

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007895.D
 Acq On : 26 Sep 2018 20:51
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 07:07:09 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	95027	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	90518	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	50321	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26793	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.59	69	22995	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.14	63	58394	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	3.96	46	84441	55.11	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.22%
24) Chloroform-d	4.41	84	60900	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.09	65	32993	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	114346	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.13	67	36138	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.36	98	117720	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	7.67	79	14074	5.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.80%
46) 2-Hexanone-d5	8.14	63	66856	57.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	29242	5.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	49183	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	40795	5.118	ug/L	99
3) Chloromethane	1.25	50	35143	4.956	ug/L	100
5) Vinyl chloride	1.32	62	38009	5.007	ug/L	98
6) Bromomethane	1.54	94	23503	5.019	ug/L	99
8) Chloroethane	1.60	64	21957	4.796	ug/L	100
9) Trichlorofluoromethane	1.77	101	61804	4.987	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35340	5.028	ug/L	97
12) 1,1-Dichloroethene	2.14	96	30914	4.922	ug/L	97
13) Acetone	2.21	43	54864	49.143	ug/L	98
14) Carbon disulfide	2.32	76	83492	4.903	ug/L	99
15) Methyl Acetate	2.47	43	14077	4.930	ug/L	97
16) Methylene chloride	2.54	84	33328	4.775	ug/L	92
17) Methyl tert-butyl Ether	2.81	73	79480	5.121	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	33975	4.907	ug/L	99
19) 1,1-Dichloroethane	3.23	63	57313	4.851	ug/L	99
21) 2-Butanone	4.05	43	92193	51.833	ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	36037	5.140	ug/L	97

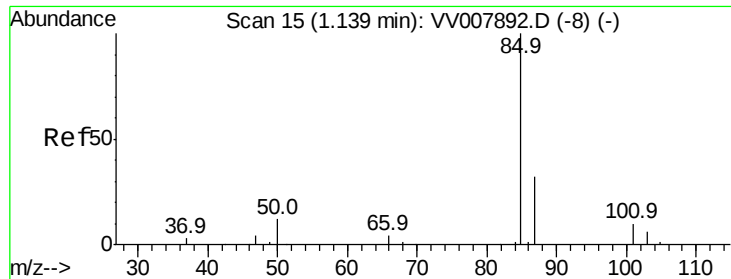
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 07:04:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	16172	5.304	ug/L	96
25) Chloroform	4.43	83	64182	5.023	ug/L	98
27) 1,2-Dichloroethane	5.19	62	42250	5.138	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	55013	5.054	ug/L	98
30) Cyclohexane	4.73	56	52424	5.124	ug/L	100
31) Carbon tetrachloride	4.88	117	49316	5.139	ug/L	97
33) Benzene	5.15	78	132028	5.094	ug/L	100
34) Trichloroethene	5.96	95	36650	4.938	ug/L	94
35) Methylcyclohexane	6.18	83	55386	4.977	ug/L	98
37) 1,2-Dichloropropane	6.23	63	33675	5.086	ug/L	99
38) Bromodichloromethane	6.56	83	40716	5.143	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	45895	5.181	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	227515	54.743	ug/L	99
42) Toluene	7.43	91	147597	5.229	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	38659	5.251	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	25087	5.250	ug/L	97
47) Tetrachloroethene	8.02	164	35071	5.100	ug/L	98
48) 2-Hexanone	8.19	43	163957	56.722	ug/L	98
49) Dibromochloromethane	8.30	129	27906	5.116	ug/L	95
50) 1,2-Dibromoethane	8.40	107	23940	5.481	ug/L	98
51) Chlorobenzene	8.93	112	99660	5.111	ug/L	99
52) Ethylbenzene	9.06	91	163042	5.178	ug/L	100
53) m,p-xylene	9.19	106	62510	5.213	ug/L	97
54) o-xylene	9.59	106	58715	5.070	ug/L	98
55) Styrene	9.61	104	102521	5.183	ug/L	99
56) Isopropylbenzene	9.98	105	162448	5.179	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	30256	5.391	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	22429	5.444	ug/L	98
61) Bromoform	9.78	173	15625	5.170	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	82845	4.987	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	84645	4.900	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	79331	5.065	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4452	5.581	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	71222	5.007	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	60078	4.997	ug/L	99
69) Naphthalene	13.56	128	89120	5.299	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	55465	5.094	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.118 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

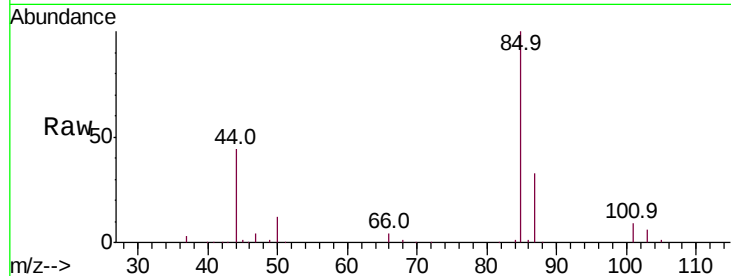
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 40795

Ion Ratio Lower Upper

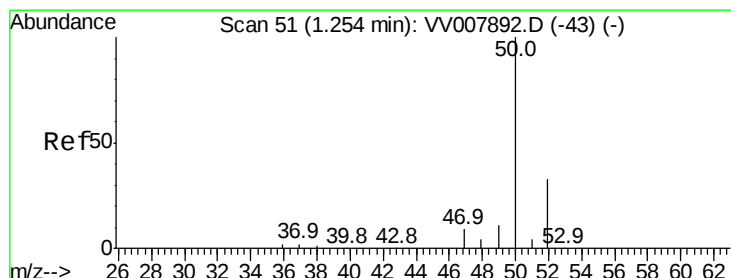
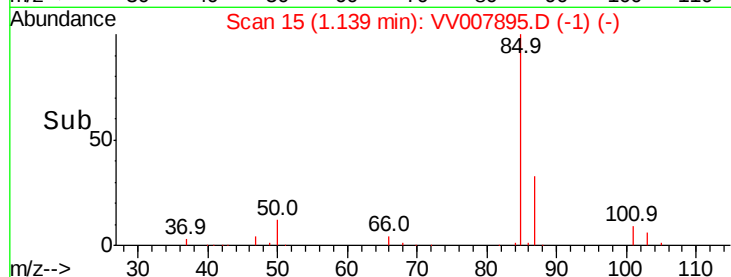
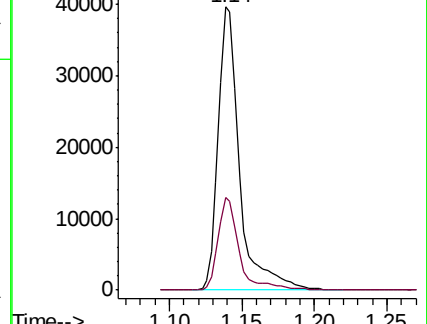
85 100

87 32.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007892.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007892.D (-8) (-)



#3

Chloromethane

Concen: 4.956 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007895.D

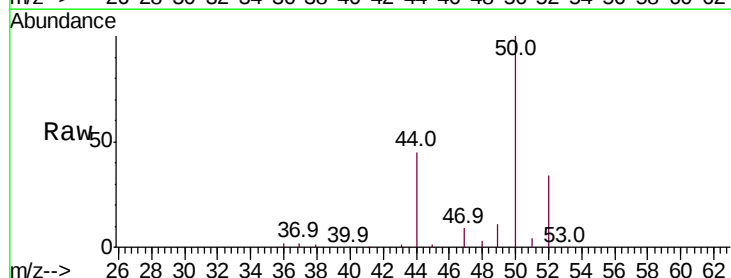
Acq: 26 Sep 2018 20:51

Tgt Ion: 50 Resp: 35143

Ion Ratio Lower Upper

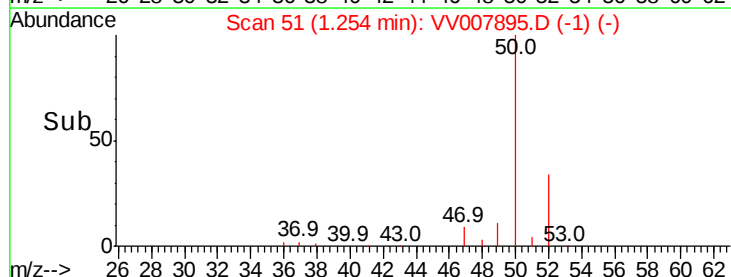
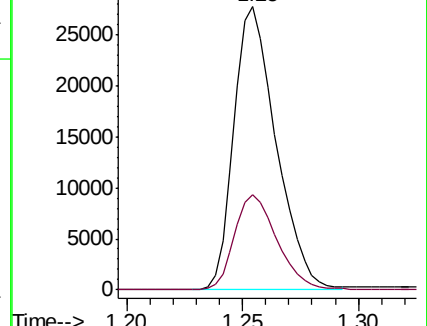
50 100

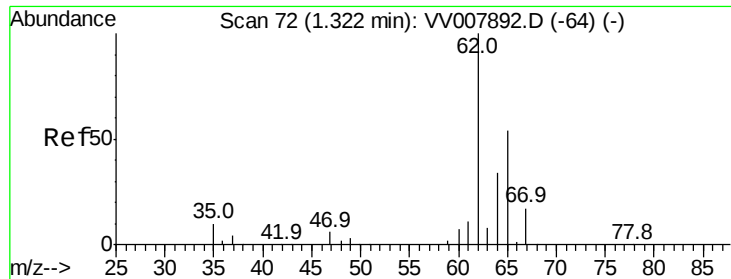
52 33.7 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007892.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007892.D (-43) (-)





#5

Vinyl chloride

Concen: 5.007 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :

MSVOA_V

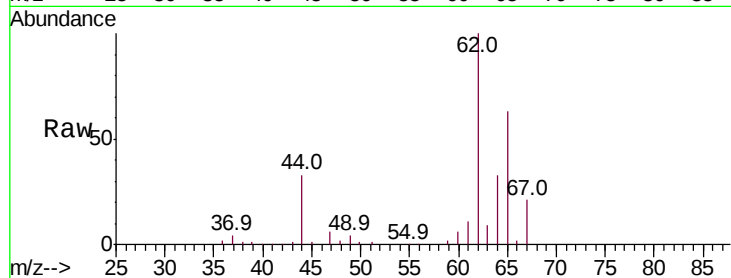
ClientSampled :

Tot Ion: 62 Resp: 38009

Ion Ratio Lower Upper

62 100

64 33.1 24.0 44.6

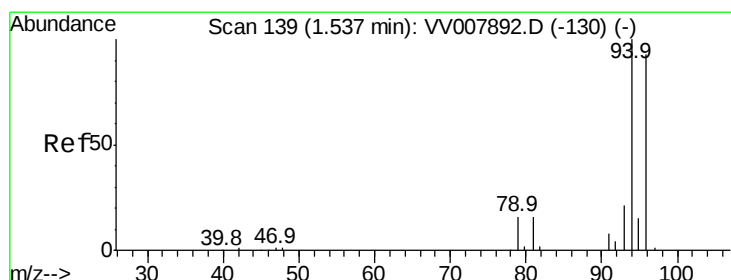
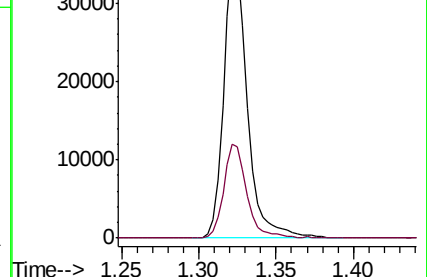
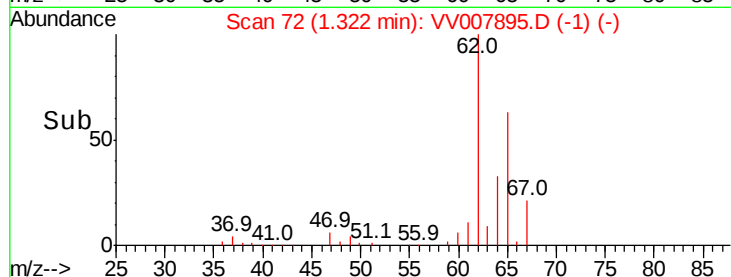


Abundance Ion 62.00 (61.70 to 62.70): VV007892.D (-64) (-)

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

1.32

Time-->



#6

Bromomethane

Concen: 5.019 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007895.D

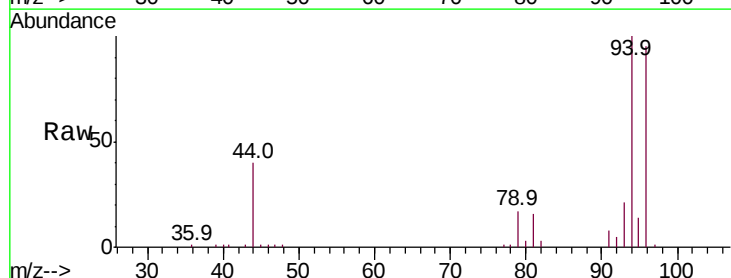
Acq: 26 Sep 2018 20:51

Tgt Ion: 94 Resp: 23503

Ion Ratio Lower Upper

94 100

96 94.6 65.2 121.2

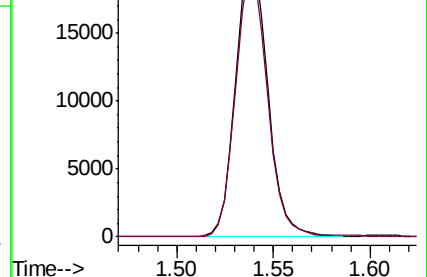
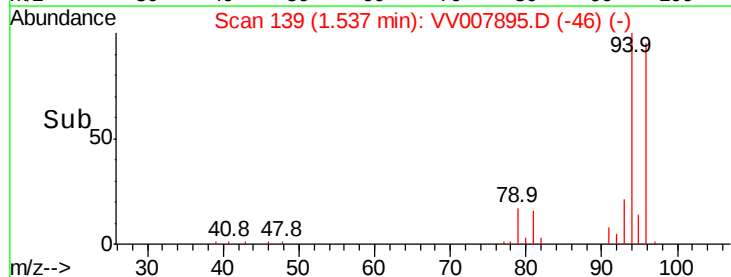


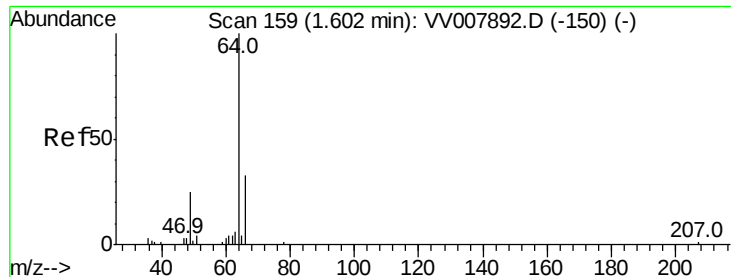
Abundance Ion 94.00 (93.70 to 94.70): VV007892.D (-130) (-)

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

1.54

Time-->

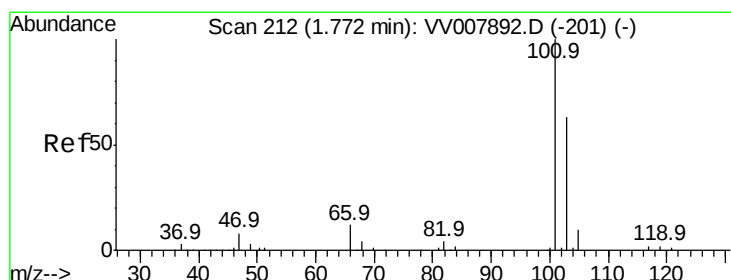
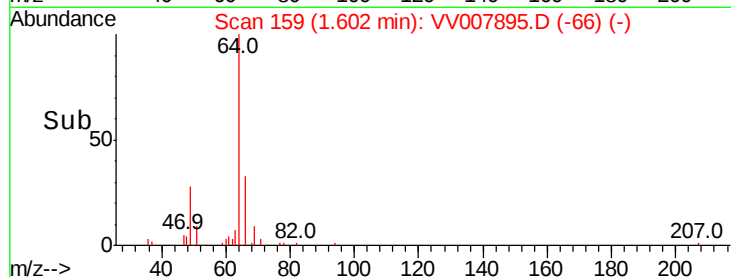
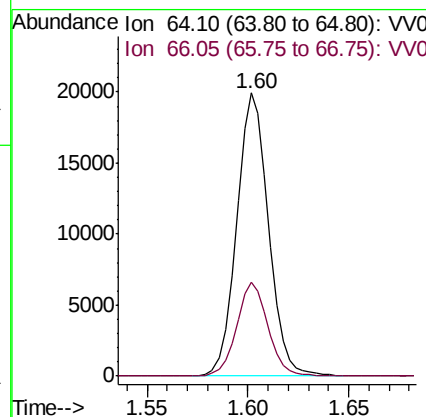
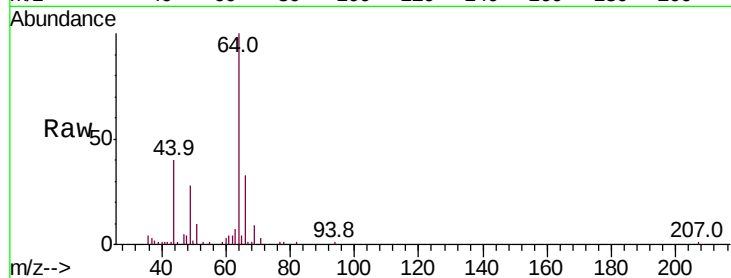




#8
Chloroethane
Concen: 4.796 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

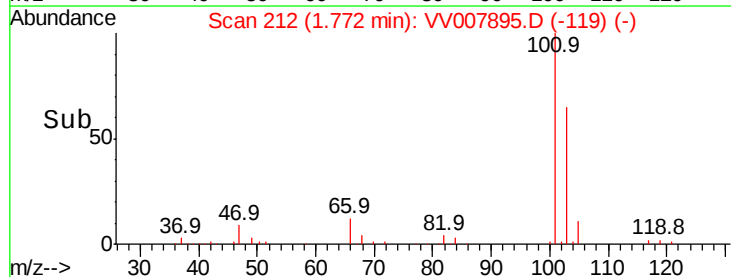
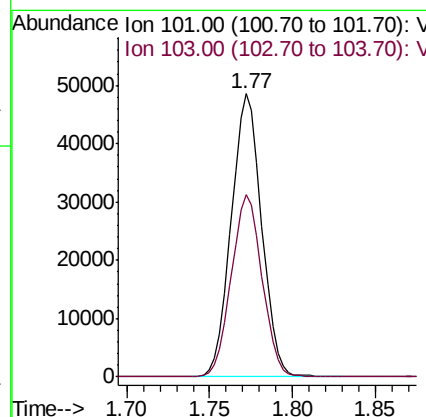
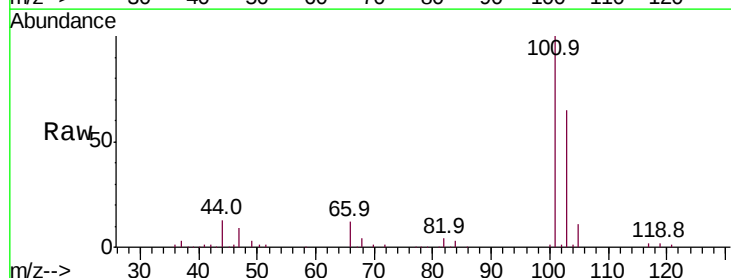
Instrument :
MSVOA_V
ClientSampleId :

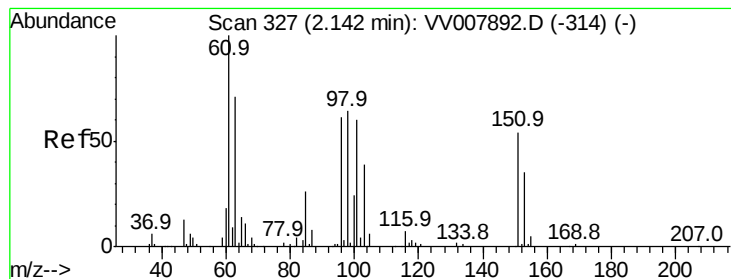
Tot Ion: 64 Resp: 21957
Ion Ratio Lower Upper
64 100
66 33.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.987 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Tgt Ion: 101 Resp: 61804
Ion Ratio Lower Upper
101 100
103 65.2 51.5 77.3





#10

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

Concen: 5.028 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampled :

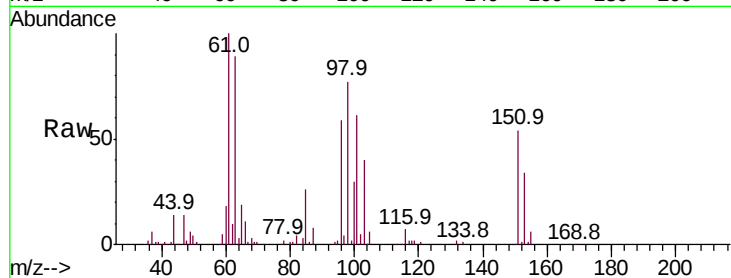
Tot Ion:101 Resp: 35340

Ion Ratio Lower Upper

101 100

85 41.9 34.7 52.1

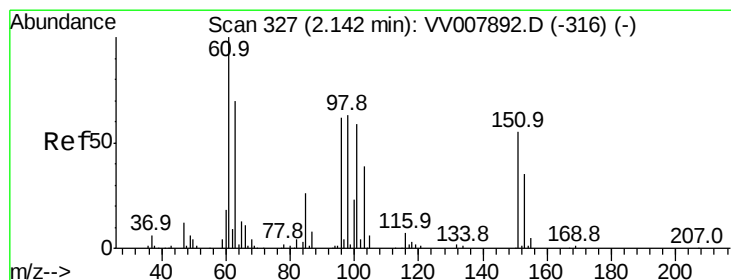
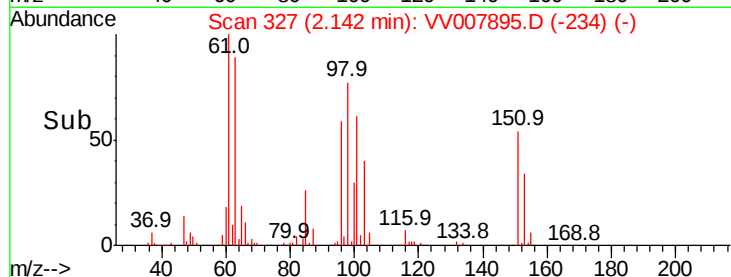
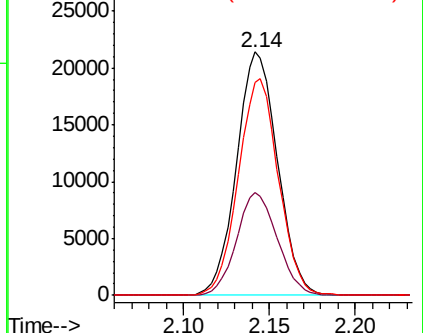
151 87.6 72.2 108.2



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: 4.922 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

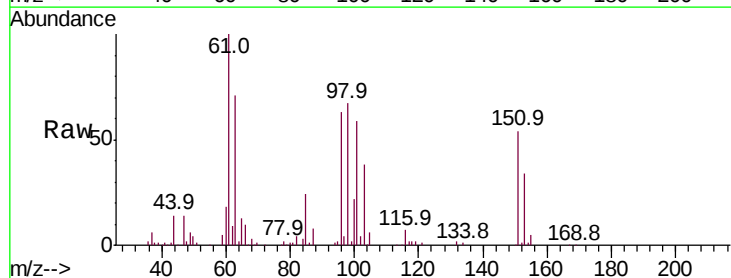
Tgt Ion: 96 Resp: 30914

Ion Ratio Lower Upper

96 100

61 159.3 114.1 211.9

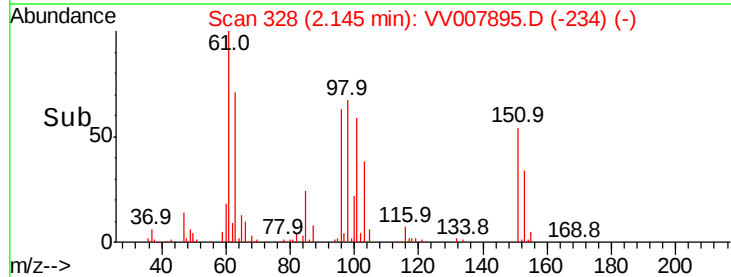
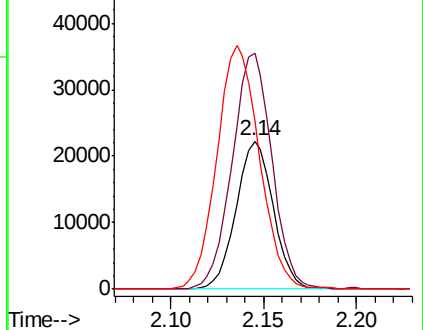
63 113.2 81.5 151.3

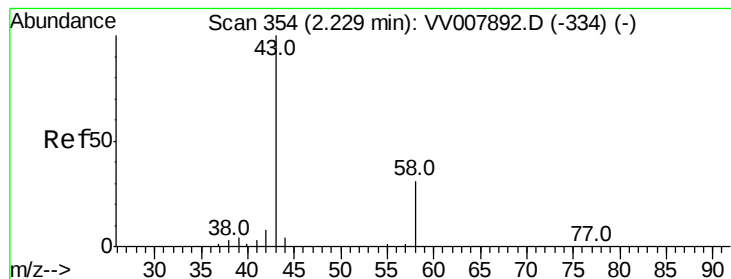


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.143 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.02 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

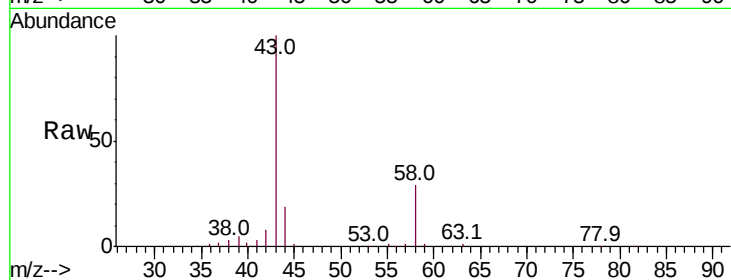
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 54864

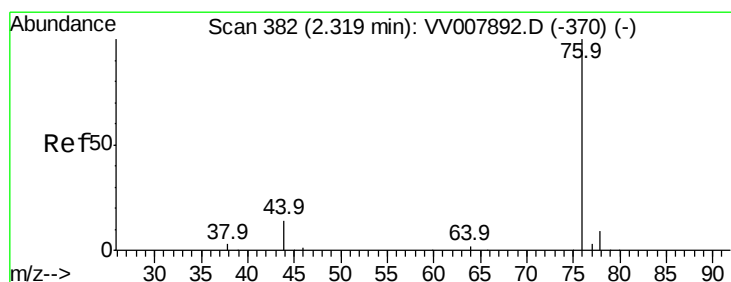
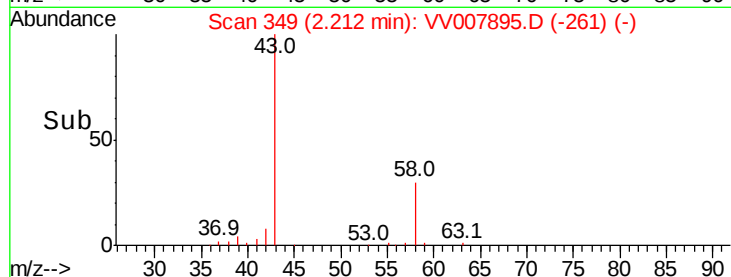
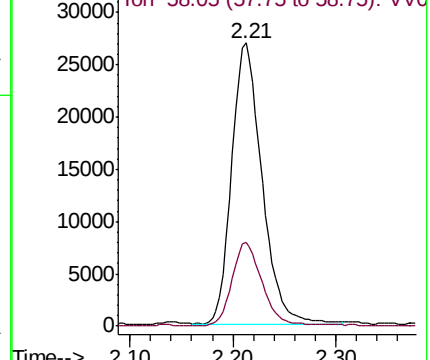
Ion Ratio Lower Upper

43 100

58 30.1 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007895.D (-349) (-)



#14

Carbon disulfide

Concen: 4.903 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007895.D

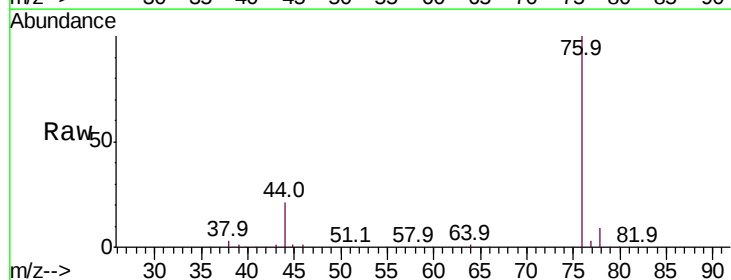
Acq: 26 Sep 2018 20:51

Tgt Ion: 76 Resp: 83492

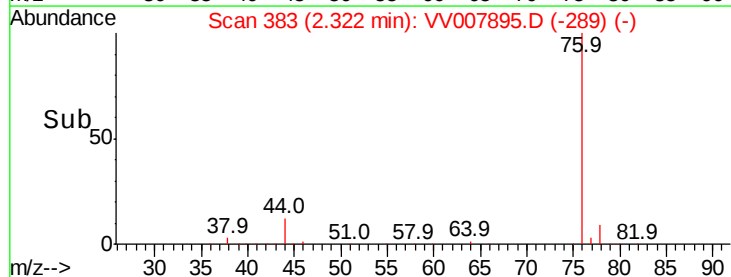
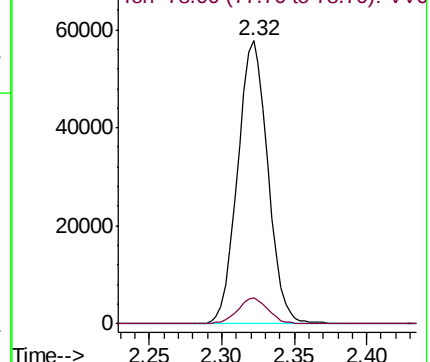
Ion Ratio Lower Upper

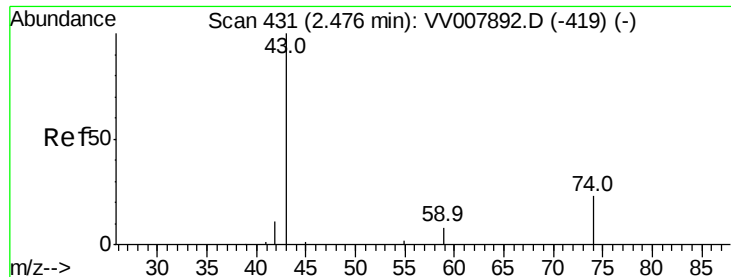
76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007895.D (-383) (-)

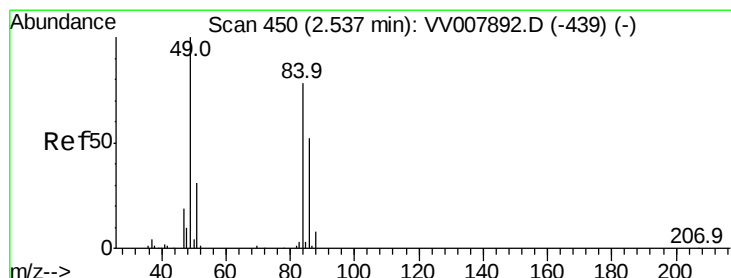
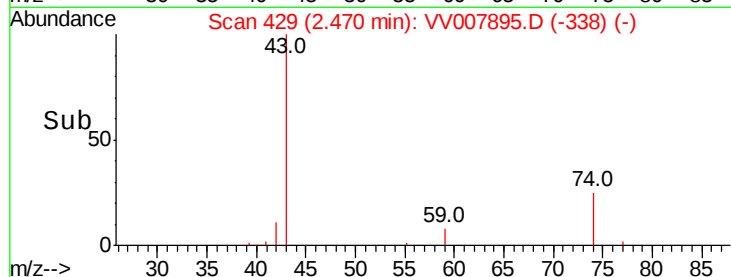
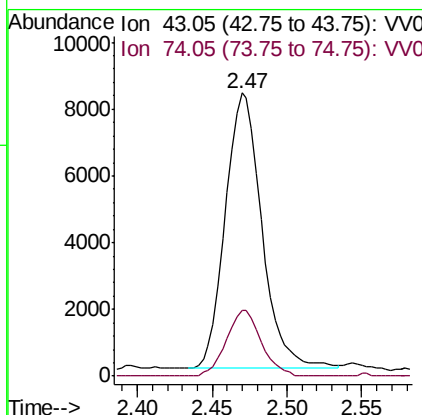
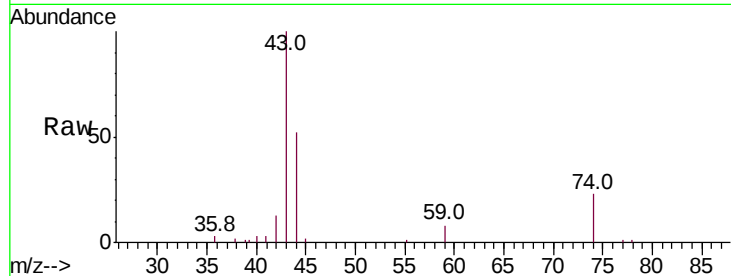




#15
Methvl Acetate
Concen: 4.930 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

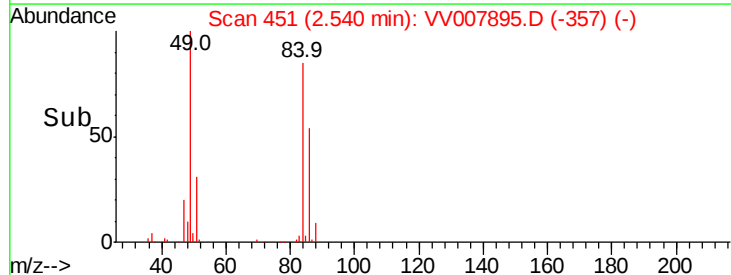
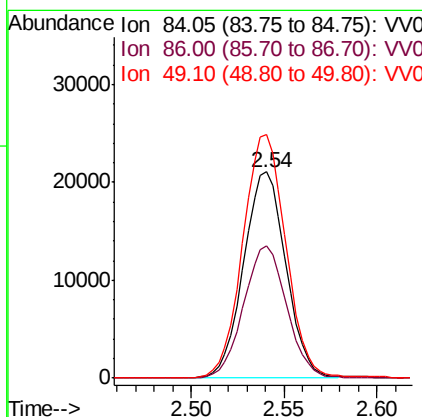
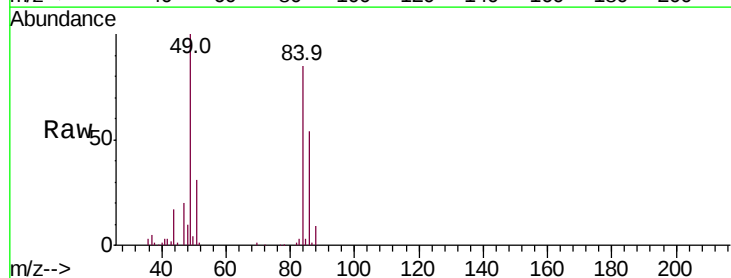
Instrument :
MSVOA_V
ClientSampleId :

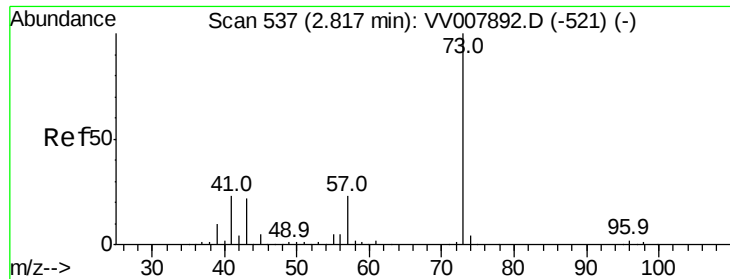
Tot Ion: 43 Resp: 14077
Ion Ratio Lower Upper
43 100
74 22.7 19.5 29.3



#16
Methylene chloride
Concen: 4.775 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Tgt Ion: 84 Resp: 33328
Ion Ratio Lower Upper
84 100
86 63.8 47.3 87.8
49 118.0 90.0 167.2

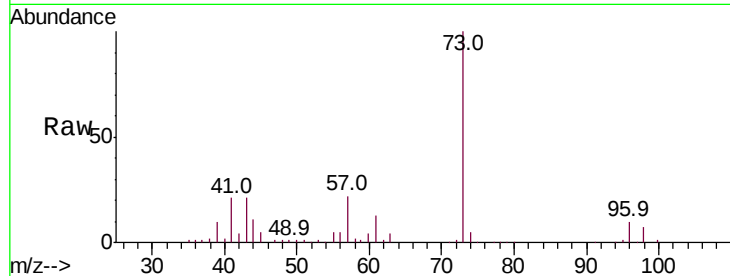




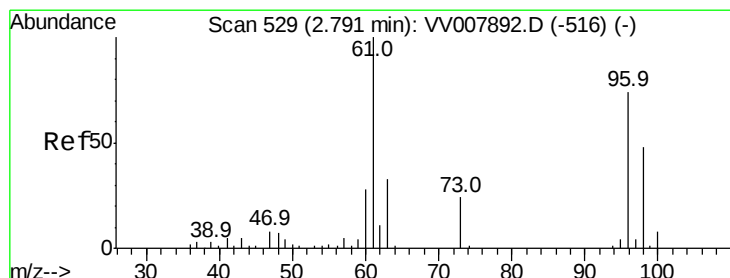
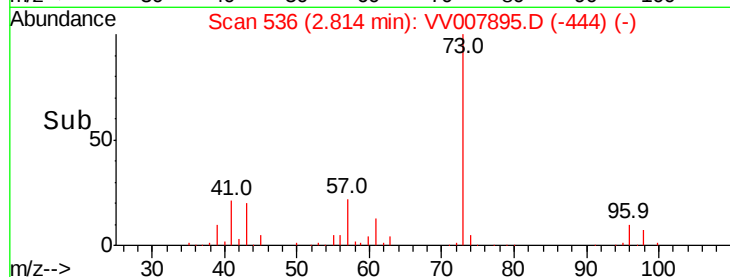
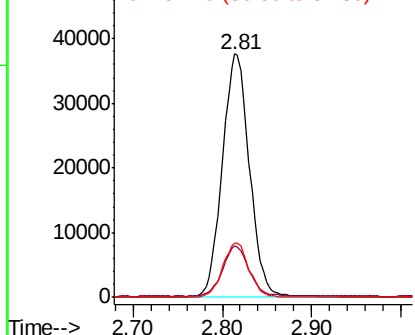
#17
Methvl tert-butvl Ether
Concen: 5.121 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 79480
Ion Ratio Lower Upper
73 100
43 20.0 16.8 25.2
57 21.6 17.6 26.4

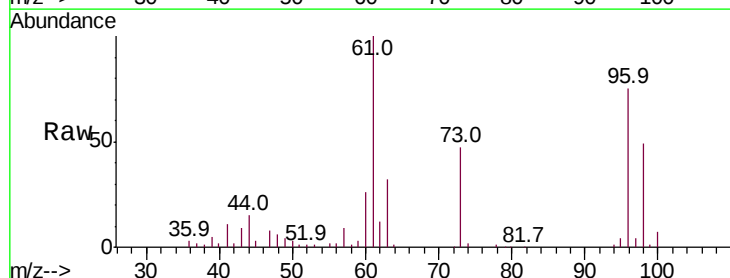


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

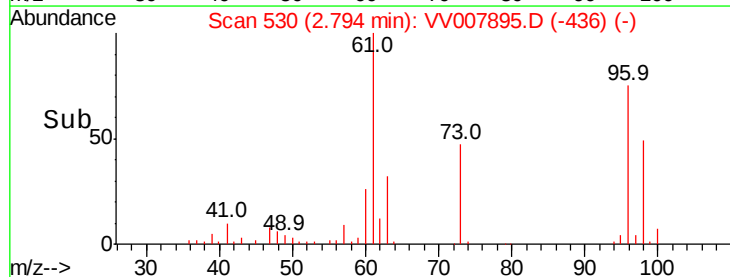
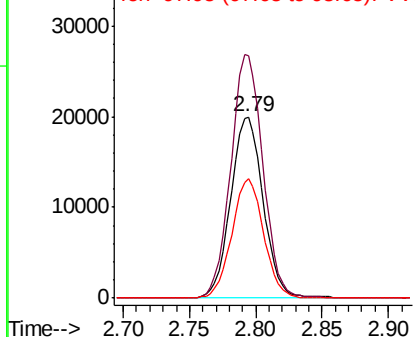


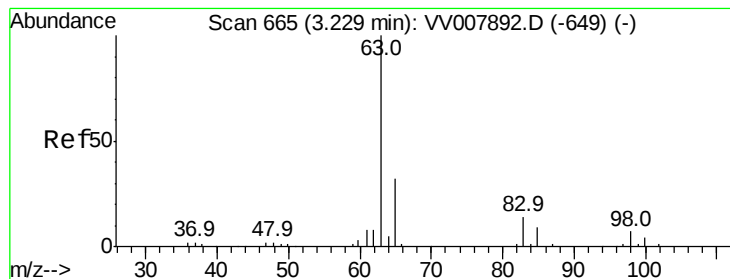
#18
trans-1,2-Dichloroethene
Concen: 4.907 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Tgt Ion: 96 Resp: 33975
Ion Ratio Lower Upper
96 100
61 133.5 94.2 175.0
98 65.6 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.851 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

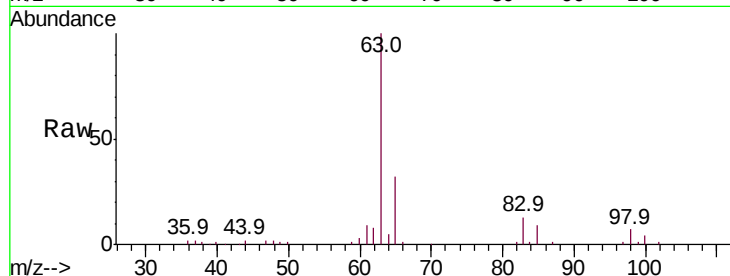
Tot Ion: 63 Resp: 57313

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

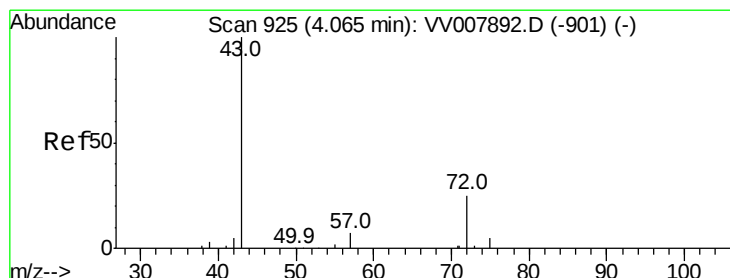
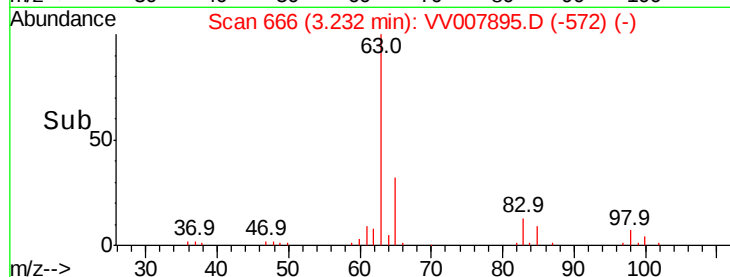
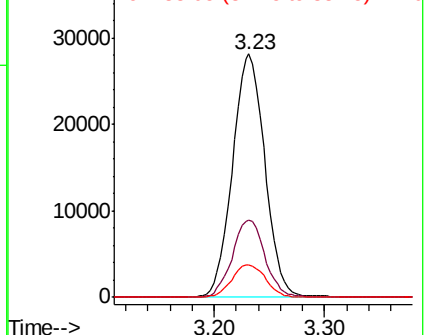
83 13.3 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV007895.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV007895.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV007895.D (-649) (-)



#21

2-Butanone

Concen: 51.833 ug/L

RT: 4.05 min Scan# 920

Delta R.T. -0.02 min

Lab File: VV007895.D

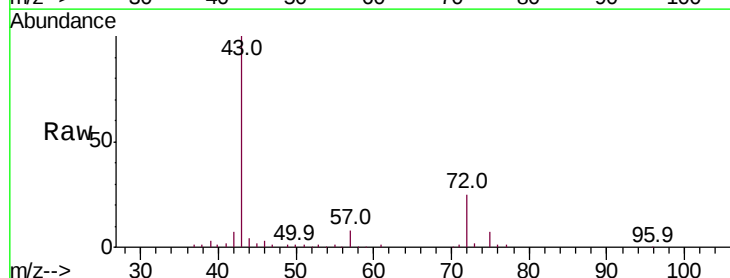
Acq: 26 Sep 2018 20:51

Tgt Ion: 43 Resp: 92193

Ion Ratio Lower Upper

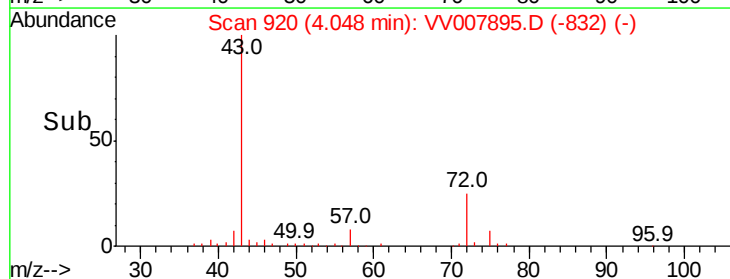
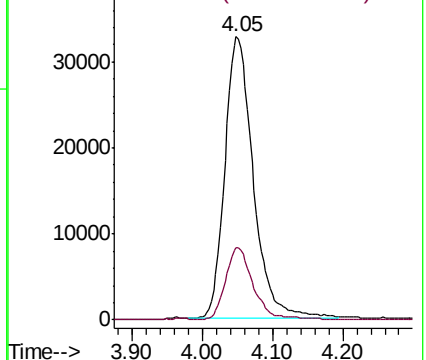
43 100

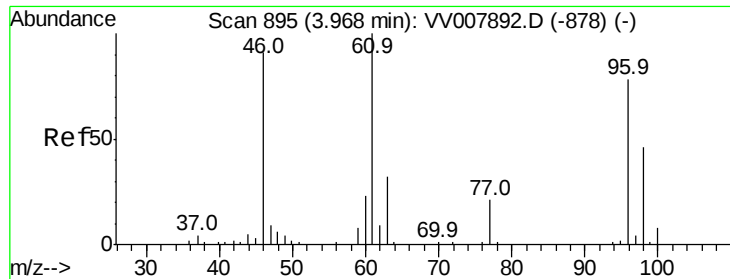
72 25.1 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV007895.D (-832) (-)

Ion 72.10 (71.80 to 72.80): VV007895.D (-832) (-)



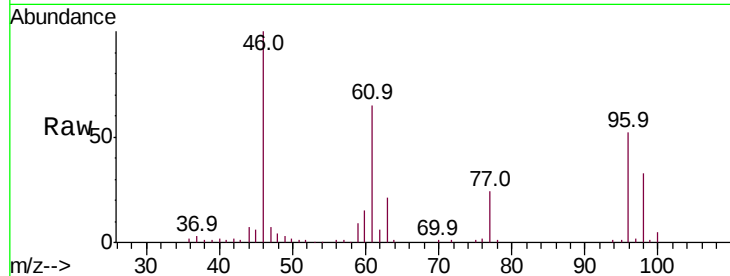


#22

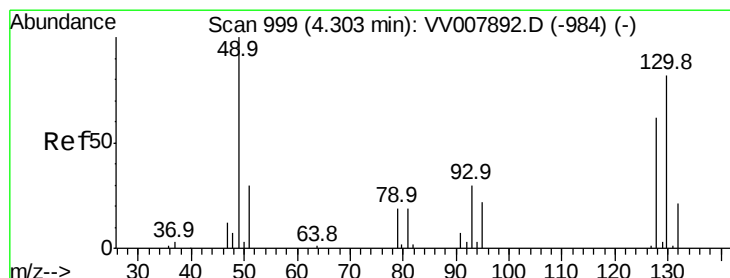
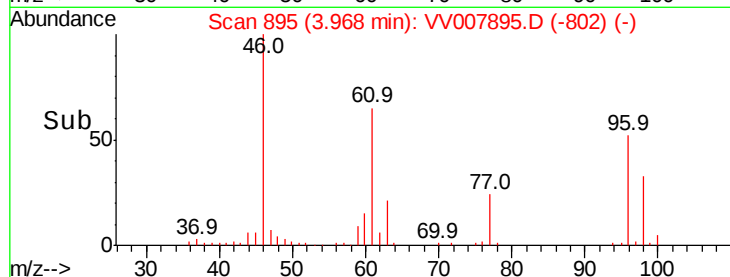
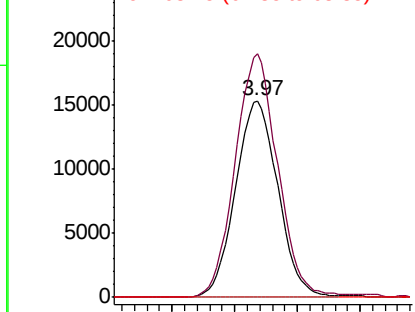
cis-1,2-Dichloroethene
 Concen: 5.140 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 36037
 Ion Ratio Lower Upper
 96 100
 61 124.0 89.5 166.1
 68 0.0 0.0 0.0



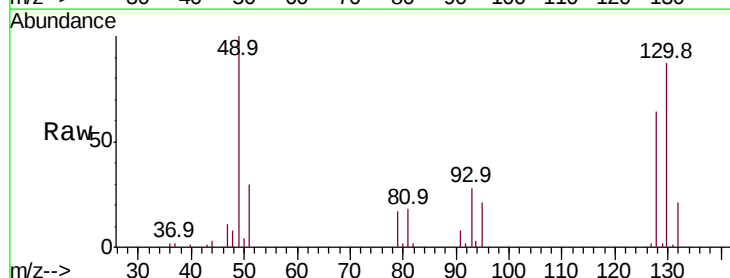
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



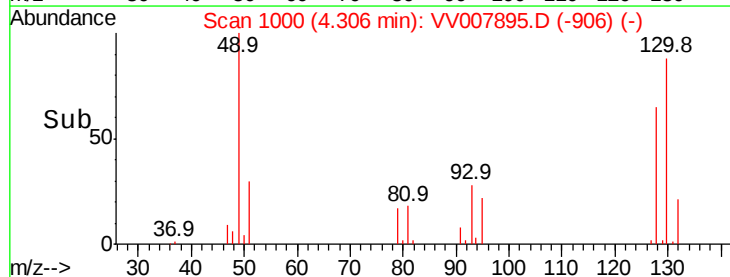
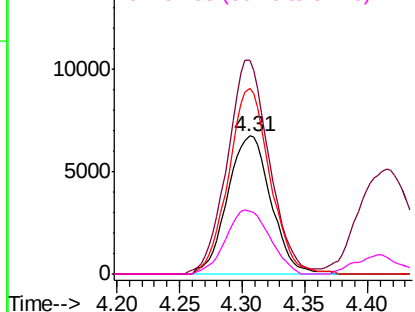
#23

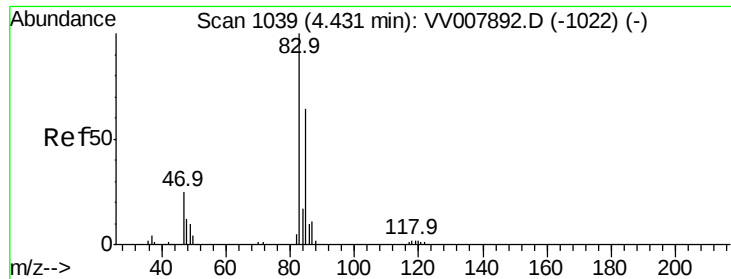
Bromochloromethane
 Concen: 5.304 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion: 128 Resp: 16172
 Ion Ratio Lower Upper
 128 100
 49 155.1 112.8 209.4
 130 134.9 92.3 171.5
 51 46.0 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: 5.023 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :

MSVOA_V

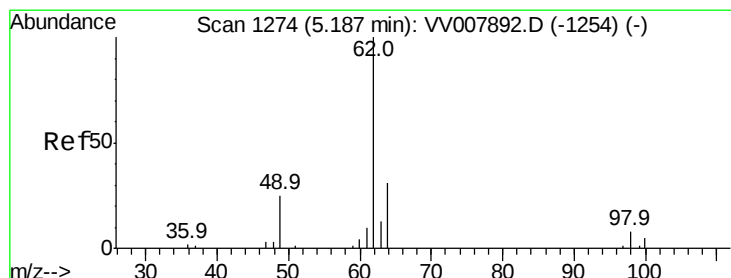
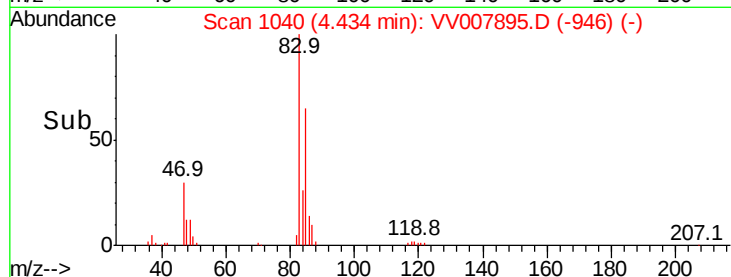
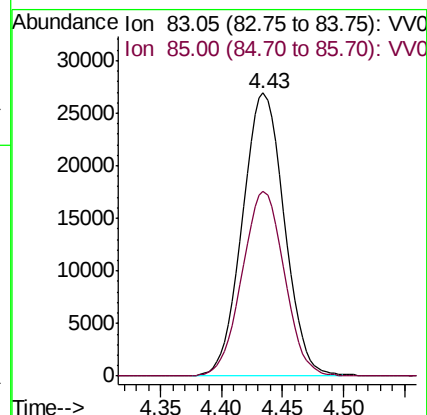
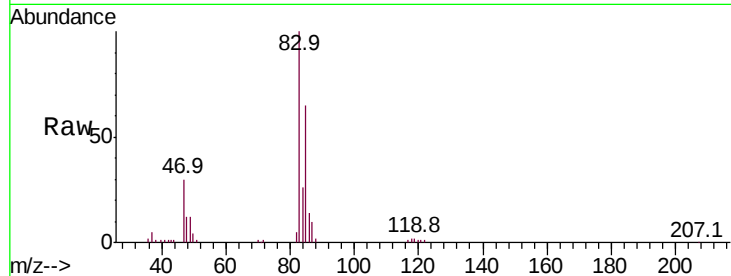
ClientSampled :

Tot Ion: 83 Resp: 64182

Ion Ratio Lower Upper

83 100

85 65.5 44.8 83.2



#27

1,2-Dichloroethane

Concen: 5.138 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VV007895.D

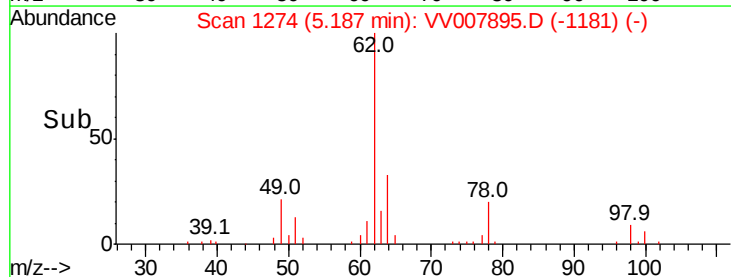
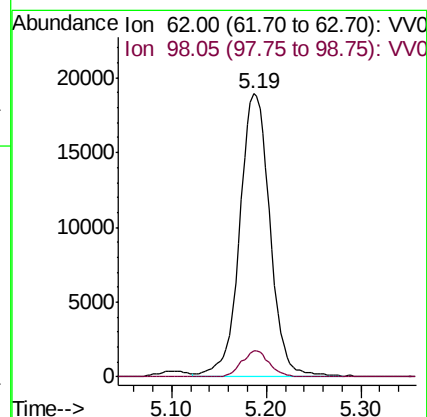
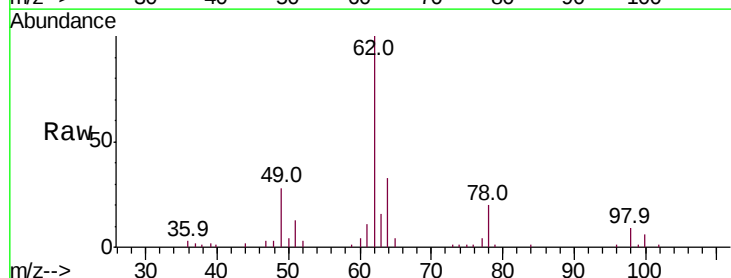
Acq: 26 Sep 2018 20:51

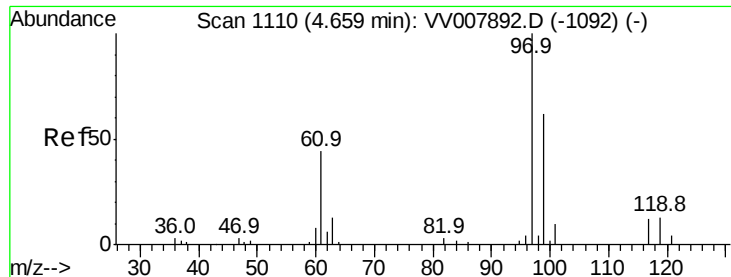
Tgt Ion: 62 Resp: 42250

Ion Ratio Lower Upper

62 100

98 9.1 6.6 10.0

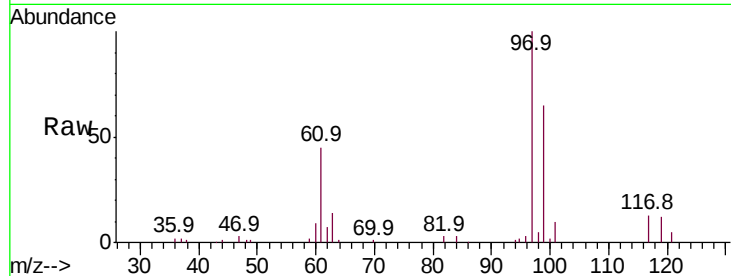




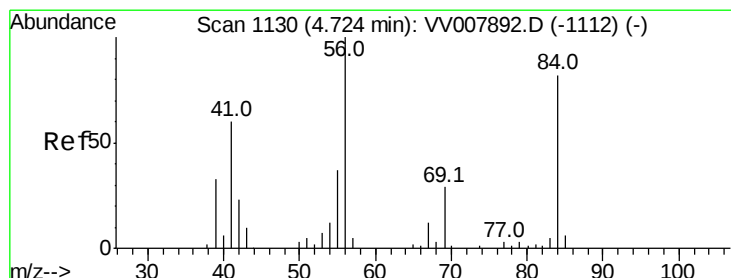
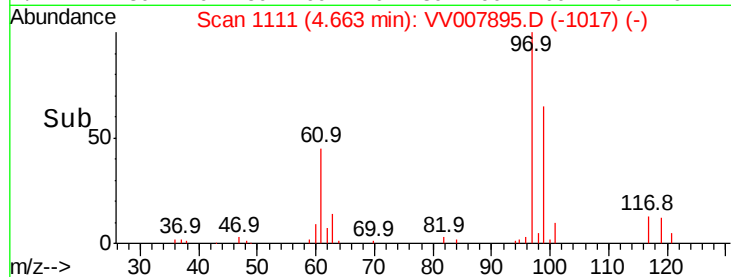
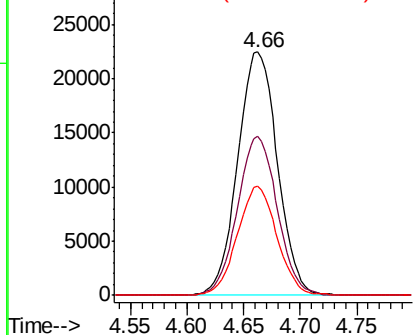
#29
 1,1,1-Trichloroethane
 Concen: 5.054 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 55013
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.2 76.8
 61 44.7 34.6 52.0

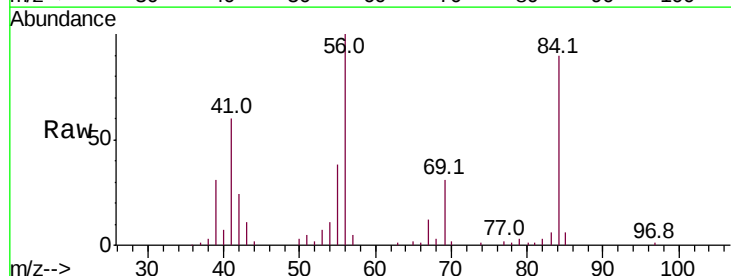


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

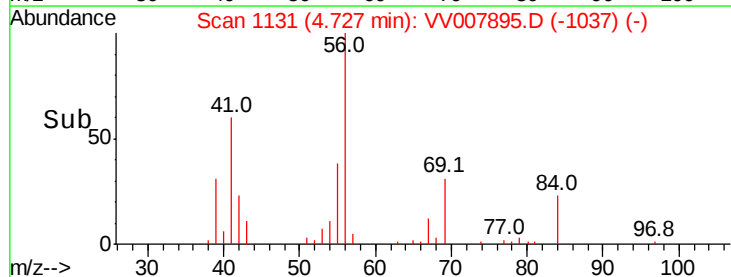
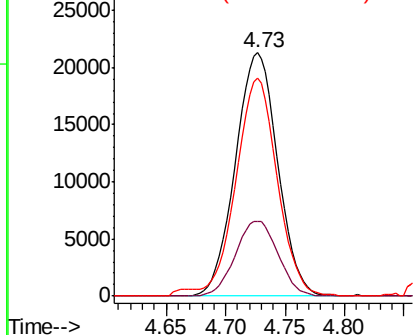


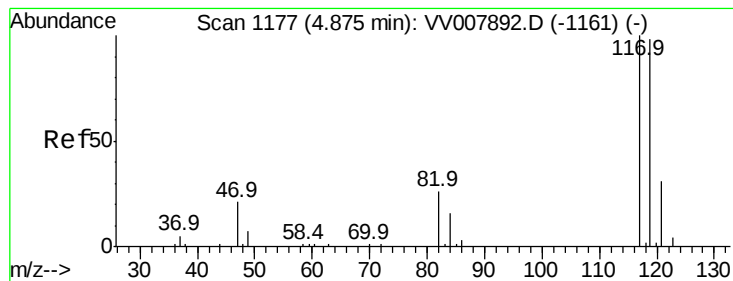
#30
 Cyclohexane
 Concen: 5.124 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion: 56 Resp: 52424
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.2 36.4
 84 87.2 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: 5.139 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

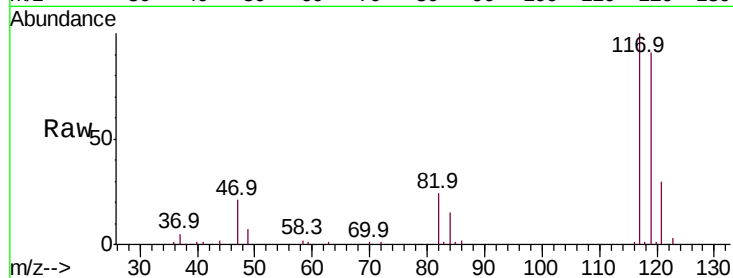
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 49316

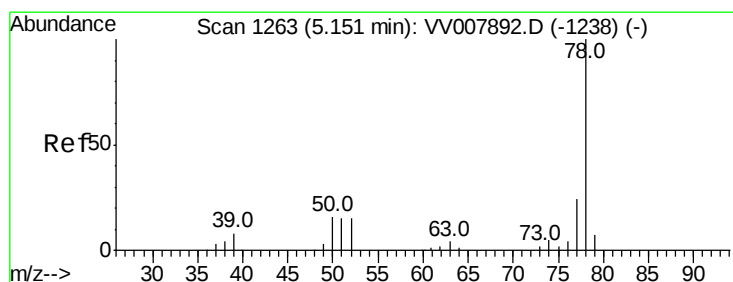
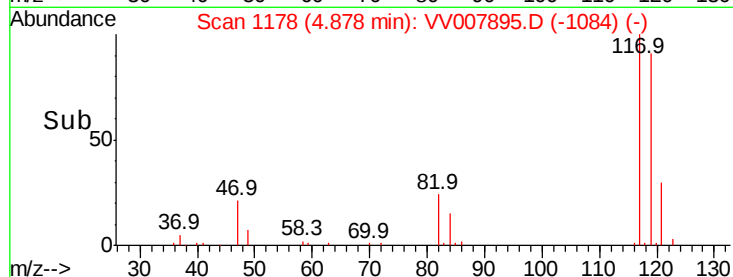
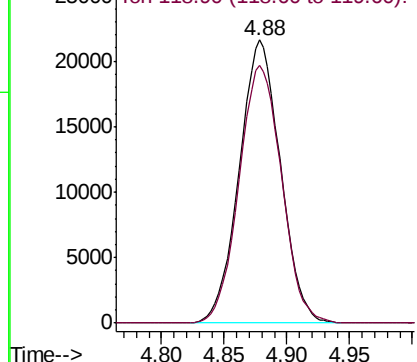
Ion Ratio Lower Upper

117 100

119 93.9 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.094 ug/L

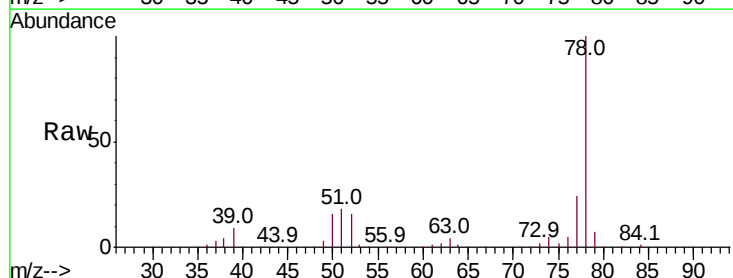
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

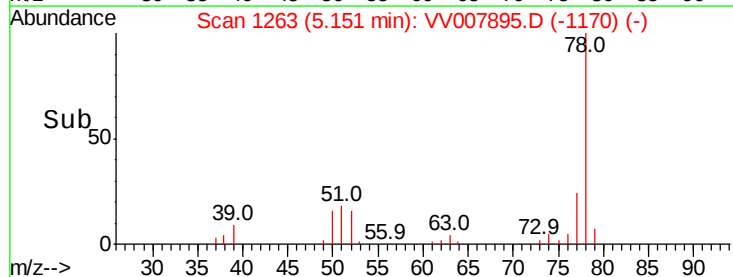
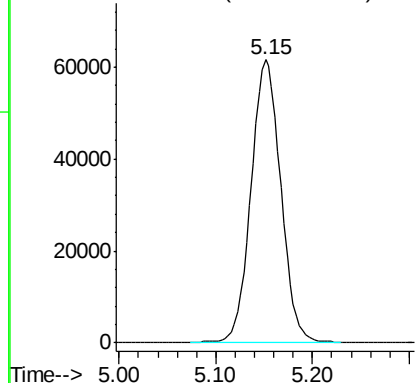
Lab File: VV007895.D

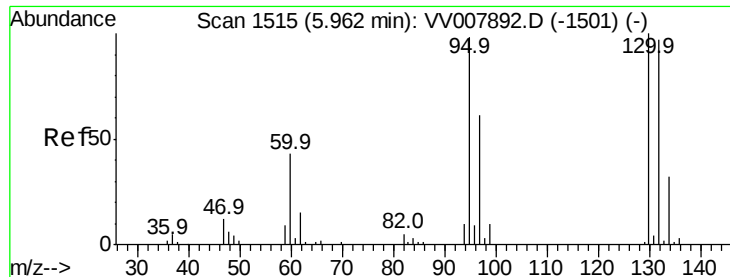
Acq: 26 Sep 2018 20:51

Tgt Ion: 78 Resp: 132028



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.938 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 36650

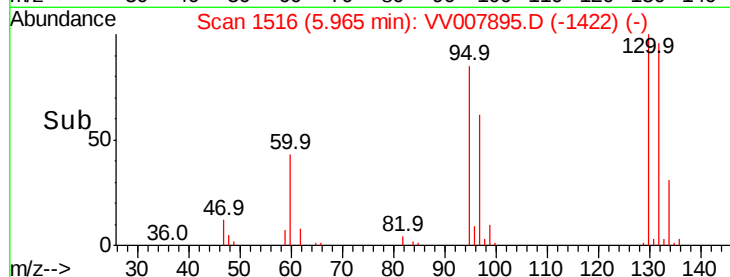
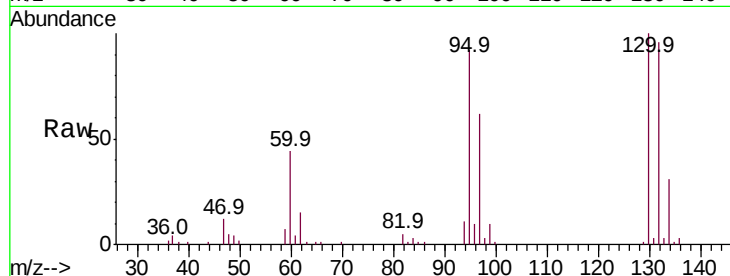
Ion Ratio Lower Upper

95 100

97 67.9 43.6 81.0

132 104.9 69.9 129.9

130 109.0 71.7 133.3

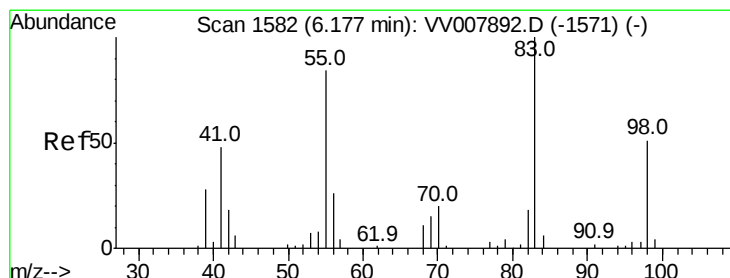
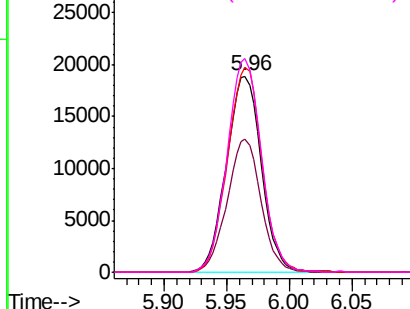


Abundance Ion 95.00 (94.70 to 95.70): VV007895.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV007895.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV007895.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV007895.D (-1422) (-)



#35

Methylcyclohexane

Concen: 4.977 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

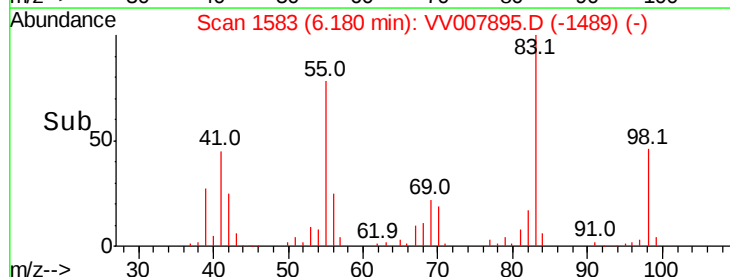
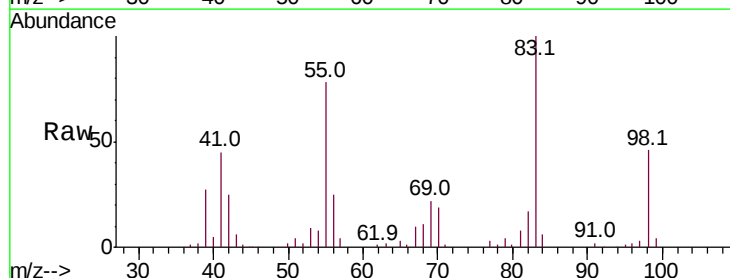
Tgt Ion: 83 Resp: 55386

Ion Ratio Lower Upper

83 100

55 79.6 62.2 93.2

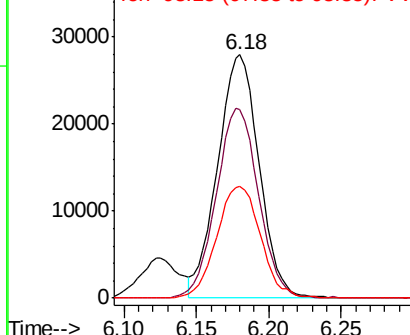
98 48.6 38.0 57.0

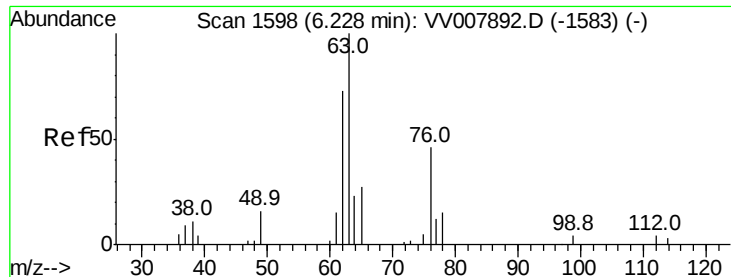


Abundance Ion 83.15 (82.85 to 83.85): VV007895.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV007895.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV007895.D (-1489) (-)

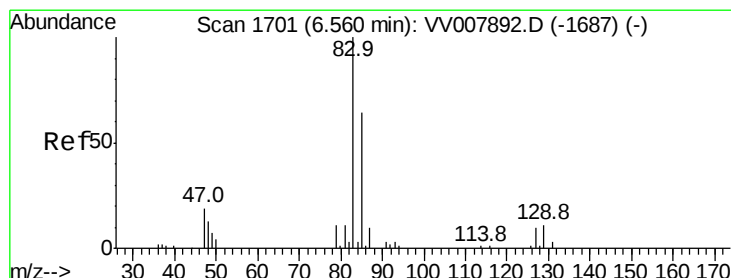
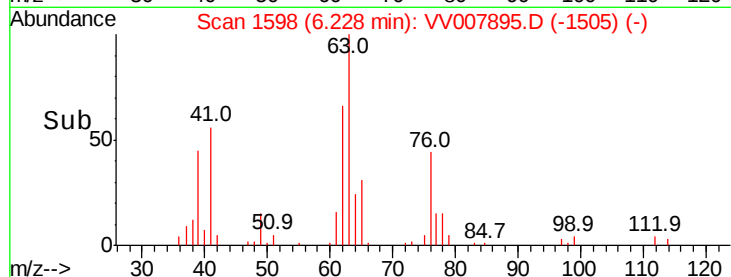
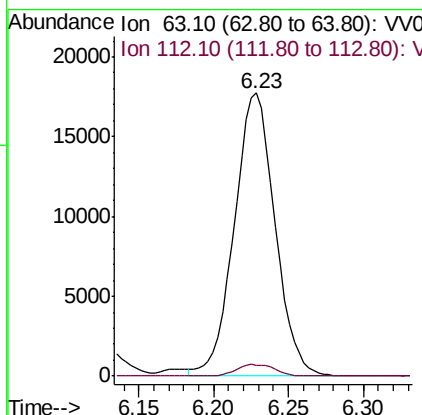
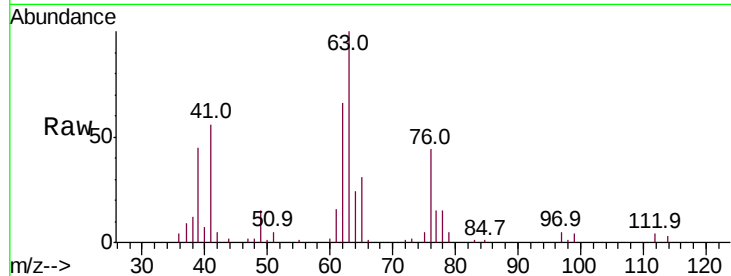




#37
 1,2-Dichloropropane
 Concen: 5.086 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

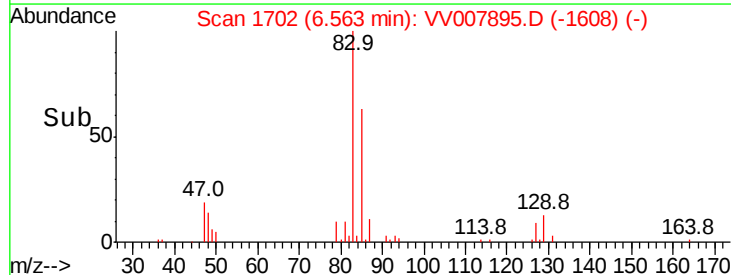
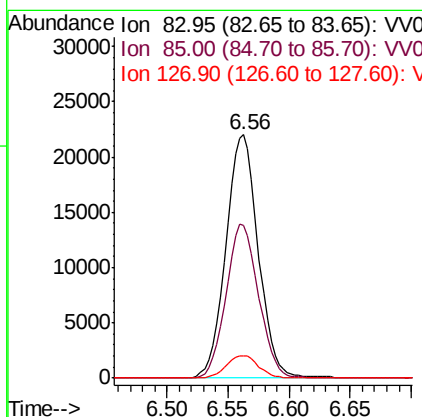
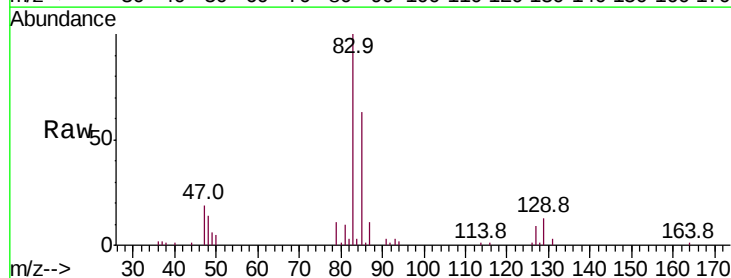
Instrument :
 MSVOA_V
 ClientSampleId :

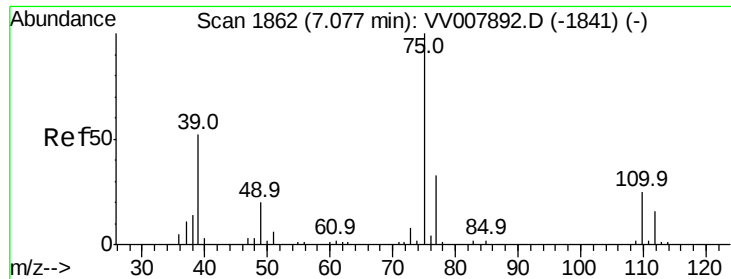
Tot Ion: 63 Resp: 33675
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#38
 Bromodichloromethane
 Concen: 5.143 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion: 83 Resp: 40716
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 82.9
 127 9.3 7.8 11.6

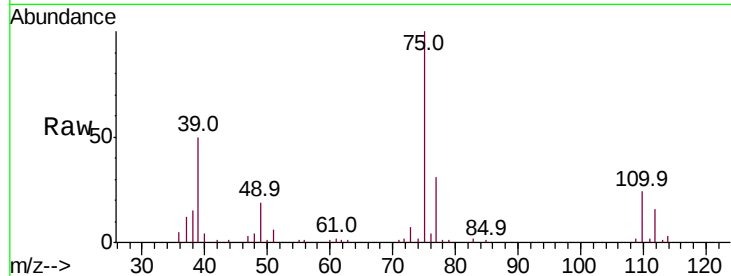




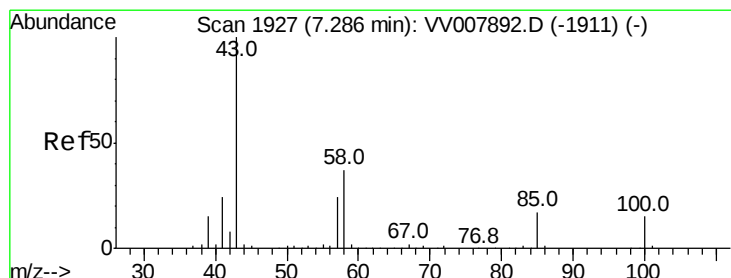
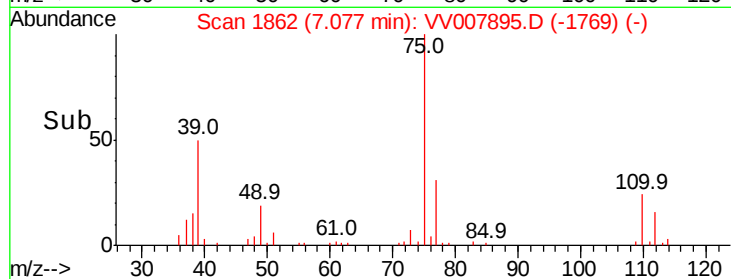
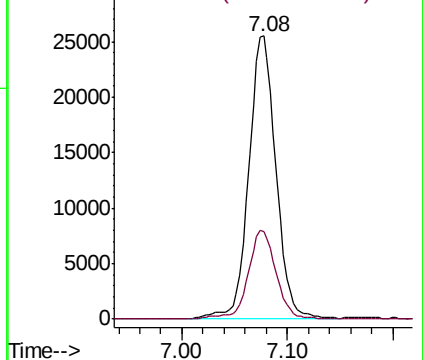
#39
 cis-1,3-Dichloropropene
 Concen: 5.181 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 45895
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.9 42.5

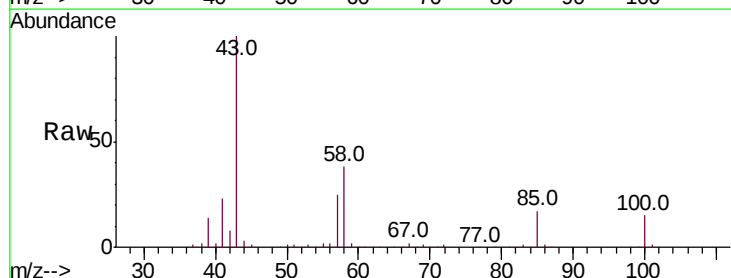


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

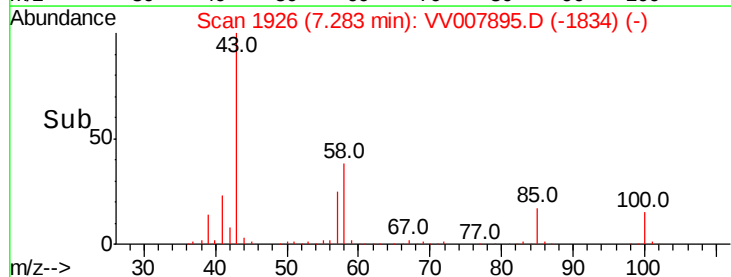
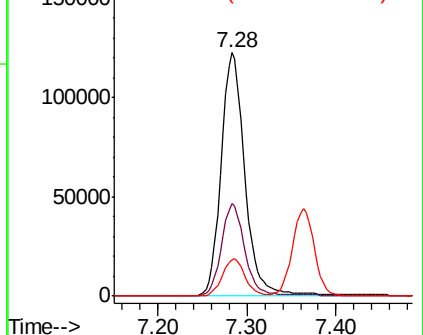


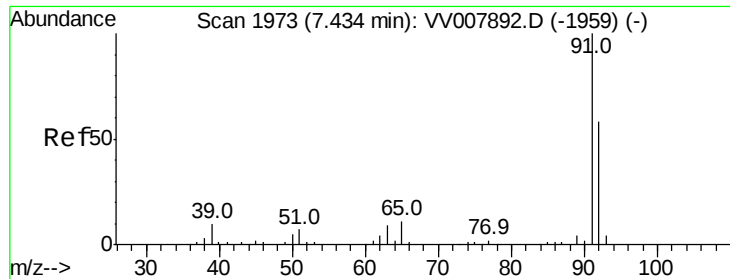
#40
 4-Methyl-2-pentanone
 Concen: 54.743 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion: 43 Resp: 227515
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.4 44.0
 100 14.5 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: 5.229 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

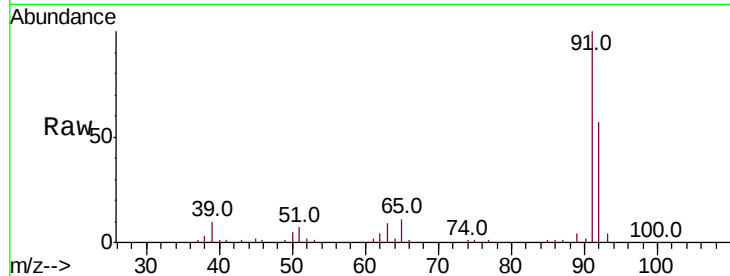
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 147597

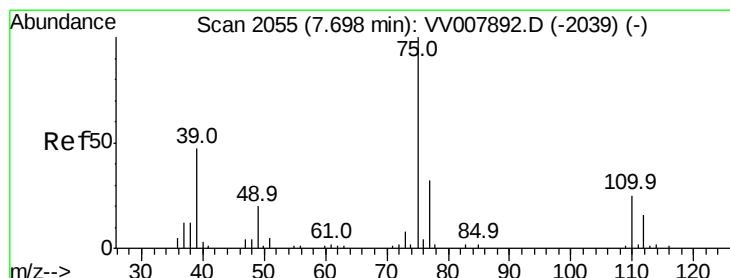
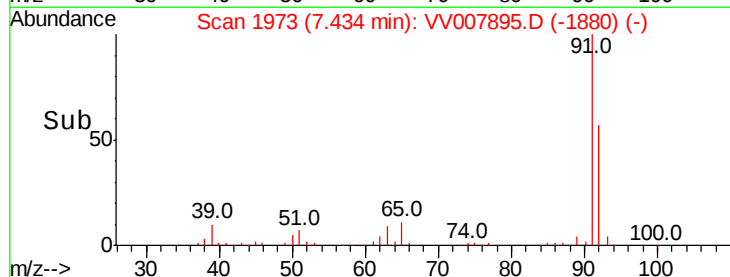
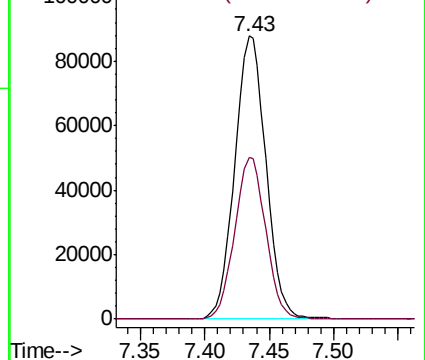
Ion Ratio Lower Upper

91 100

92 57.3 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.251 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007895.D

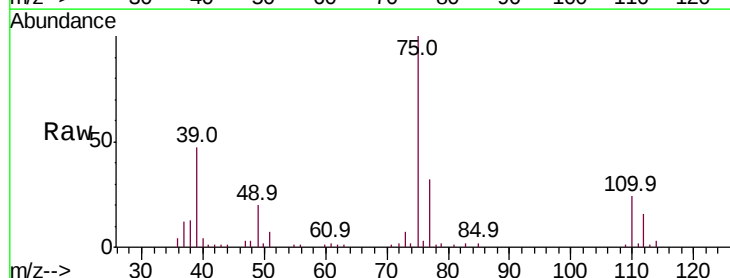
Acq: 26 Sep 2018 20:51

Tgt Ion: 75 Resp: 38659

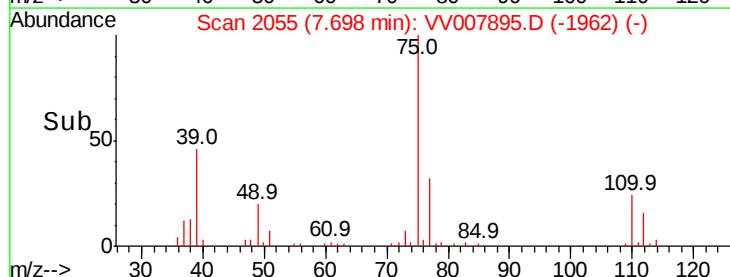
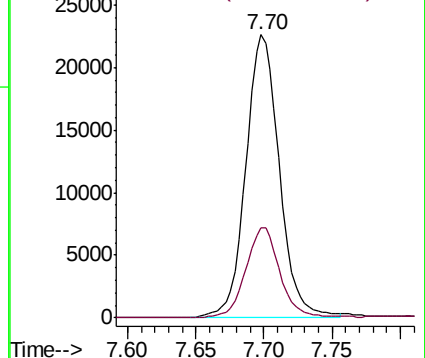
Ion Ratio Lower Upper

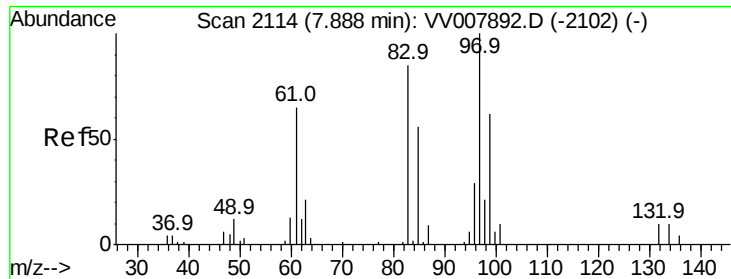
75 100

77 31.7 22.3 41.5



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





#45

1,1,2-Trichloroethane

Concen: 5.250 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 25087

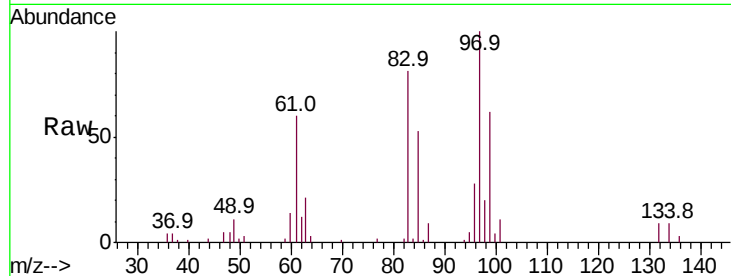
Ion Ratio Lower Upper

97 100

99 61.7 43.5 80.9

83 81.4 59.7 110.9

85 53.3 39.5 73.3

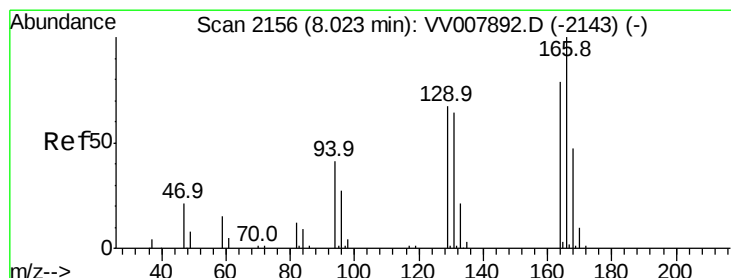
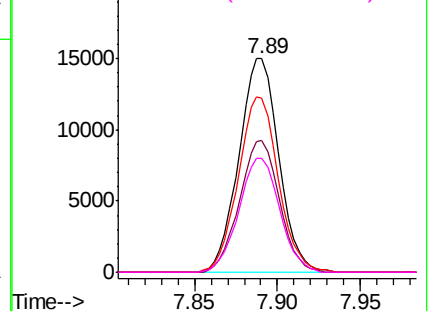
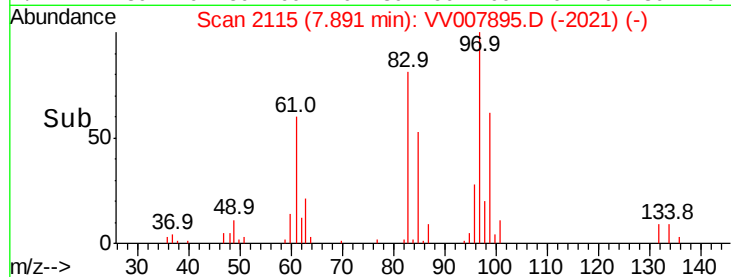


Abundance Ion 96.95 (96.65 to 97.65): VV007895.D (-2102) (-)

Ion 99.05 (98.75 to 99.75): VV007895.D (-2102) (-)

Ion 82.95 (82.65 to 83.65): VV007895.D (-2102) (-)

Ion 85.00 (84.70 to 85.70): VV007895.D (-2102) (-)



#47

Tetrachloroethene

Concen: 5.100 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Tgt Ion: 164 Resp: 35071

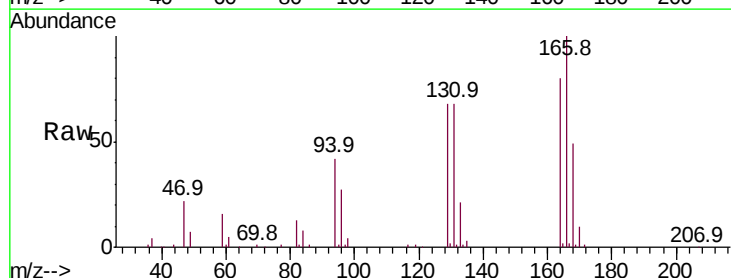
Ion Ratio Lower Upper

164 100

129 85.1 59.2 110.0

131 85.3 57.1 106.1

166 125.7 88.6 164.6

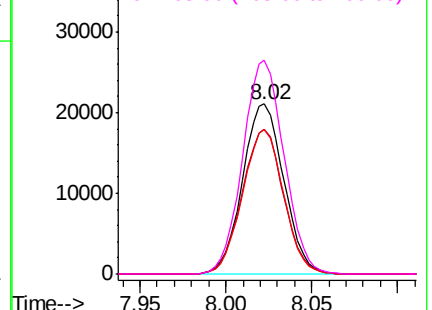
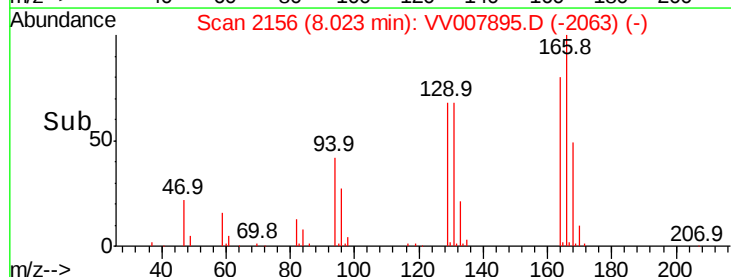


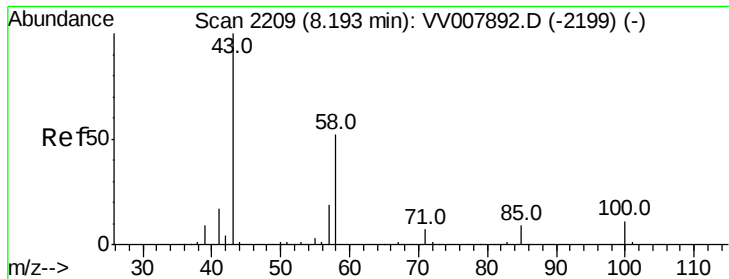
Abundance Ion 163.90 (163.60 to 164.60): VV007895.D (-2063) (-)

Ion 128.95 (128.65 to 129.65): VV007895.D (-2063) (-)

Ion 130.95 (130.65 to 131.65): VV007895.D (-2063) (-)

Ion 165.90 (165.60 to 166.60): VV007895.D (-2063) (-)

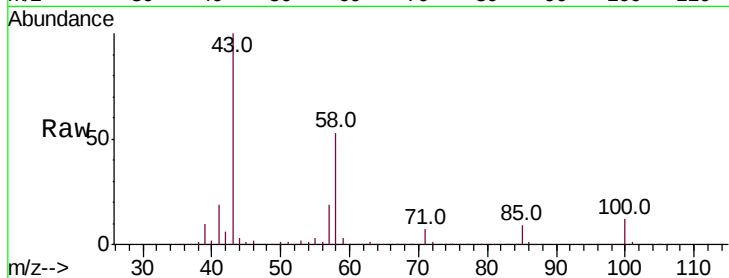




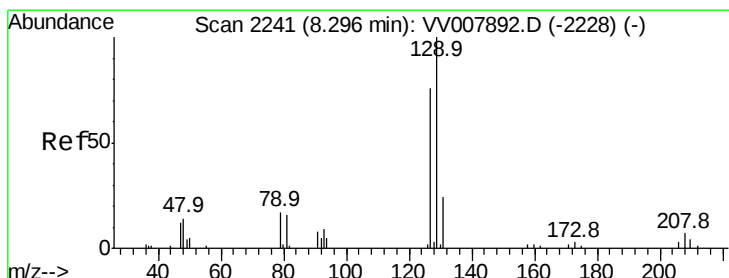
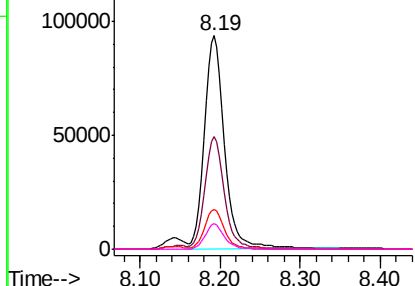
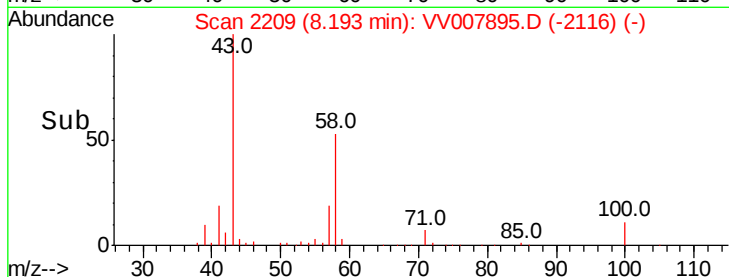
#48
2-Hexanone
Concen: 56.722 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 163957
Ion Ratio Lower Upper
43 100
58 50.7 41.9 62.9
57 18.3 14.3 21.5
100 11.4 9.2 13.8

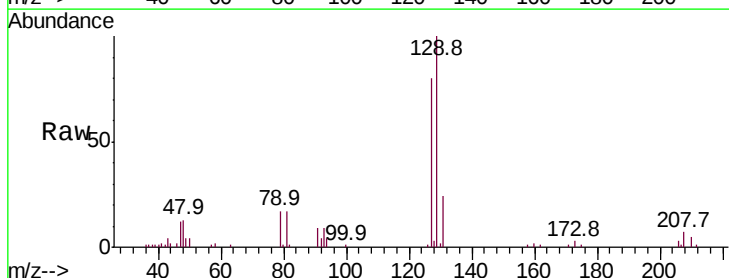


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

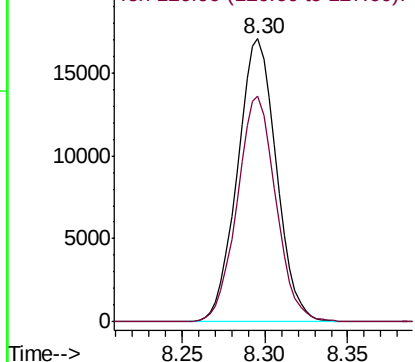
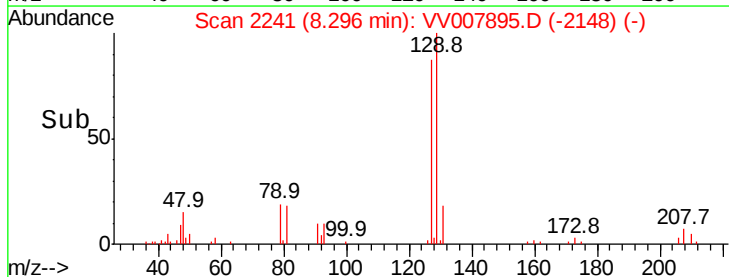


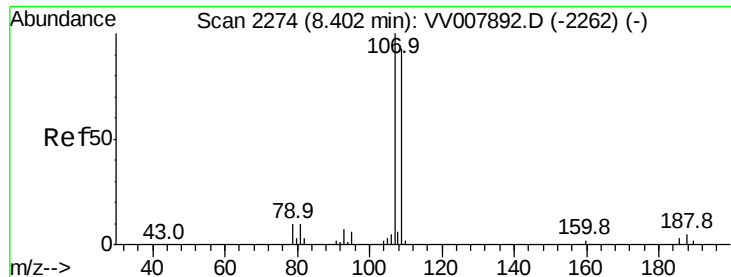
#49
Dibromochloromethane
Concen: 5.116 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Tgt Ion: 129 Resp: 27906
Ion Ratio Lower Upper
129 100
127 79.7 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

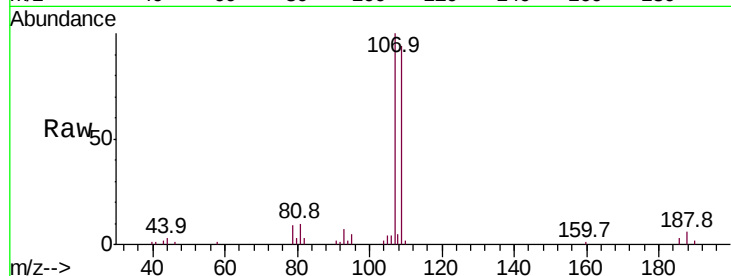




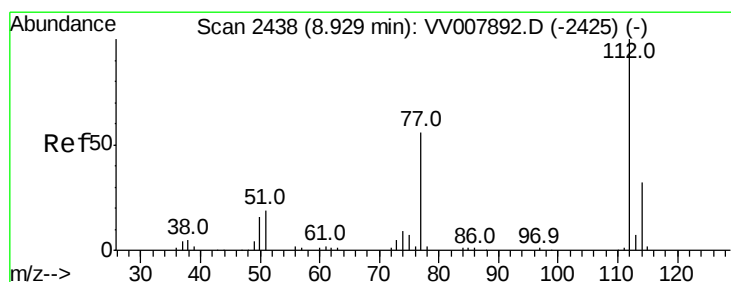
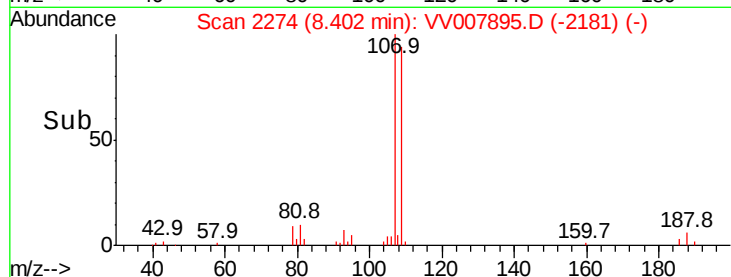
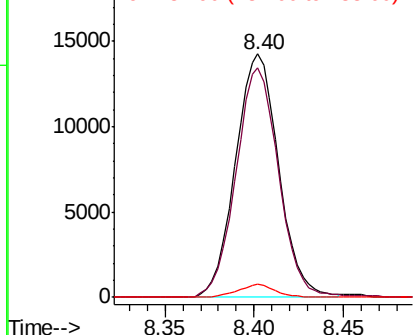
#50
 1,2-Dibromoethane
 Concen: 5.481 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	64.9	120.5
188	5.6	4.0	6.0

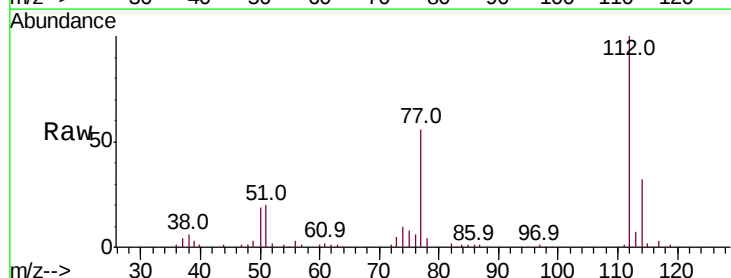


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

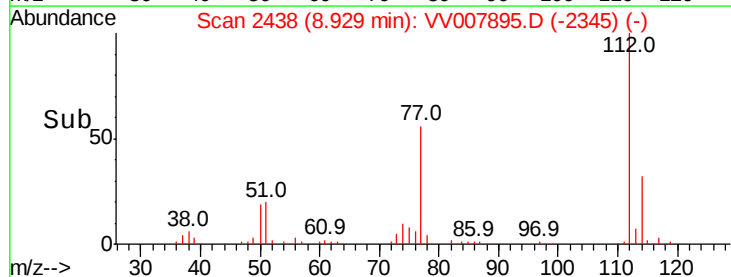
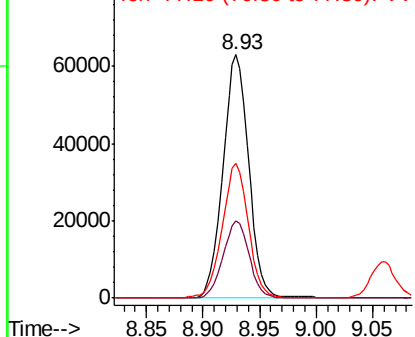


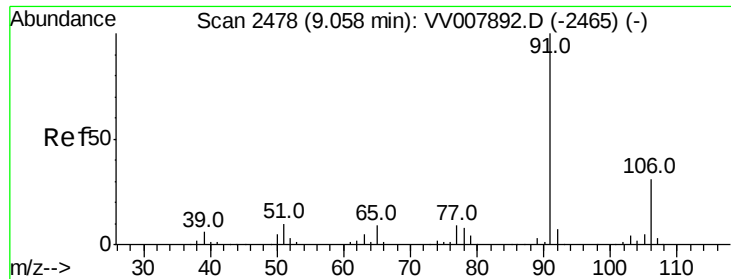
#51
 Chlorobenzene
 Concen: 5.111 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	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

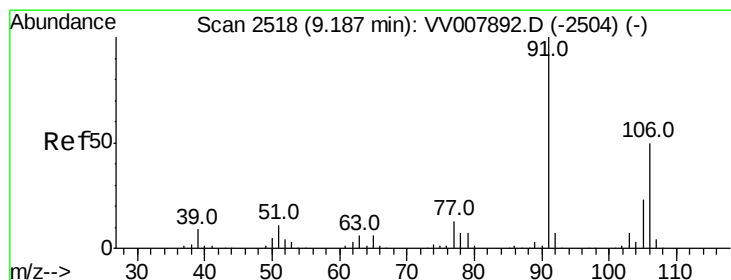
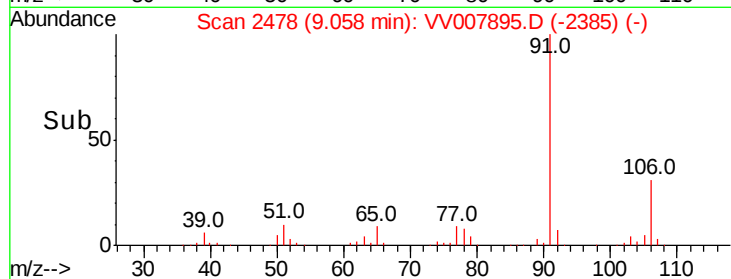
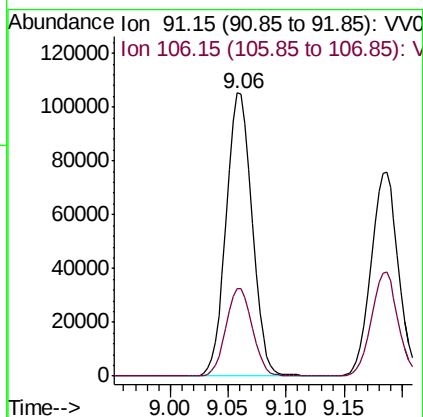
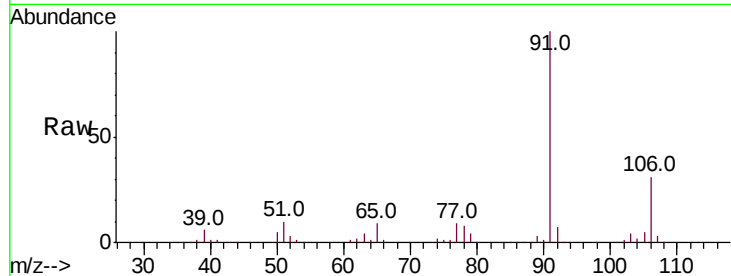




#52
Ethylbenzene
Concen: 5.178 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

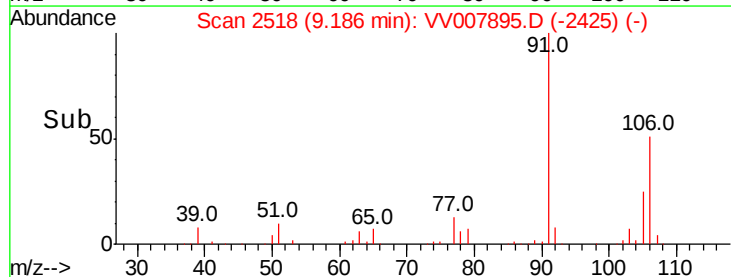
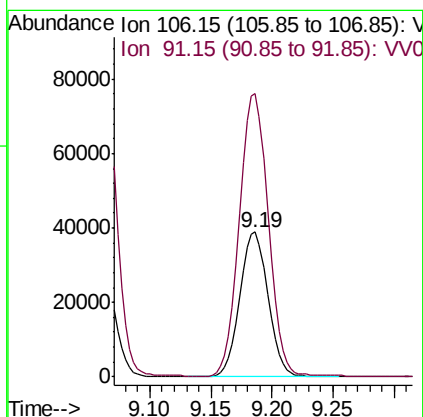
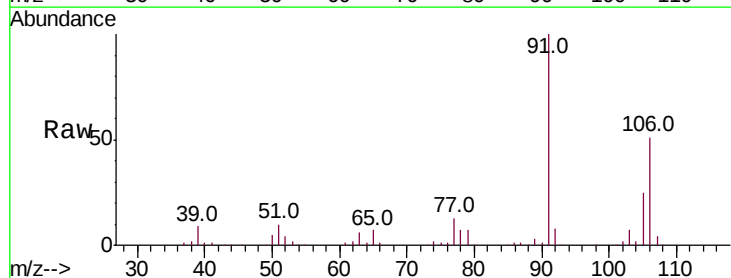
Instrument :
MSVOA_V
ClientSampled :

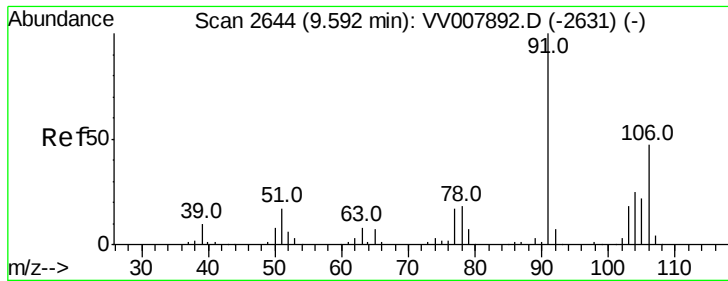
Tot Ion: 91 Resp: 163042
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3



#53
m,p-xylene
Concen: 5.213 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Tgt Ion: 106 Resp: 62510
Ion Ratio Lower Upper
106 100
91 195.3 139.4 258.8

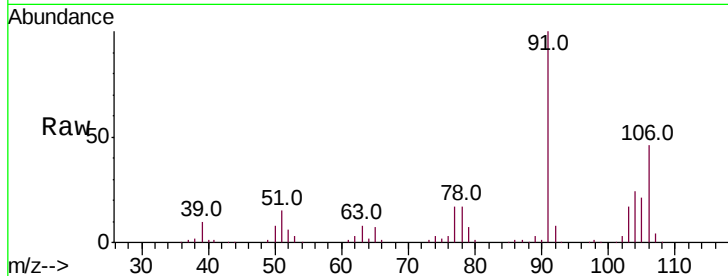




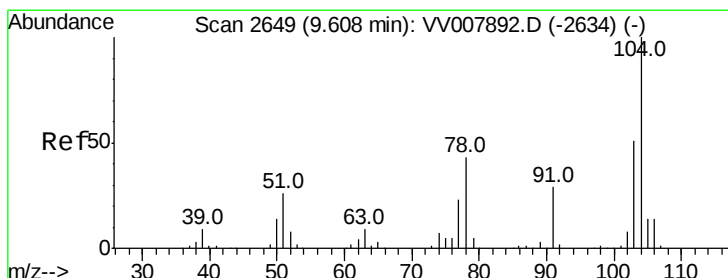
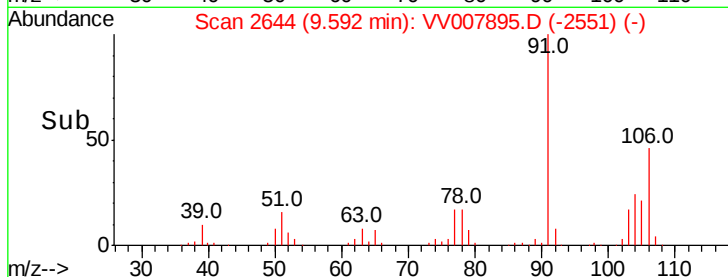
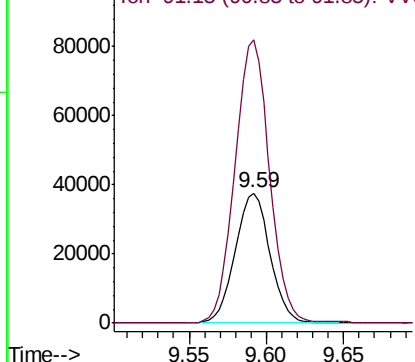
#54
o-xylene
Concen: 5.070 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 58715
Ion Ratio Lower Upper
106 100
91 218.0 150.1 278.9

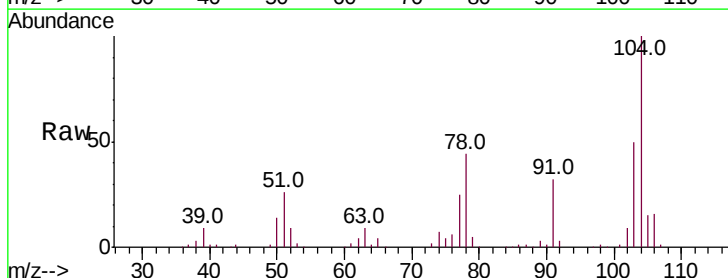


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

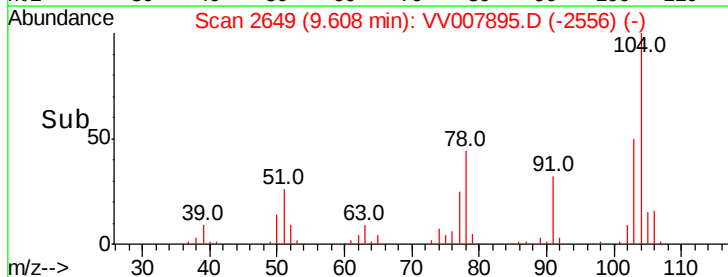
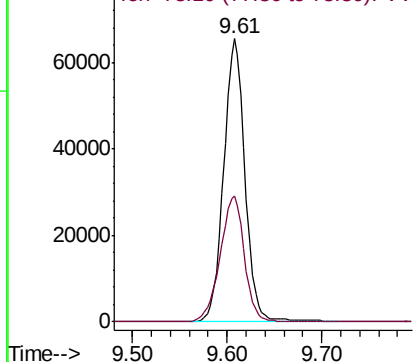


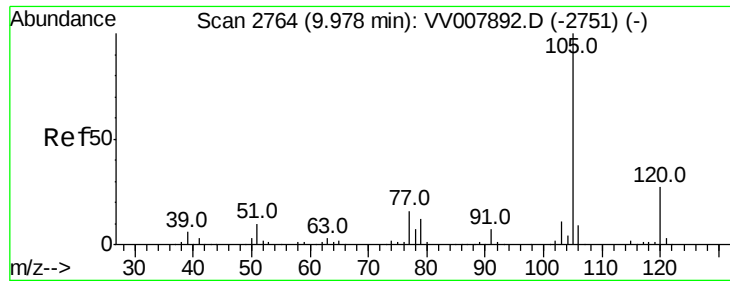
#55
Styrene
Concen: 5.183 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007895.D
Acq: 26 Sep 2018 20:51

Tgt Ion:104 Resp: 102521
Ion Ratio Lower Upper
104 100
78 44.3 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: 5.179 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :
MSVOA_V
ClientSampled :

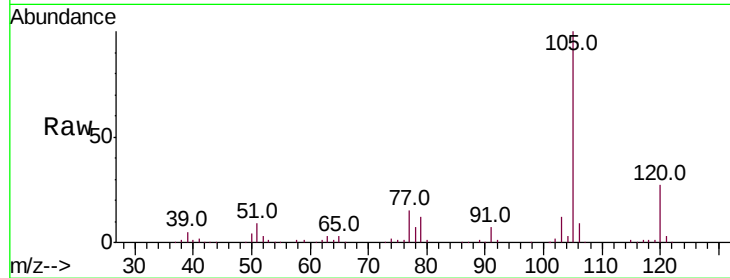
Tot Ion:105 Resp: 162448

Ion Ratio Lower Upper

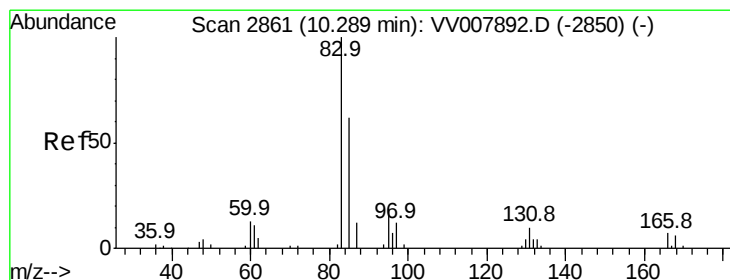
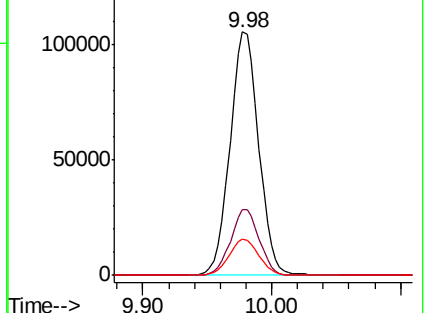
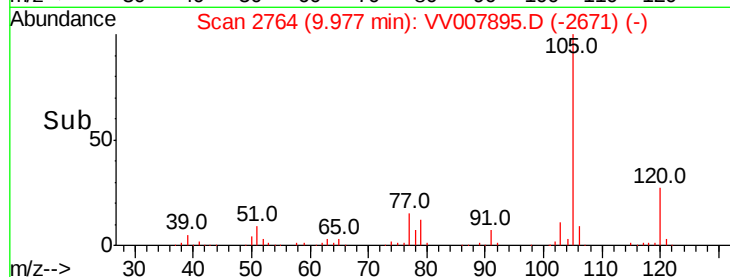
105 100

120 26.9 21.4 32.0

77 15.5 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: 5.391 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

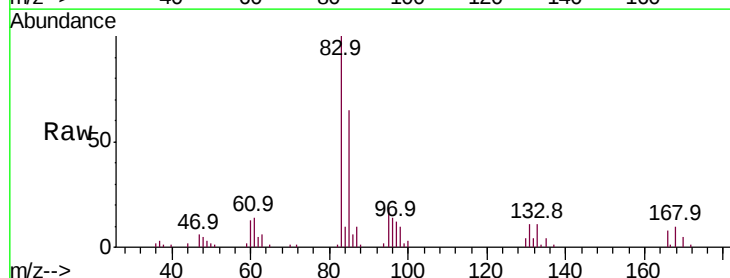
Tgt Ion: 83 Resp: 30256

Ion Ratio Lower Upper

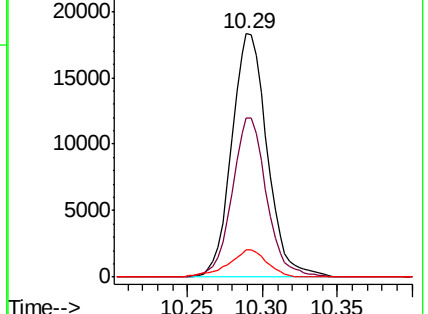
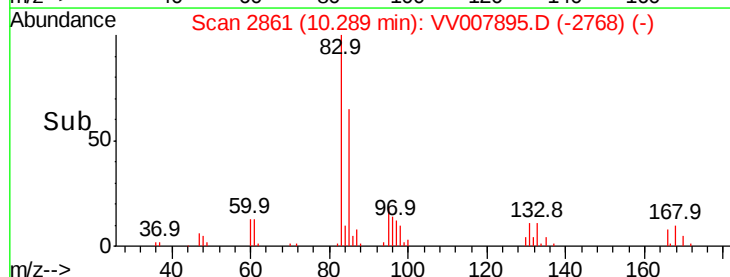
83 100

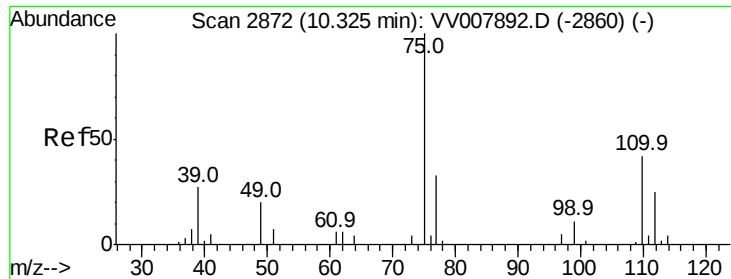
85 65.4 43.7 81.1

131 11.1 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

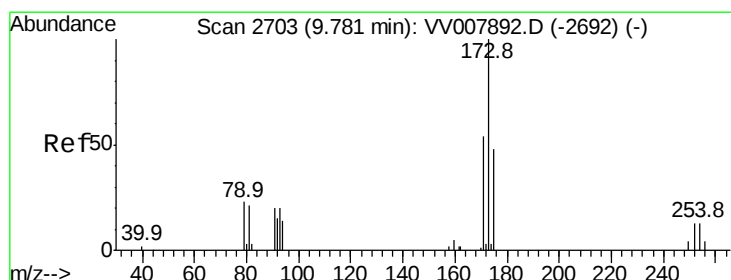
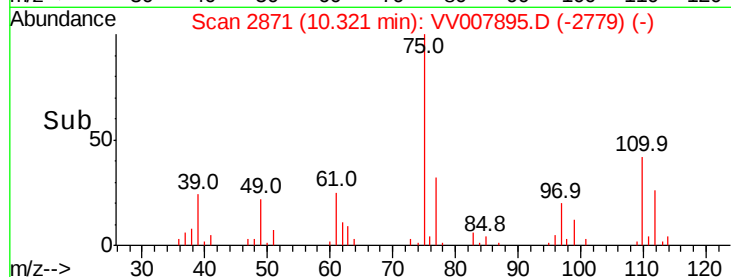
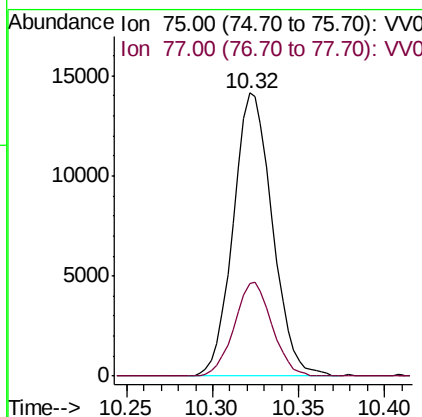
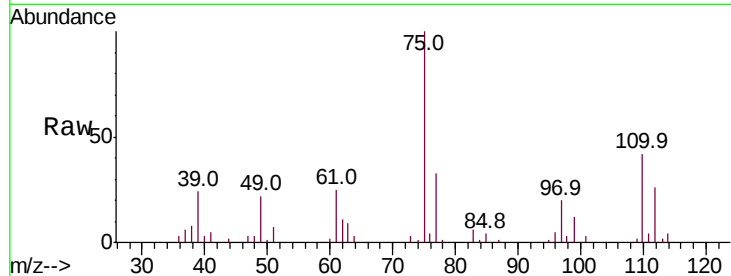




#59
 1,2,3-Trichloropropane
 Concen: 5.444 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

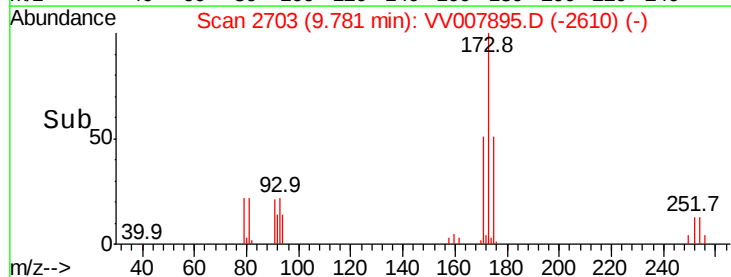
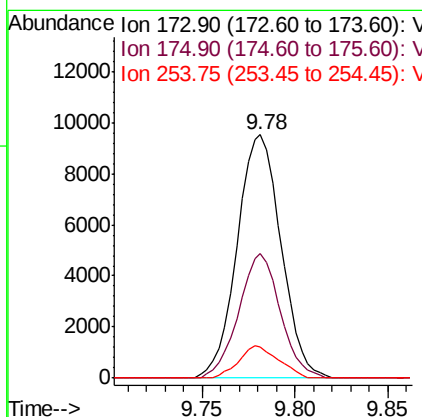
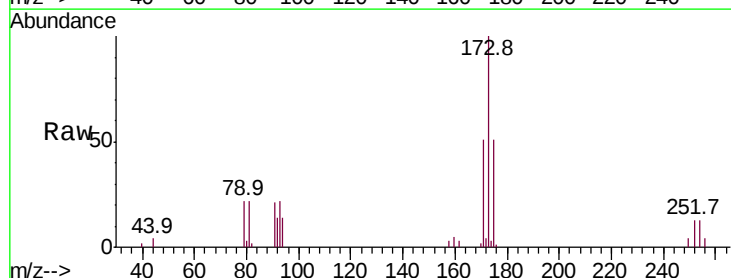
Instrument :
 MSVOA_V
 ClientSampleId :

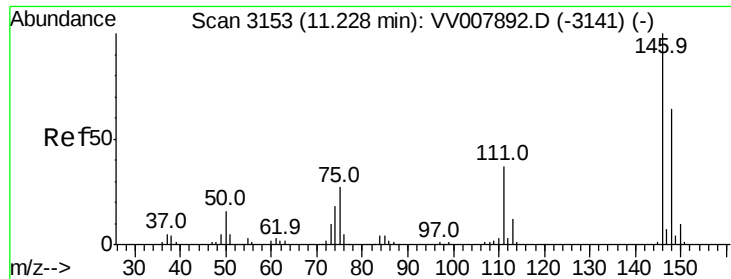
Tot Ion: 75 Resp: 22429
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.4 39.6



#61
 Bromoform
 Concen: 5.170 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion:173 Resp: 15625
 Ion Ratio Lower Upper
 173 100
 175 48.5 41.0 61.6
 254 11.9 9.6 14.4

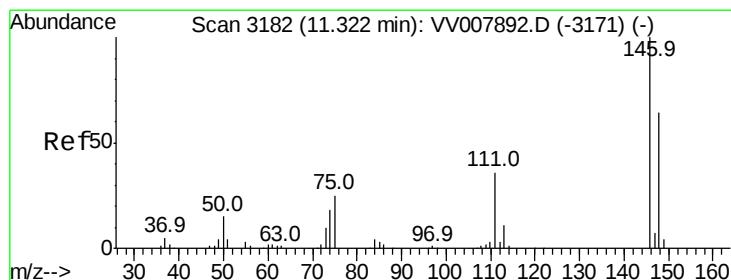
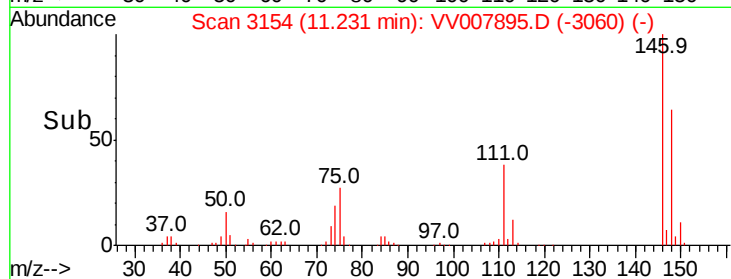
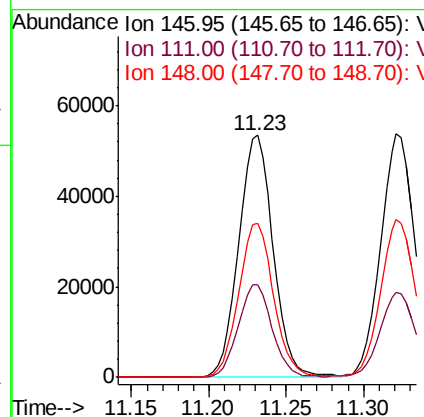
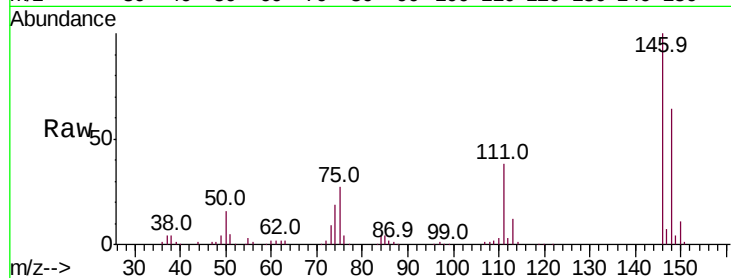




#62
 1,3-Dichlorobenzene
 Concen: 4.987 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

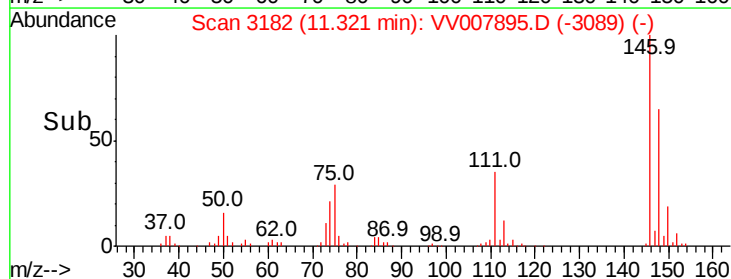
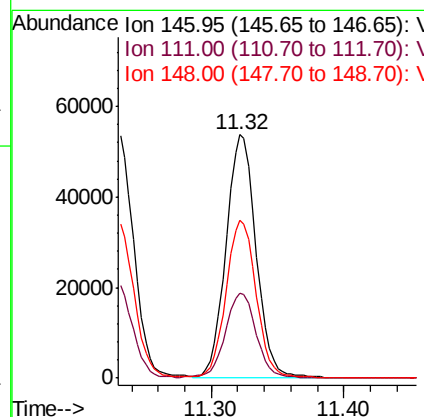
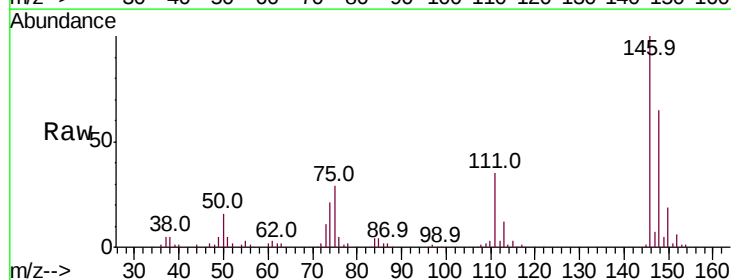
Instrument :
 MSVOA_V
 ClientSampleId :

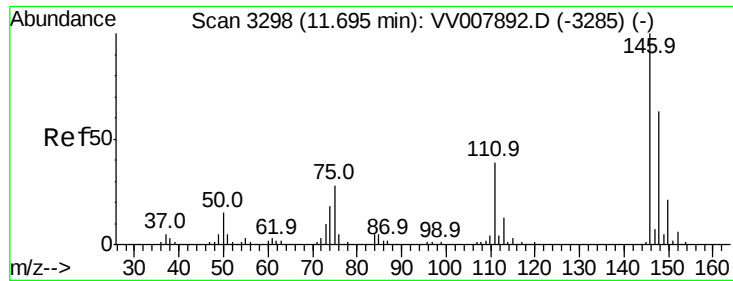
Tot Ion:146 Resp: 82845
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.8 48.0
 148 63.5 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.900 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion:146 Resp: 84645
 Ion Ratio Lower Upper
 146 100
 111 34.9 25.3 47.1
 148 64.9 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 5.065 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

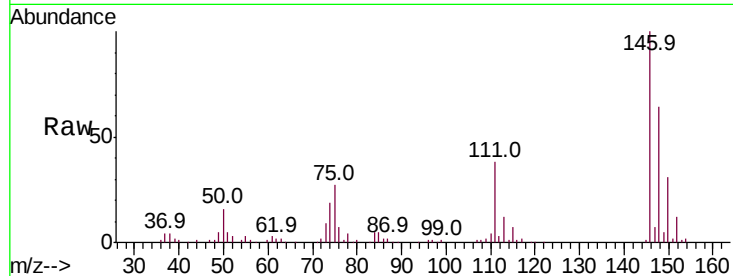
Tot Ion:146 Resp: 79331

Ion Ratio Lower Upper

146 100

111 37.7 31.2 46.8

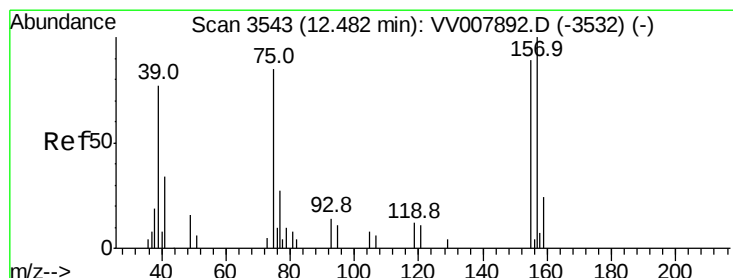
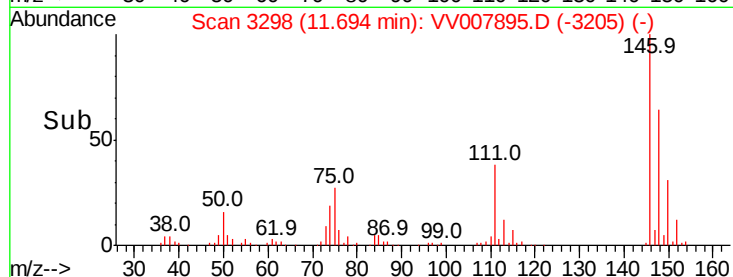
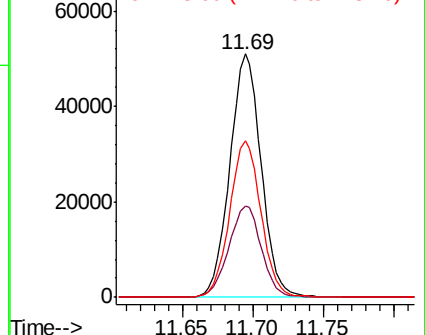
148 64.2 50.3 75.5



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: 5.581 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

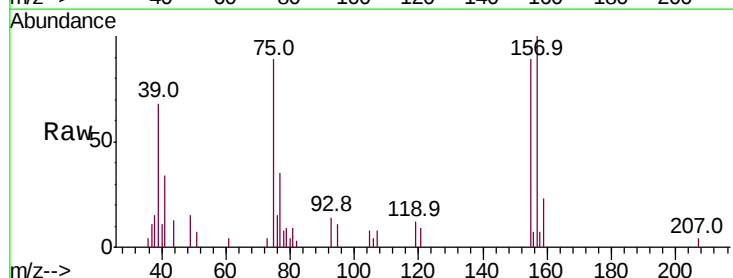
Tgt Ion: 75 Resp: 4452

Ion Ratio Lower Upper

75 100

155 100.1 83.4 125.2

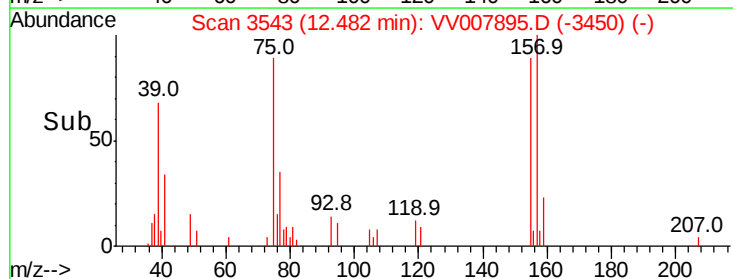
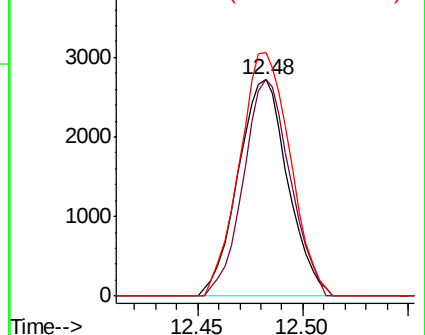
157 112.4 93.9 140.9

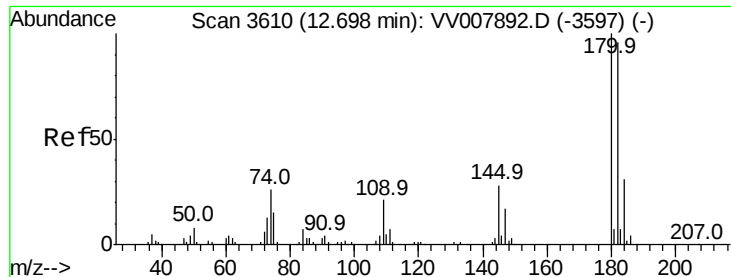


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

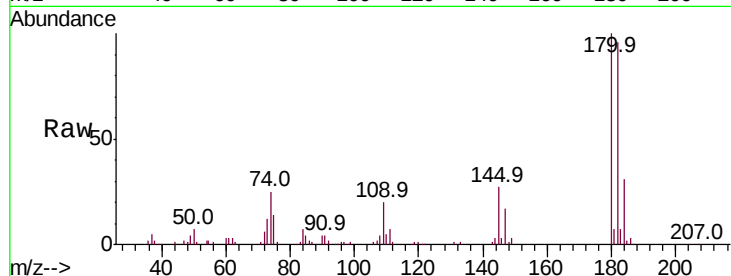




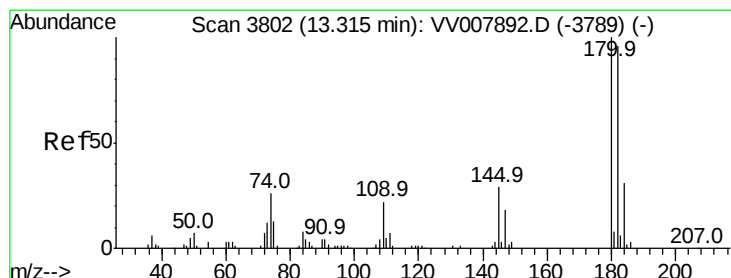
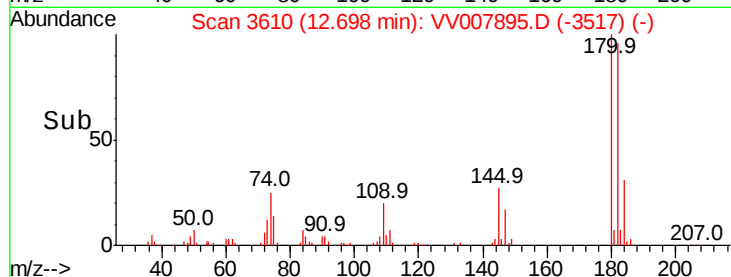
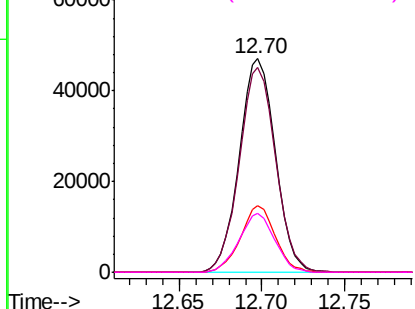
#67
 1,3,5-Trichlorobenzene
 Concen: 5.007 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	71222
Ion Ratio	Lower	Upper
180 100		
182 96.7	76.2	114.4
184 30.1	24.5	36.7
145 27.1	22.2	33.4

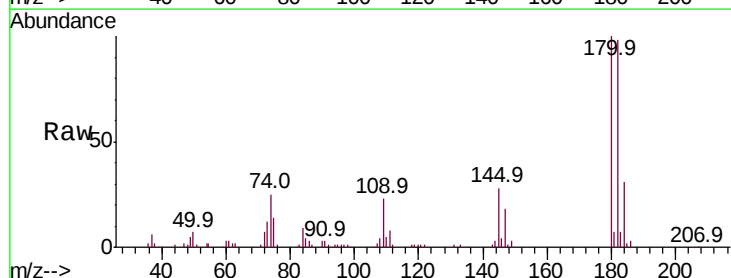


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

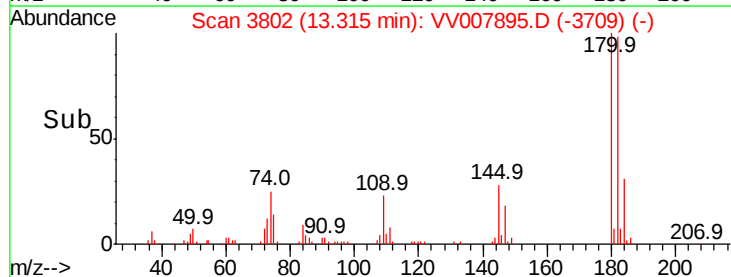
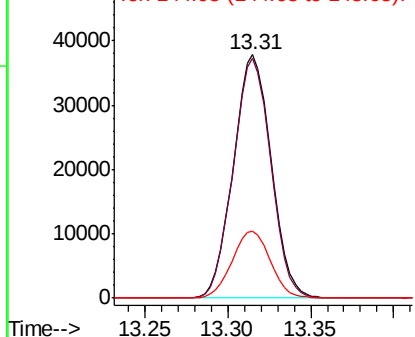


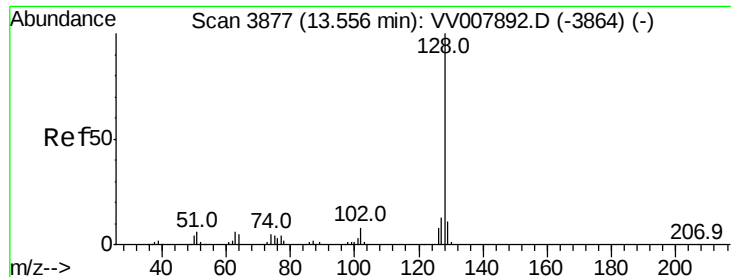
#68
 1,2,4-trichlorobenzene
 Concen: 4.997 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007895.D
 Acq: 26 Sep 2018 20:51

Tgt Ion:180	Resp: 60078
Ion Ratio	Lower Upper
180 100	
182 97.6	77.4 116.2
145 27.9	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: 5.299 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

Instrument :

MSVOA_V

ClientSampleId :

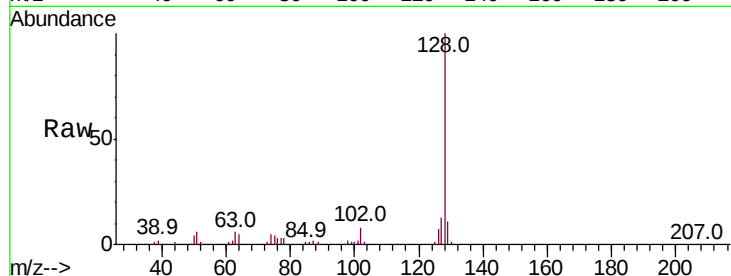
Tot Ion:128 Resp: 89120

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

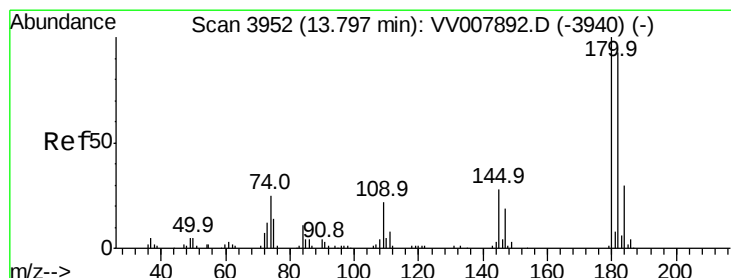
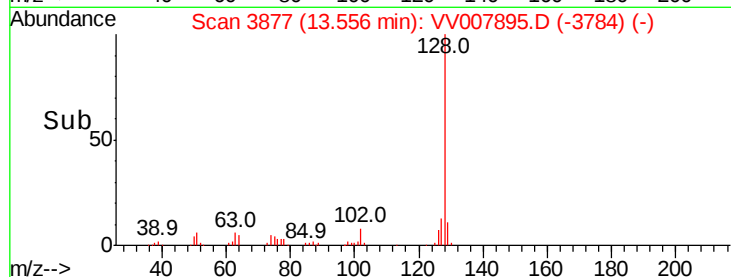
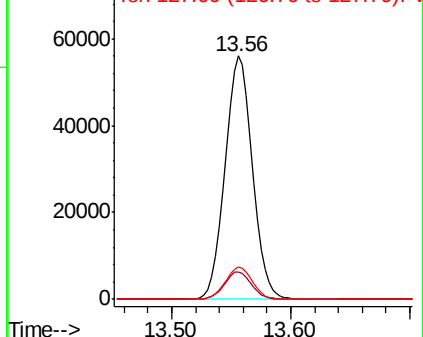
127 13.2 10.3 15.5



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: 5.094 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007895.D

Acq: 26 Sep 2018 20:51

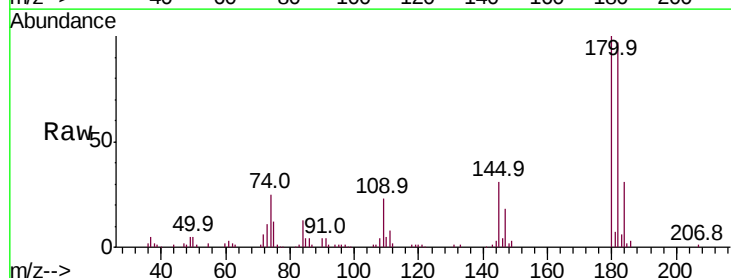
Tgt Ion:180 Resp: 55465

Ion Ratio Lower Upper

180 100

182 98.4 75.7 113.5

145 30.1 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

