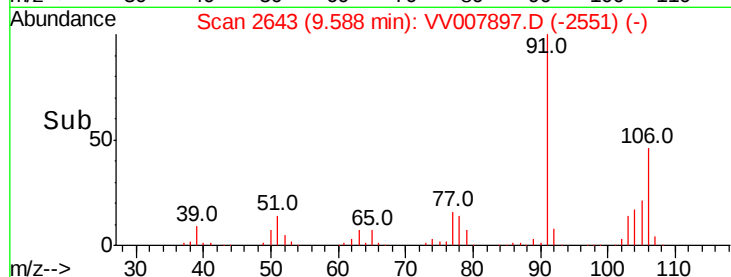
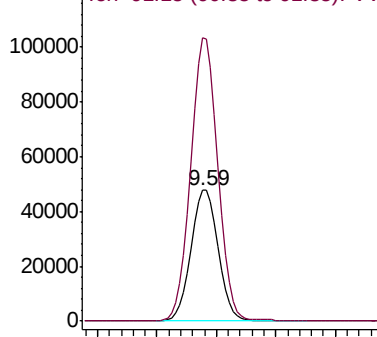
Ion Ratio Lower Upper

106 100

91 216.2 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.428 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV007897.D

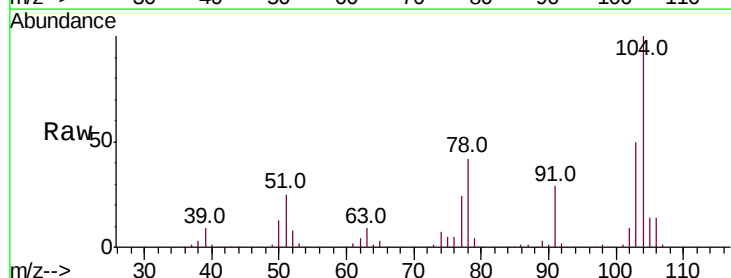
Acq: 27 Sep 2018 09:41

Tgt Ion:104 Resp: 131296

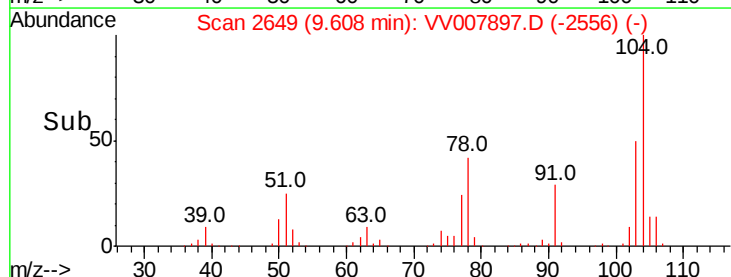
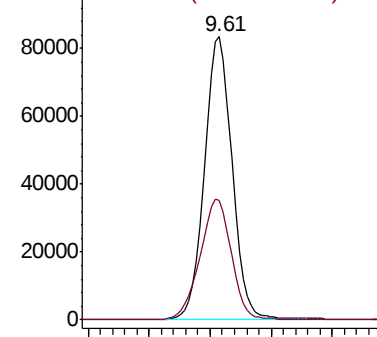
Ion Ratio Lower Upper

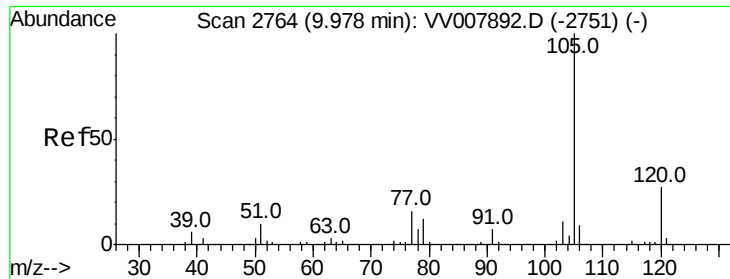
104 100

78 42.1 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.476 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :
MSVOA_V
ClientSampleId :

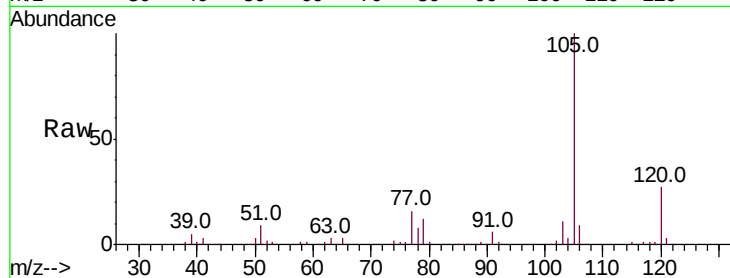
Tot Ion:105 Resp: 210069

Ion Ratio Lower Upper

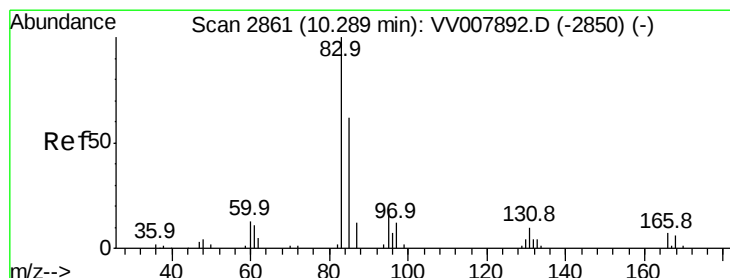
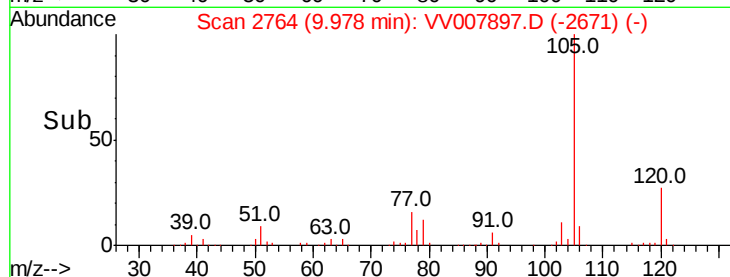
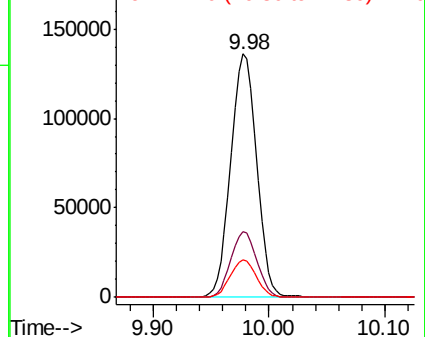
105 100

120 27.0 21.4 32.0

77 15.6 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.999 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

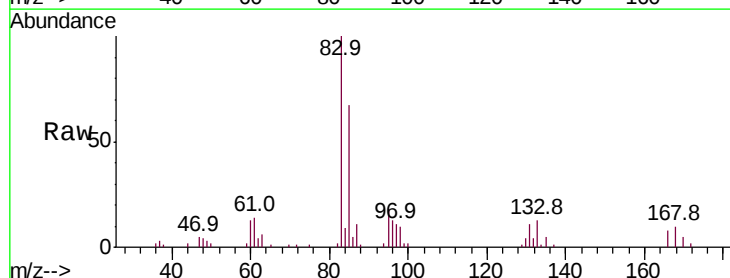
Tgt Ion: 83 Resp: 34312

Ion Ratio Lower Upper

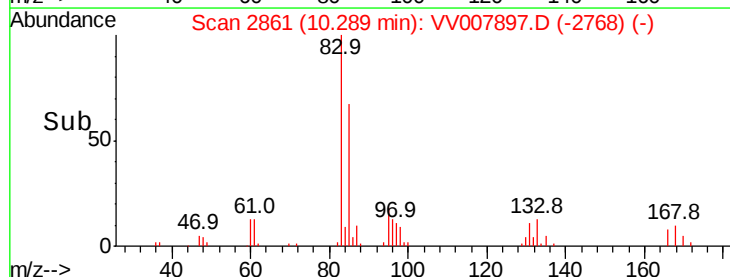
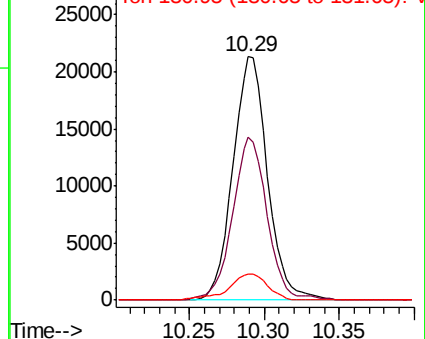
83 100

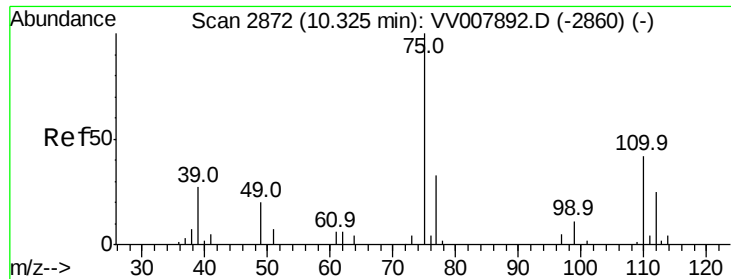
85 67.2 43.7 81.1

131 10.9 9.0 13.4



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V

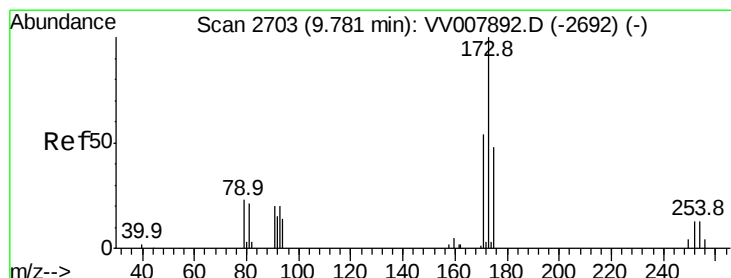
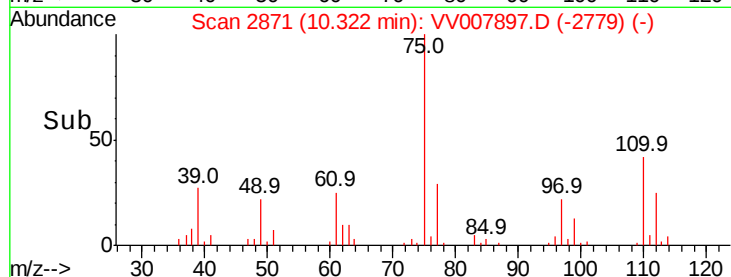
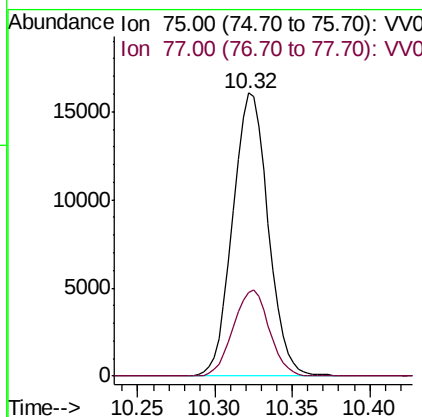
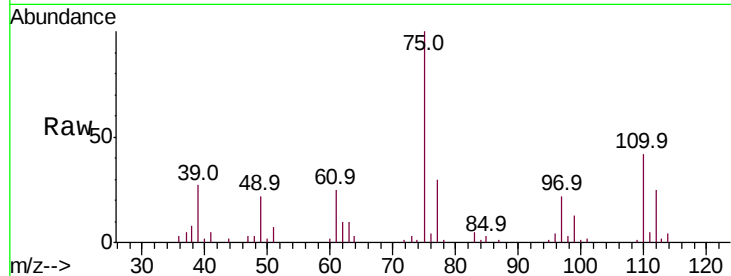




#59
 1,2,3-Trichloropropane
 Concen: 5.082 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

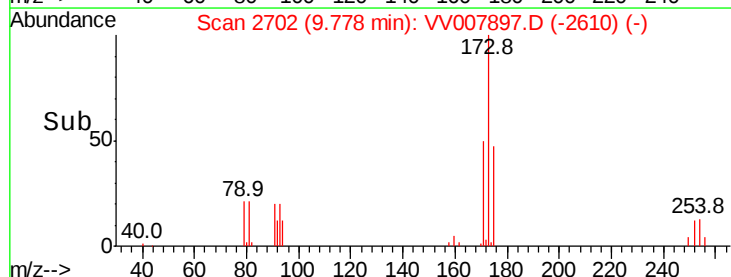
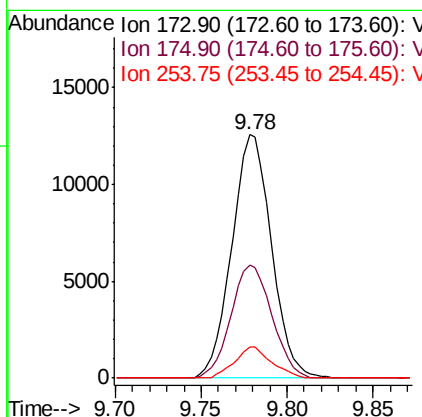
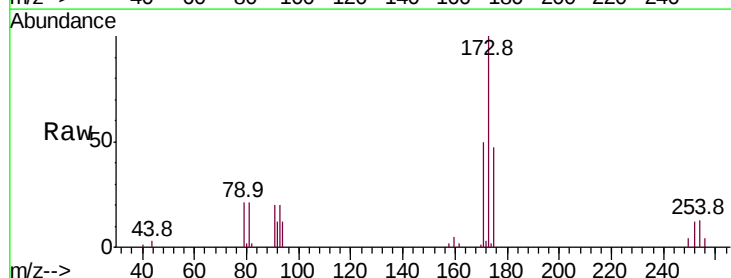
Instrument :
 MSVOA_V
 ClientSampled :

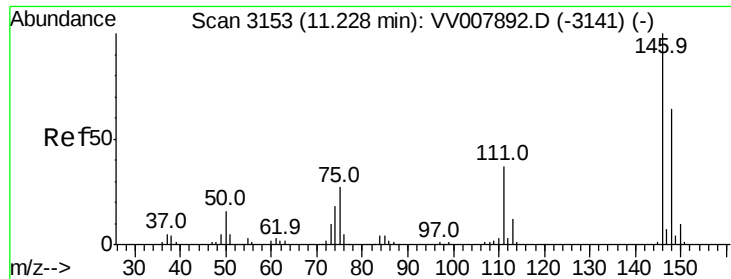
Tot Ion: 75 Resp: 25607
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.4 39.6



#61
 Bromoform
 Concen: 5.536 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Tgt Ion:173 Resp: 20108
 Ion Ratio Lower Upper
 173 100
 175 48.0 41.0 61.6
 254 11.8 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 5.282 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

ClientSampleId :

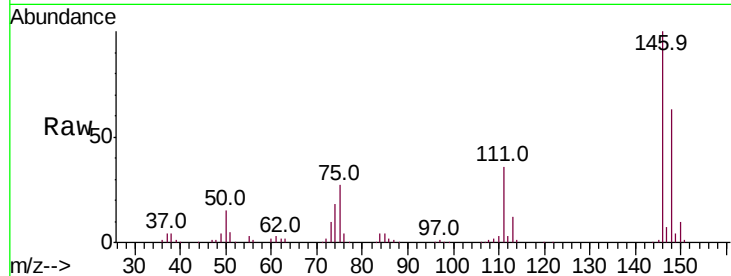
Tot Ion:146 Resp: 105459

Ion Ratio Lower Upper

146 100

111 35.6 25.8 48.0

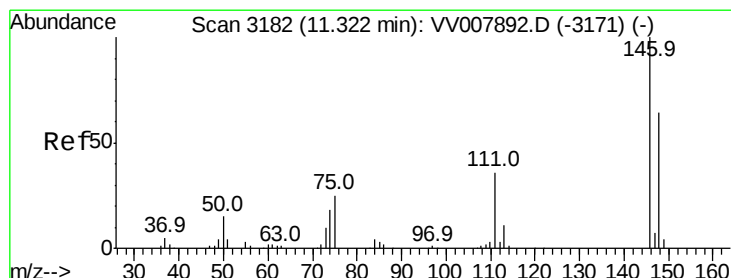
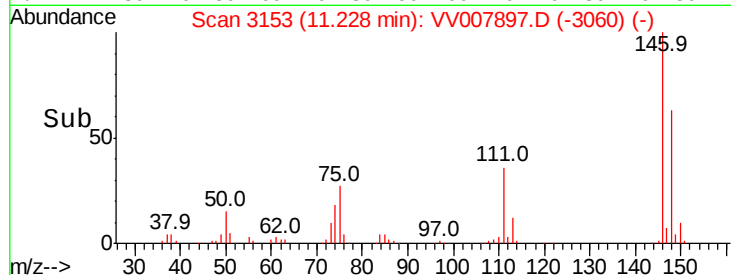
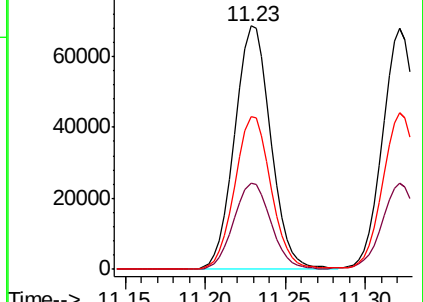
148 62.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.075 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

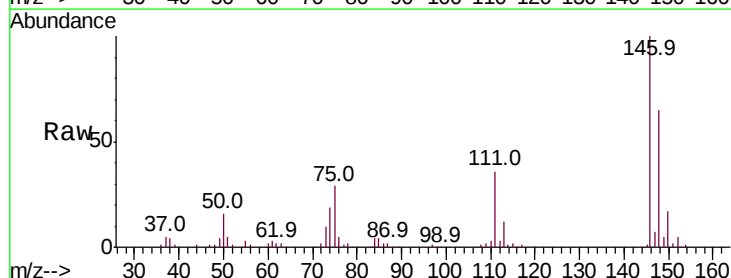
Tgt Ion:146 Resp: 105372

Ion Ratio Lower Upper

146 100

111 35.8 25.3 47.1

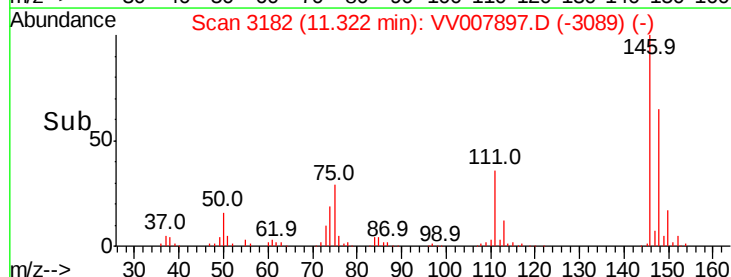
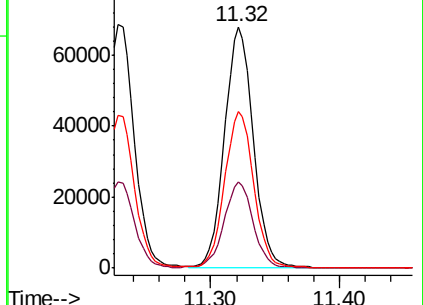
148 65.1 44.7 82.9

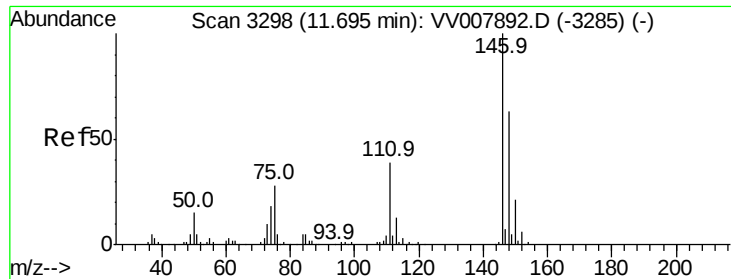


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.196 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

ClientSampleId :

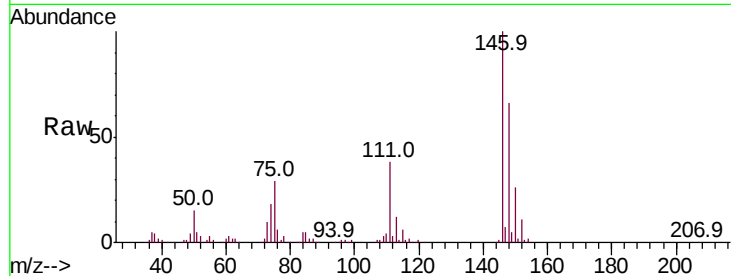
Tot Ion:146 Resp: 97799

Ion Ratio Lower Upper

146 100

111 38.1 31.2 46.8

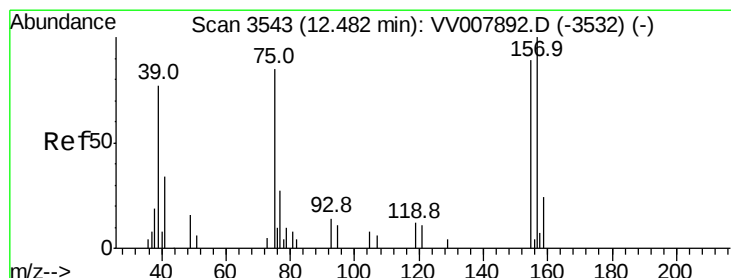
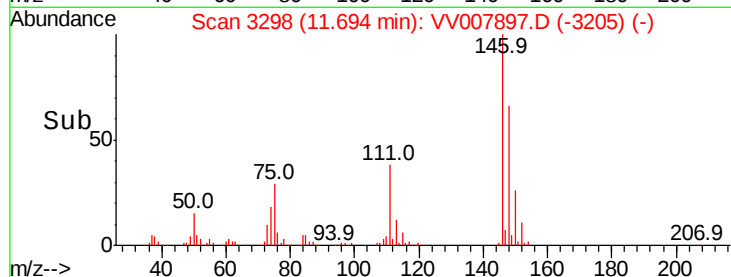
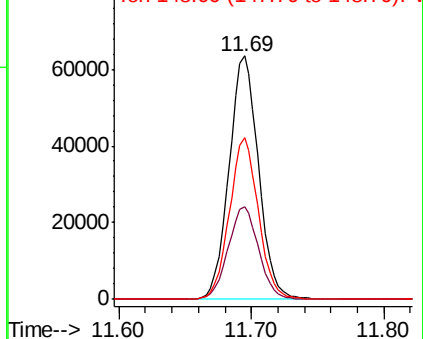
148 66.2 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.324 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

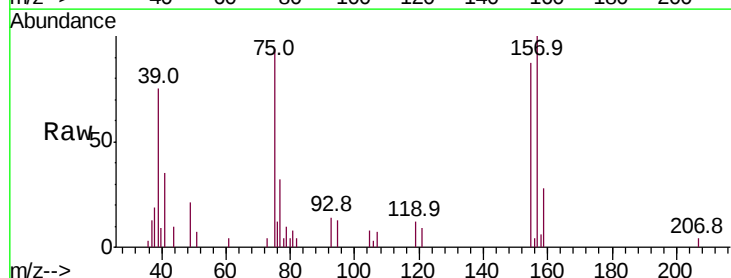
Tgt Ion: 75 Resp: 5105

Ion Ratio Lower Upper

75 100

155 92.5 83.4 125.2

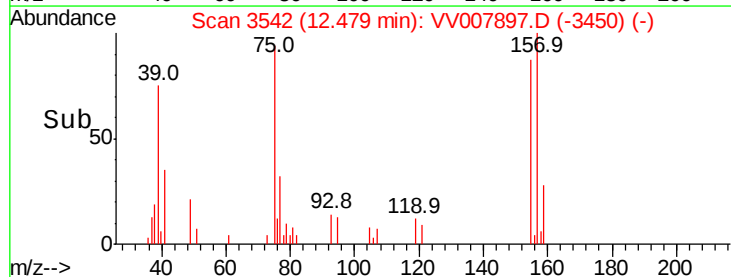
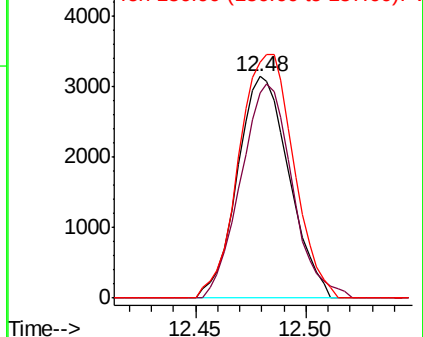
157 106.6 93.9 140.9

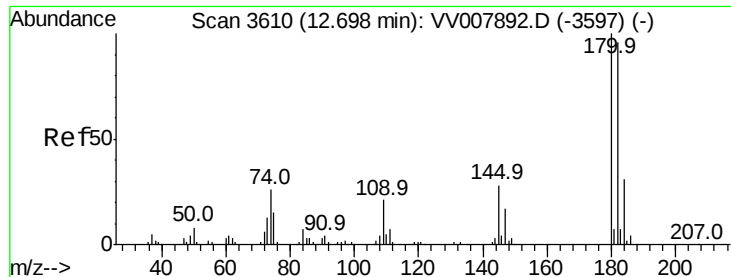


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

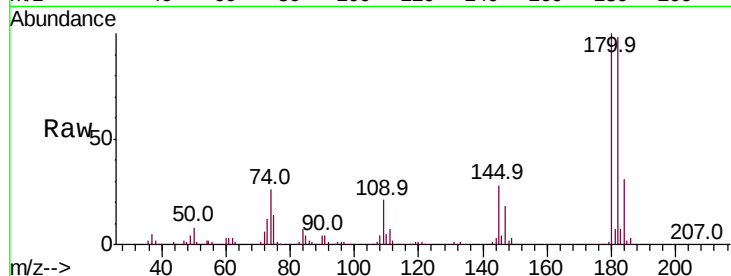




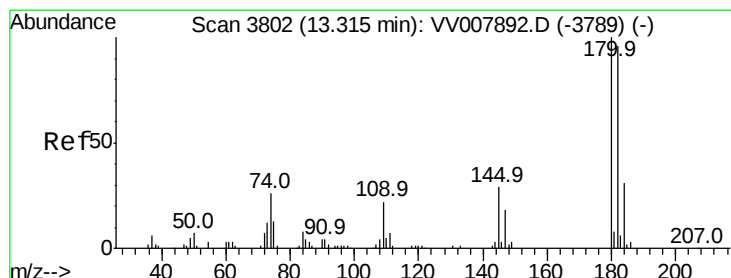
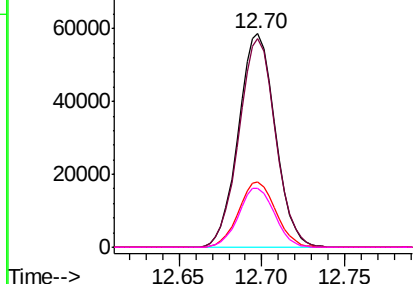
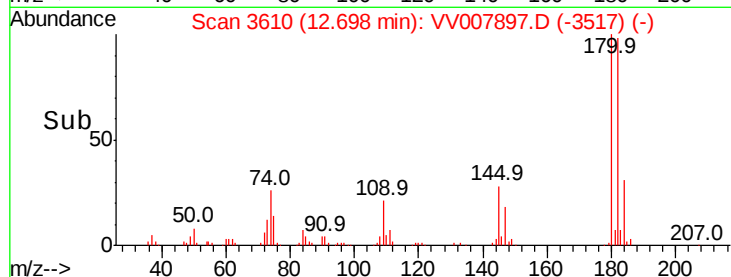
#67
 1,3,5-Trichlorobenzene
 Concen: 5.285 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 90349
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.4
 184 30.9 24.5 36.7
 145 27.1 22.2 33.4

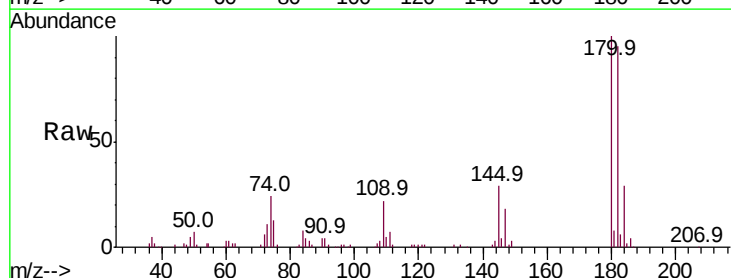


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

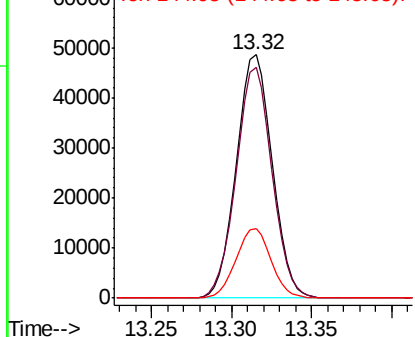
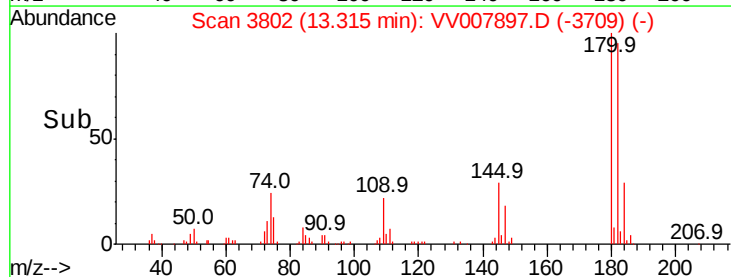


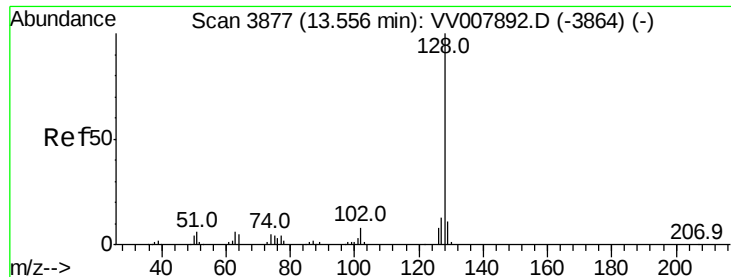
#68
 1,2,4-trichlorobenzene
 Concen: 5.130 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007897.D
 Acq: 27 Sep 2018 09:41

Tgt Ion:180 Resp: 74128
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.4 116.2
 145 27.8 22.6 33.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.845 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

Instrument :

MSVOA_V

ClientSampleId :

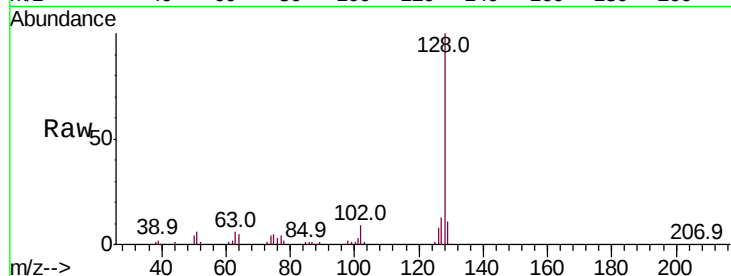
Tot Ion:128 Resp: 97922

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

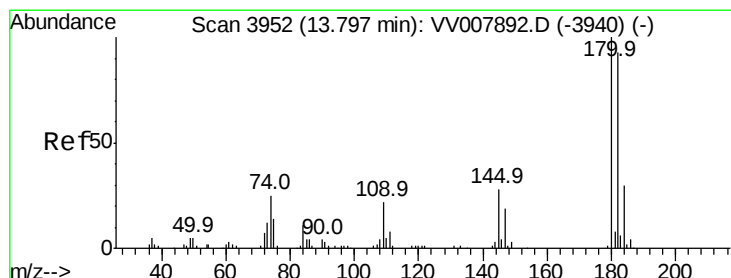
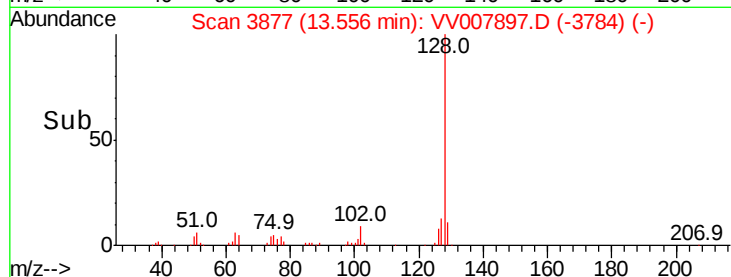
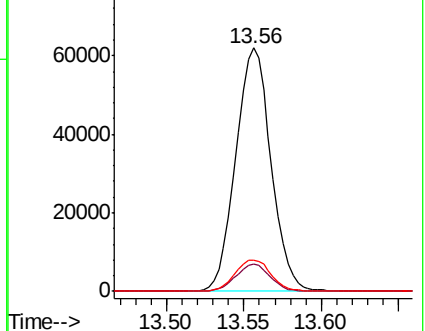
127 13.3 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.146 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007897.D

Acq: 27 Sep 2018 09:41

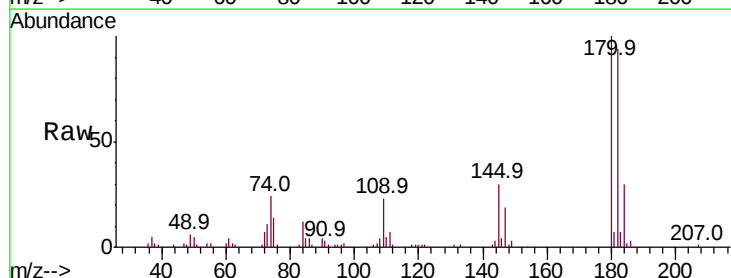
Tgt Ion:180 Resp: 67338

Ion Ratio Lower Upper

180 100

182 93.7 75.7 113.5

145 28.9 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

