

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007175.D
 Acq On : 24 Aug 2018 17:32
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 25 00:00:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:56:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	703506	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	689423	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	343552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	226825	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.58	69	184008	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.84%
11) 1,1-Dichloroethene-d2	2.13	63	405712	47.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.38%
21) 2-Butanone-d5	3.95	46	371698	100.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.93%
24) Chloroform-d	4.40	84	464035	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
26) 1,2-Dichloroethane-d4	5.09	65	285716	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
32) Benzene-d6	5.10	84	945748	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
36) 1,2-Dichloropropane-d6	6.12	67	307019	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.54%
41) Toluene-d8	7.36	98	869988	50.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.92%
43) trans-1,3-Dichloropropene-	7.67	79	141556	50.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.80%
47) 2-Hexanone-d5	8.14	63	211741	104.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.42%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	434739	50.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	338115	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	278796	49.546	ug/L 99
3) Chloromethane	1.25	50	314898	46.395	ug/L 99
5) Vinyl chloride	1.32	62	281474	47.588	ug/L 99
6) Bromomethane	1.53	94	93300	48.687	ug/L 97
8) Chloroethane	1.60	64	168368	47.958	ug/L 98
9) Trichlorofluoromethane	1.77	101	367386	48.885	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	227276	49.871	ug/L 99
12) 1,1-Dichloroethene	2.14	96	209559	48.153	ug/L 95
13) Acetone	2.20	43	307244	113.003	ug/L 100
14) Carbon disulfide	2.32	76	640369	48.015	ug/L 100
15) Methyl Acetate	2.46	43	250812	51.743	ug/L 100
16) Methylene chloride	2.54	84	247036	50.066	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	233644	49.803	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	730702	52.147	ug/L 100
19) 1,1-Dichloroethane	3.23	63	471348	49.285	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	276015	50.285	ug/L 100
22) 2-Butanone	4.04	43	463817	109.589	ug/L 99

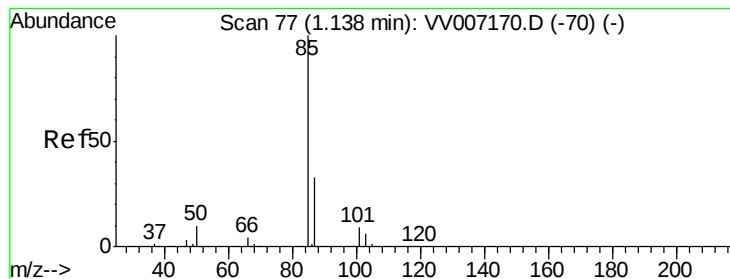
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
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 Operator : SY/MD
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Quant Time: Aug 25 00:00:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:56:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	145023	51.683	ug/L	98
25) Chloroform	4.43	83	475811	50.693	ug/L	99
27) 1,2-Dichloroethane	5.19	62	367851	52.986	ug/L	99
29) Cyclohexane	4.73	56	391814	50.072	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	388226	49.121	ug/L	99
31) Carbon tetrachloride	4.87	117	333052	49.076	ug/L	99
33) Benzene	5.15	78	1081718	50.657	ug/L	100
34) Trichloroethene	5.96	95	259179	49.913	ug/L	98
35) Methylcyclohexane	6.18	83	428735	51.920	ug/L	99
37) 1,2-Dichloropropane	6.22	63	294087	51.770	ug/L	99
38) Bromodichloromethane	6.56	83	350791	50.778	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	416934	52.659	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	744772	111.822	ug/L	98
42) Toluene	7.43	91	1092993	52.800	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	391994	53.282	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	275487	52.368	ug/L	98
46) Tetrachloroethene	8.02	164	215375	50.296	ug/L	99
48) 2-Hexanone	8.19	43	617123	118.343	ug/L	98
49) Dibromochloromethane	8.30	129	282207	52.302	ug/L	99
50) 1,2-Dibromoethane	8.40	107	279362	52.854	ug/L	96
51) Chlorobenzene	8.93	112	717684	51.273	ug/L	99
52) Ethylbenzene	9.06	91	1131090	52.616	ug/L	100
53) m,p-Xylene	9.19	106	440030	53.909	ug/L	99
54) o-xylene	9.59	106	420109	53.475	ug/L	97
55) Styrene	9.61	104	766063	56.827	ug/L	99
56) Isopropylbenzene	9.98	105	1087544	54.121	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	454954	52.670	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	362206	52.152	ug/L	98
61) Bromoform	9.78	173	205692	49.567	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	524583	50.113	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	570093	50.616	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	568613	50.636	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	82447	51.970	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	410459	53.747	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	323236	56.753	ug/L	99
69) Naphthalene	13.56	128	812290	52.425	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	360033	58.906	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 49.546 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

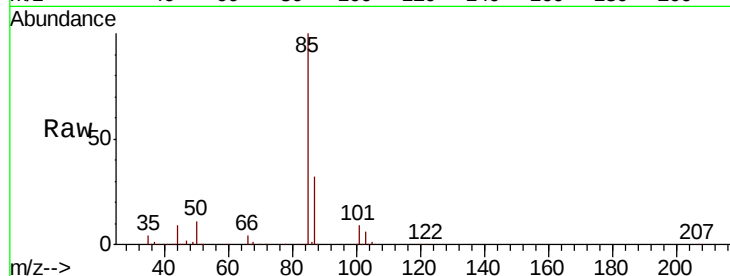
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 278796

Ion Ratio Lower Upper

85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007175.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007175.D (-70) (-)

1.14

300000

250000

200000

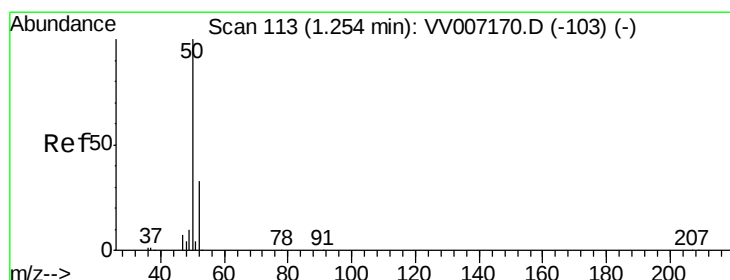
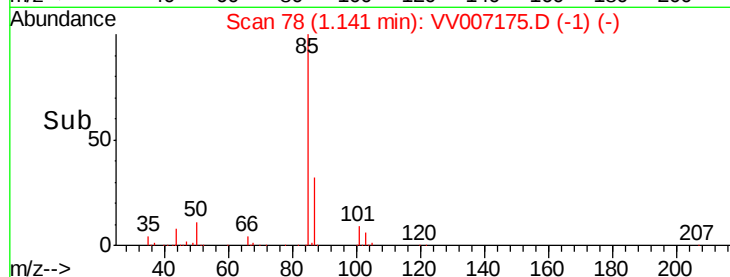
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.395 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007175.D

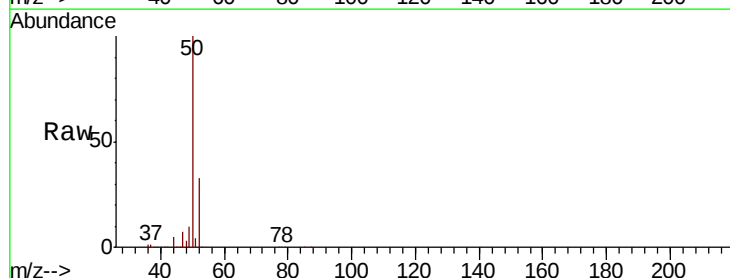
Acq: 24 Aug 2018 17:32

Tgt Ion: 50 Resp: 314898

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007175.D (-103) (-)

Ion 52.00 (51.70 to 52.70): VV007175.D (-103) (-)

1.25

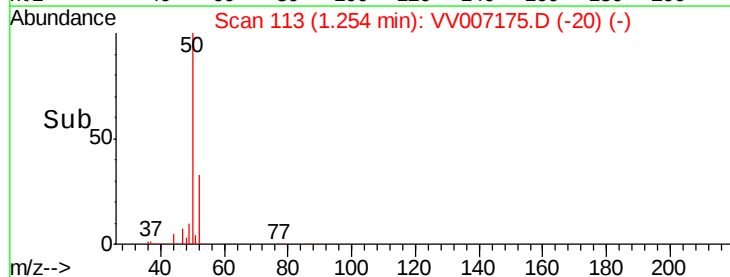
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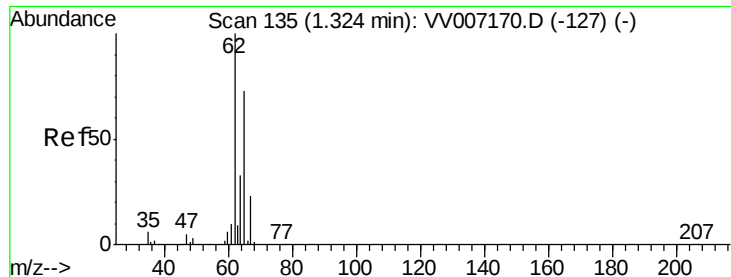
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 47.588 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

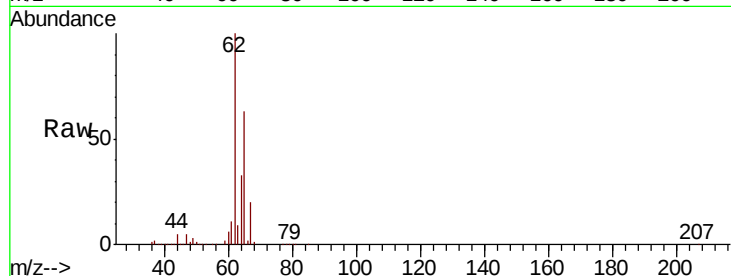
ClientSampleId :

Tot Ion: 62 Resp: 281474

Ion Ratio Lower Upper

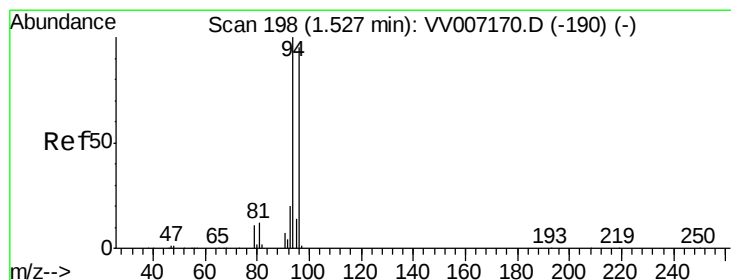
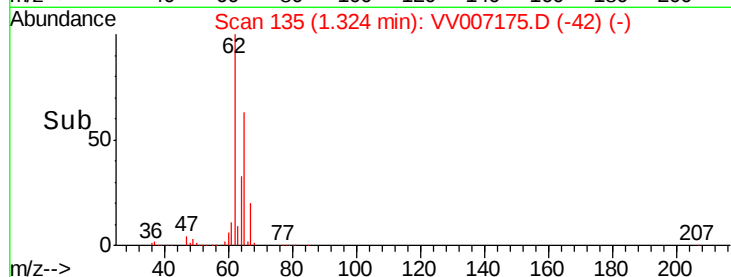
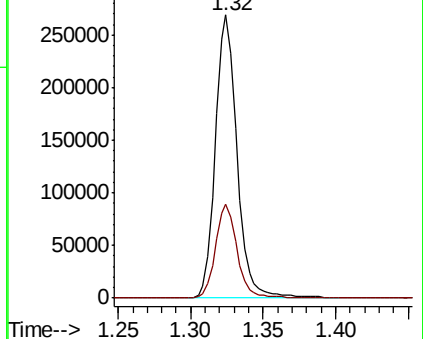
62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV007175.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007175.D (-127) (-)



#6

Bromomethane

Concen: 48.687 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.01 min

Lab File: VV007175.D

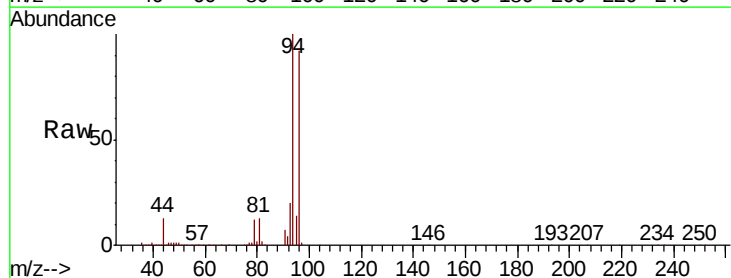
Acq: 24 Aug 2018 17:32

Tgt Ion: 94 Resp: 93300

Ion Ratio Lower Upper

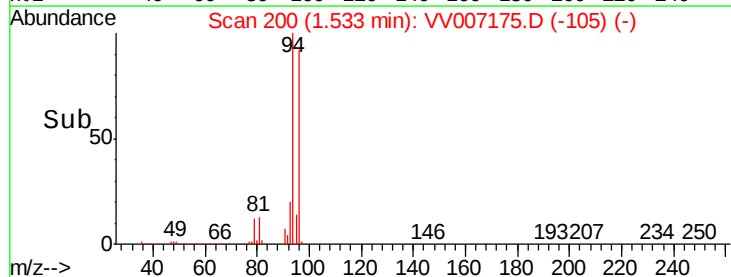
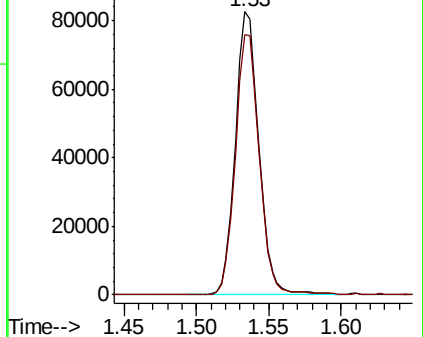
94 100

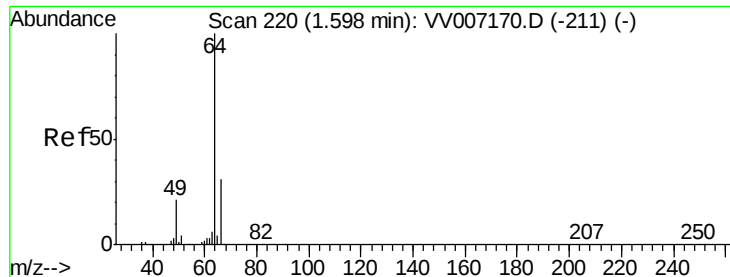
96 92.2 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VV007175.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007175.D (-190) (-)





#8

Chloroethane

Concen: 47.958 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

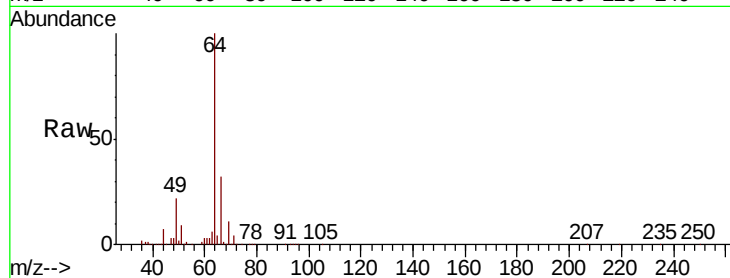
ClientSampleId :

Tot Ion: 64 Resp: 168368

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV007175.D (-221) (-)

Ion 66.00 (65.70 to 66.70): VV007175.D (-221) (-)

1.60

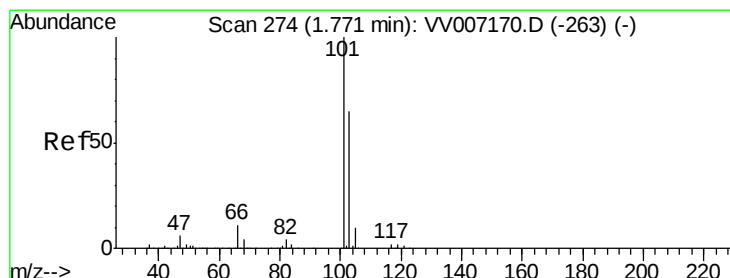
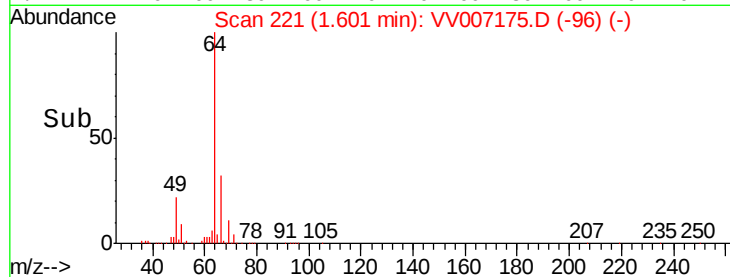
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 48.885 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007175.D

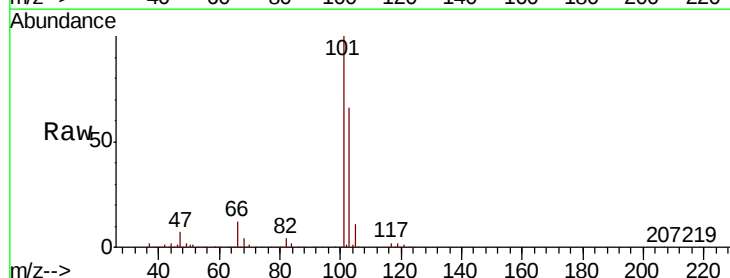
Acq: 24 Aug 2018 17:32

Tgt Ion:101 Resp: 367386

Ion Ratio Lower Upper

101 100

103 65.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV007175.D (-274) (-)

Ion 103.00 (102.70 to 103.70): VV007175.D (-274) (-)

1.77

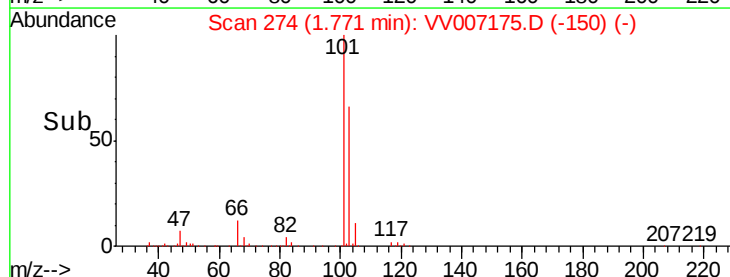
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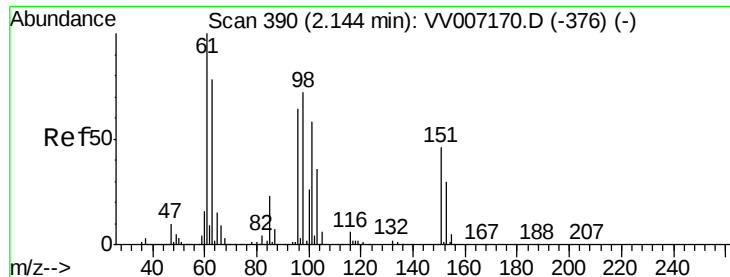
200000

100000

0

Time-->





#10

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

Concen: 49.871 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

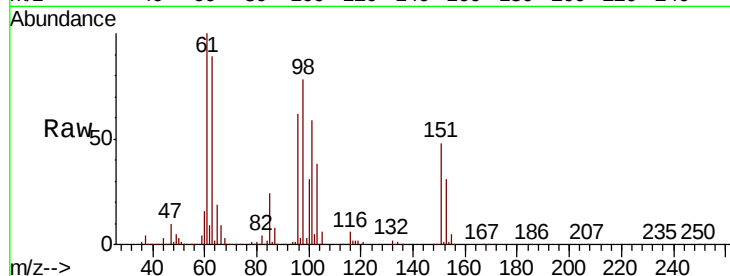
Tot Ion:101 Resp: 227276

Ion Ratio Lower Upper

101 100

85 41.2 31.8 47.8

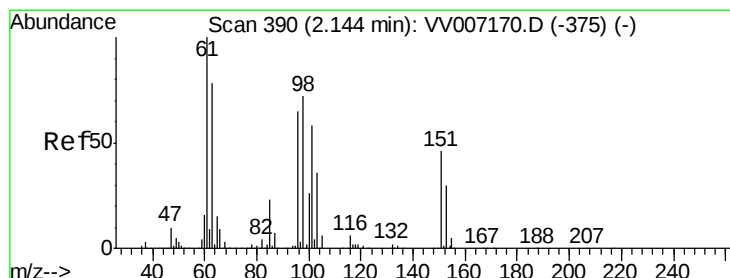
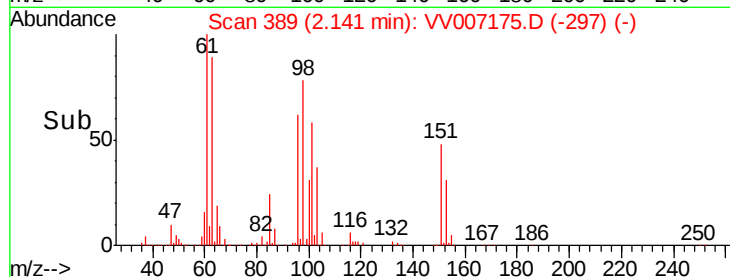
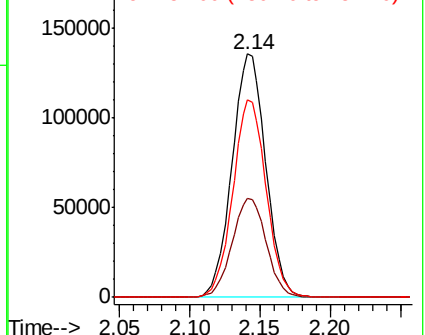
151 80.0 64.0 96.0



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: 48.153 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

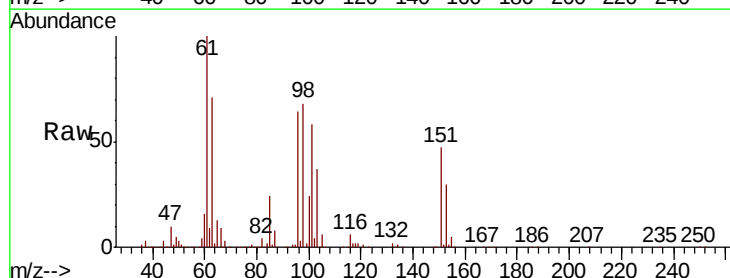
Tgt Ion: 96 Resp: 209559

Ion Ratio Lower Upper

96 100

61 156.5 108.5 201.5

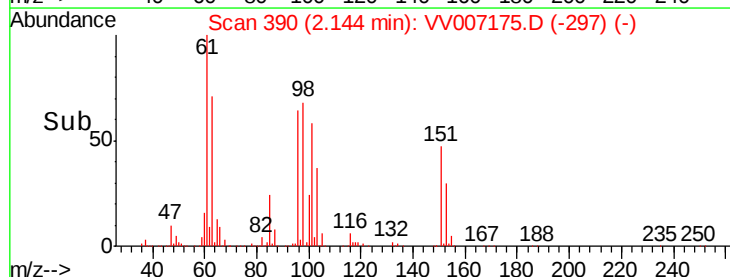
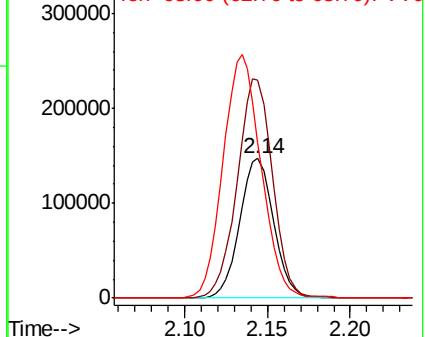
63 110.9 84.9 157.7

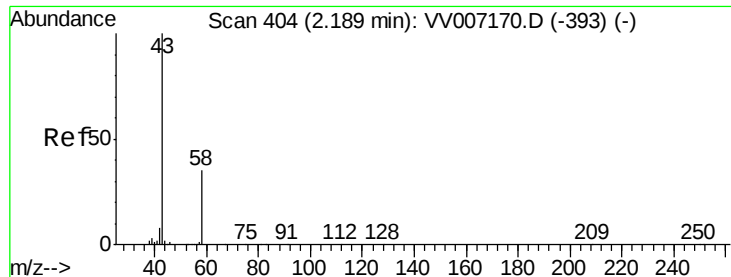


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 113.003 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.01 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

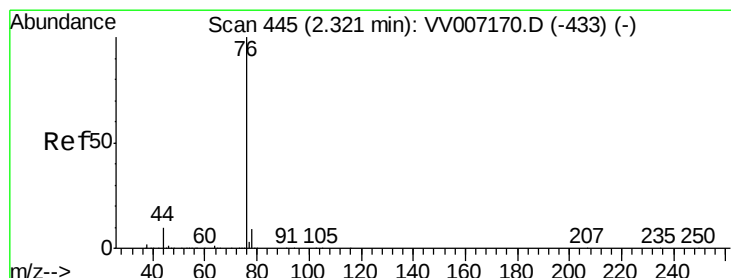
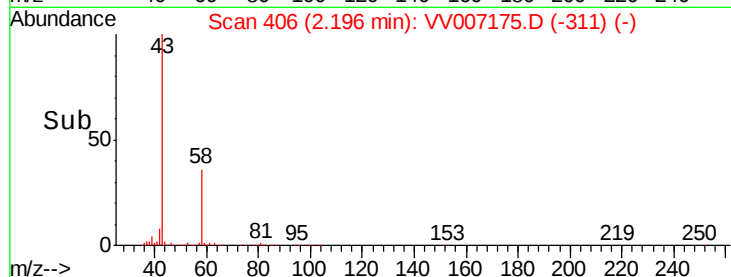
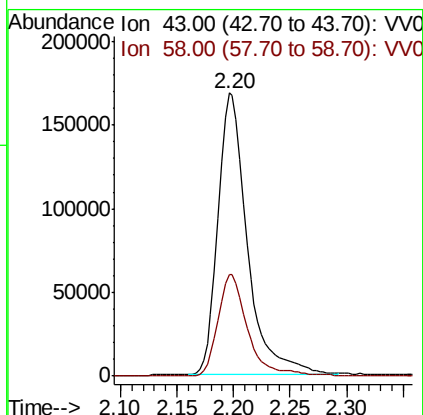
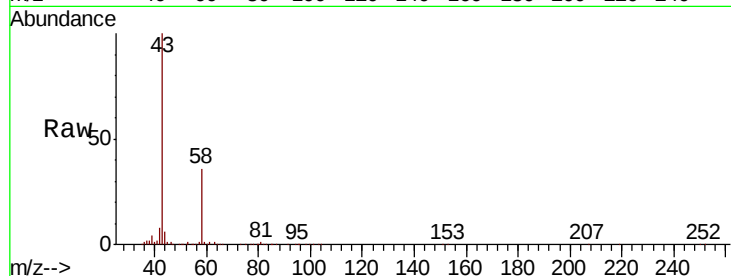
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 307244

Ion Ratio Lower Upper

43 100

58 36.0 0.0 72.0



#14

Carbon disulfide

Concen: 48.015 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV007175.D

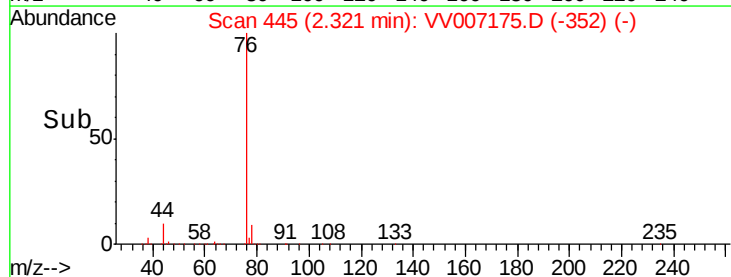
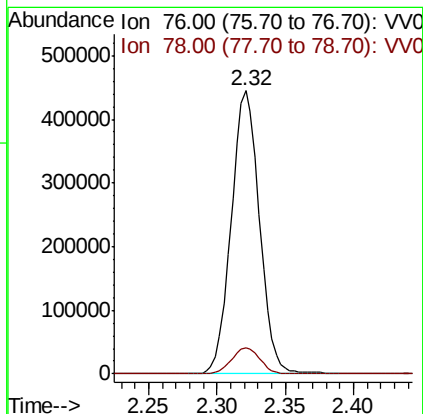
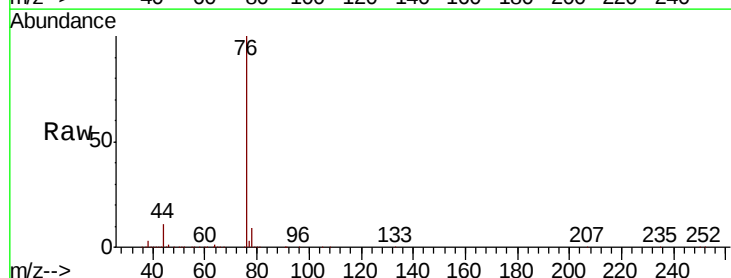
Acq: 24 Aug 2018 17:32

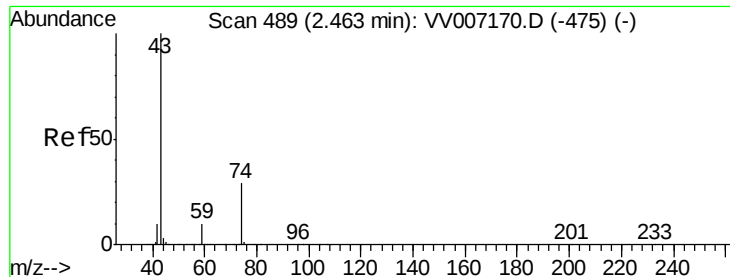
Tgt Ion: 76 Resp: 640369

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 51.743 ug/L

RT: 2.46 min Scan# 489

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

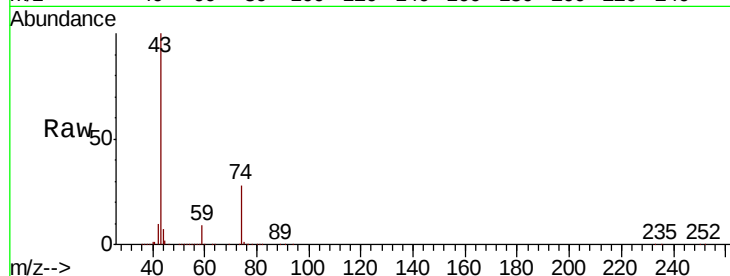
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 250812

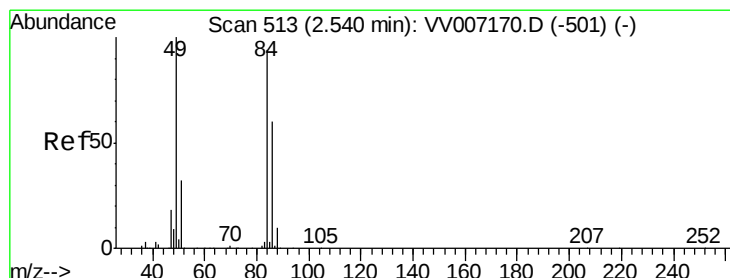
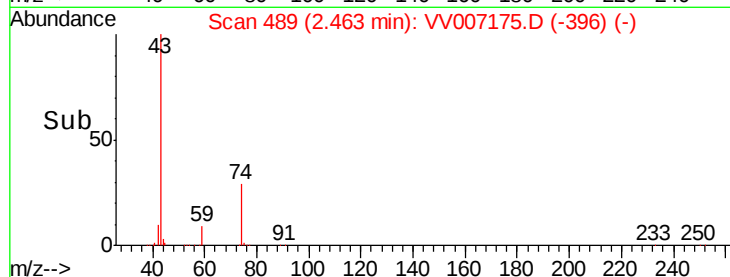
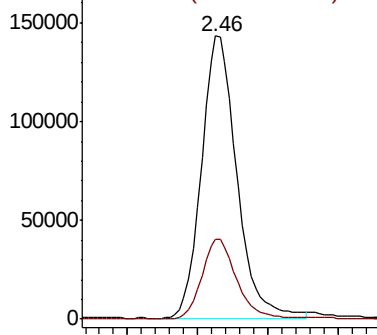
Ion Ratio Lower Upper

43 100

74 28.2 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 50.066 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

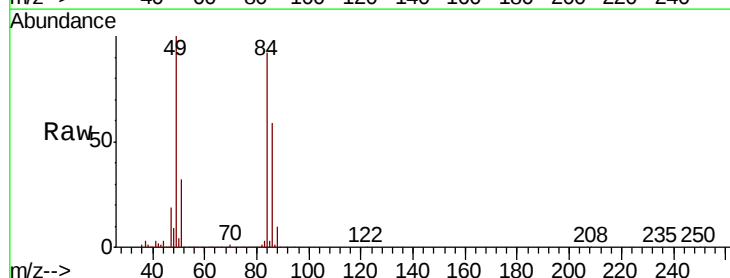
Tgt Ion: 84 Resp: 247036

Ion Ratio Lower Upper

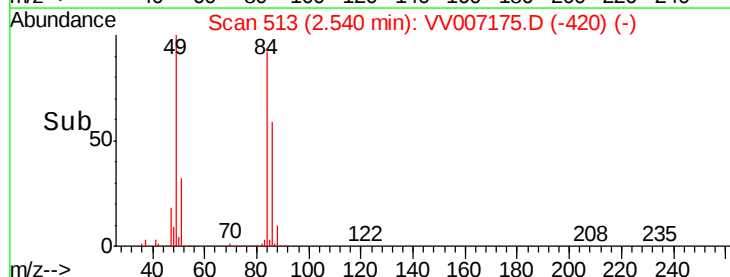
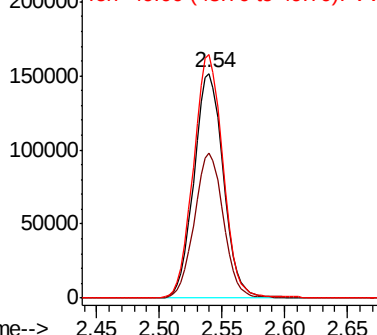
84 100

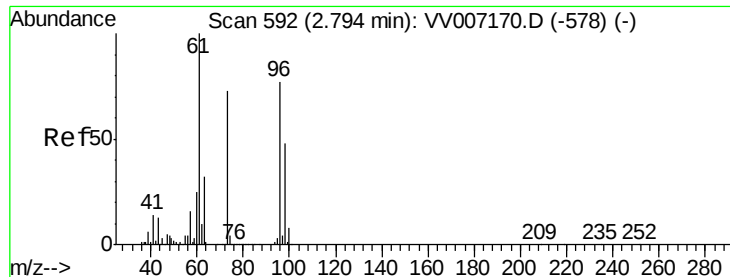
86 64.5 44.9 83.3

49 108.4 74.5 138.3



Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 49.803 ug/L

RT: 2.79 min Scan# 591

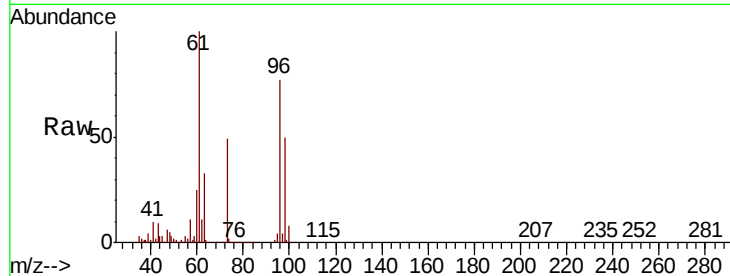
Delta R.T. -0.00 min

Lab File: VV007175.D

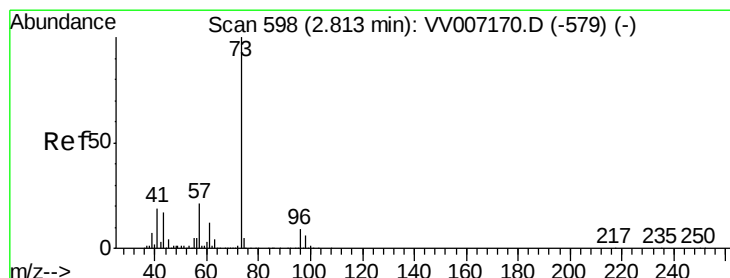
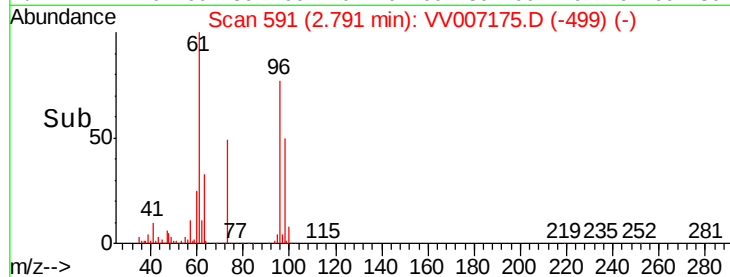
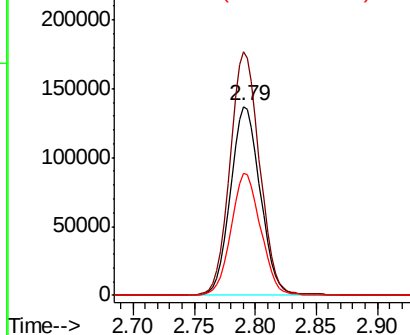
Acq: 24 Aug 2018 17:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	96	Resp:	233644
Ion	Ratio	Lower	Upper
96	100		
61	129.1	90.6	168.2
98	64.5	43.8	81.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.147 ug/L

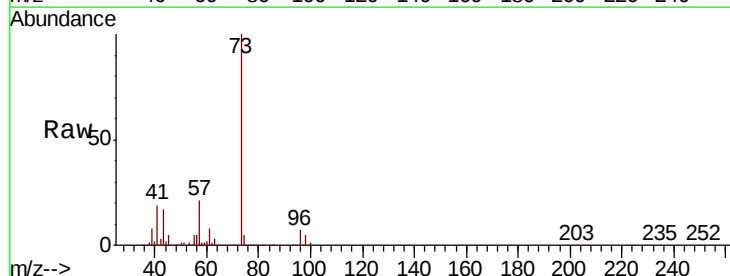
RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

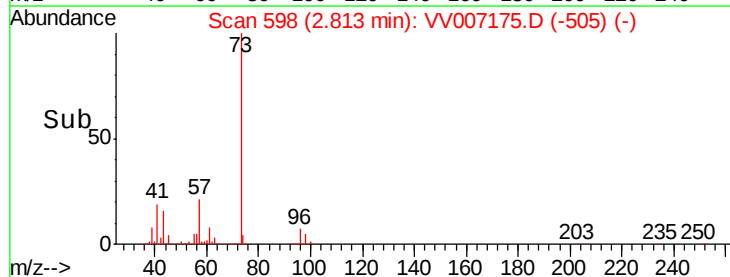
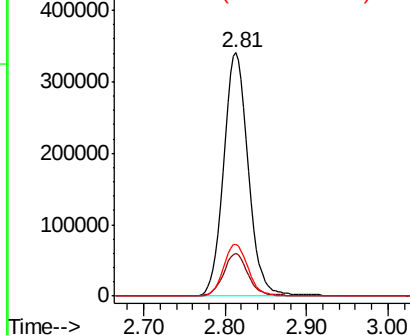
Lab File: VV007175.D

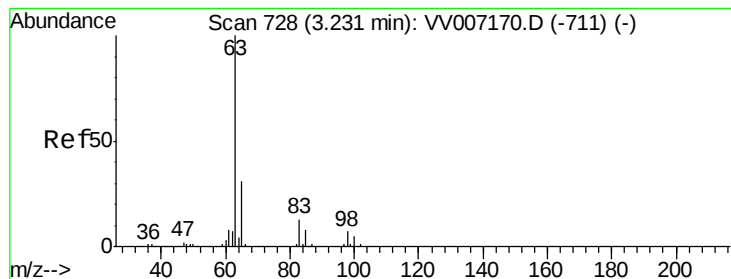
Acq: 24 Aug 2018 17:32

Tgt Ion:	73	Resp:	730702
Ion	Ratio	Lower	Upper
73	100		
43	17.0	13.7	20.5
57	21.2	16.8	25.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.285 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

ClientSampled :

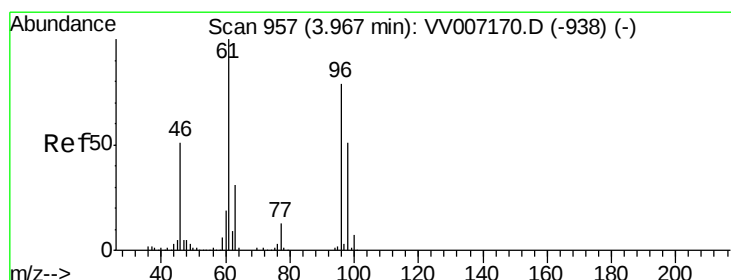
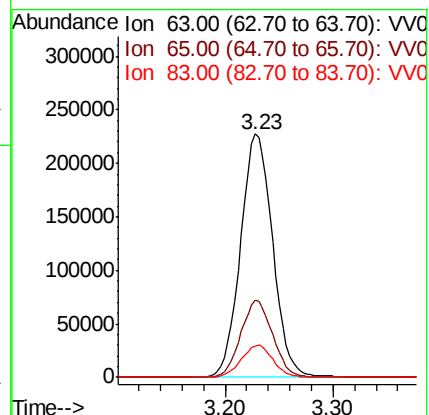
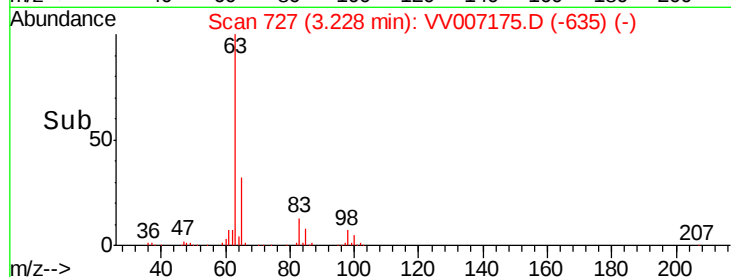
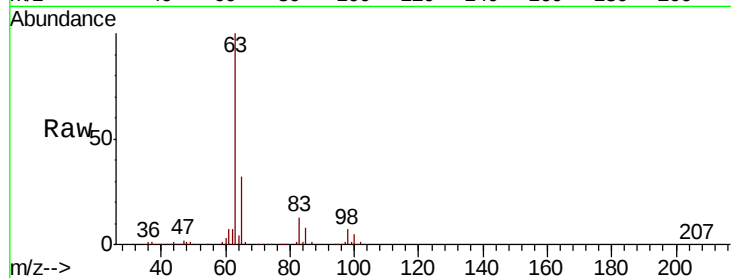
Tot Ion: 63 Resp: 471348

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

83 13.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 50.285 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

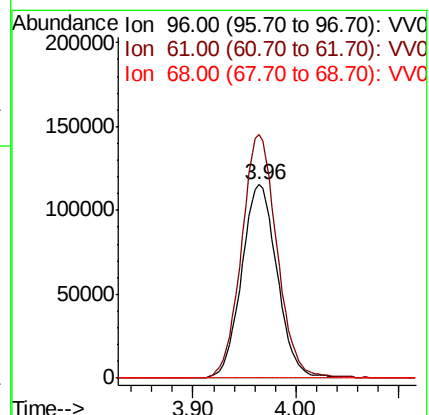
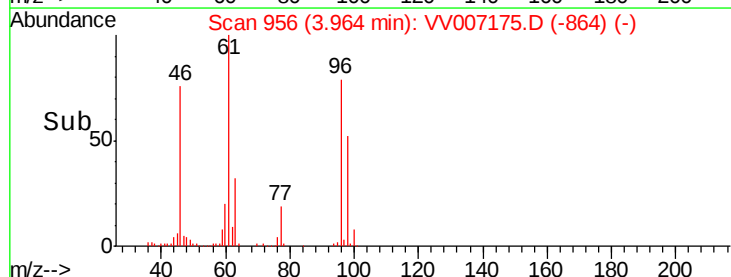
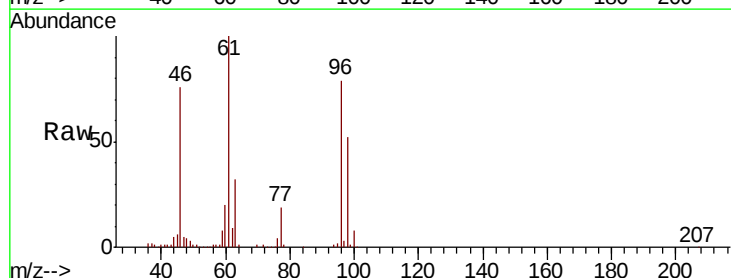
Tgt Ion: 96 Resp: 276015

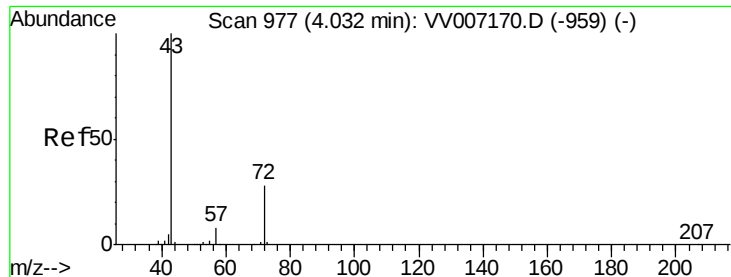
Ion Ratio Lower Upper

96 100

61 125.9 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 109.589 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.01 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

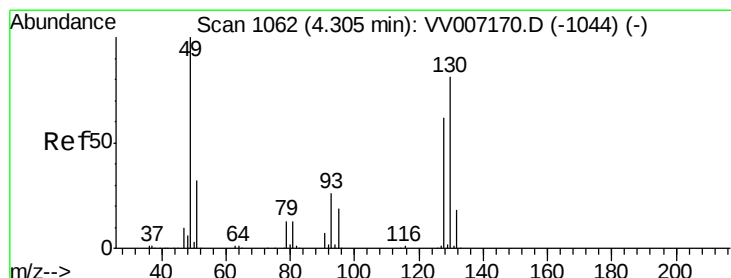
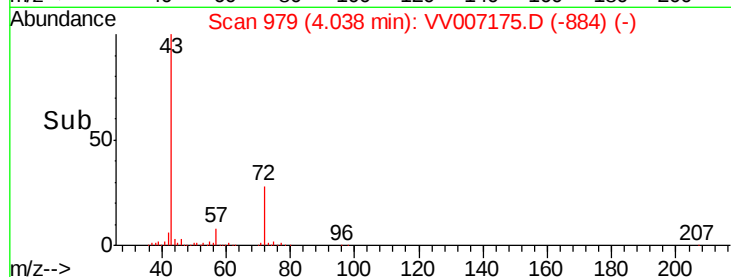
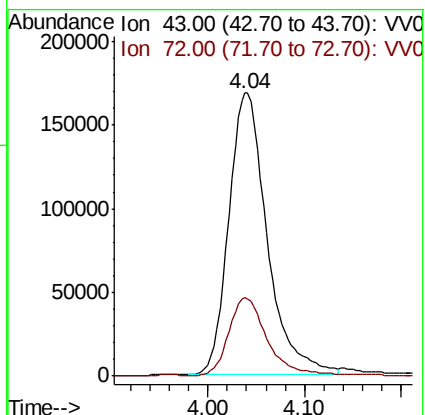
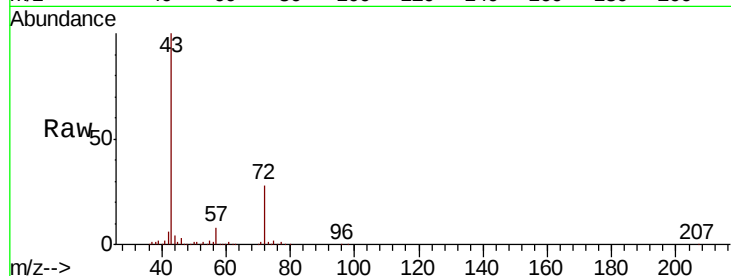
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 463817

Ion Ratio Lower Upper

43 100

72 27.2 13.4 40.1



#23

Bromochloromethane

Concen: 51.683 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Tgt Ion: 128 Resp: 145023

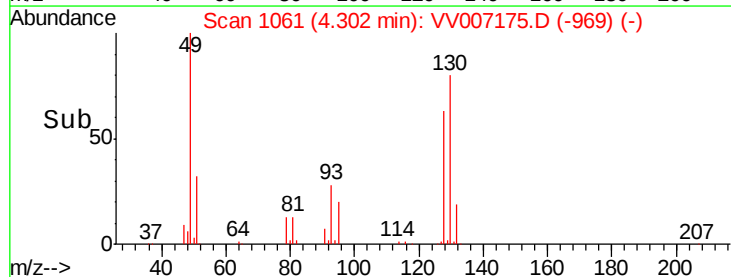
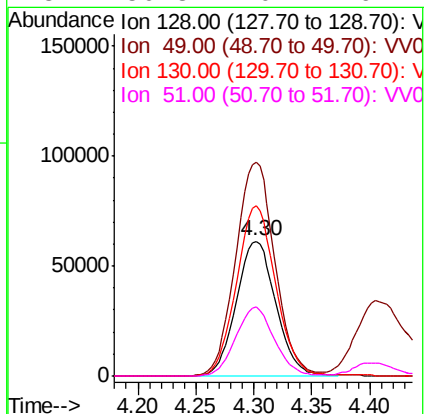
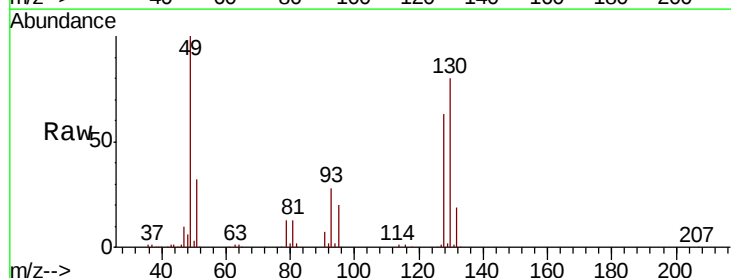
Ion Ratio Lower Upper

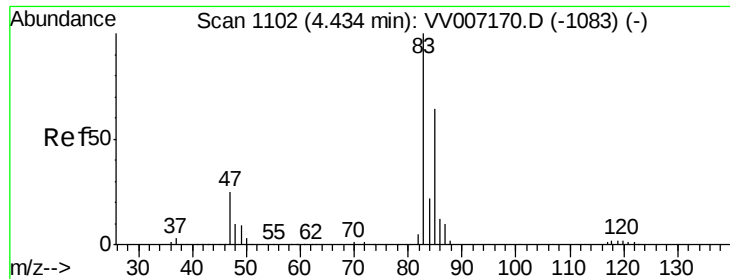
128 100

49 158.5 112.5 208.9

130 126.5 90.6 168.2

51 50.8 40.7 61.1

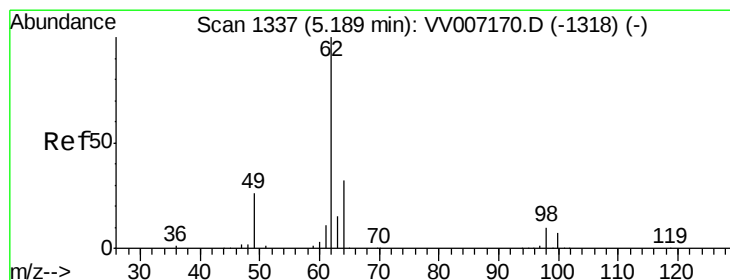
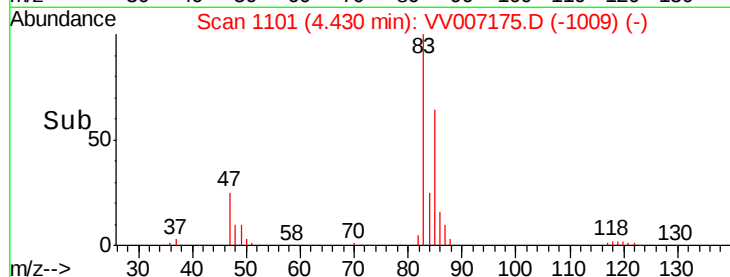
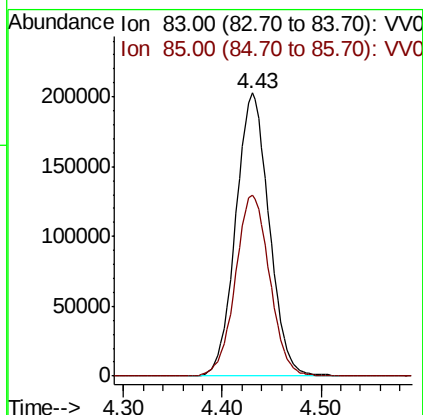
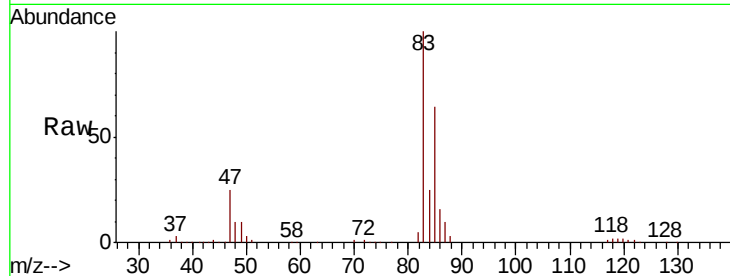




#25
Chloroform
Concen: 50.693 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007175.D
Acq: 24 Aug 2018 17:32

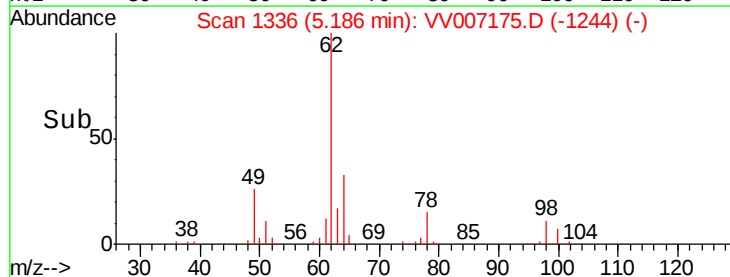
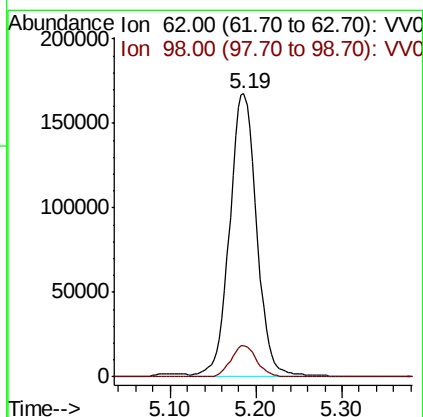
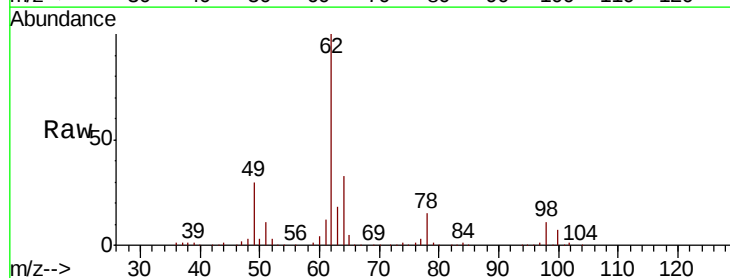
Instrument :
MSVOA_V
ClientSampled :

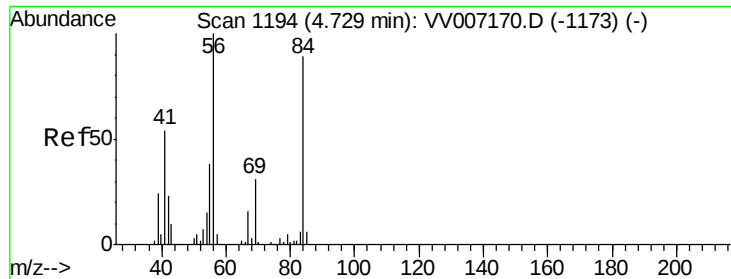
Tot Ion: 83 Resp: 475811
Ion Ratio Lower Upper
83 100
85 64.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 52.986 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007175.D
Acq: 24 Aug 2018 17:32

Tgt Ion: 62 Resp: 367851
Ion Ratio Lower Upper
62 100
98 10.8 8.3 12.5

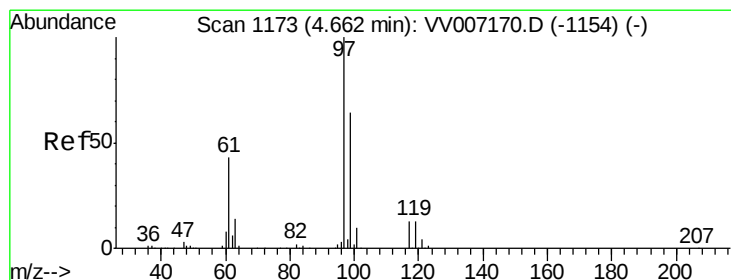
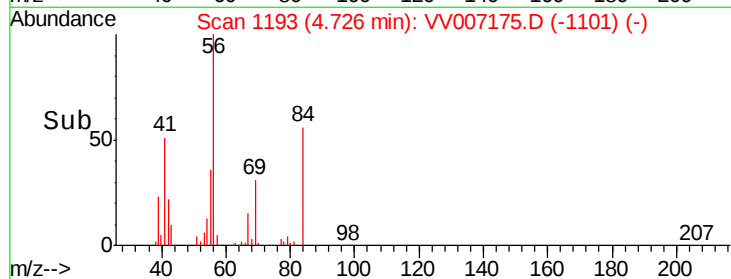
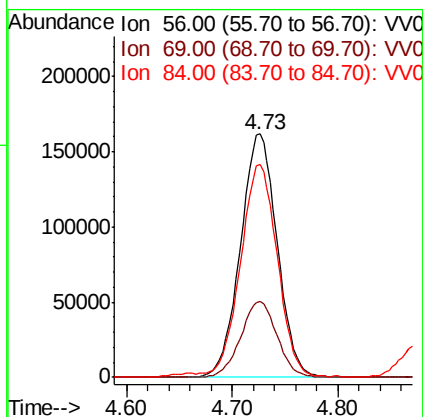
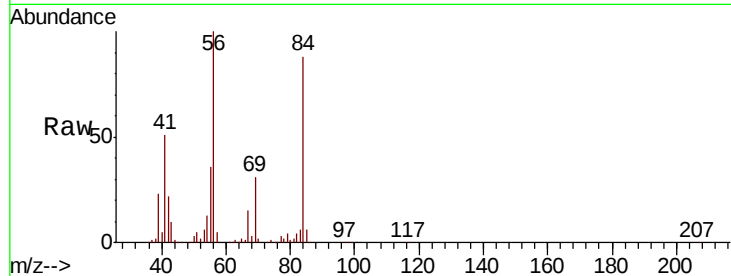




#29
Cyclohexane
Concen: 50.072 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV007175.D
Acq: 24 Aug 2018 17:32

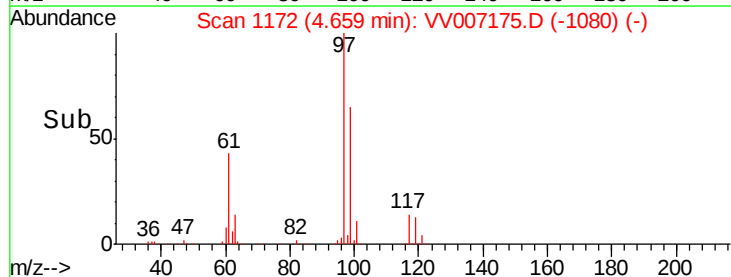
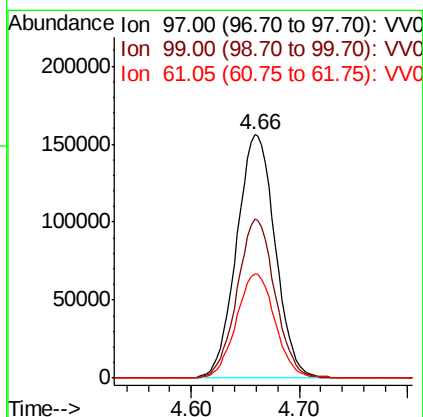
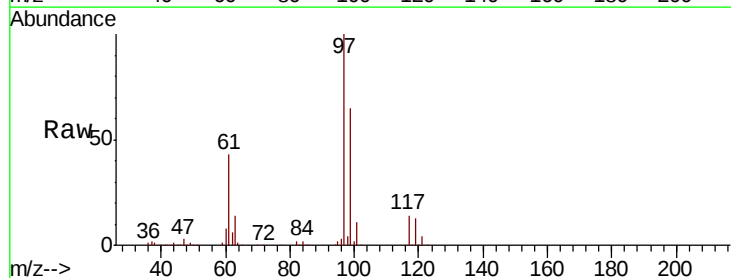
Instrument :
MSVOA_V
ClientSampleId :

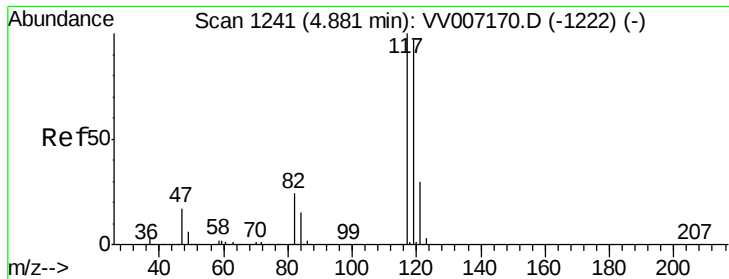
Tot Ion: 56 Resp: 391814
Ion Ratio Lower Upper
56 100
69 30.8 24.6 36.8
84 86.8 70.8 106.2



#30
1,1,1-Trichloroethane
Concen: 49.121 ug/L
RT: 4.66 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VV007175.D
Acq: 24 Aug 2018 17:32

Tgt Ion: 97 Resp: 388226
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 43.2 34.3 51.5





#31

Carbon tetrachloride

Concen: 49.076 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

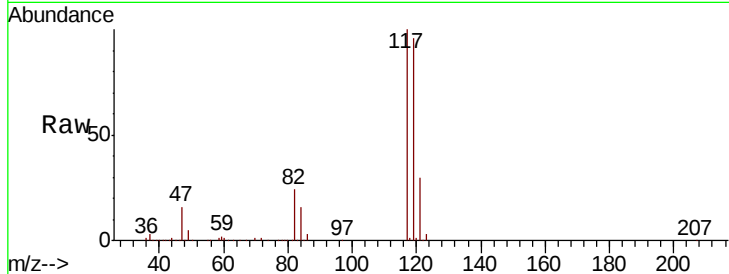
ClientSampleId :

Tot Ion:117 Resp: 333052

Ion Ratio Lower Upper

117 100

119 96.7 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

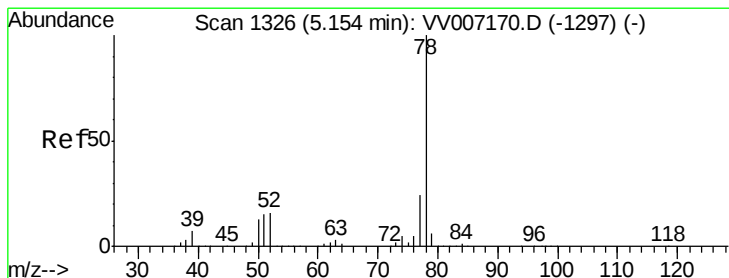
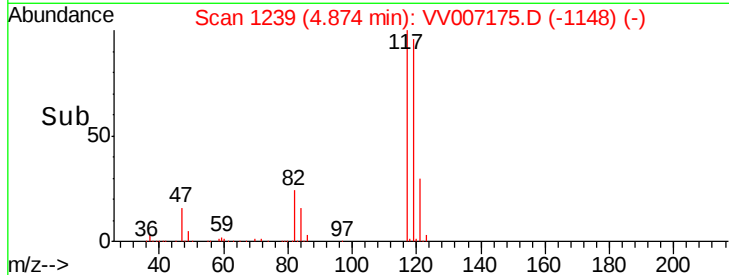
100000

50000

0

4.87

Time-->



#33

Benzene

Concen: 50.657 ug/L

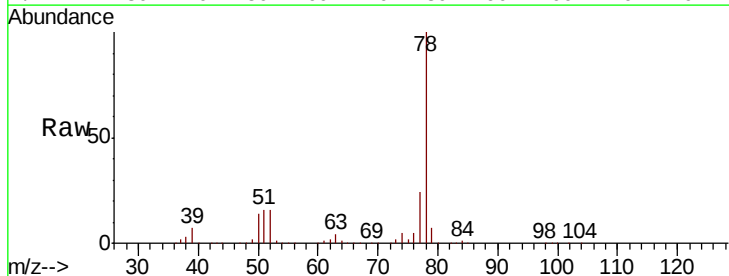
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Tgt Ion: 78 Resp: 1081718



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

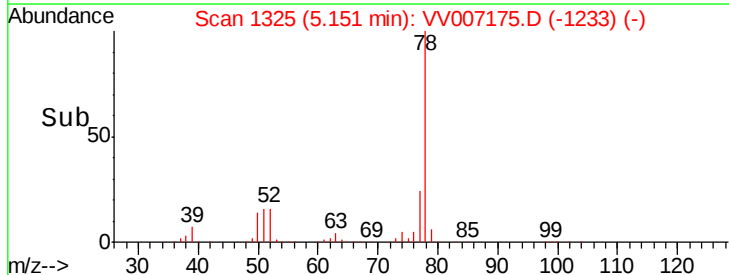
200000

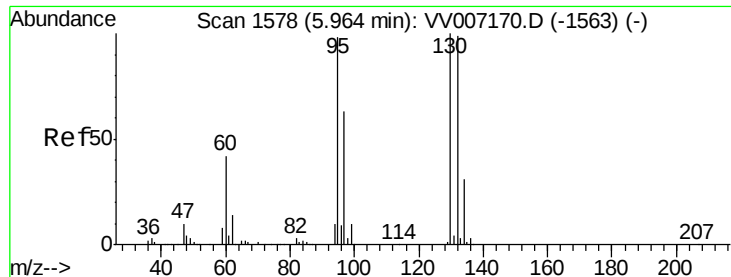
100000

0

5.15

Time-->





#34

Trichloroethene

Concen: 49.913 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 259179

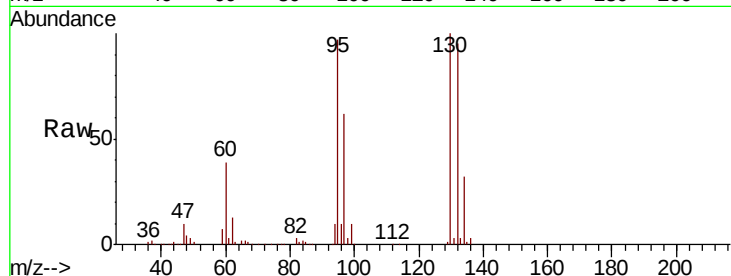
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.2

132 97.5 70.8 131.4

130 102.9 71.7 133.3

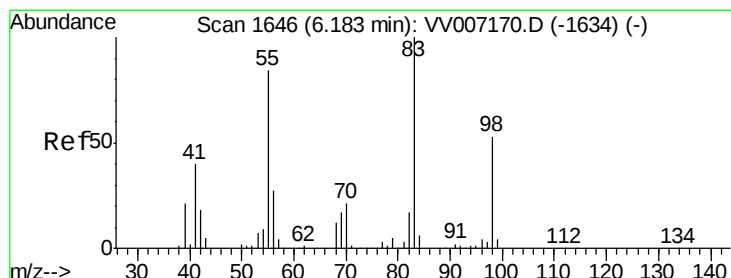
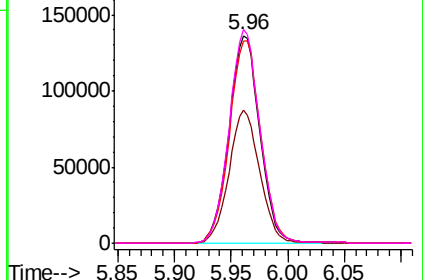
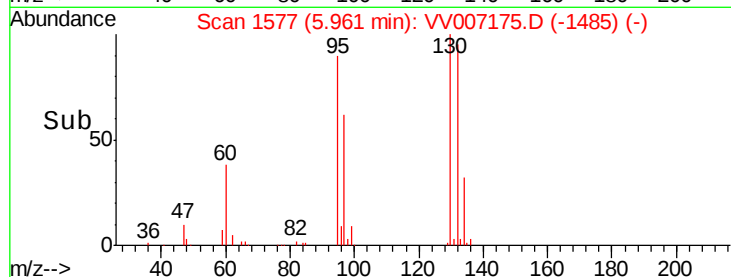


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 51.920 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

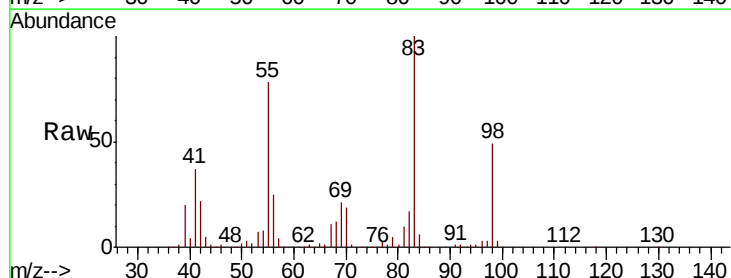
Tgt Ion: 83 Resp: 428735

Ion Ratio Lower Upper

83 100

55 76.6 62.2 93.2

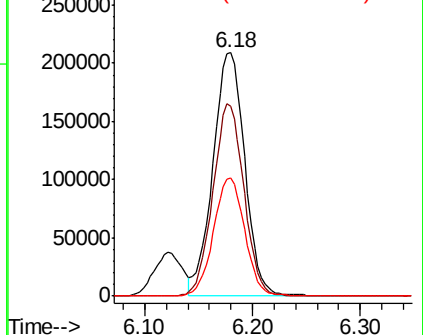
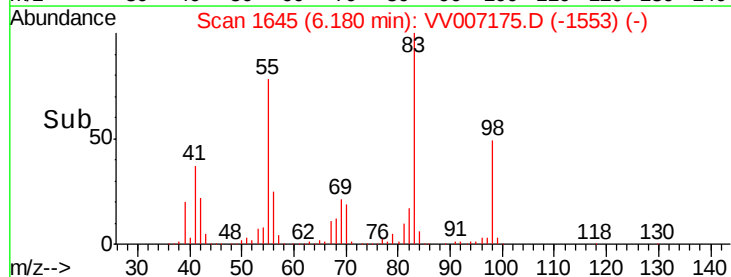
98 47.9 37.9 56.9

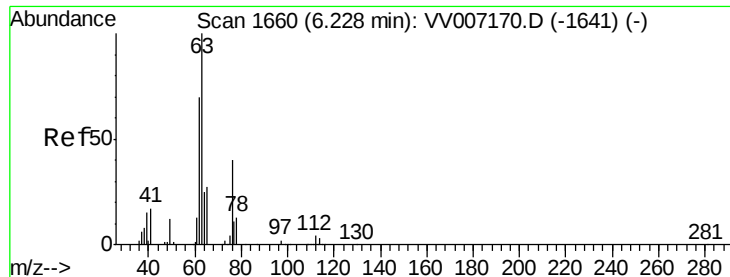


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

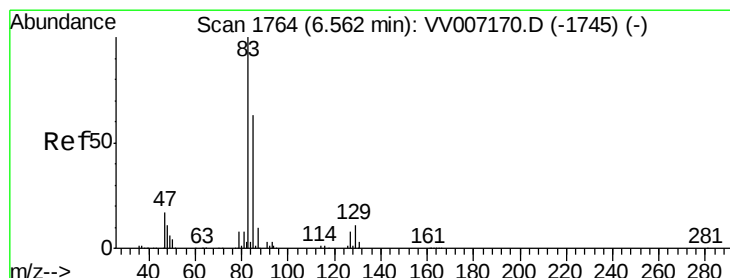
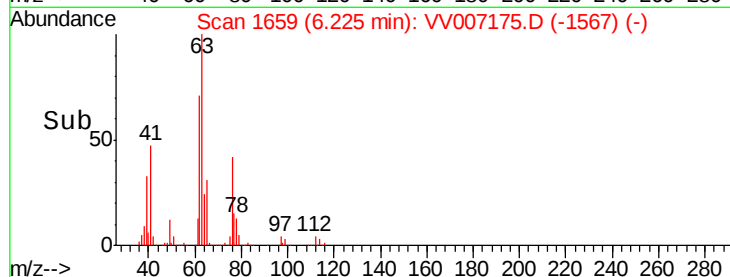
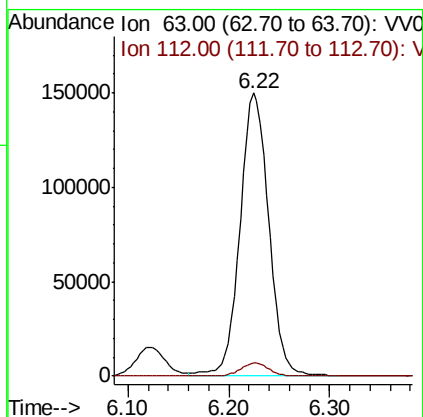
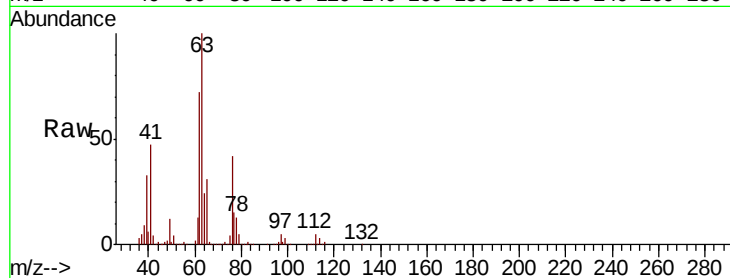




#37
 1,2-Dichloropropane
 Concen: 51.770 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

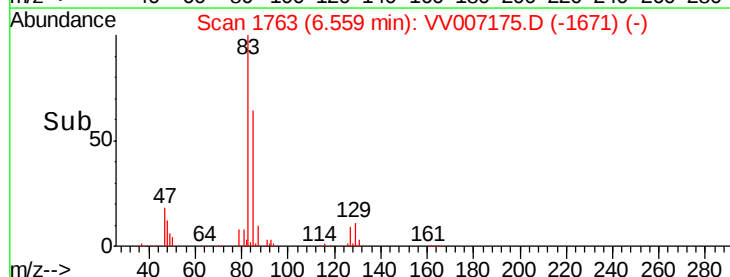
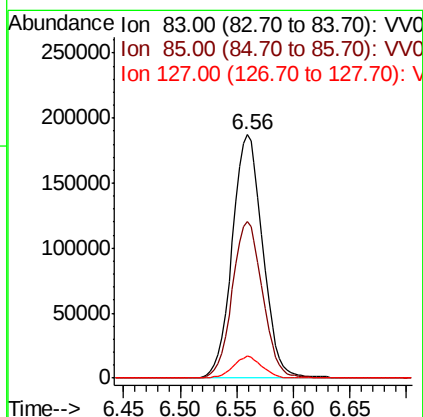
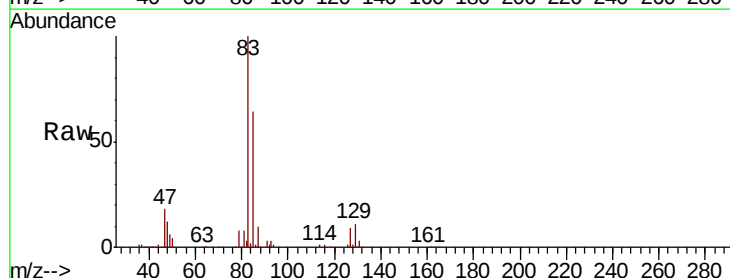
Instrument :
 MSVOA_V
 ClientSampleId :

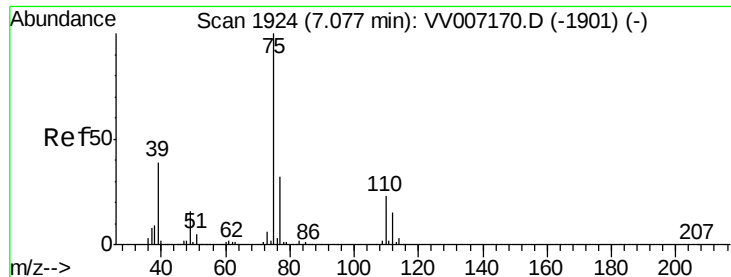
Tot Ion: 63 Resp: 294087
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 50.778 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Tgt Ion: 83 Resp: 350791
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.1 81.9
 127 8.9 6.6 10.0



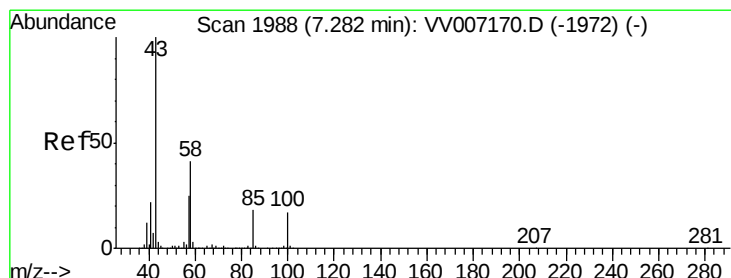
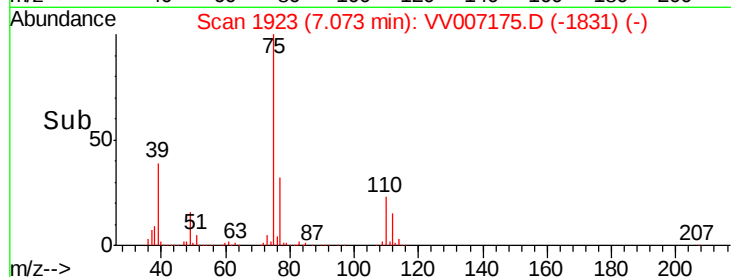
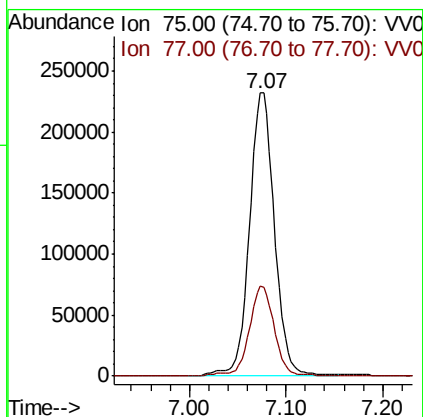
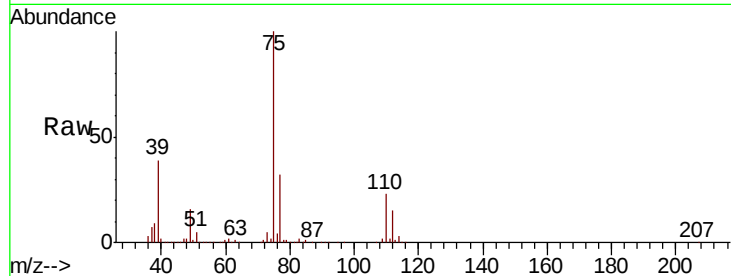


#39

cis-1,3-Dichloropropene
 Concen: 52.659 ug/L
 RT: 7.07 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Instrument :
 MSVOA_V
 ClientSampleId :

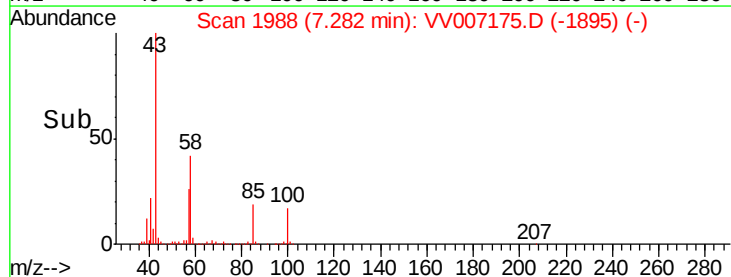
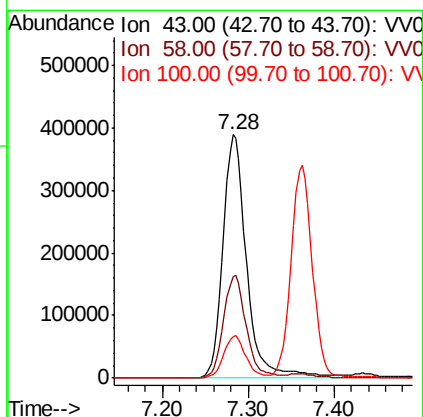
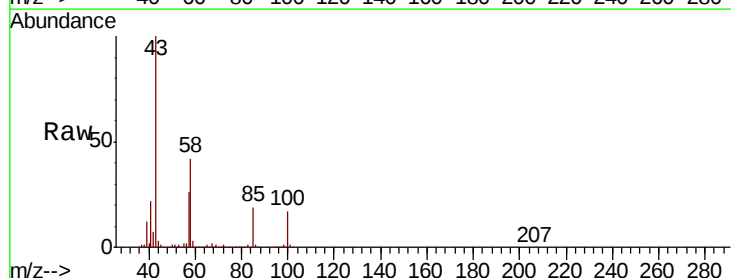
Tot Ion: 75 Resp: 416934
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

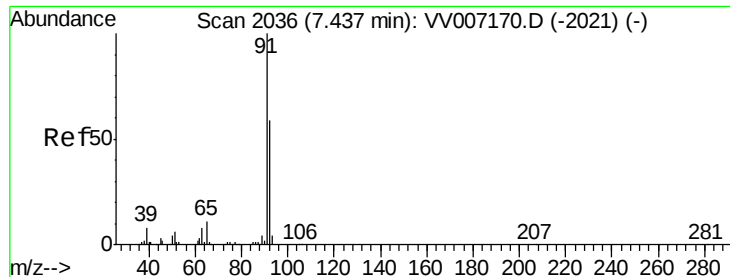


#40

4-Methyl-2-pentanone
 Concen: 111.822 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Tgt Ion: 43 Resp: 744772
 Ion Ratio Lower Upper
 43 100
 58 40.5 31.5 47.3
 100 16.3 12.6 18.8





#42

Toluene

Concen: 52.800 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

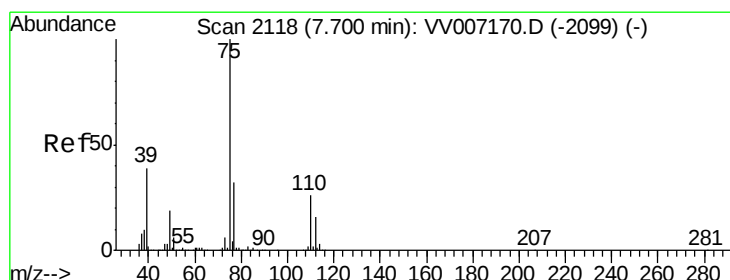
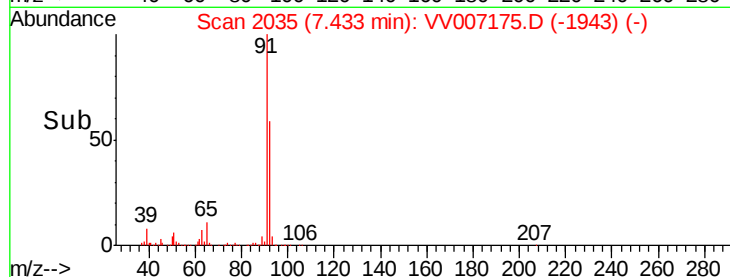
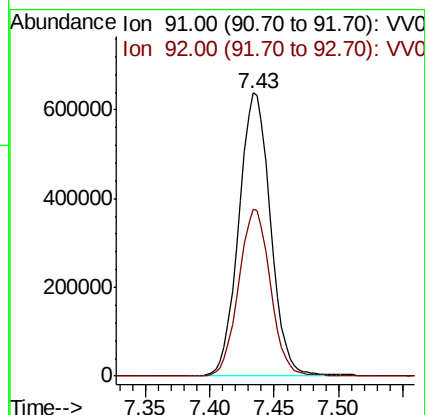
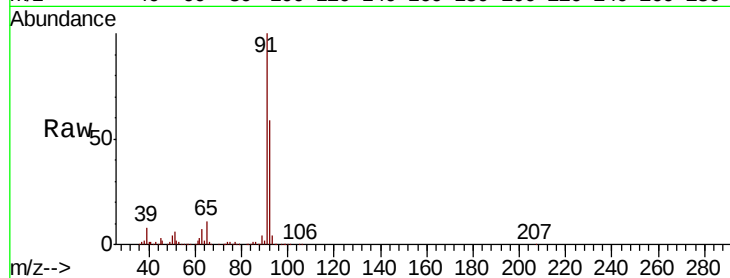
ClientSampleId :

Tot Ion: 91 Resp: 1092993

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 53.282 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007175.D

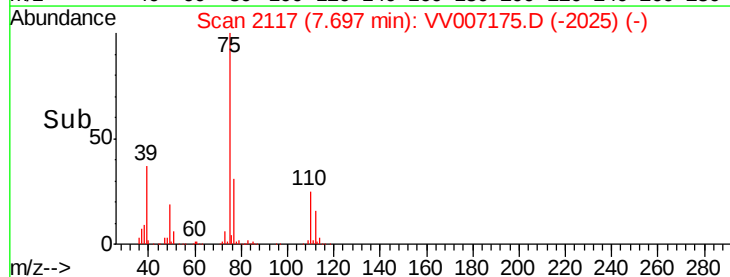
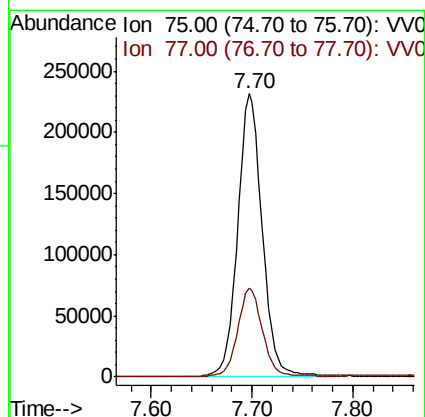
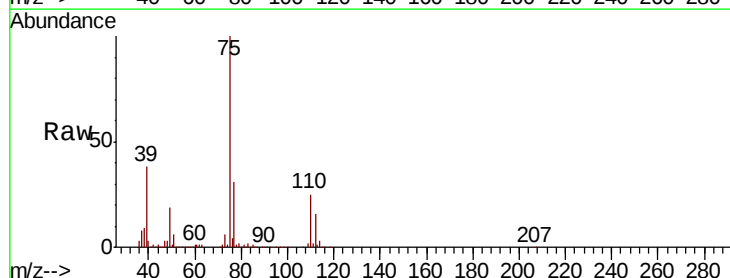
Acq: 24 Aug 2018 17:32

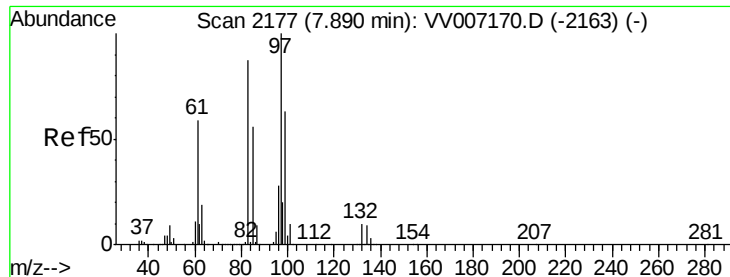
Tgt Ion: 75 Resp: 391994

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0

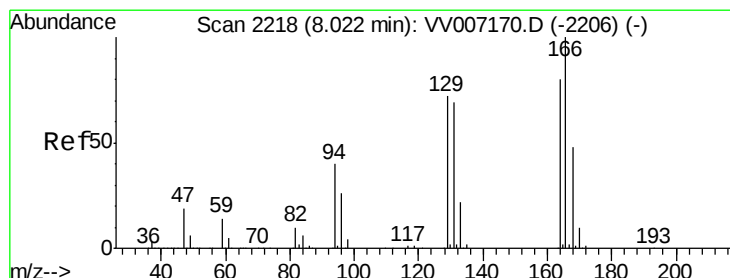
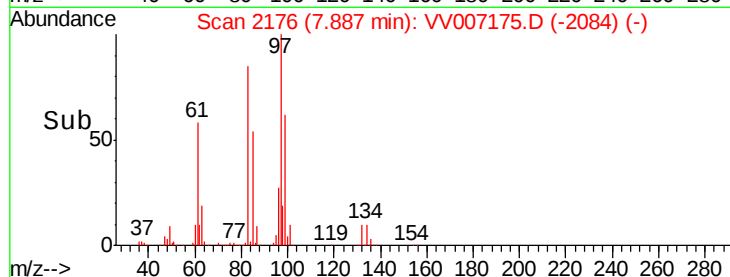
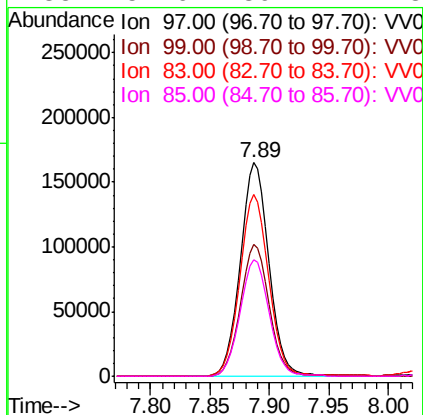
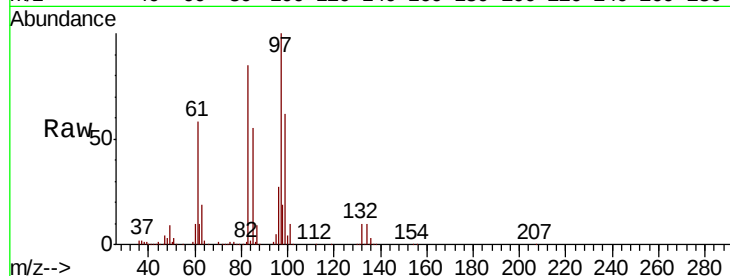




#45
 1,1,2-Trichloroethane
 Concen: 52.368 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

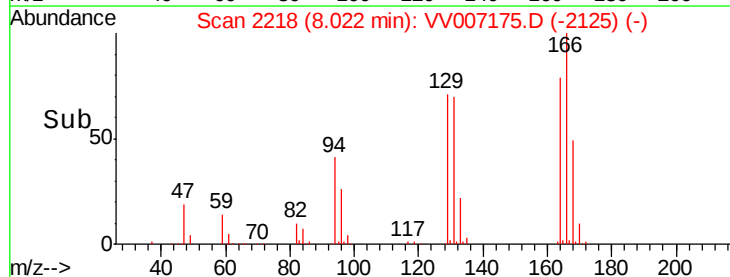
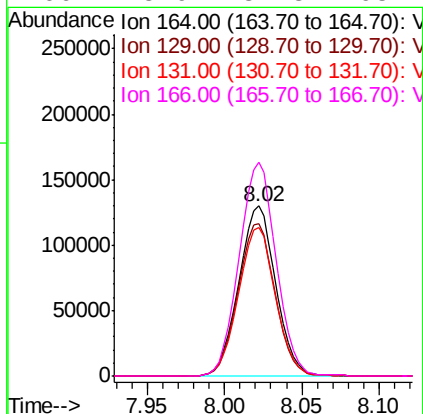
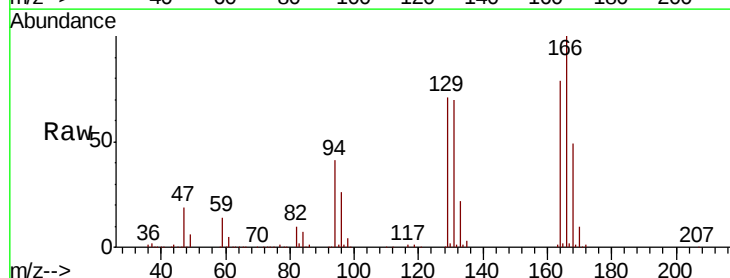
Instrument :
 MSVOA_V
 ClientSampleId :

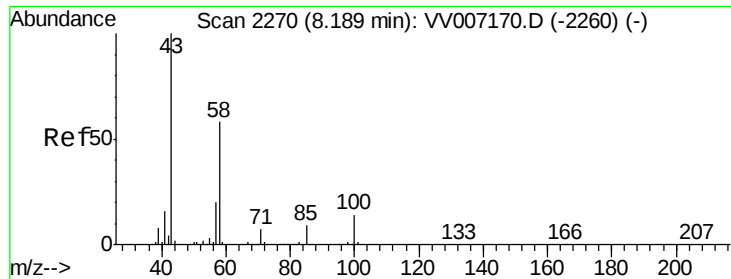
Tot Ion:	97	Resp:	275487
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.8	81.4
83	85.0	61.0	113.4
85	54.6	39.2	72.8



#46
 Tetrachloroethene
 Concen: 50.296 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Tgt Ion:	164	Resp:	215375
Ion	Ratio	Lower	Upper
164	100		
129	89.9	63.3	117.7
131	87.7	60.6	112.6
166	125.9	87.8	163.2

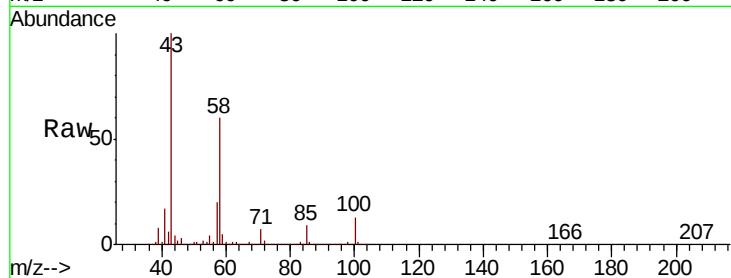




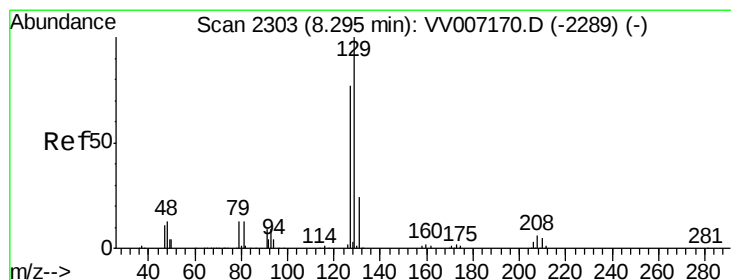
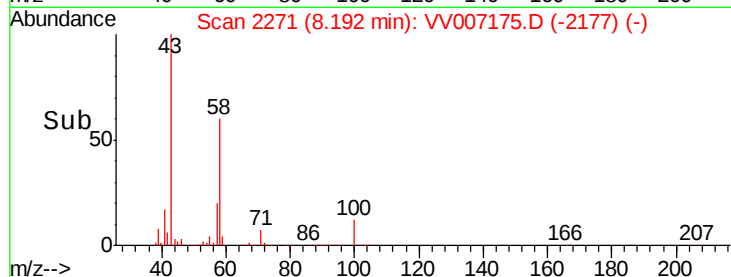
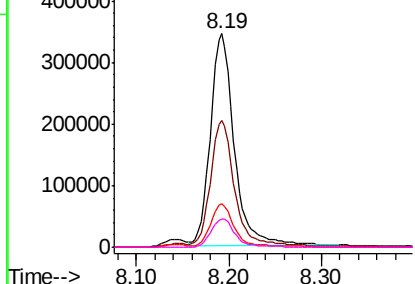
#48
2-Hexanone
Concen: 118.343 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007175.D
Acq: 24 Aug 2018 17:32

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	617123
Ion	Ratio	Lower	Upper
43	100		
58	60.5	47.3	70.9
57	19.8	16.5	24.7
100	13.5	11.0	16.4

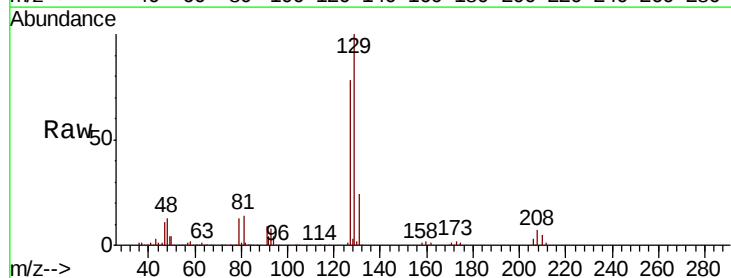


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

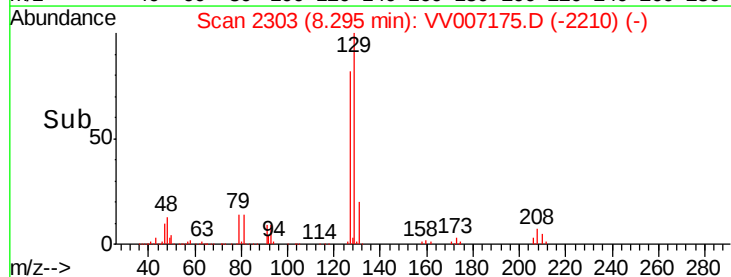
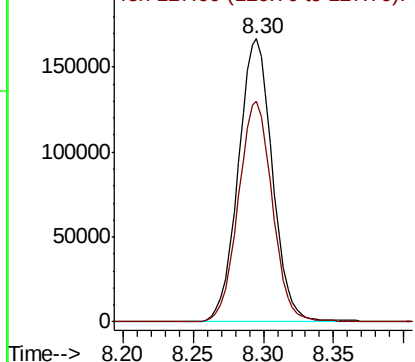


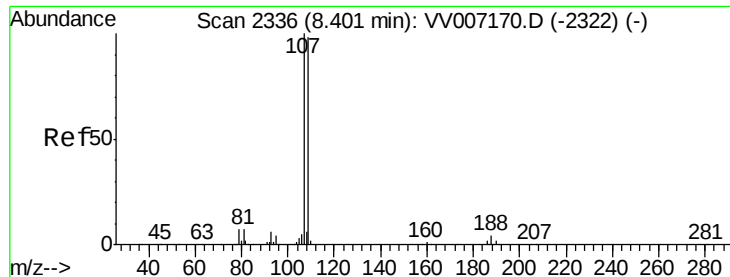
#49
Dibromochloromethane
Concen: 52.302 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007175.D
Acq: 24 Aug 2018 17:32

Tgt Ion:	129	Resp:	282207
Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.0	100.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

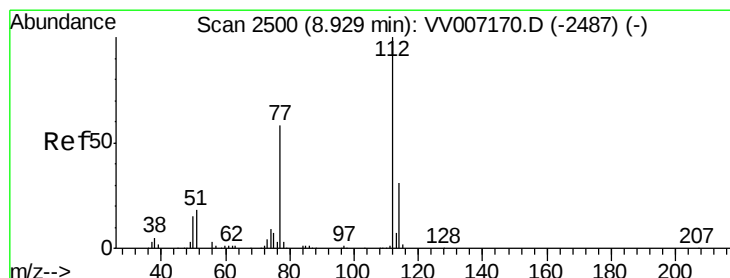
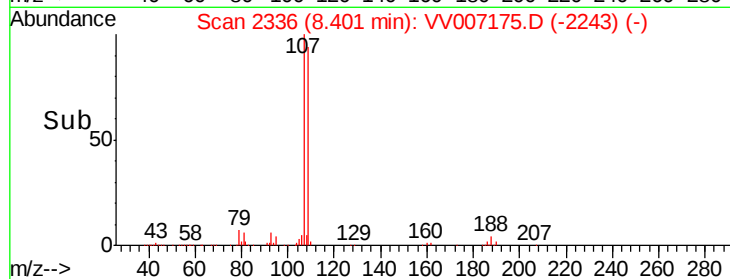
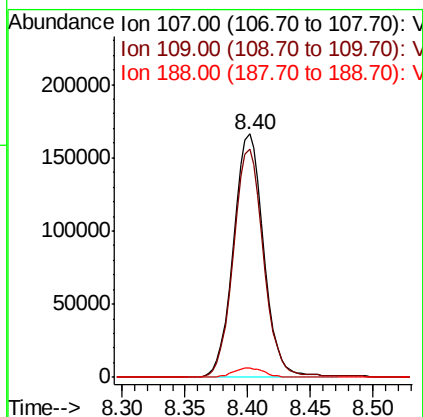
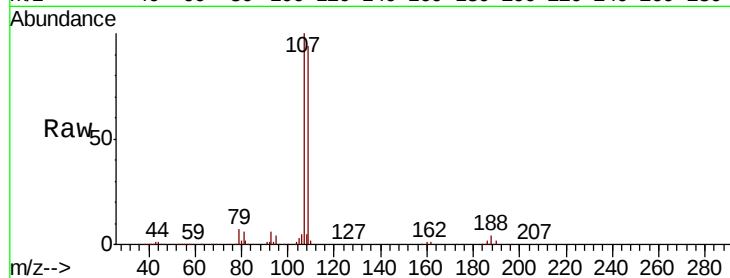




#50
 1,2-Dibromoethane
 Concen: 52.854 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

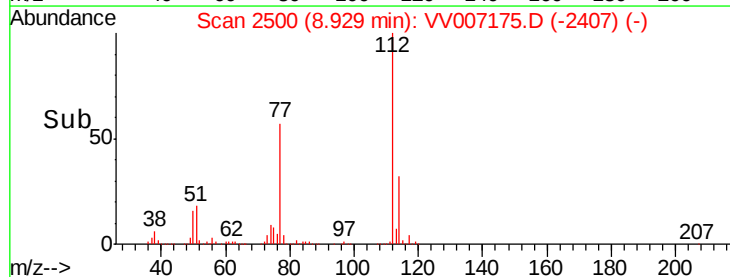
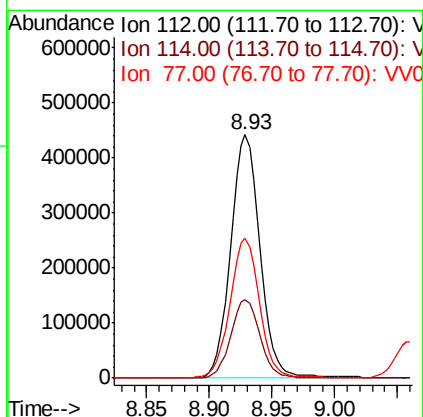
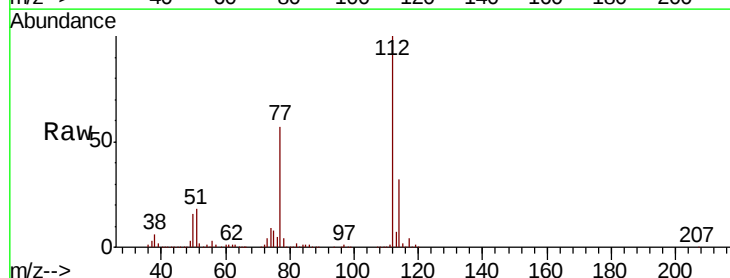
Instrument :
 MSVOA_V
 ClientSampleId :

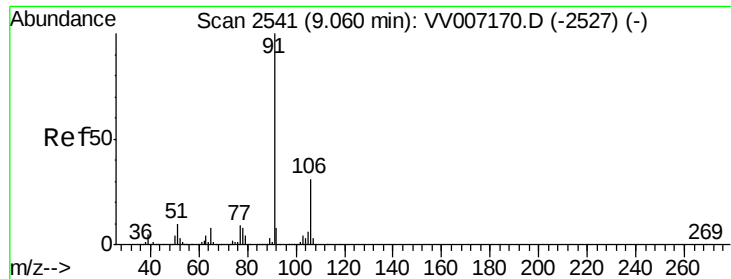
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	68.3	126.8
188	3.8	3.3	4.9



#51
 Chlorobenzene
 Concen: 51.273 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.0	40.8
77	57.3	46.4	69.6





#52

Ethylbenzene

Concen: 52.616 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

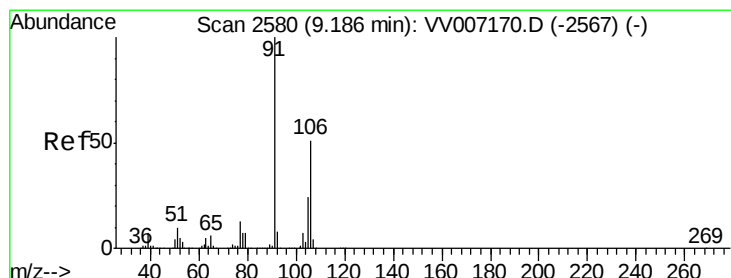
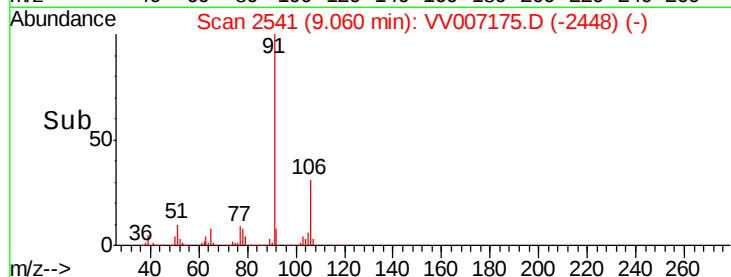
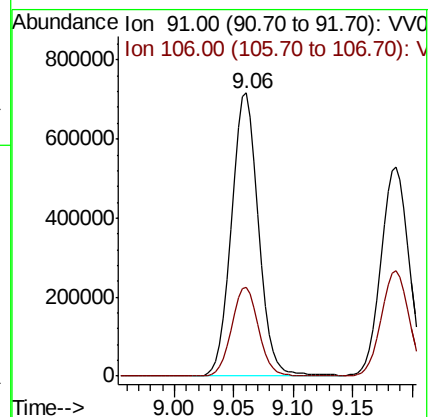
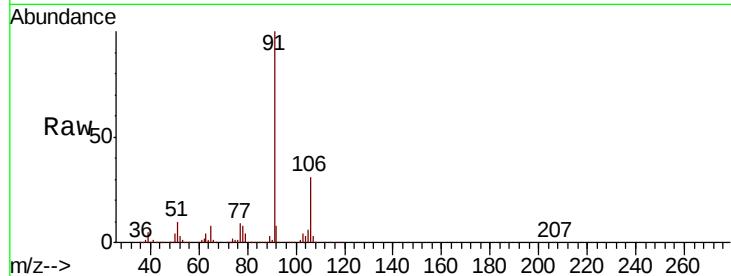
ClientSampleId :

Tot Ion: 91 Resp: 1131090

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



#53

m,p-Xylene

Concen: 53.909 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007175.D

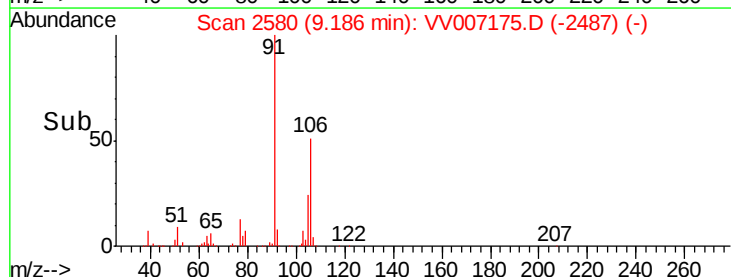
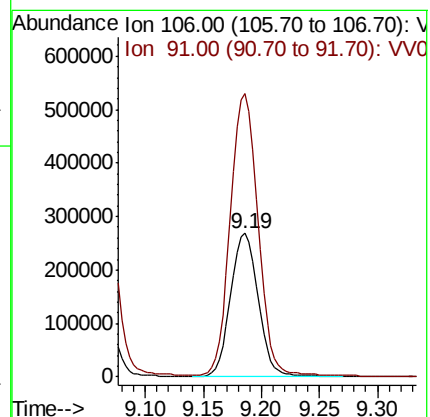
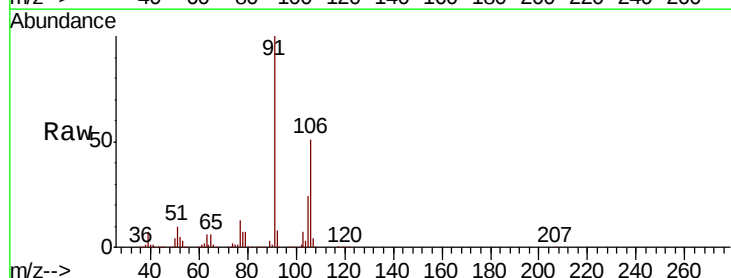
Acq: 24 Aug 2018 17:32

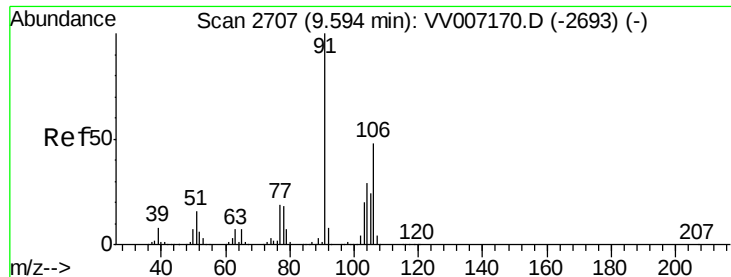
Tgt Ion: 106 Resp: 440030

Ion Ratio Lower Upper

106 100

91 197.3 138.9 258.1





#54

o-xylene

Concen: 53.475 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

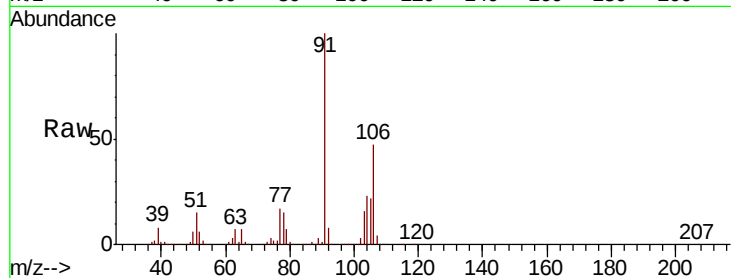
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 420109

Ion Ratio Lower Upper

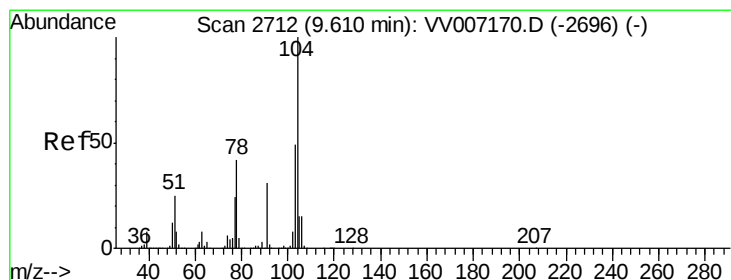
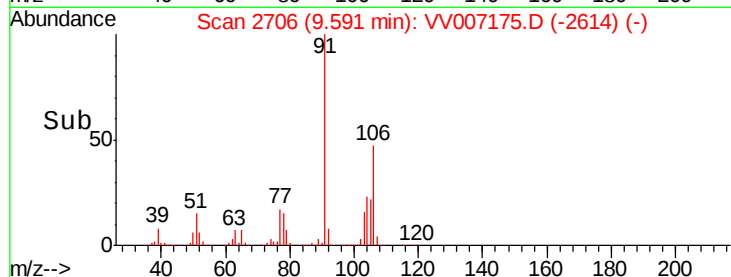
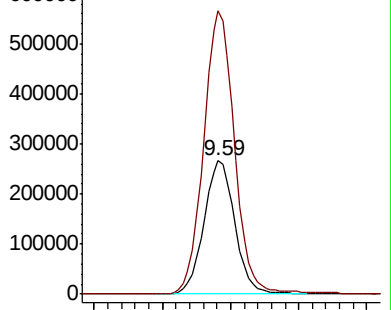
106 100

91 212.6 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): VV007175.D (-2614) (-)

Ion 91.00 (90.70 to 91.70): VV007175.D (-2614) (-)



#55

Styrene

Concen: 56.827 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007175.D

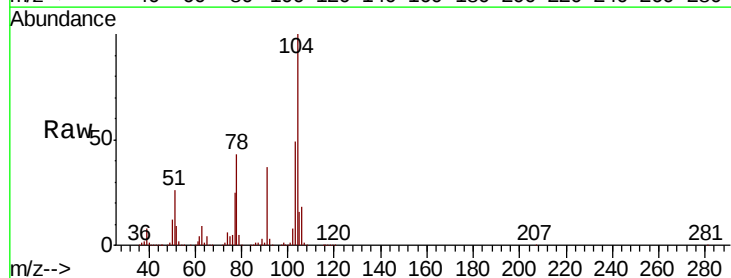
Acq: 24 Aug 2018 17:32

Tgt Ion:104 Resp: 766063

Ion Ratio Lower Upper

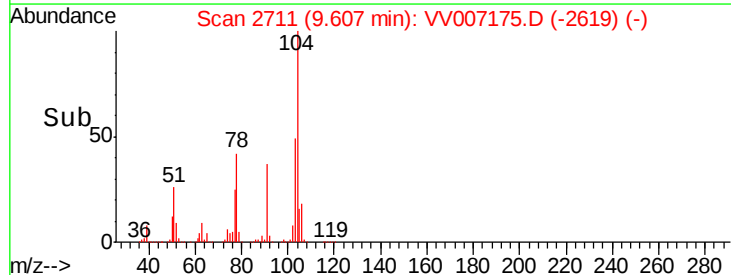
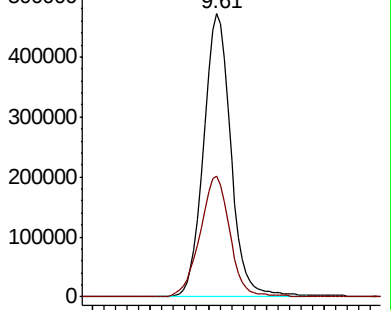
104 100

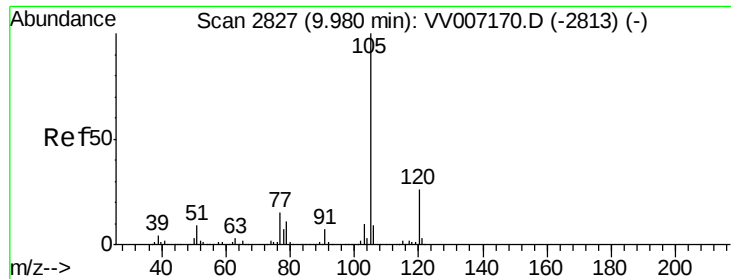
78 42.5 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): VV007175.D (-2619) (-)

Ion 78.00 (77.70 to 78.70): VV007175.D (-2619) (-)





#56

Isopropylbenzene

Concen: 54.121 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

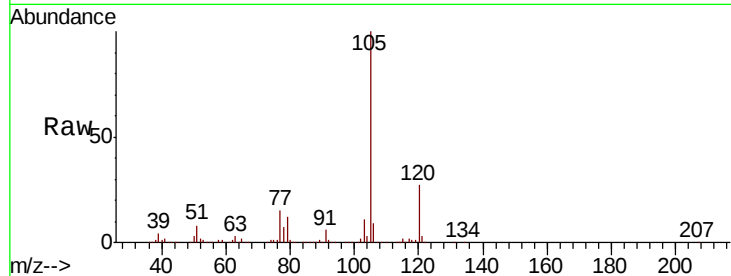
Tot Ion:105 Resp: 1087544

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

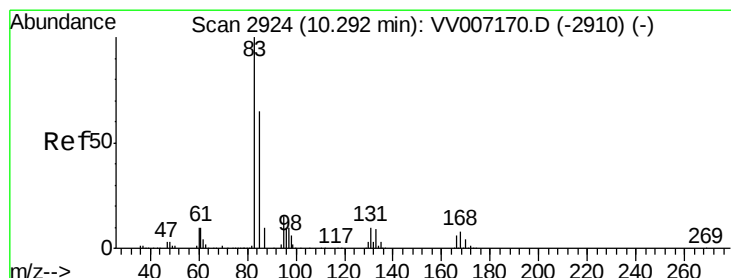
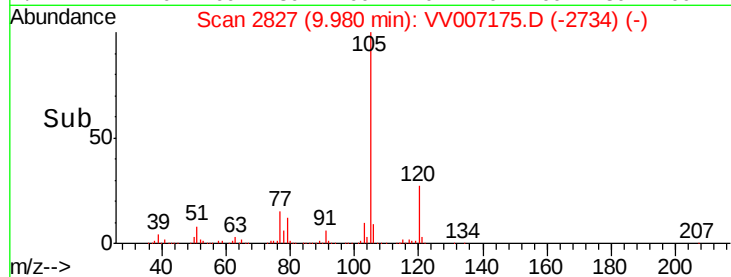
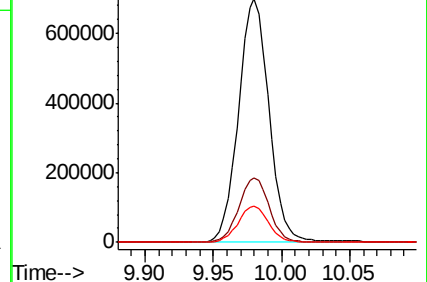
77 14.9 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): VV007175.D (-2813) (-)

Ion 120.00 (119.70 to 120.70): VV007175.D (-2813) (-)

Ion 77.00 (76.70 to 77.70): VV007175.D (-2813) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 52.670 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

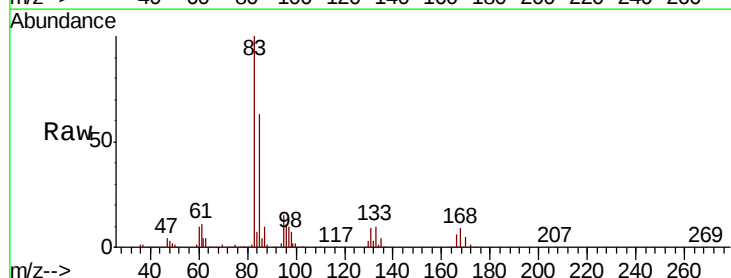
Tgt Ion: 83 Resp: 454954

Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.2

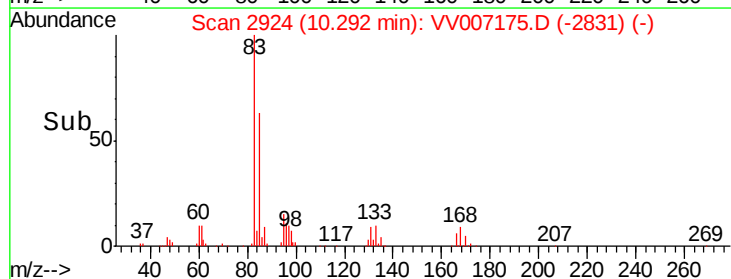
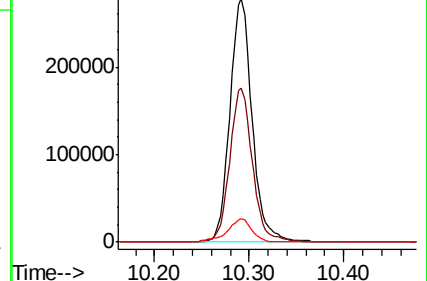
131 9.4 8.2 12.2

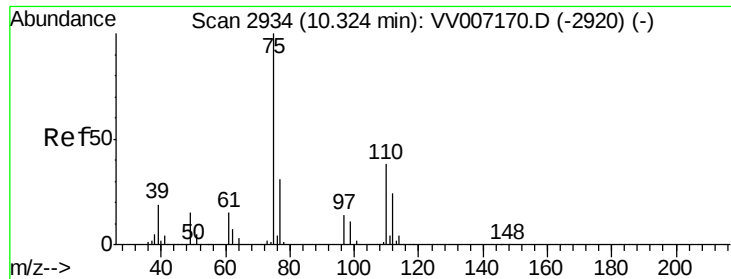


Abundance Ion 83.00 (82.70 to 83.70): VV007175.D (-2831) (-)

Ion 85.00 (84.70 to 85.70): VV007175.D (-2831) (-)

Ion 131.00 (130.70 to 131.70): VV007175.D (-2831) (-)





#59

1,2,3-Trichloropropane

Concen: 52.152 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

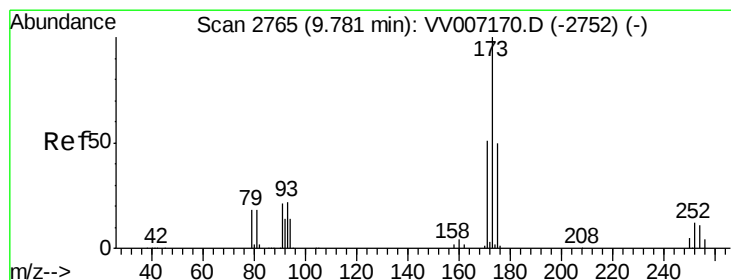
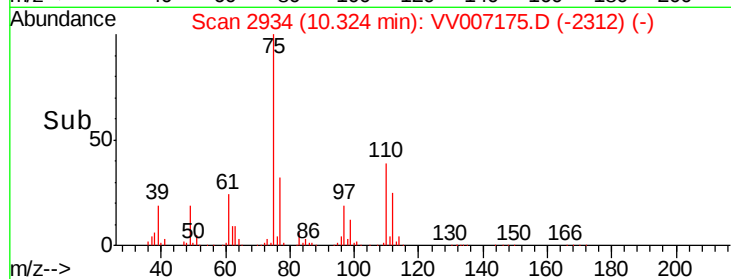
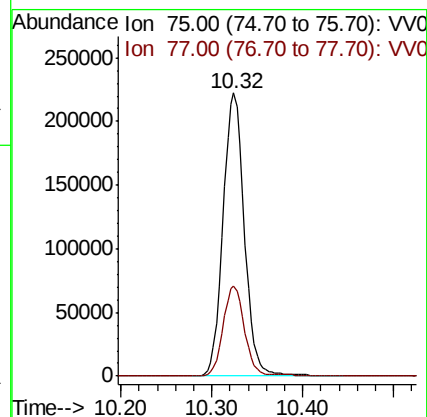
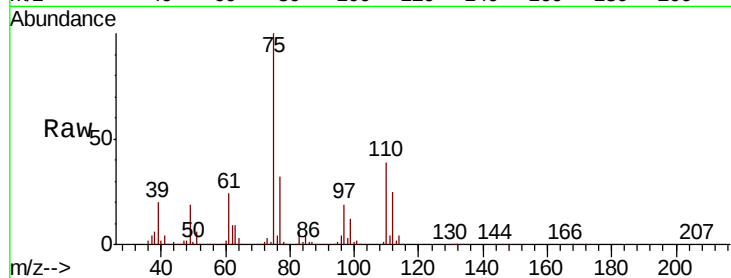
ClientSampled :

Tot Ion: 75 Resp: 362206

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#61

Bromoform

Concen: 49.567 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

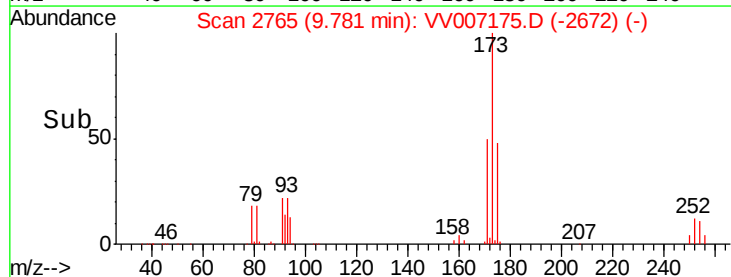
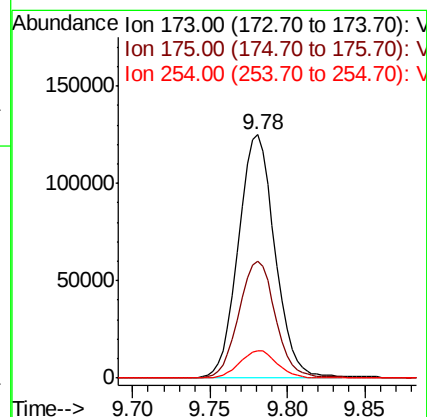
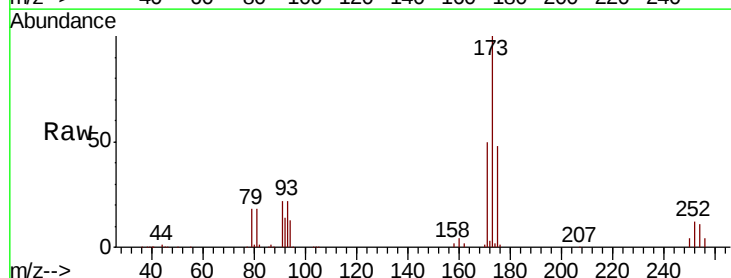
Tgt Ion: 173 Resp: 205692

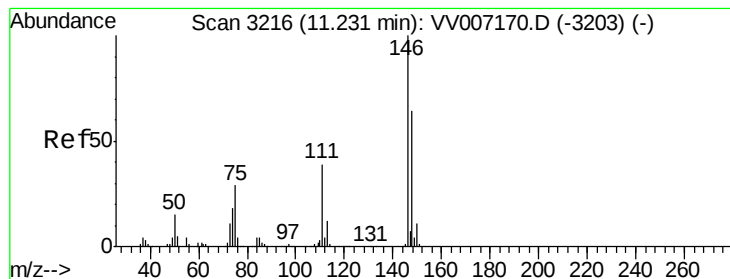
Ion Ratio Lower Upper

173 100

175 48.4 38.6 58.0

254 11.3 8.6 12.8





#62

1,3-Dichlorobenzene

Concen: 50.113 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

ClientSampled :

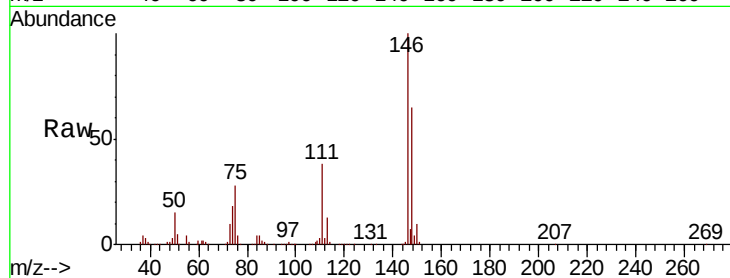
Tot Ion:146 Resp: 524583

Ion Ratio Lower Upper

146 100

111 38.2 27.1 50.3

148 64.8 44.8 83.2

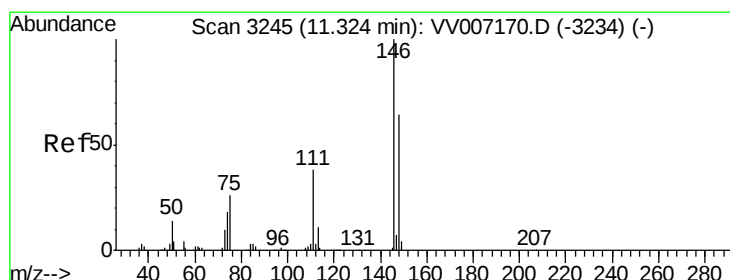
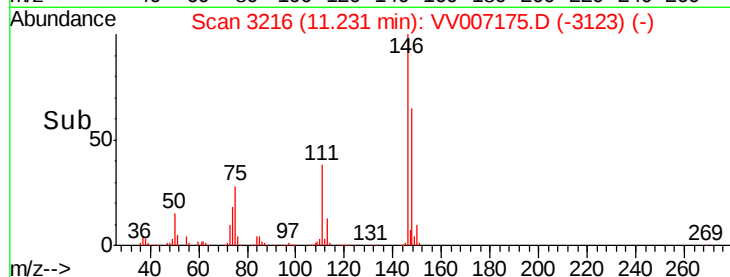
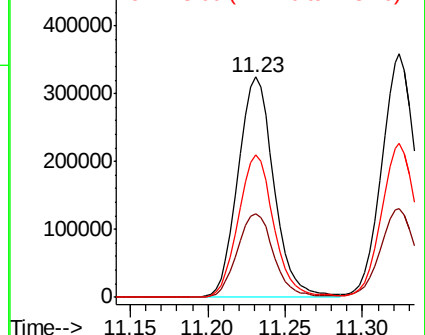


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.616 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

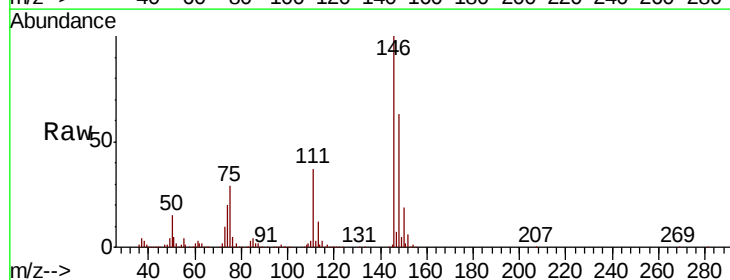
Tgt Ion:146 Resp: 570093

Ion Ratio Lower Upper

146 100

111 36.6 26.7 49.5

148 63.1 44.7 82.9

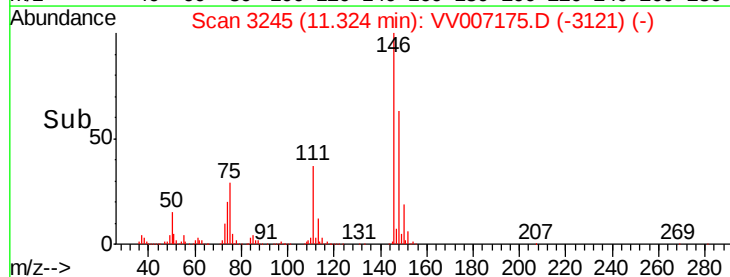
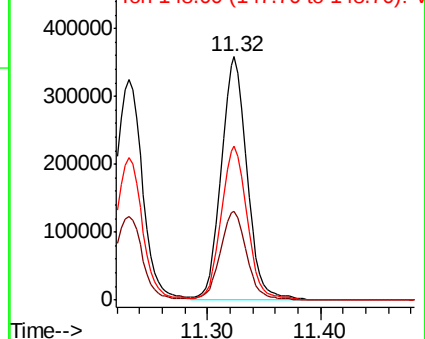


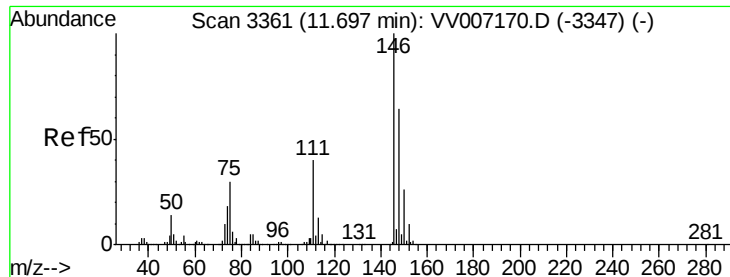
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

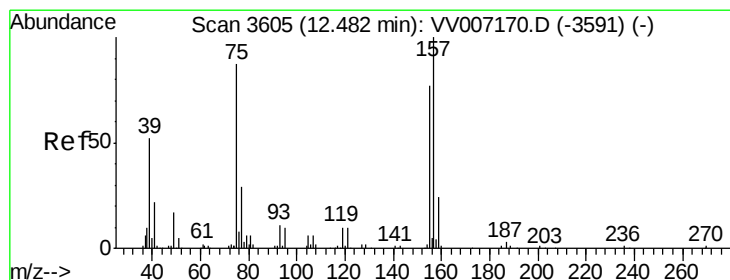
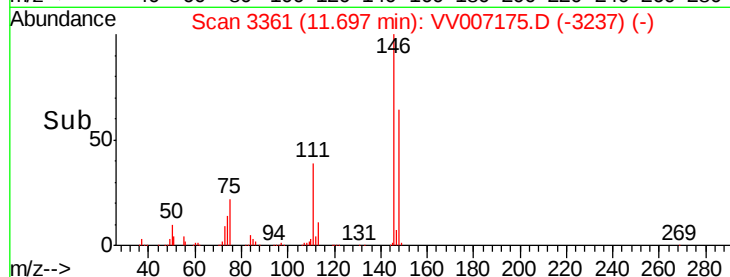
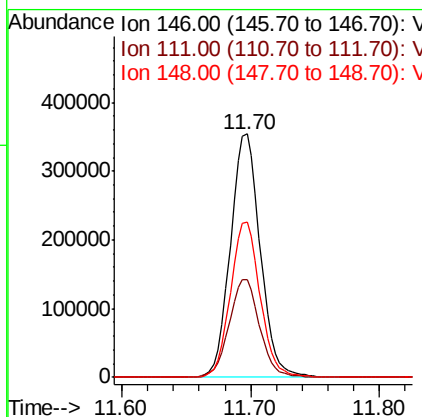
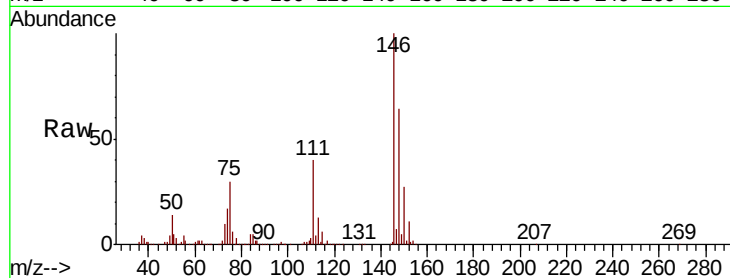




#65
 1,2-Dichlorobenzene
 Concen: 50.636 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

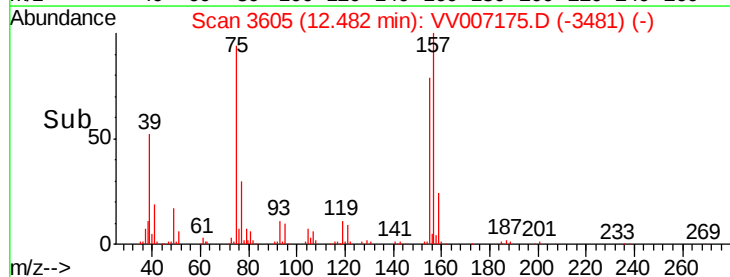
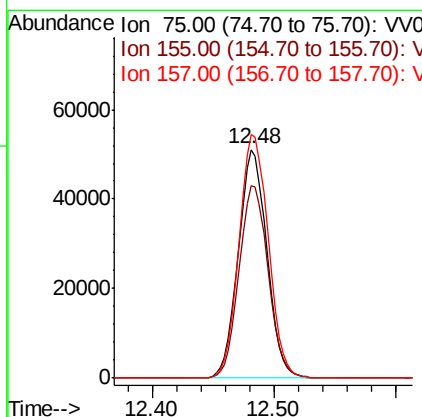
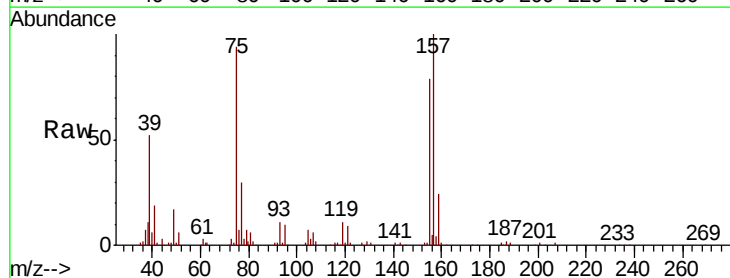
Instrument :
 MSVOA_V
 ClientSampleId :

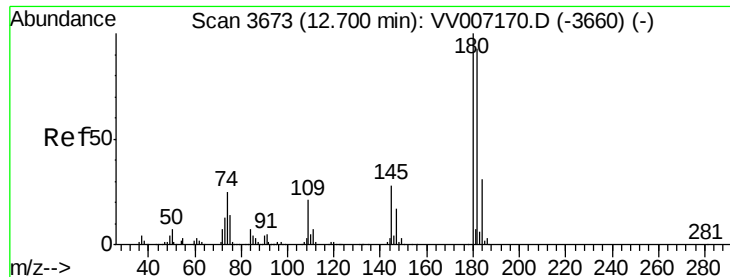
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	32.2	48.2
148	63.6	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.970 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	70.6	106.0
157	106.6	91.8	137.8

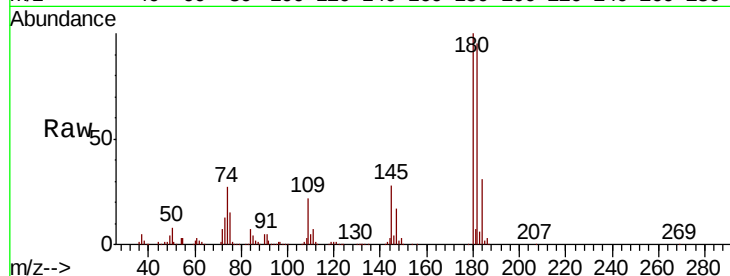




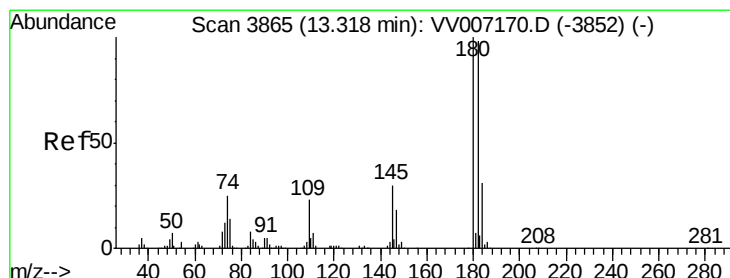
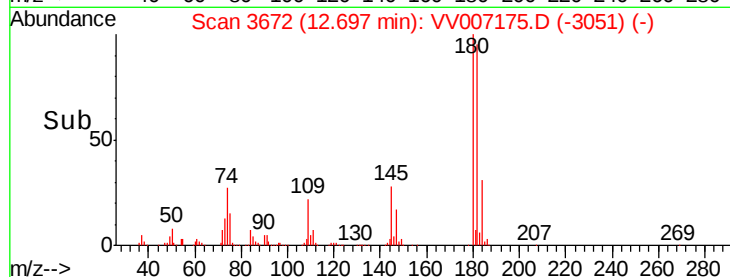
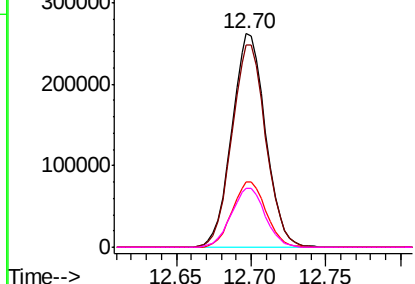
#67
 1,3,5-Trichlorobenzene
 Concen: 53.747 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	410459
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.8 113.8
184	30.7	24.4 36.6
145	28.0	22.6 33.8

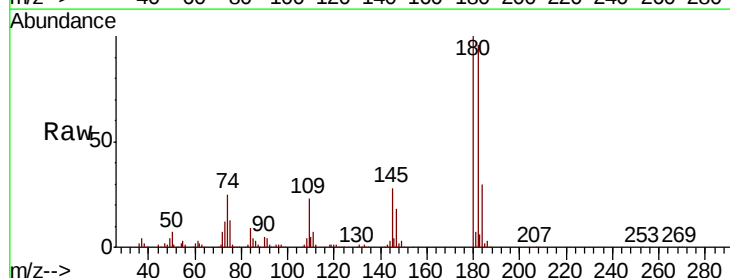


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

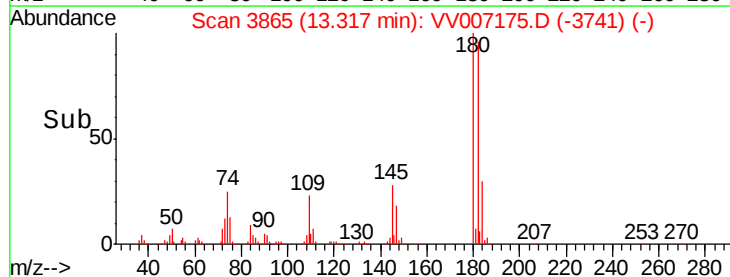
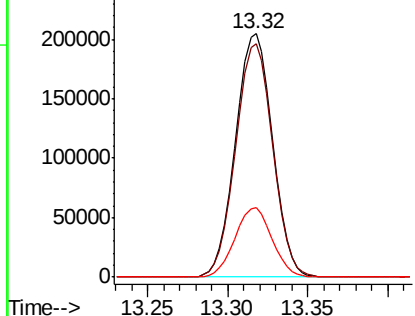


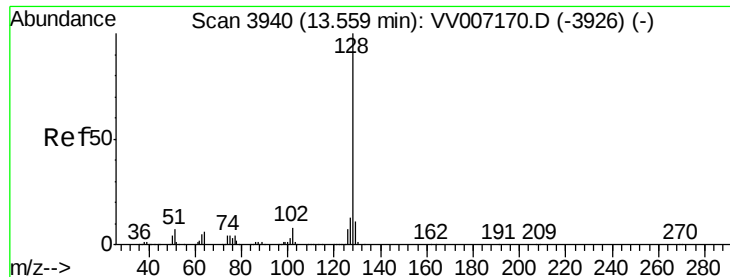
#68
 1,2,4-trichlorobenzene
 Concen: 56.753 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007175.D
 Acq: 24 Aug 2018 17:32

Tgt Ion:180	Resp:	323236
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.6 116.4
145	28.5	23.4 35.2



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





#69

Naphthalene

Concen: 52.425 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

Instrument :

MSVOA_V

ClientSampleId :

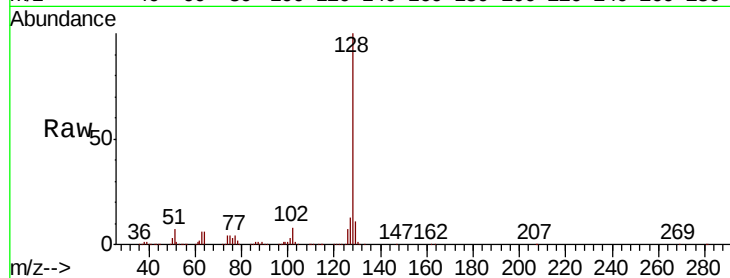
Tot Ion:128 Resp: 812290

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

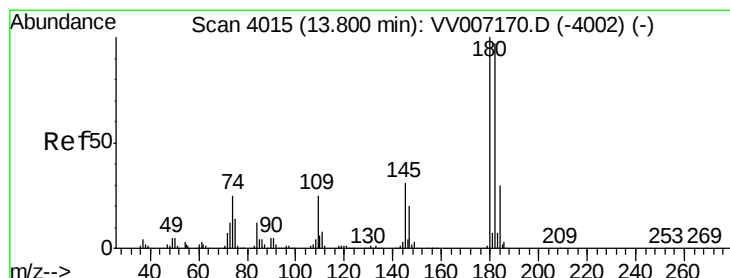
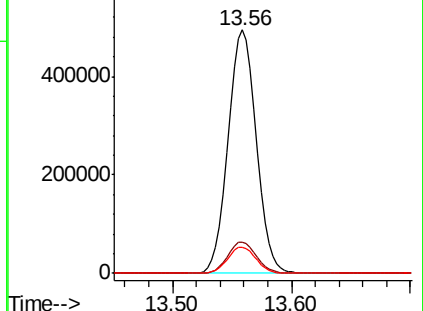
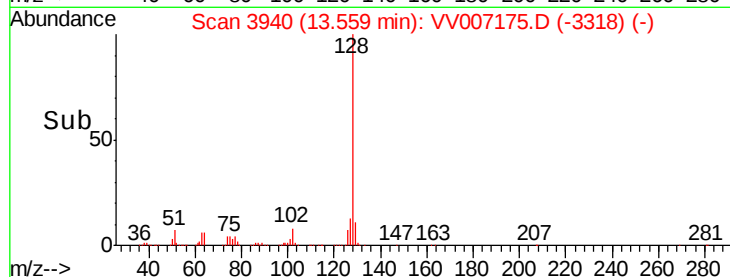
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 58.906 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007175.D

Acq: 24 Aug 2018 17:32

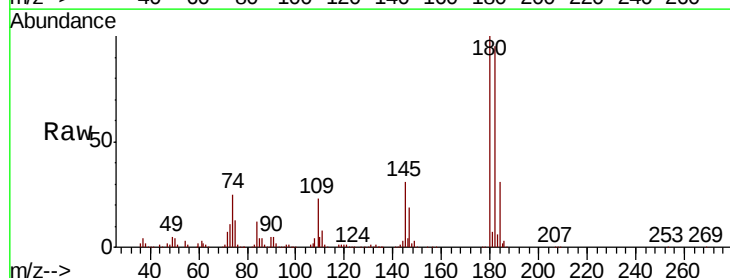
Tgt Ion:180 Resp: 360033

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.4

145 30.6 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

