

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007171.D
 Acq On : 24 Aug 2018 15:17
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:21:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	608080	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	585619	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	298755	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	435088	111.68	ug/L	0.00
7) Chloroethane-d5	1.58	69	346798	133.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	752475	105.58	ug/L	0.00
21) 2-Butanone-d5	3.95	46	679983	211.63	ug/L	0.00
24) Chloroform-d	4.41	84	838396	102.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	511340	103.66	ug/L	0.00
32) Benzene-d6	5.10	84	1764799	108.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	562786	104.56	ug/L	0.00
41) Toluene-d8	7.37	98	1606174	111.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	254257	109.73	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	442218	235.52	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	761637	99.36	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	609318	101.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	487292	89.935	ug/L 99
3) Chloromethane	1.25	50	559591	81.352	ug/L 100
5) Vinyl chloride	1.32	62	506474	89.400	ug/L 100
6) Bromomethane	1.53	94	176218	119.644	ug/L 99
8) Chloroethane	1.60	64	300464	96.058	ug/L 99
9) Trichlorofluoromethane	1.77	101	640547	93.118	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	391824	93.445	ug/L 99
12) 1,1-Dichloroethene	2.14	96	369122	92.362	ug/L 97
13) Acetone	2.20	43	441861	178.455	ug/L 99
14) Carbon disulfide	2.32	76	1109464	91.019	ug/L 100
15) Methyl Acetate	2.46	43	425073	93.550	ug/L 99
16) Methylene chloride	2.54	84	417355	90.892	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	399922	92.488	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	1224836	92.672	ug/L 99
19) 1,1-Dichloroethane	3.23	63	825786	92.668	ug/L 98
20) cis-1,2-Dichloroethene	3.97	96	487304	96.635	ug/L 100
22) 2-Butanone	4.04	43	756430	193.294	ug/L 98
23) Bromochloromethane	4.30	128	246421	95.368	ug/L 99
25) Chloroform	4.43	83	818448	93.701	ug/L 99
27) 1,2-Dichloroethane	5.19	62	621999	94.261	ug/L 99
29) Cyclohexane	4.73	56	725005	99.791	ug/L 99
30) 1,1,1-Trichloroethane	4.66	97	692580	94.316	ug/L 100
31) Carbon tetrachloride	4.88	117	596484	96.351	ug/L 99
33) Benzene	5.15	78	1918941	97.124	ug/L 100
34) Trichloroethene	5.96	95	445236	94.326	ug/L 98
35) Methylcyclohexane	6.18	83	769999	102.155	ug/L 99
37) 1,2-Dichloropropane	6.23	63	499384	94.708	ug/L 100
38) Bromodichloromethane	6.56	83	602189	95.423	ug/L 98
39) cis-1,3-Dichloropropene	7.08	75	735206	103.016	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	1274574	199.718	ug/L 96

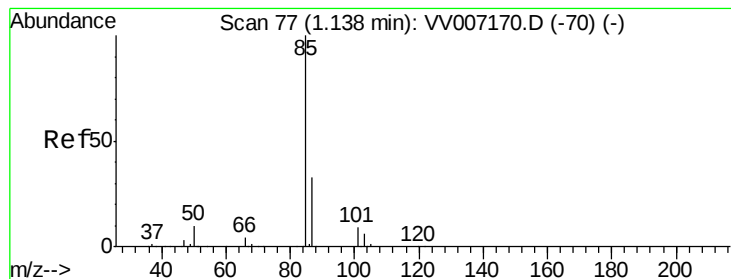
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1940138	101.566	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	686361	103.524	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	462999	94.156	ug/L	99
46) Tetrachloroethene	8.02	164	374325	97.430	ug/L	97
48) 2-Hexanone	8.19	43	1032745	204.018	ug/L	99
49) Dibromochloromethane	8.30	129	481682	97.378	ug/L	100
50) 1,2-Dibromoethane	8.40	107	464775	95.680	ug/L	97
51) Chlorobenzene	8.93	112	1227806	96.868	ug/L	98
52) Ethylbenzene	9.06	91	2059819	106.056	ug/L	99
53) m,p-Xylene	9.19	106	797127	107.278	ug/L	98
54) o-xylene	9.59	106	768818	106.944	ug/L	97
55) Styrene	9.61	104	1362861	109.943	ug/L	100
56) Isopropylbenzene	9.98	105	1973908	108.609	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	765766	91.167	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	609677	90.319	ug/L	98
61) Bromoform	9.78	173	353143	87.901	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	916716	95.311	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	971367	95.256	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	981784	93.453	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	142725	96.404	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	710631	106.903	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	580586	127.789	ug/L	100
69) Naphthalene	13.56	128	1692942	137.750	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	634917	128.741	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 89.935 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

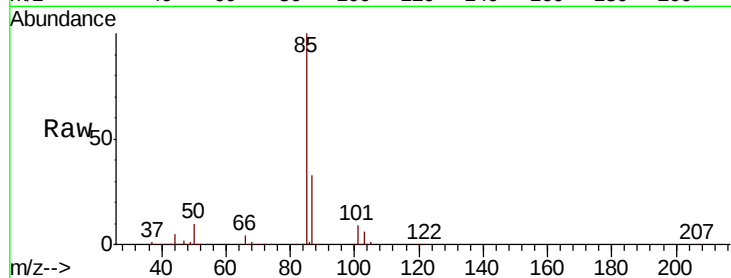
ClientSampleId :

Tot Ion: 85 Resp: 487292

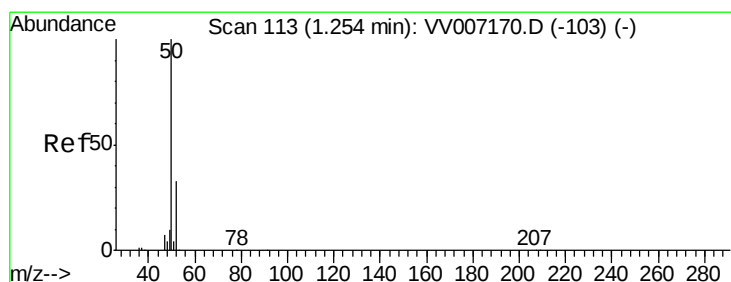
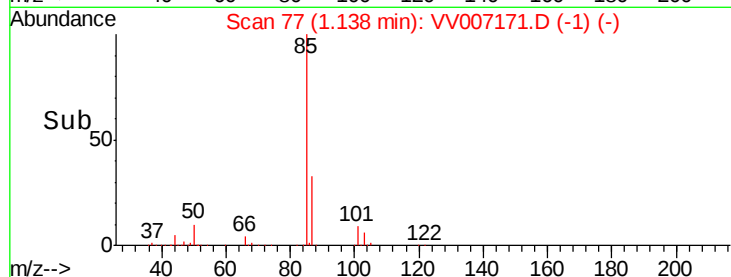
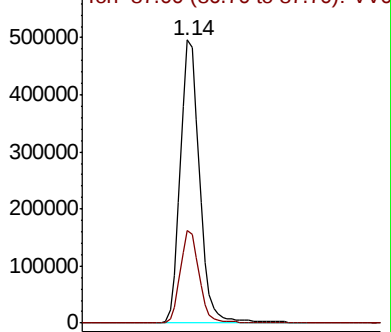
Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007171.D (-1) (-)



#3

Chloromethane

Concen: 81.352 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007171.D

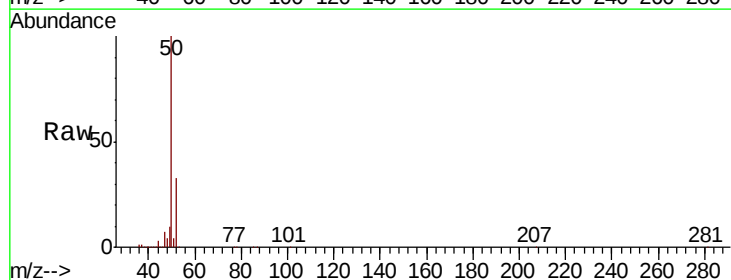
Acq: 24 Aug 2018 15:17

Tgt Ion: 50 Resp: 559591

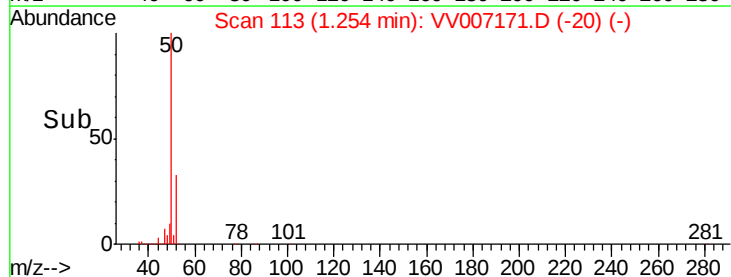
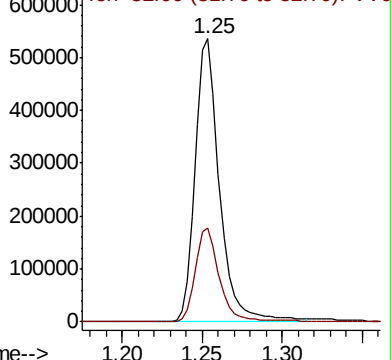
Ion Ratio Lower Upper

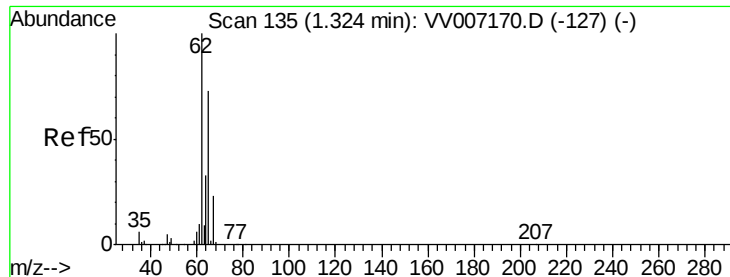
50 100

52 33.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007171.D (-20) (-)





#5

Vinyl chloride

Concen: 89.400 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

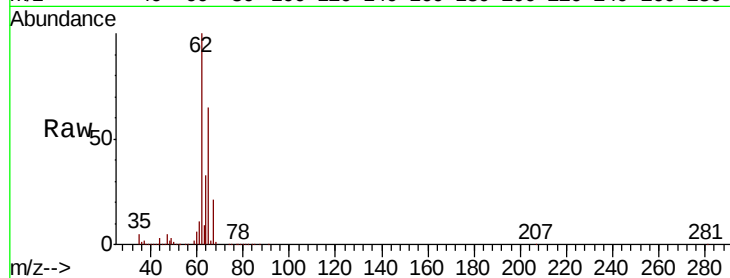
ClientSampled :

Tot Ion: 62 Resp: 506474

Ion Ratio Lower Upper

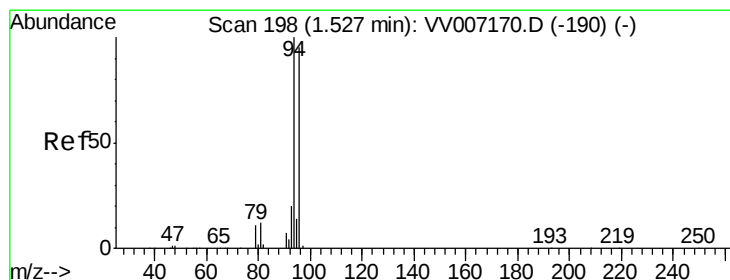
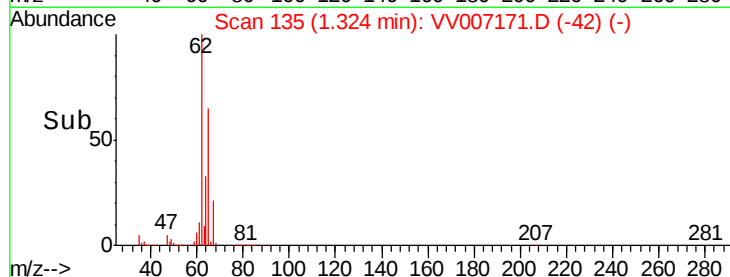
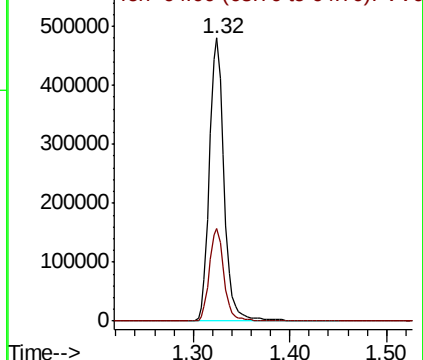
62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 119.644 ug/L

RT: 1.53 min Scan# 199

Delta R.T. 0.00 min

Lab File: VV007171.D

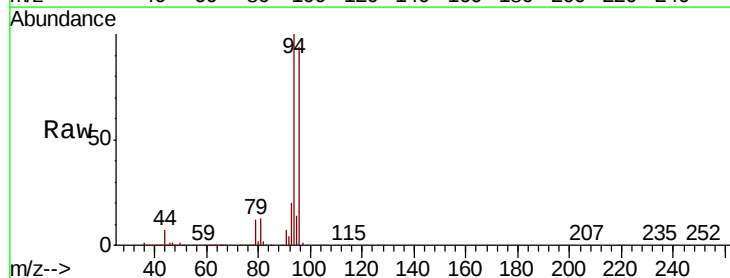
Acq: 24 Aug 2018 15:17

Tgt Ion: 94 Resp: 176218

Ion Ratio Lower Upper

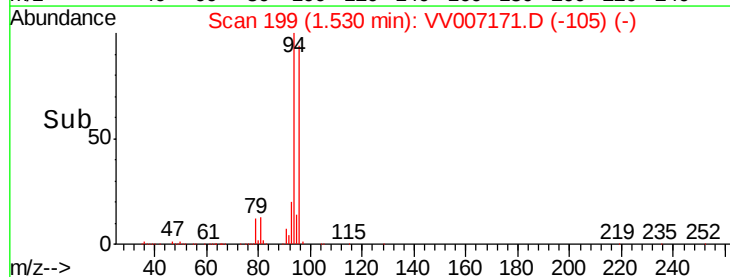
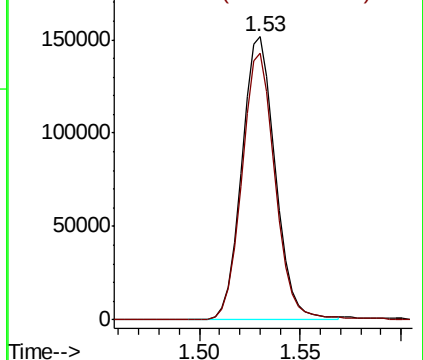
94 100

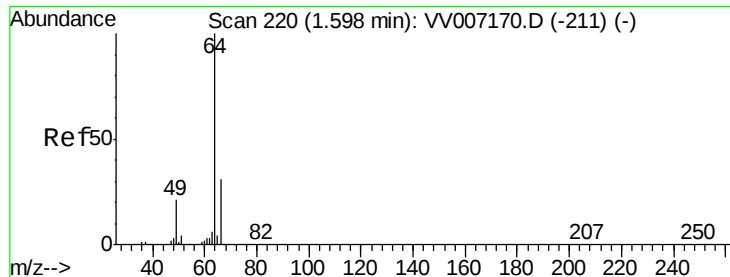
96 94.3 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 96.058 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

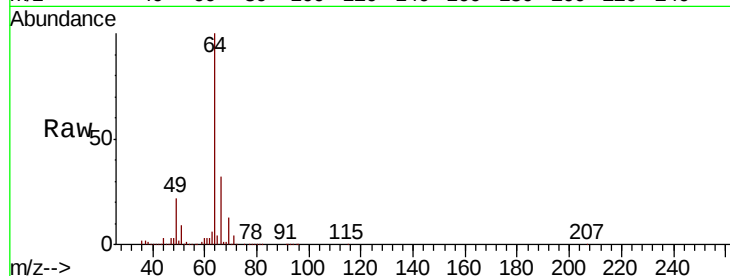
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 300464

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV007171.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV007171.D (-150) (-)

1.60

250000

200000

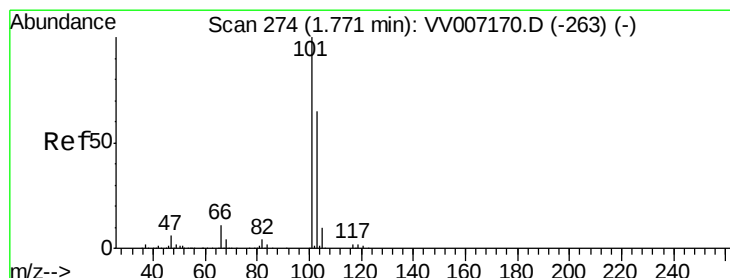
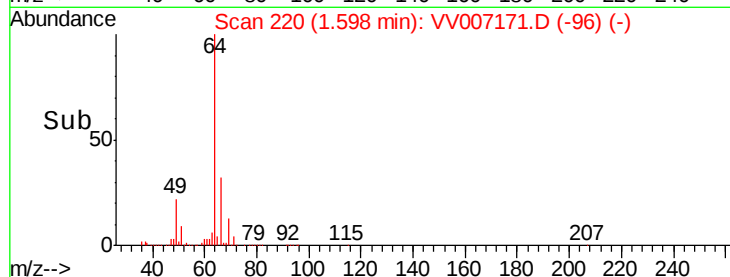
150000

100000

50000

0

Time--> 1.50 1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 93.118 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV007171.D

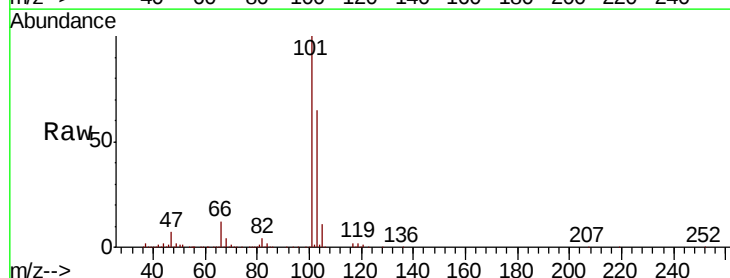
Acq: 24 Aug 2018 15:17

Tgt Ion:101 Resp: 640547

Ion Ratio Lower Upper

101 100

103 65.4 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VV007171.D (-150) (-)

Ion 103.00 (102.70 to 103.70): VV007171.D (-150) (-)

1.77

500000

400000

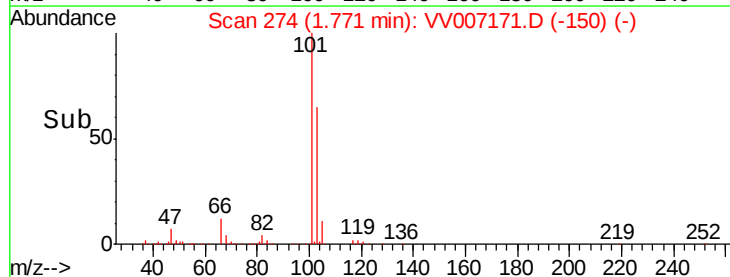
300000

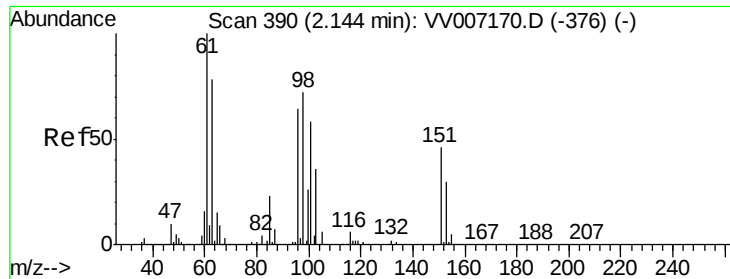
200000

100000

0

Time--> 1.70 1.75 1.80 1.85





#10

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

Concen: 93.445 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

ClientSampleId :

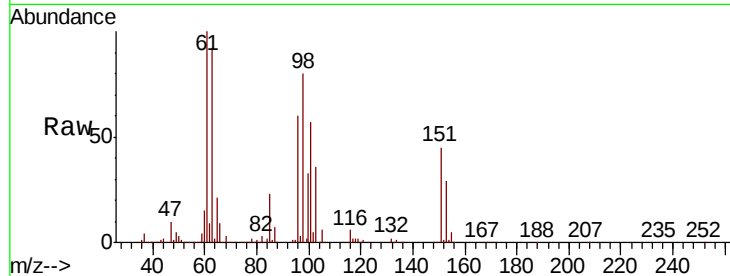
Tot Ion:101 Resp: 391824

Ion Ratio Lower Upper

101 100

85 40.0 31.8 47.8

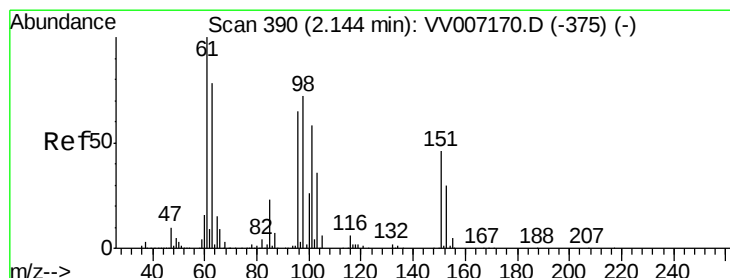
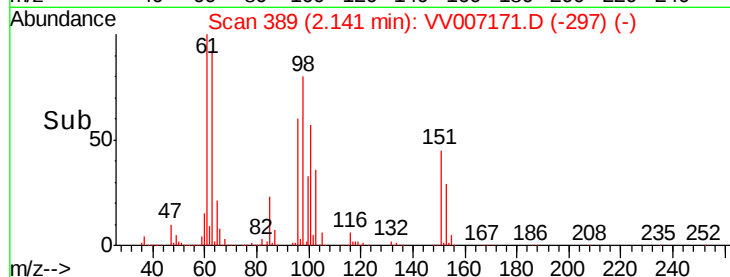
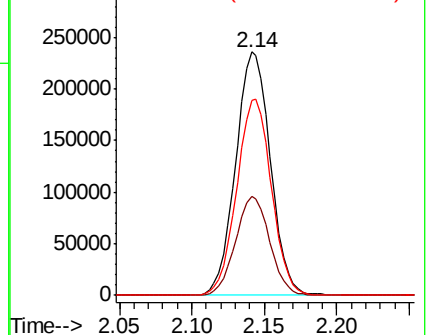
151 80.6 64.0 96.0



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: 92.362 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

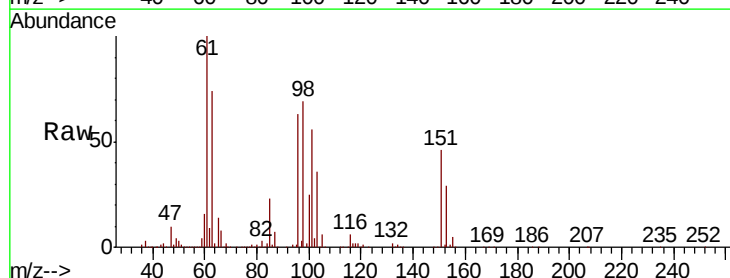
Tgt Ion: 96 Resp: 369122

Ion Ratio Lower Upper

96 100

61 158.5 108.5 201.5

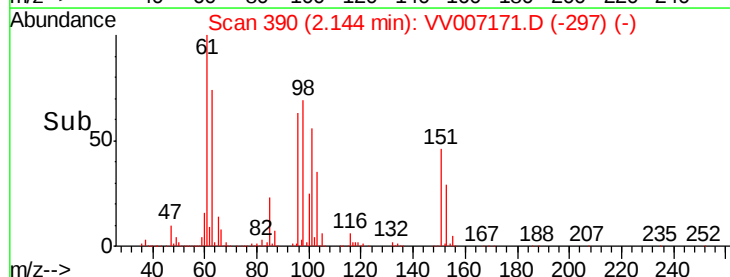
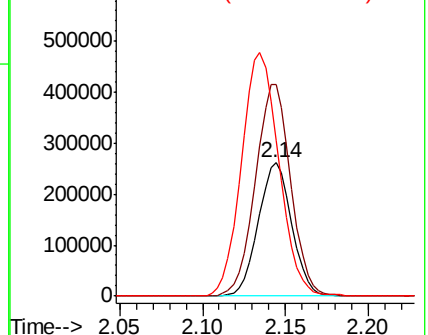
63 116.7 84.9 157.7

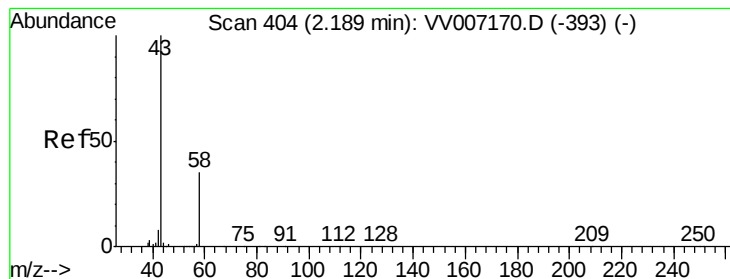


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 178.455 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.01 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

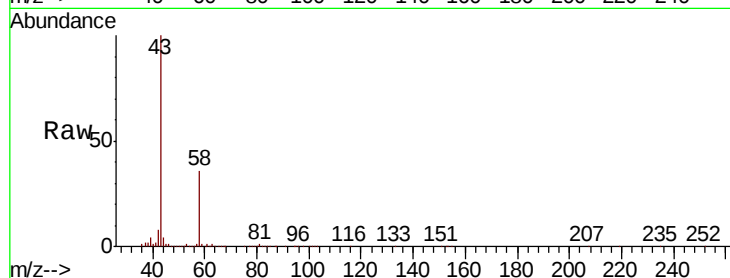
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 441861

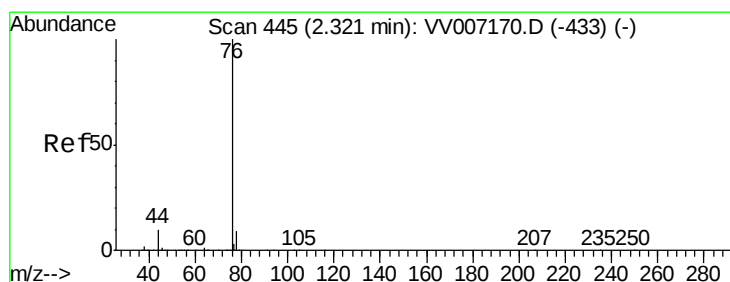
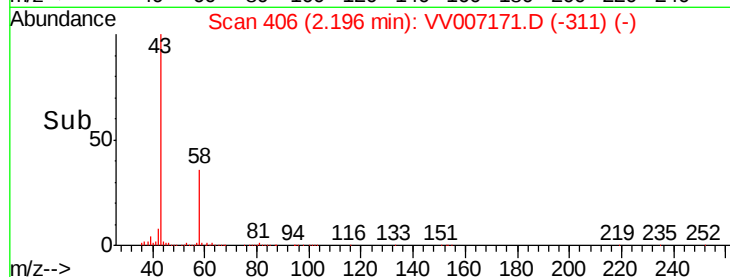
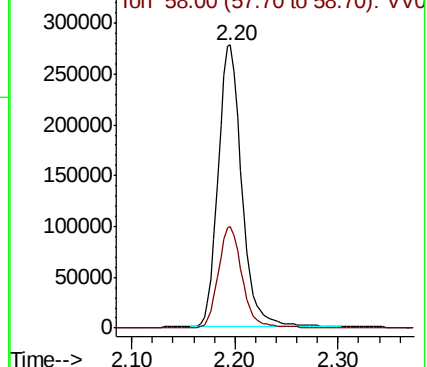
Ion Ratio Lower Upper

43 100

58 36.3 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV007171.D (-406) (-)



#14

Carbon disulfide

Concen: 91.019 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV007171.D

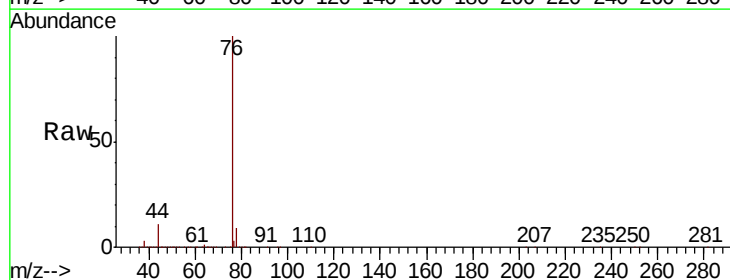
Acq: 24 Aug 2018 15:17

Tgt Ion: 76 Resp: 1109464

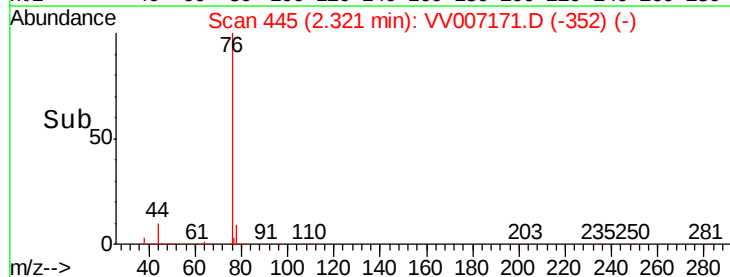
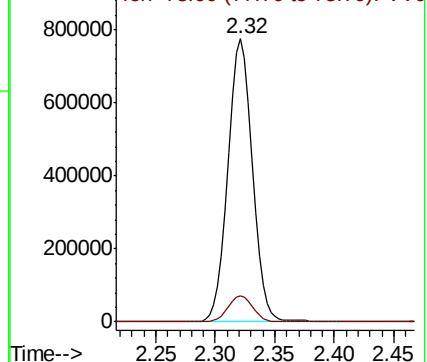
Ion Ratio Lower Upper

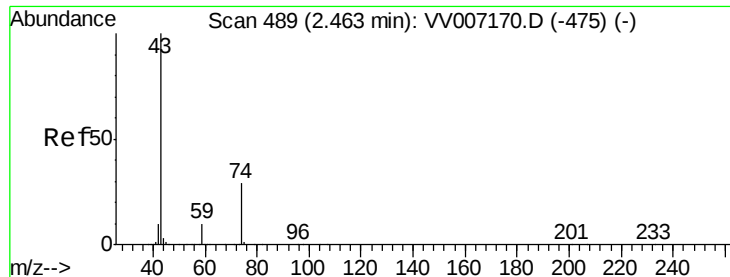
76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007171.D (-445) (-)





#15

Methvl Acetate

Concen: 93.550 ug/L

RT: 2.46 min Scan# 489

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

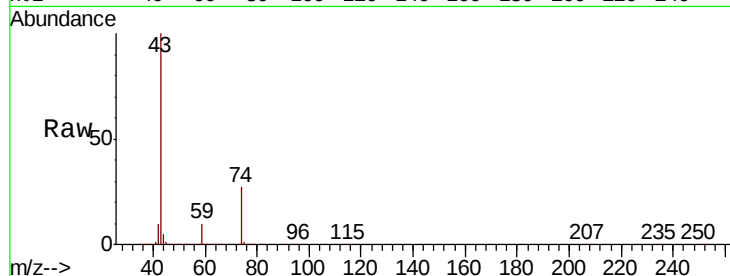
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 425073

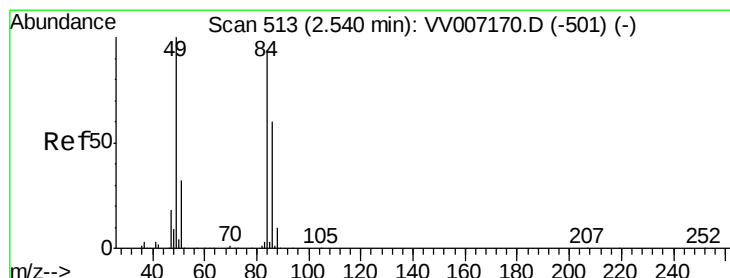
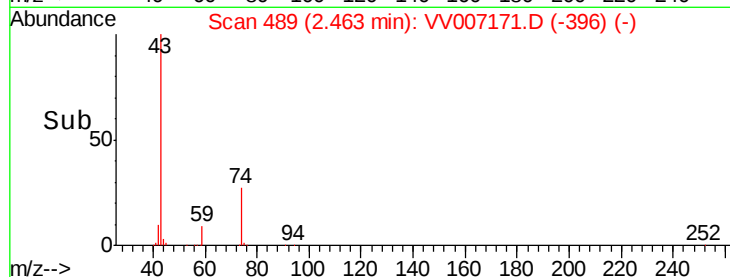
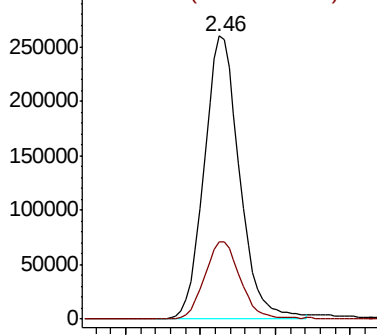
Ion Ratio Lower Upper

43 100

74 27.7 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: 90.892 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

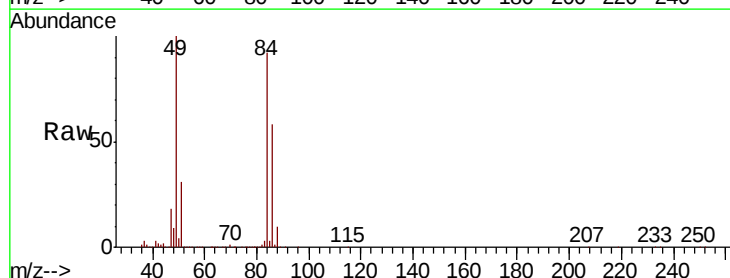
Tgt Ion: 84 Resp: 417355

Ion Ratio Lower Upper

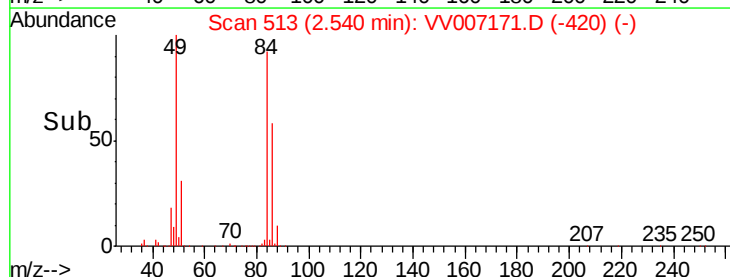
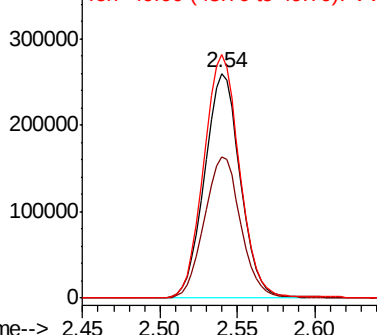
84 100

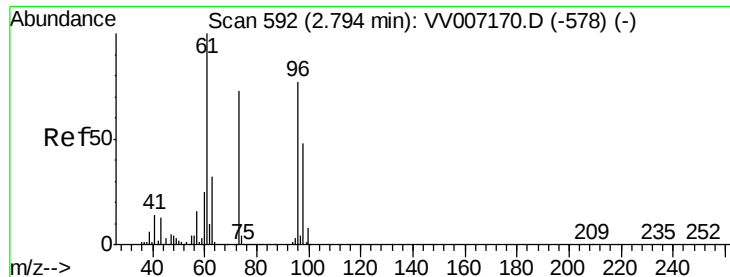
86 63.0 44.9 83.3

49 108.3 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: 92.488 ug/L

RT: 2.79 min Scan# 592

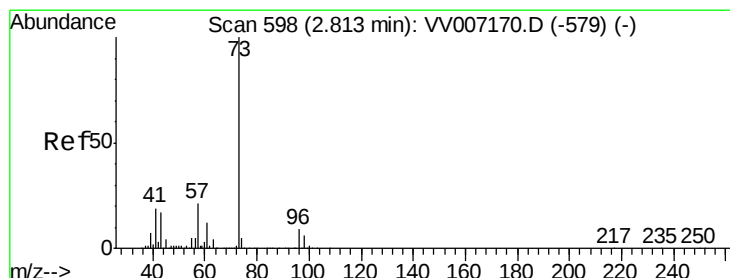
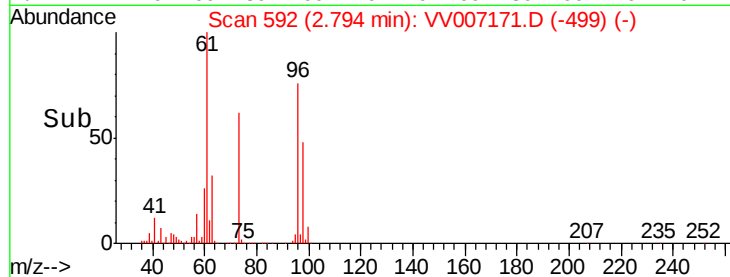
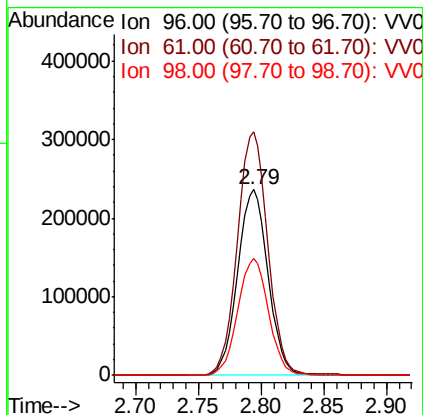
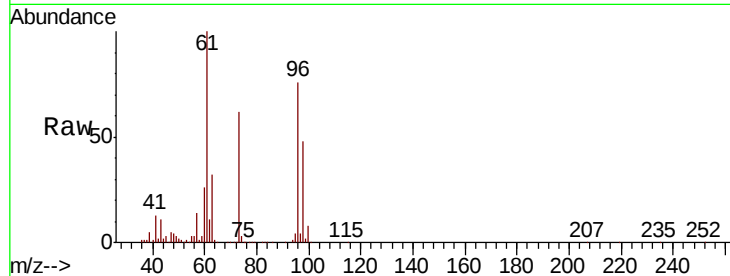
Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	96	Resp:	399922
Ion	Ratio	Lower	Upper
96	100		
61	131.3	90.6	168.2
98	62.9	43.8	81.3



#18

Methyl tert-butyl Ether

Concen: 92.672 ug/L

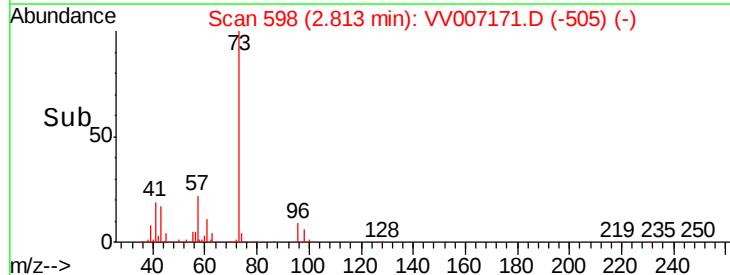
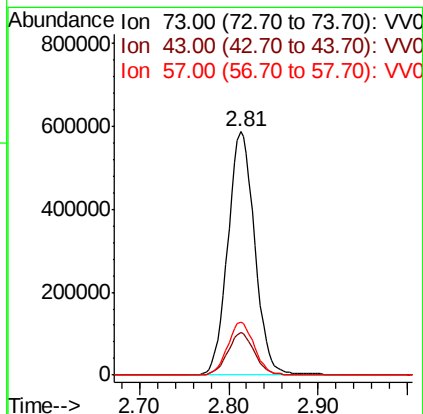
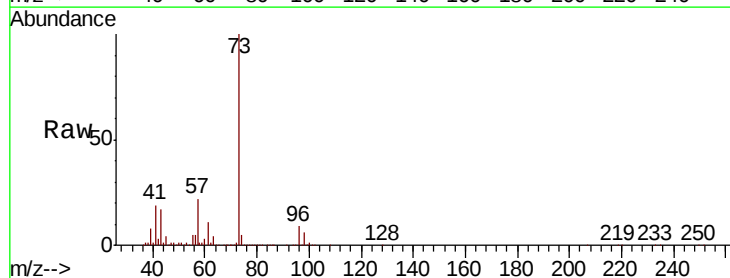
RT: 2.81 min Scan# 598

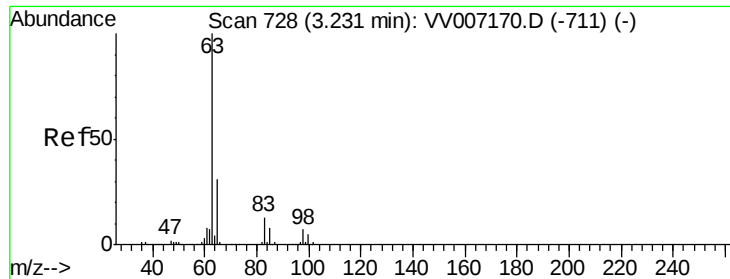
Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Tgt Ion:	73	Resp:	1224836
Ion	Ratio	Lower	Upper
73	100		
43	17.2	13.7	20.5
57	21.6	16.8	25.2

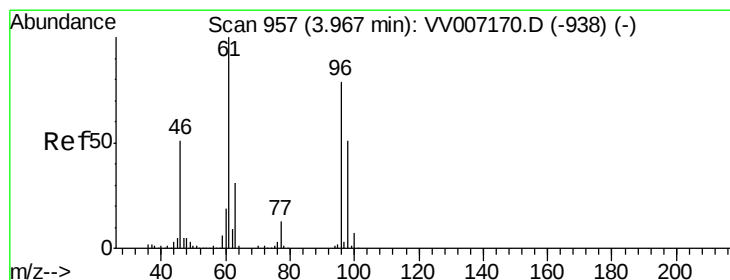
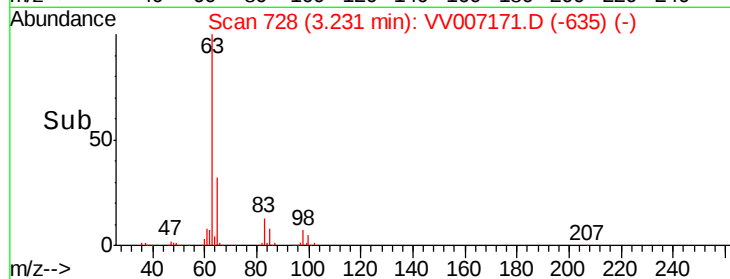
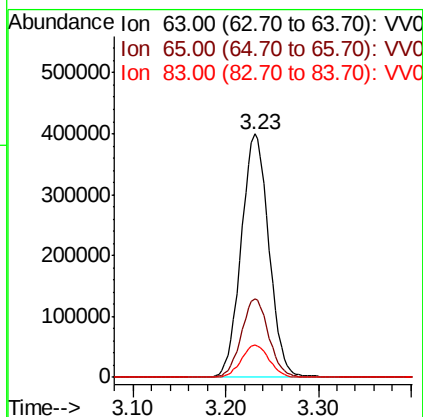
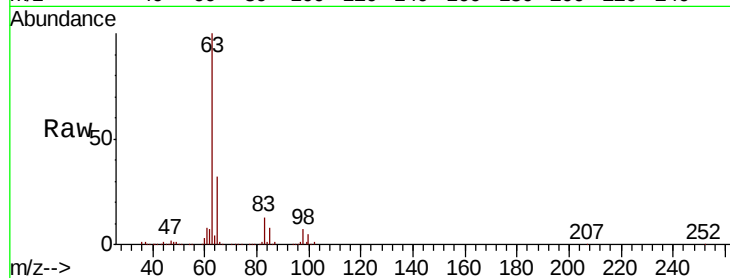




#19
 1,1-Dichloroethane
 Concen: 92.668 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

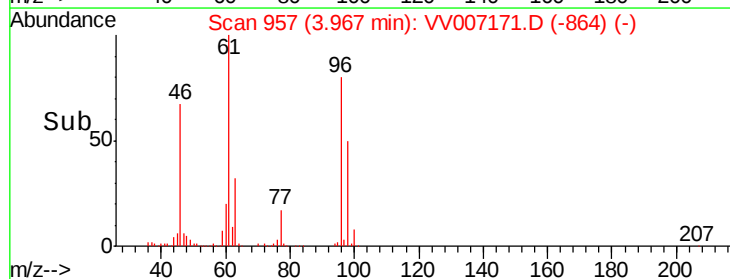
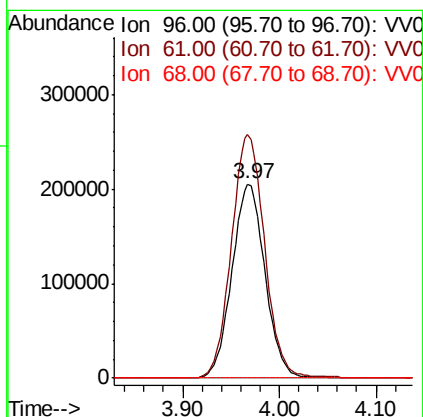
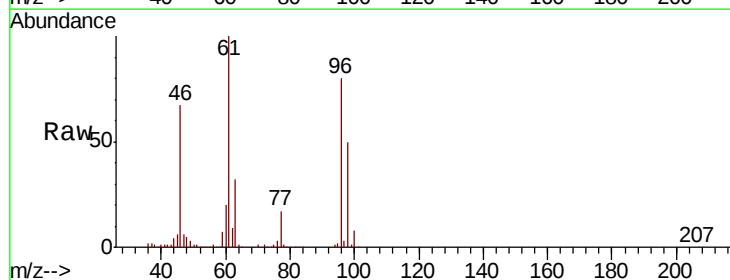
Instrument :
 MSVOA_V
 ClientSampleId :

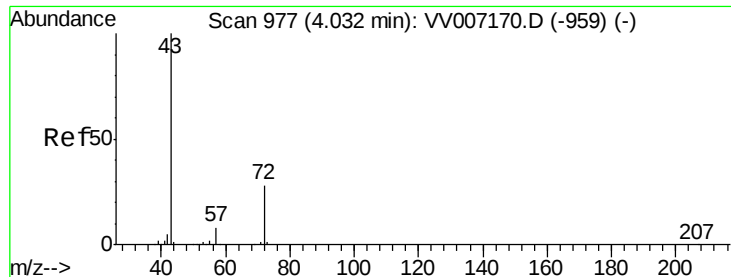
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.8	40.4
83	13.1	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 96.635 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.5	88.2	163.8
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 193.294 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.01 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

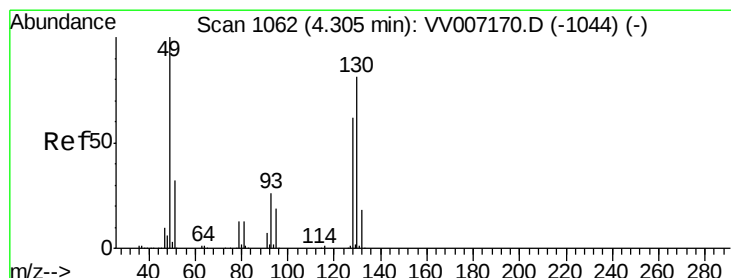
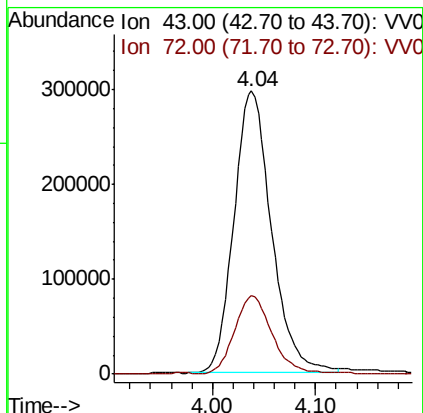
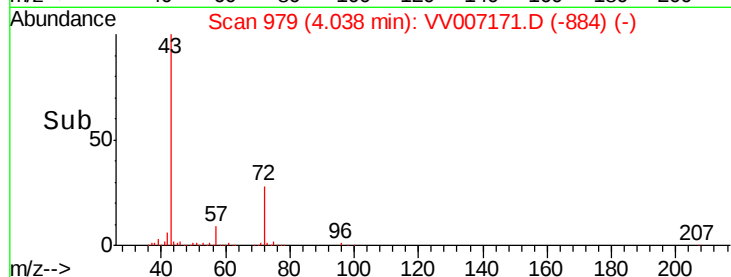
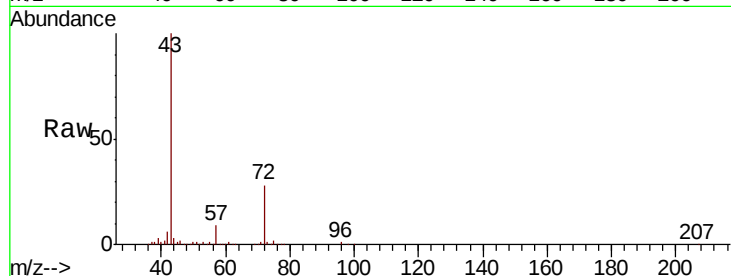
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 756430

Ion Ratio Lower Upper

43 100

72 27.6 13.4 40.1



#23

Bromochloromethane

Concen: 95.368 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Tgt Ion:128 Resp: 246421

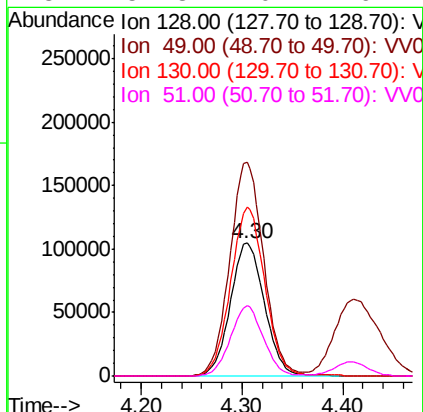
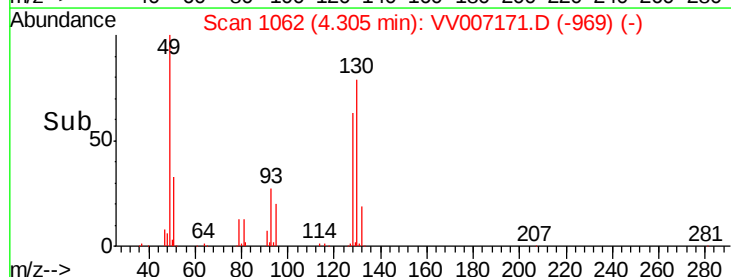
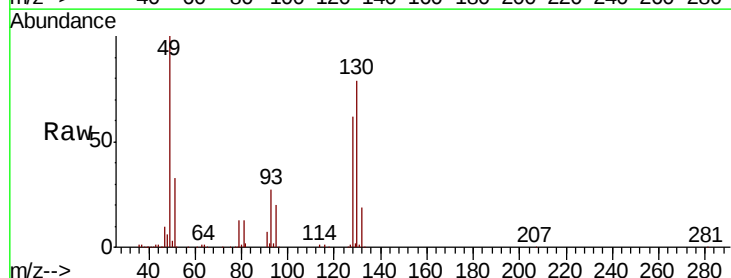
Ion Ratio Lower Upper

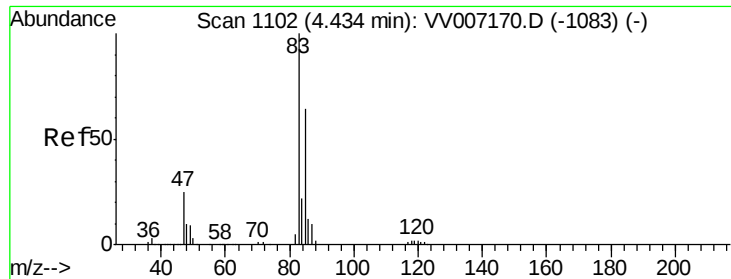
128 100

49 160.6 112.5 208.9

130 126.7 90.6 168.2

51 52.8 40.7 61.1

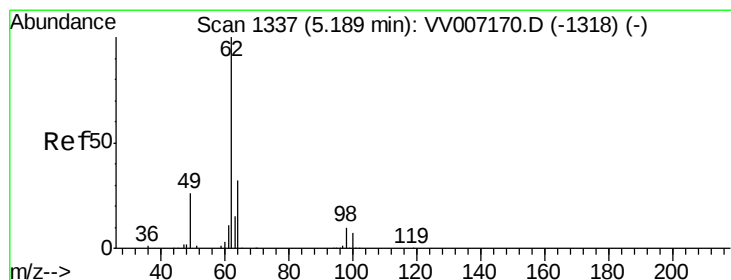
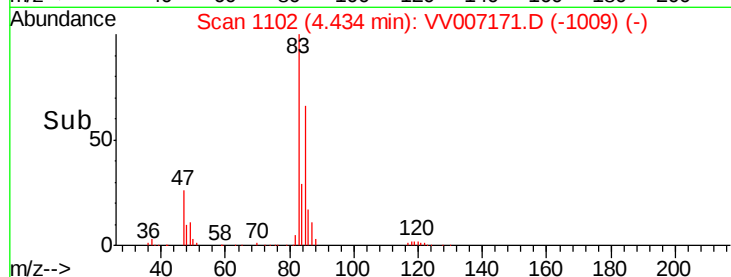
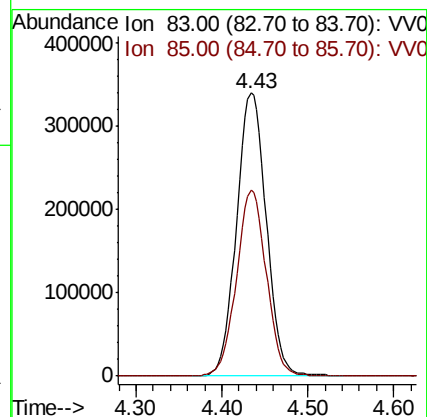
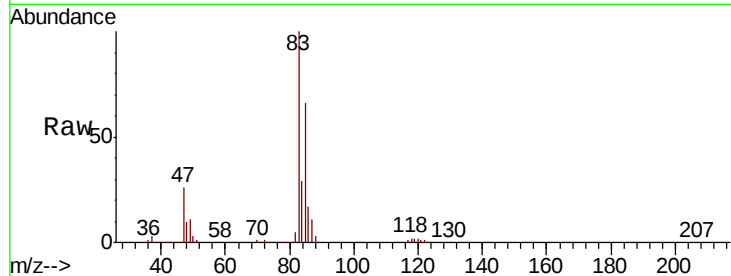




#25
Chloroform
Concen: 93.701 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

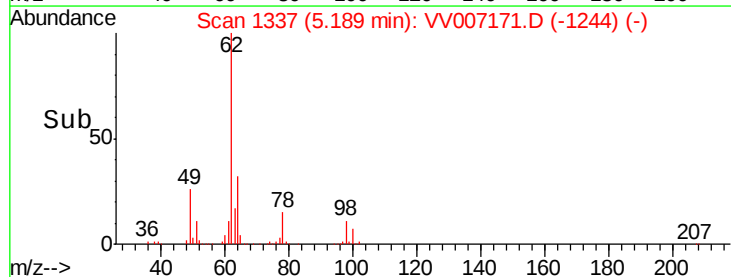
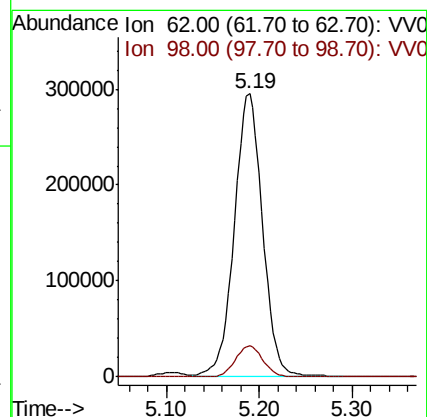
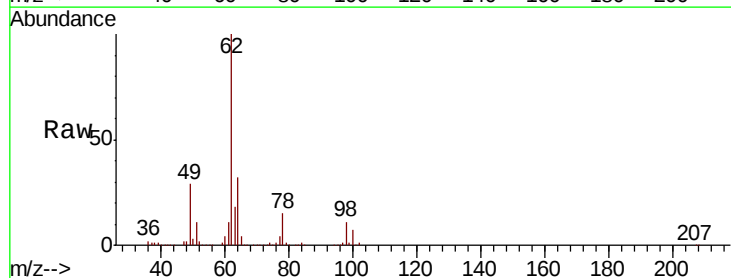
Instrument :
MSVOA_V
ClientSampleId :

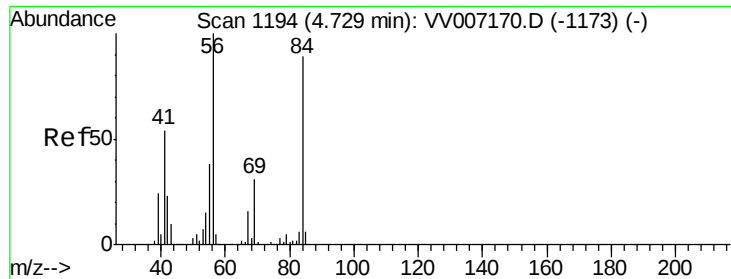
Tot Ion: 83 Resp: 818448
Ion Ratio Lower Upper
83 100
85 65.8 45.2 84.0



#27
1,2-Dichloroethane
Concen: 94.261 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

Tgt Ion: 62 Resp: 621999
Ion Ratio Lower Upper
62 100
98 10.9 8.3 12.5

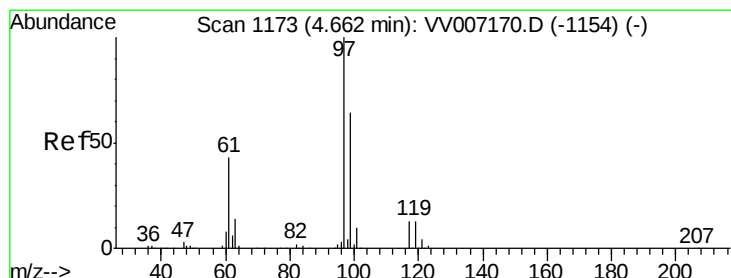
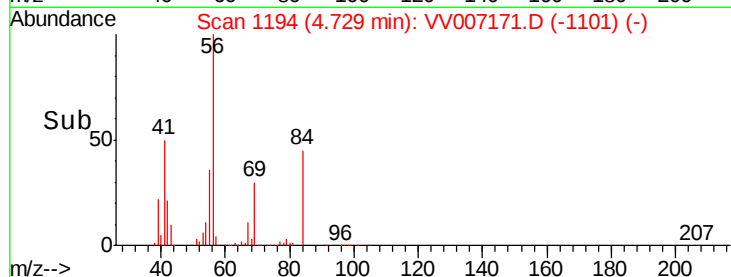
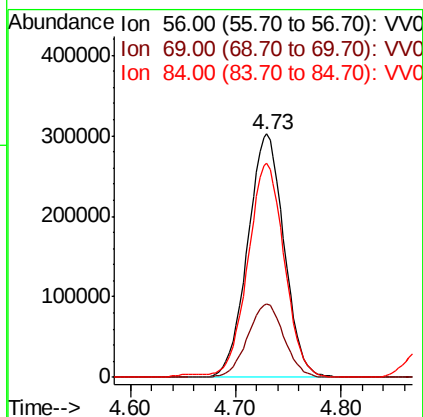
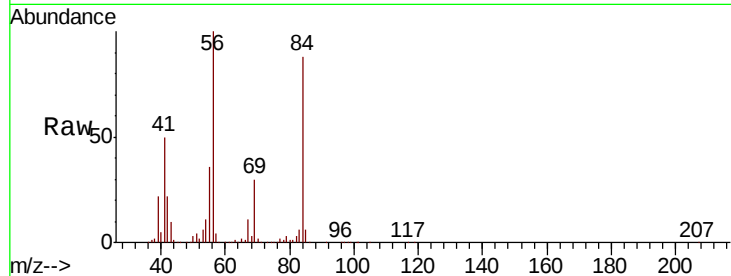




#29
Cvclohexane
Concen: 99.791 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

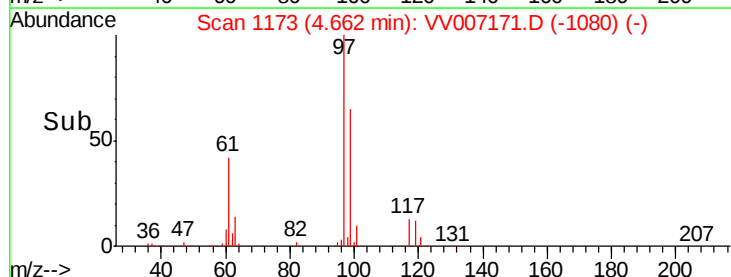
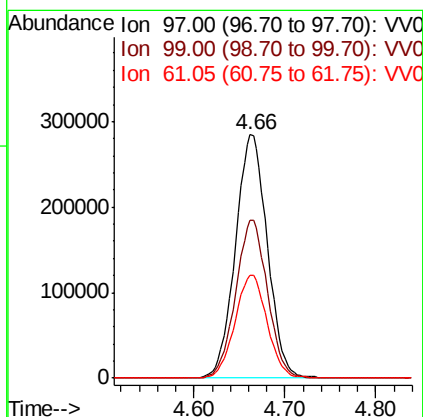
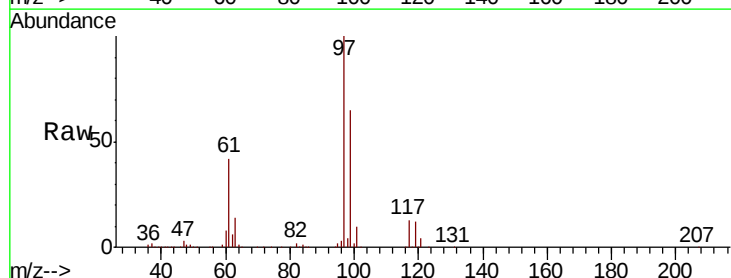
Instrument :
MSVOA_V
ClientSampleId :

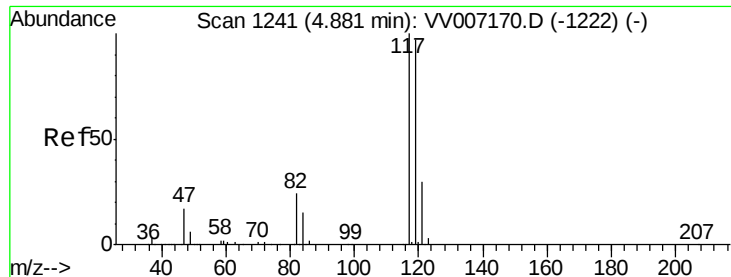
Tot Ion: 56 Resp: 725005
Ion Ratio Lower Upper
56 100
69 30.3 24.6 36.8
84 88.1 70.8 106.2



#30
1,1,1-Trichloroethane
Concen: 94.316 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

Tgt Ion: 97 Resp: 692580
Ion Ratio Lower Upper
97 100
99 64.6 51.6 77.4
61 42.7 34.3 51.5

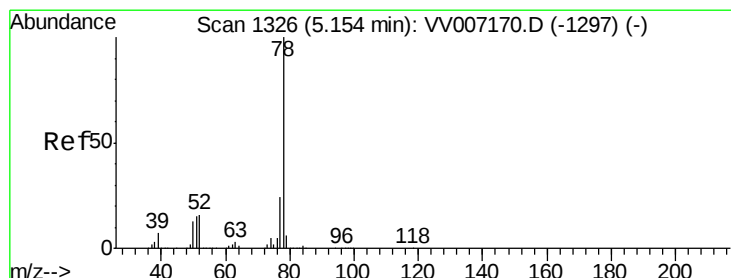
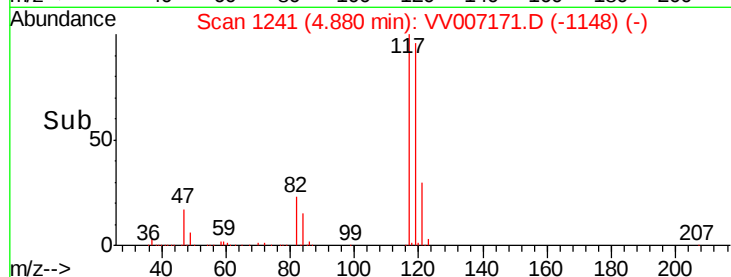
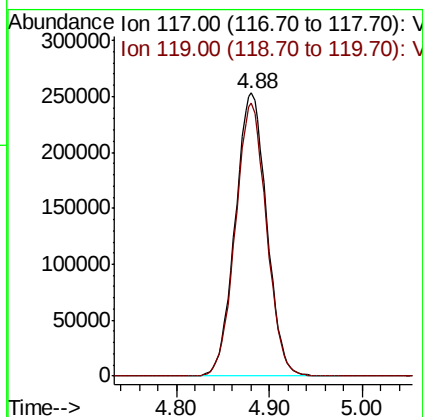
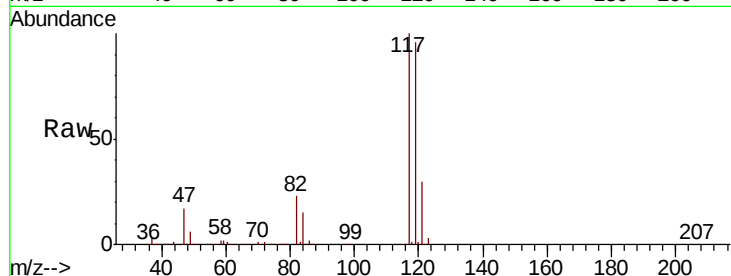




#31
Carbon tetrachloride
Concen: 96.351 ug/L
RT: 4.88 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

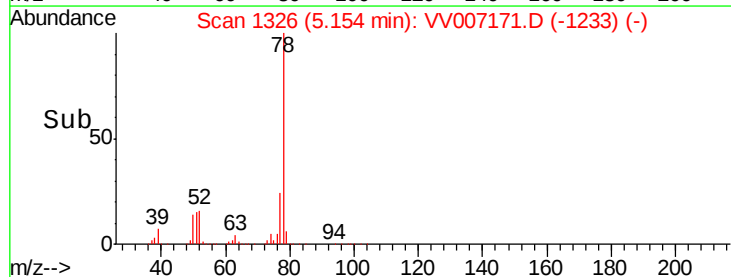
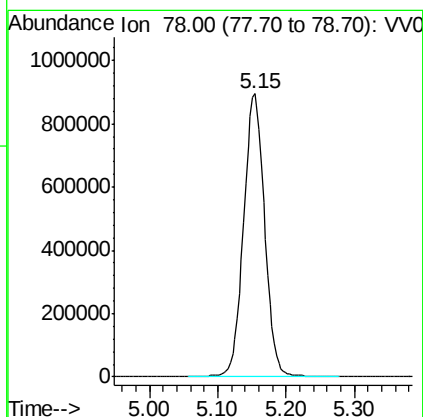
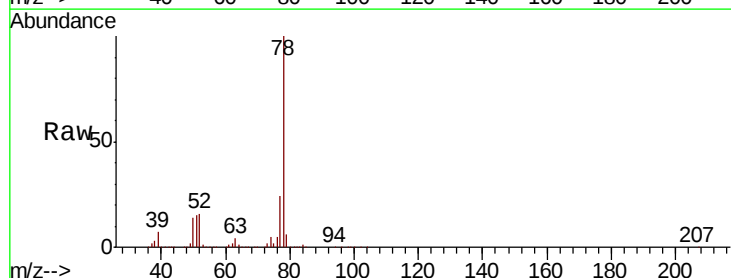
Instrument :
MSVOA_V
ClientSampled :

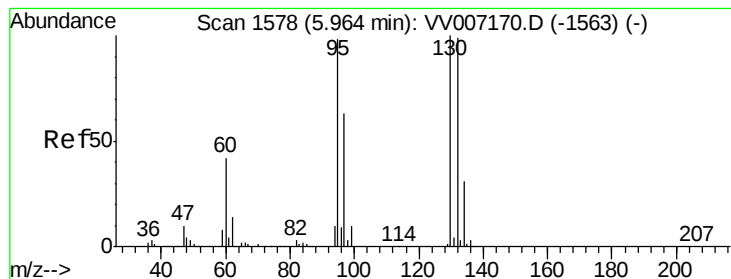
Tot Ion:117 Resp: 596484
Ion Ratio Lower Upper
117 100
119 95.0 76.9 115.3



#33
Benzene
Concen: 97.124 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

Tgt Ion: 78 Resp: 1918941





#34

Trichloroethene

Concen: 94.326 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 445236

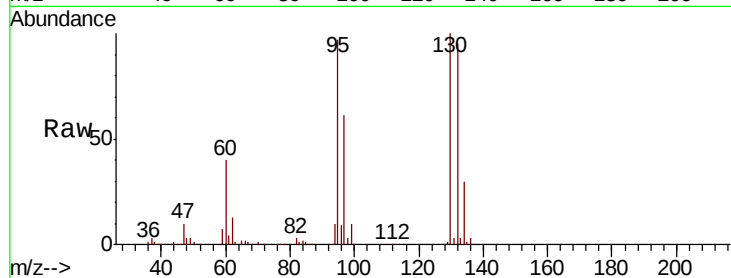
Ion Ratio Lower Upper

95 100

97 62.9 45.4 84.2

132 98.8 70.8 131.4

130 103.6 71.7 133.3

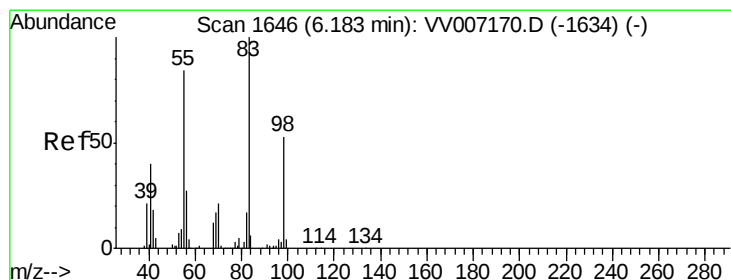
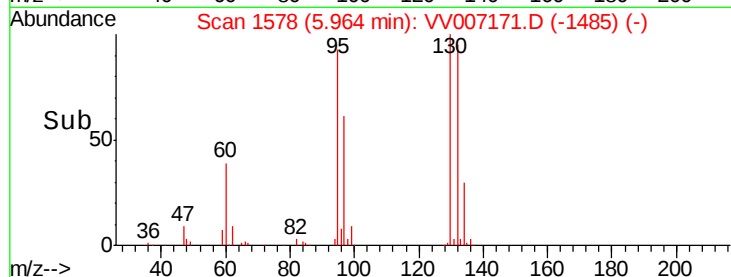
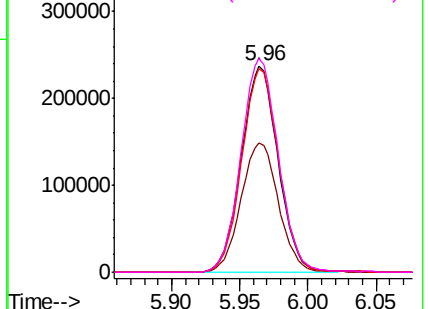


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 102.155 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

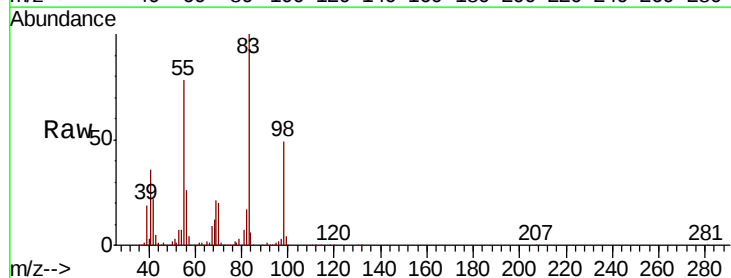
Tgt Ion: 83 Resp: 769999

Ion Ratio Lower Upper

83 100

55 77.4 62.2 93.2

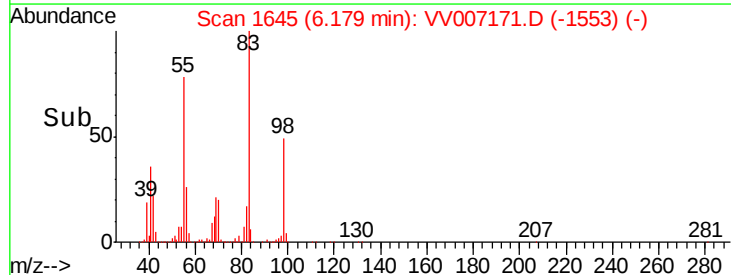
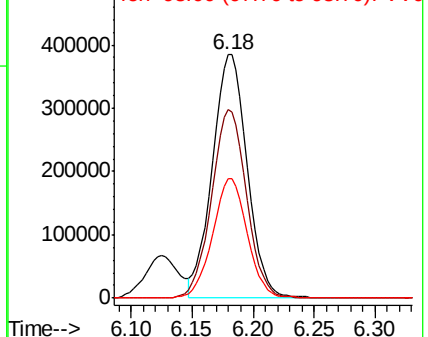
98 49.3 37.9 56.9

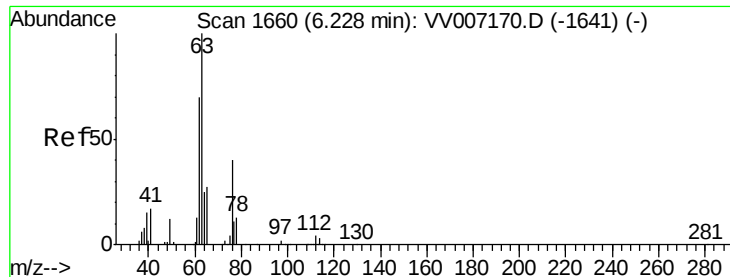


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 94.708 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

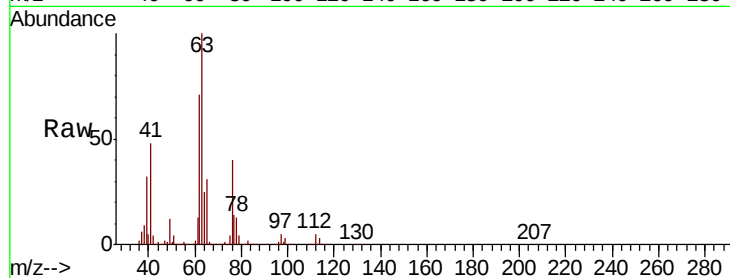
ClientSampleId :

Tot Ion: 63 Resp: 499384

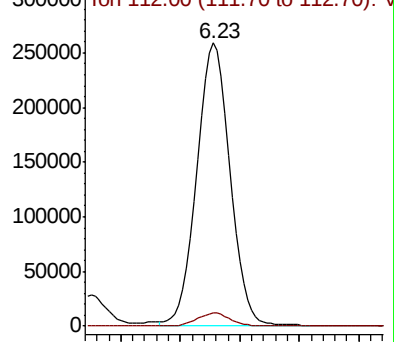
Ion Ratio Lower Upper

63 100

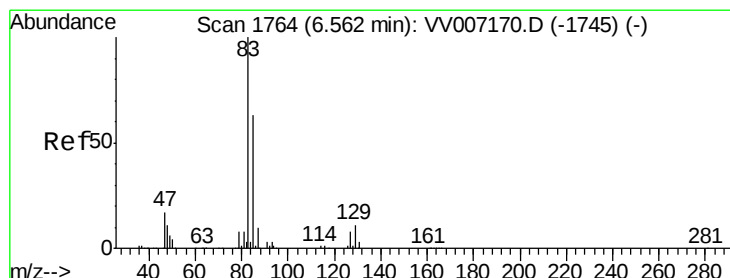
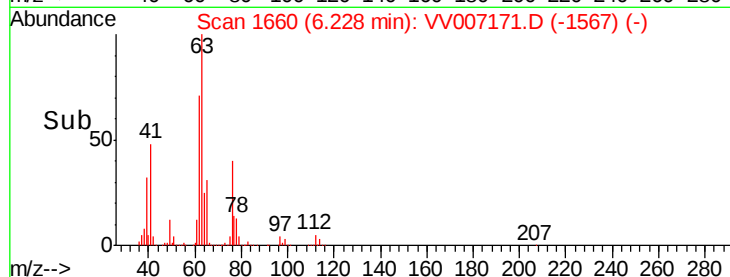
112 4.6 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VV007171.D (-1641) (-)



Time-->



#38

Bromodichloromethane

Concen: 95.423 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

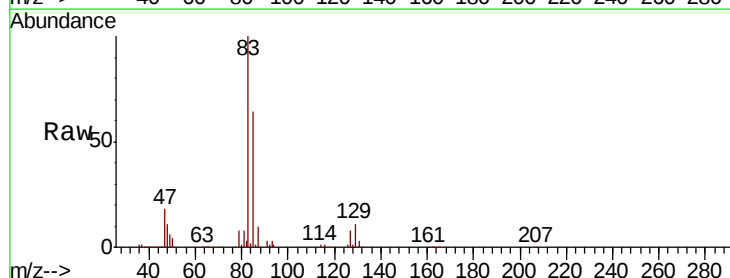
Tgt Ion: 83 Resp: 602189

Ion Ratio Lower Upper

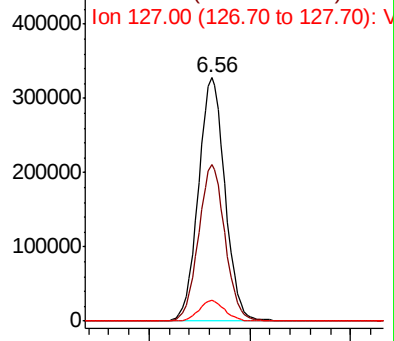
83 100

85 64.5 44.1 81.9

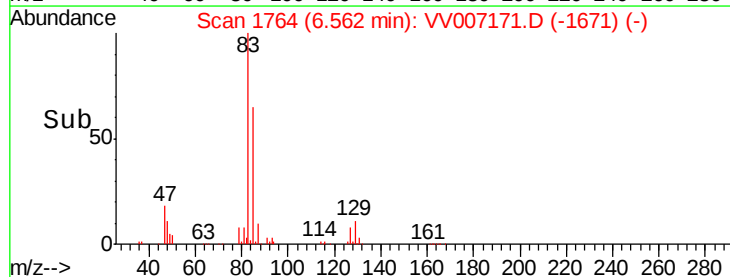
127 8.4 6.6 10.0

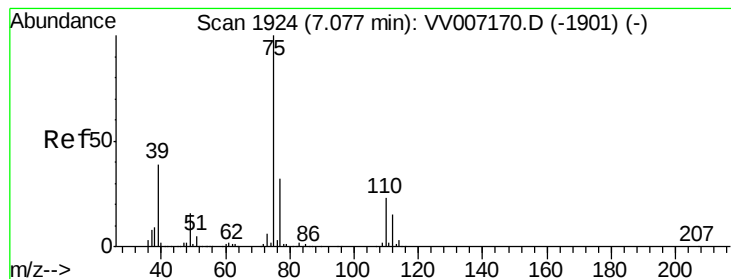


Abundance Ion 83.00 (82.70 to 83.70): VV007171.D (-1671) (-)



Time-->



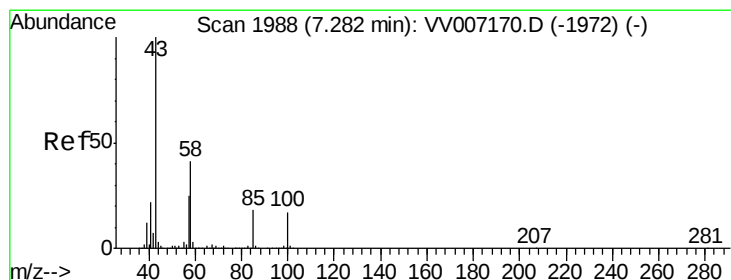
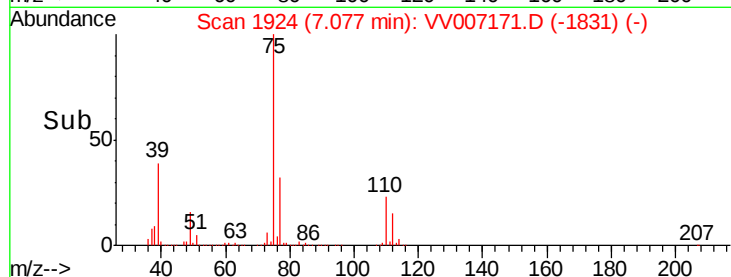
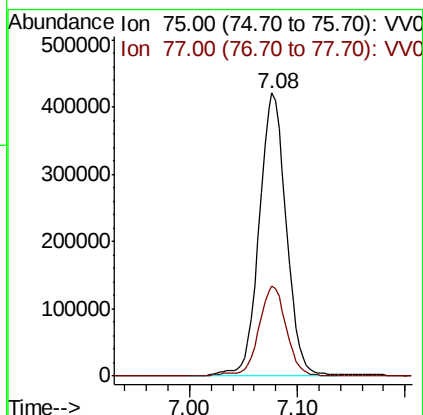
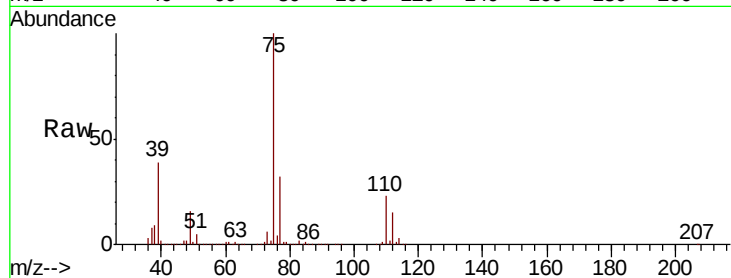


#39

cis-1,3-Dichloropropene
 Concen: 103.016 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

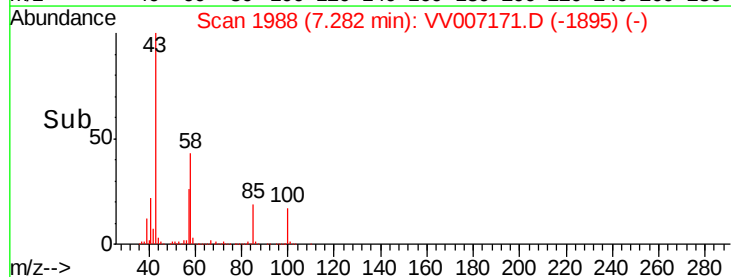
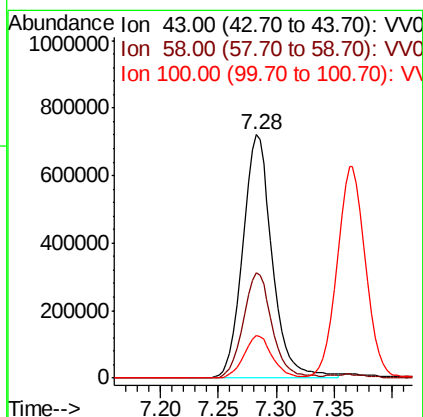
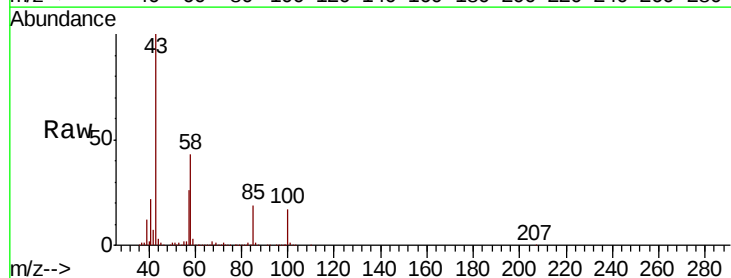
Tot Ion: 75 Resp: 735206
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2

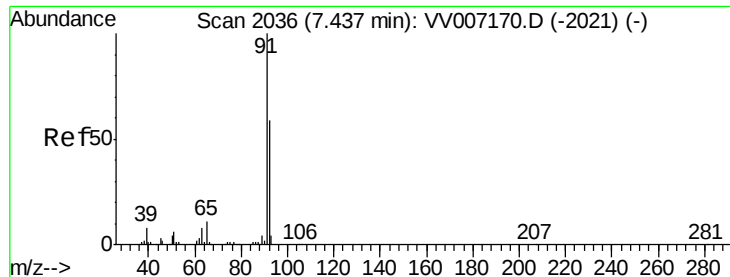


#40

4-Methyl-2-pentanone
 Concen: 199.718 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Tgt Ion: 43 Resp: 1274574
 Ion Ratio Lower Upper
 43 100
 58 42.3 31.5 47.3
 100 16.9 12.6 18.8





#42

Toluene

Concen: 101.566 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

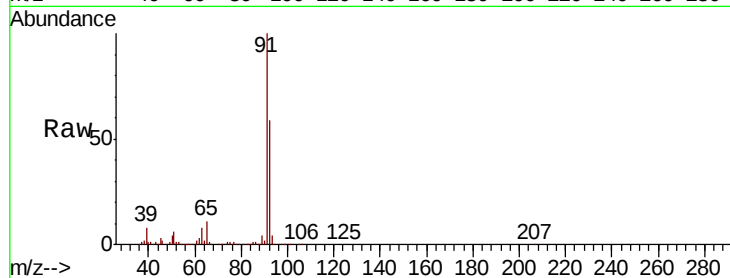
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1940138

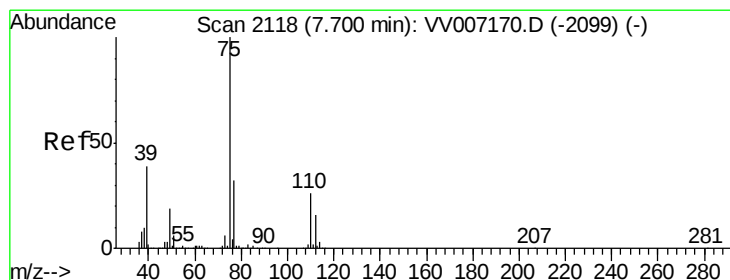
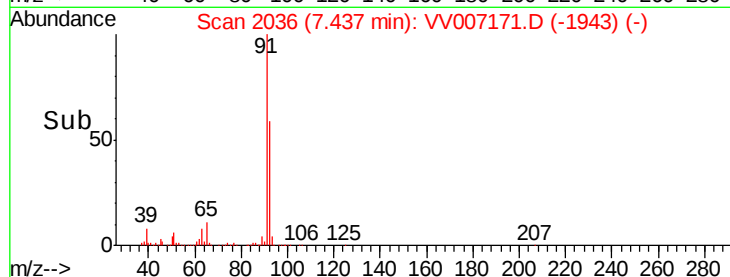
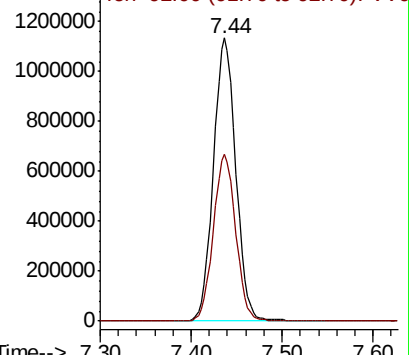
Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VV007171.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 103.524 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007171.D

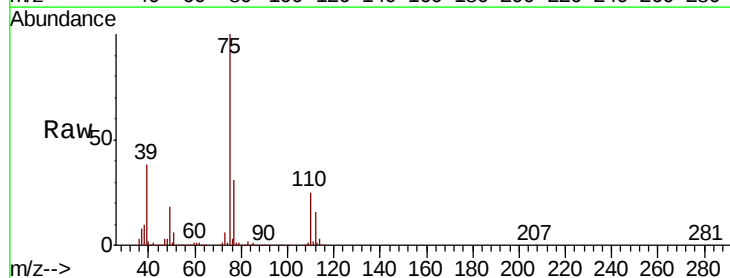
Acq: 24 Aug 2018 15:17

Tgt Ion: 75 Resp: 686361

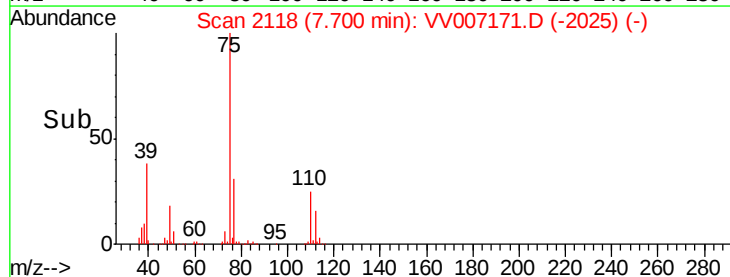
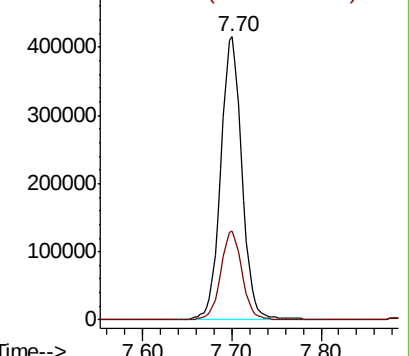
Ion Ratio Lower Upper

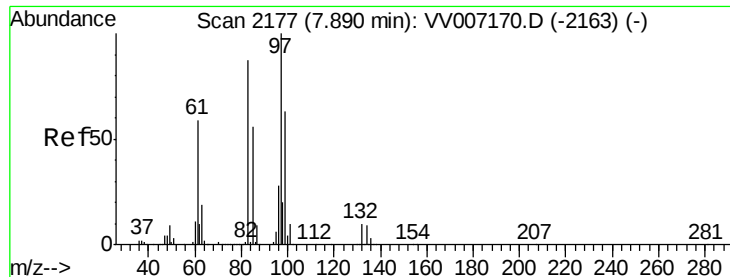
75 100

77 31.5 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV007171.D (-2025) (-)

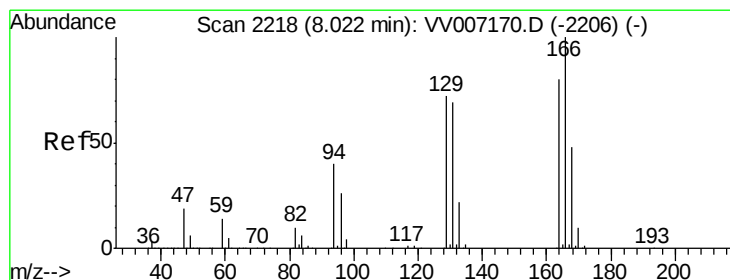
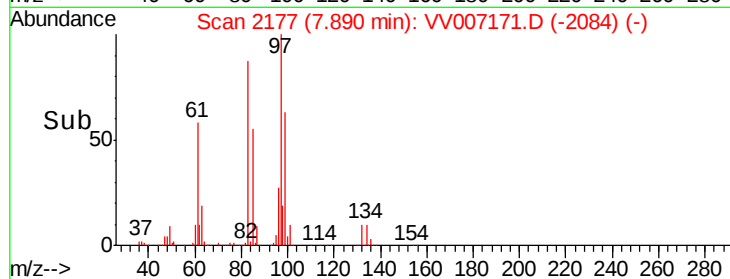
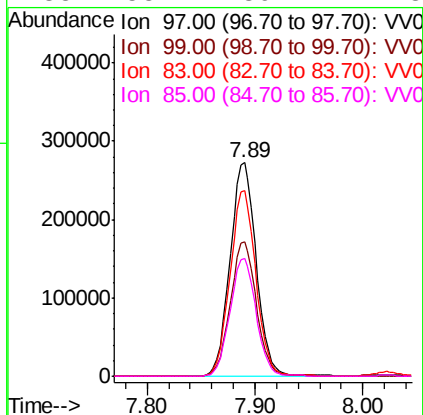
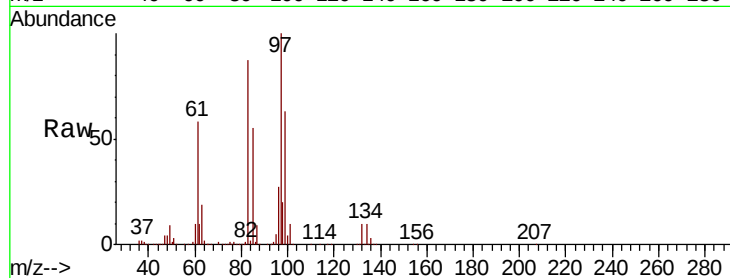




#45
 1,1,2-Trichloroethane
 Concen: 94.156 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

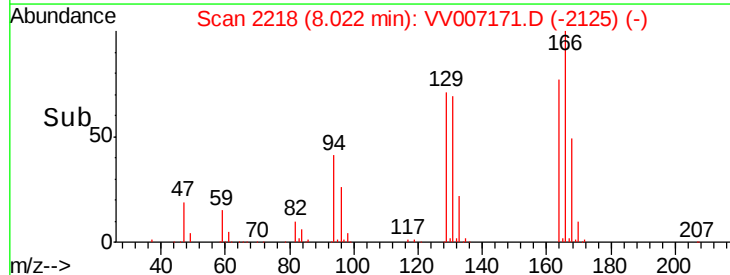
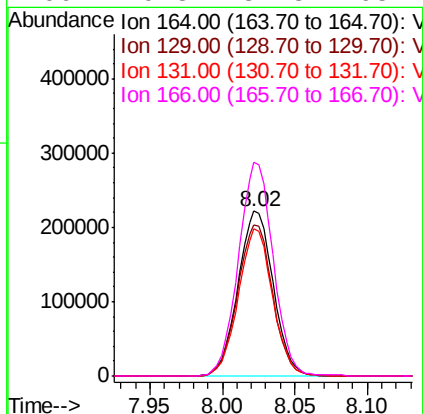
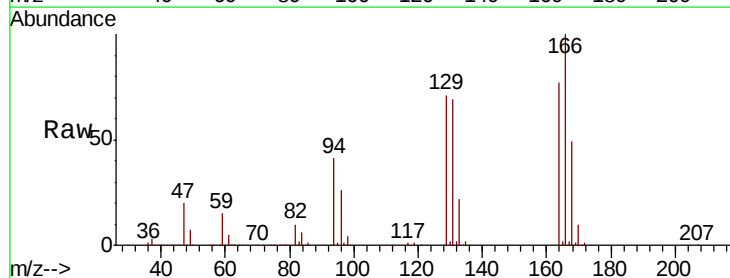
Instrument :
 MSVOA_V
 ClientSampleId :

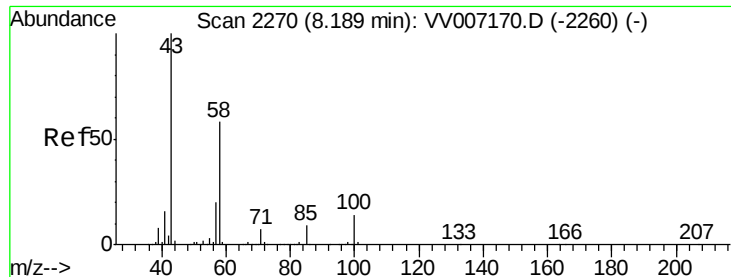
Tot Ion:	97	Resp:	462999
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.8	81.4
83	86.9	61.0	113.4
85	55.1	39.2	72.8



#46
 Tetrachloroethene
 Concen: 97.430 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Tgt Ion:	164	Resp:	374325
Ion	Ratio	Lower	Upper
164	100		
129	92.2	63.3	117.7
131	89.2	60.6	112.6
166	129.8	87.8	163.2

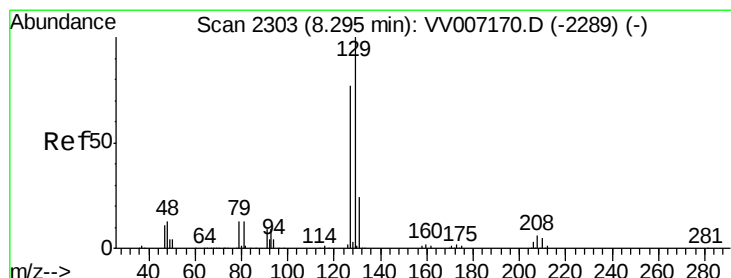
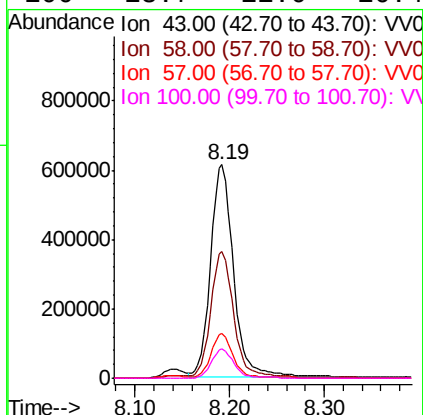
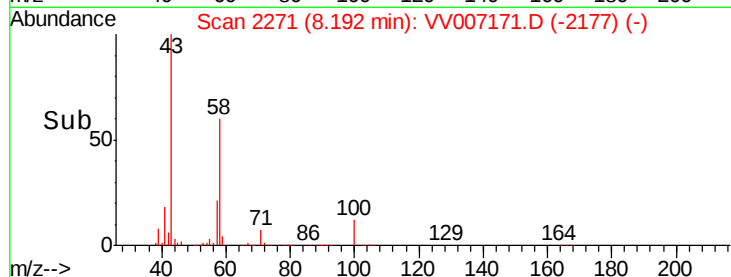
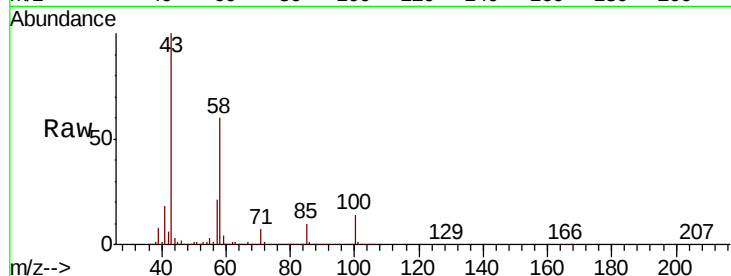




#48
2-Hexanone
Concen: 204.018 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

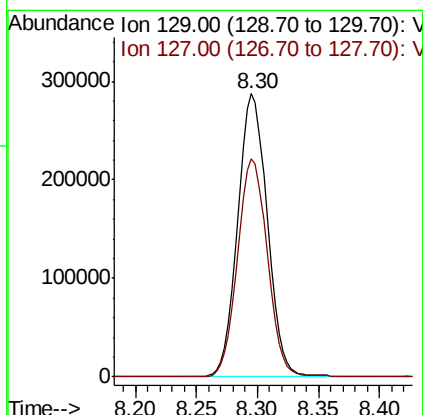
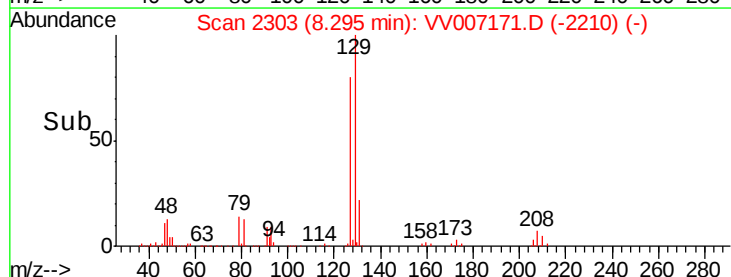
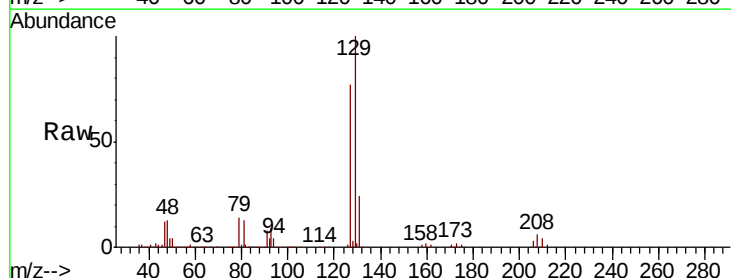
Instrument :
MSVOA_V
ClientSampleId :

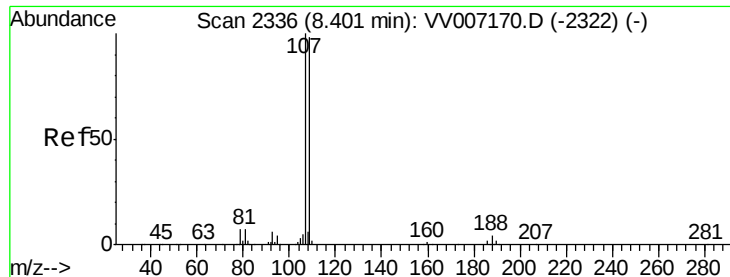
Tot Ion: 43 Resp: 1032745
Ion Ratio Lower Upper
43 100
58 60.4 47.3 70.9
57 20.1 16.5 24.7
100 13.7 11.0 16.4



#49
Dibromochloromethane
Concen: 97.378 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007171.D
Acq: 24 Aug 2018 15:17

Tgt Ion: 129 Resp: 481682
Ion Ratio Lower Upper
129 100
127 77.1 54.0 100.2

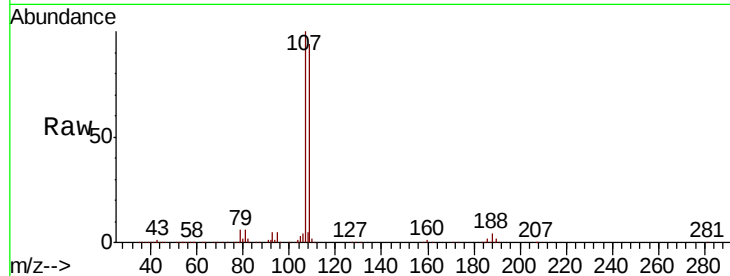




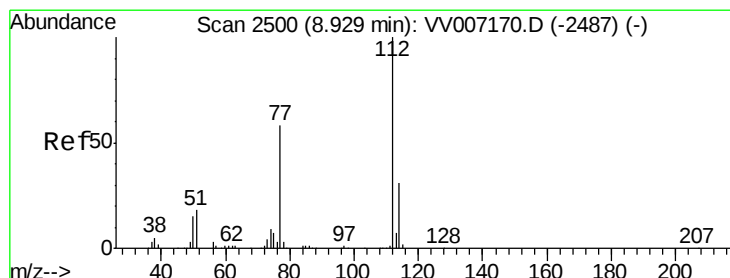
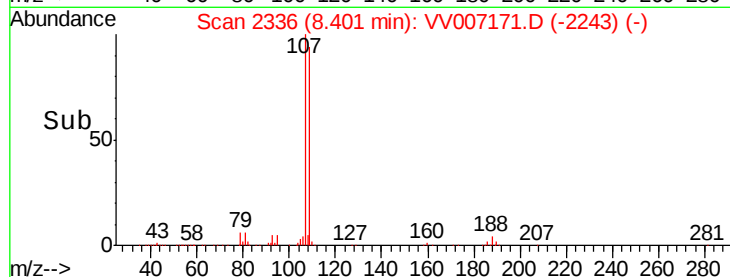
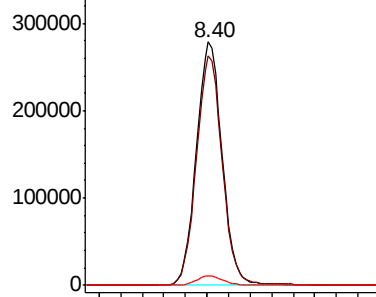
#50
 1,2-Dibromoethane
 Concen: 95.680 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	68.3	126.8
188	3.9	3.3	4.9

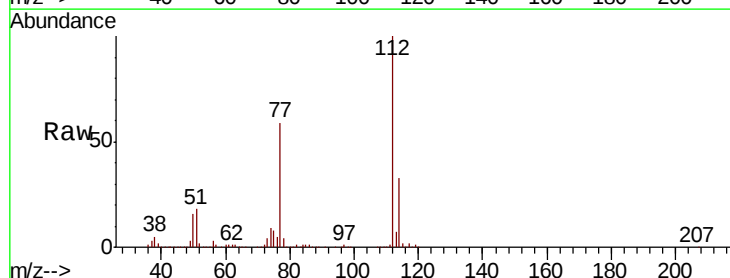


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

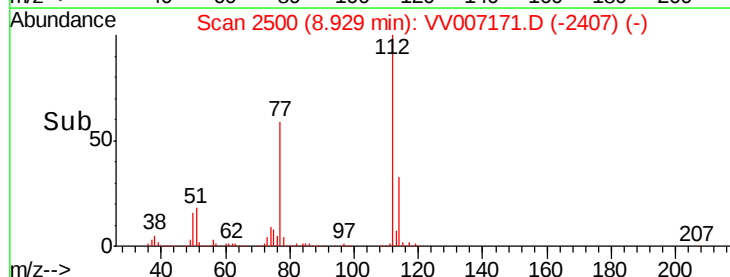
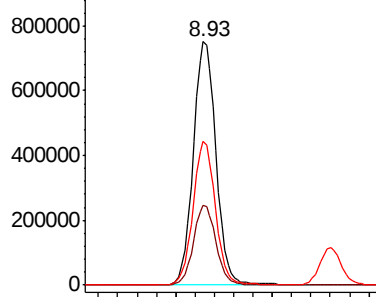


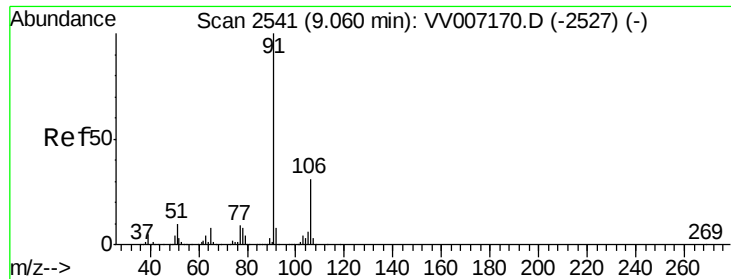
#51
 Chlorobenzene
 Concen: 96.868 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.0	40.8
77	59.1	46.4	69.6



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





#52

Ethylbenzene

Concen: 106.056 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

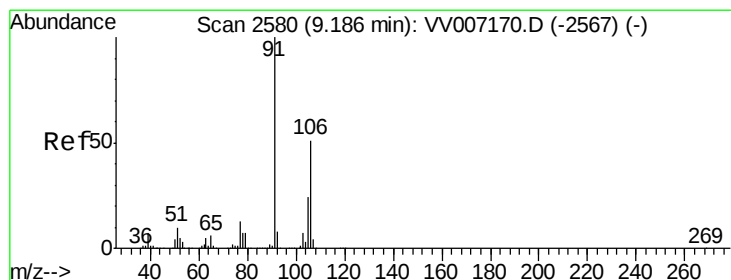
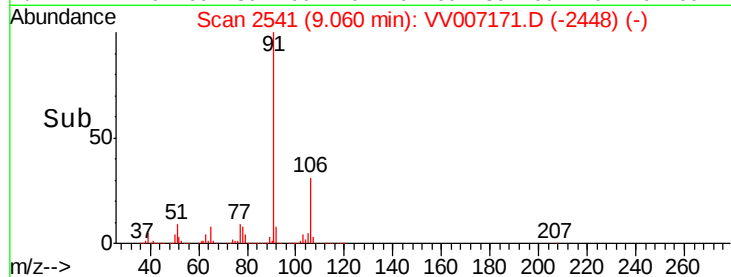
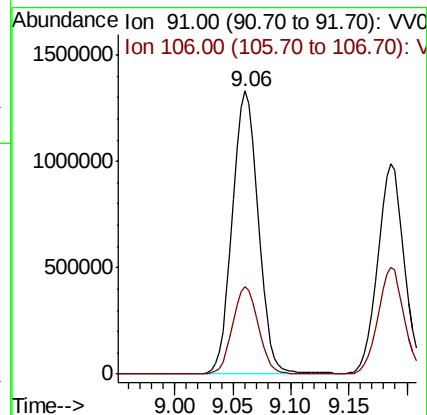
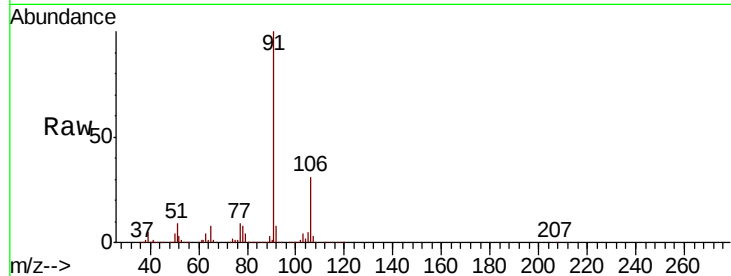
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2059819

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 107.278 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007171.D

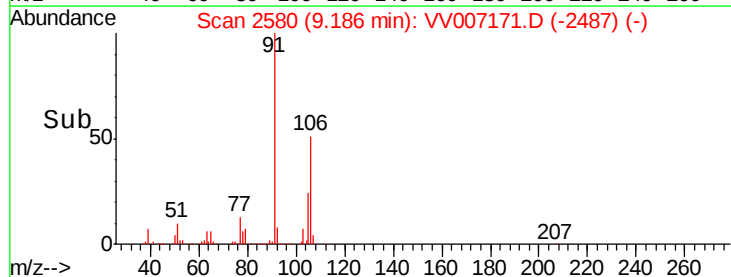
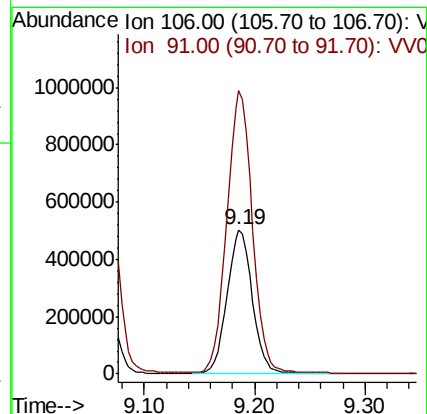
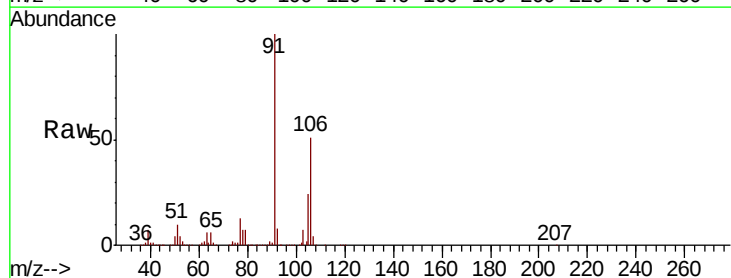
Acq: 24 Aug 2018 15:17

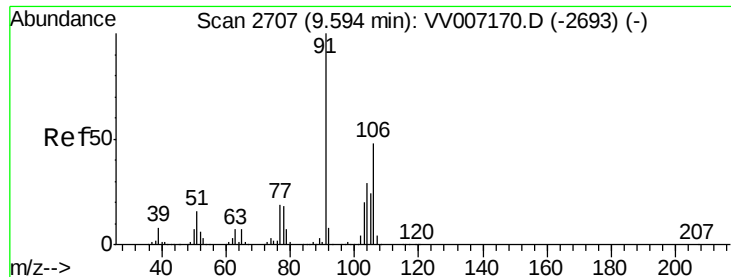
Tgt Ion: 106 Resp: 797127

Ion Ratio Lower Upper

106 100

91 196.1 138.9 258.1





#54

o-xylene

Concen: 106.944 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

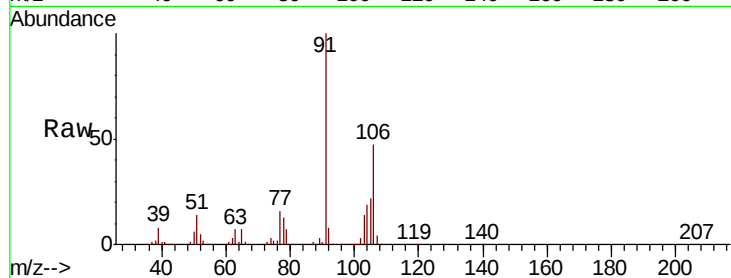
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 768818

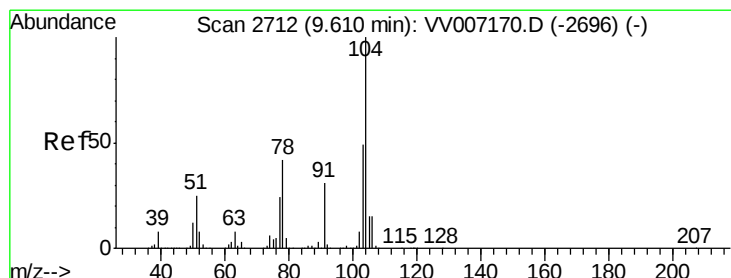
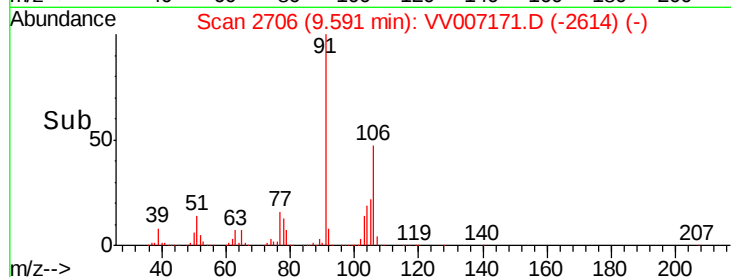
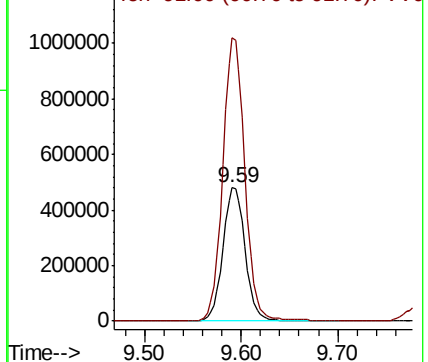
Ion Ratio Lower Upper

106 100

91 212.8 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 109.943 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007171.D

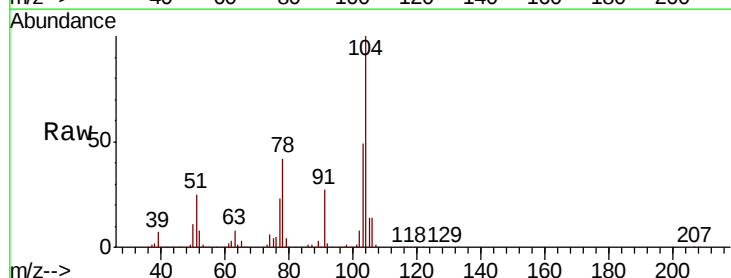
Acq: 24 Aug 2018 15:17

Tgt Ion:104 Resp: 1362861

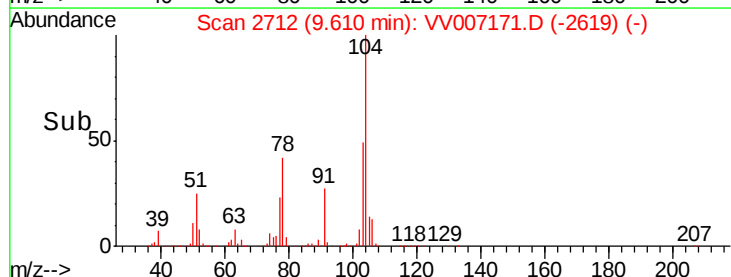
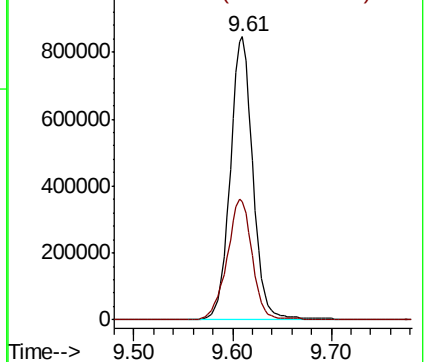
Ion Ratio Lower Upper

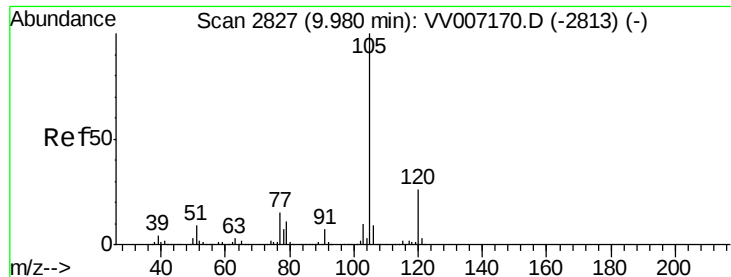
104 100

78 41.6 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 108.609 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :
MSVOA_V
ClientSampleId :

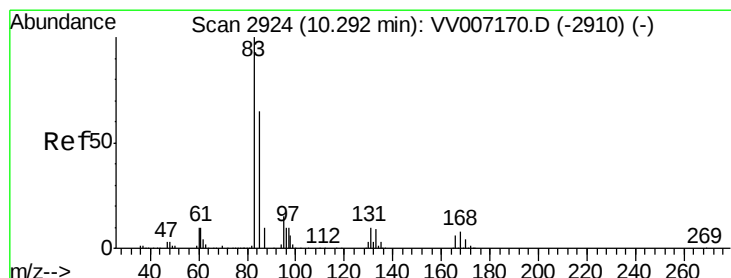
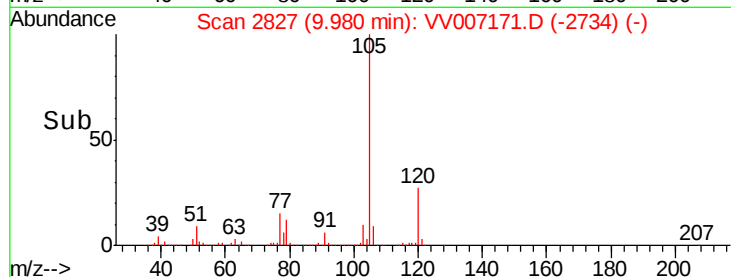
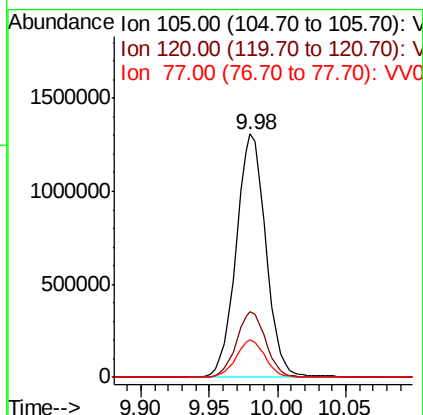
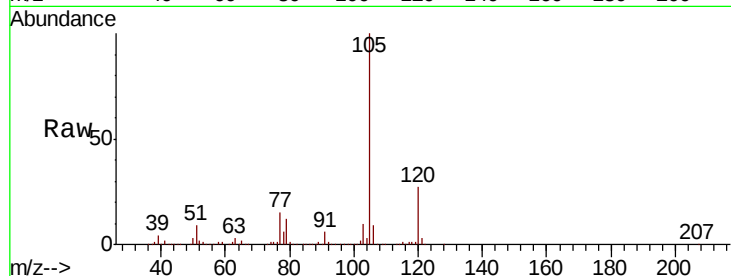
Tot Ion:105 Resp: 1973908

Ion Ratio Lower Upper

105 100

120 26.9 21.2 31.8

77 15.3 11.8 17.6



#58

1,1,2,2-Tetrachloroethane

Concen: 91.167 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

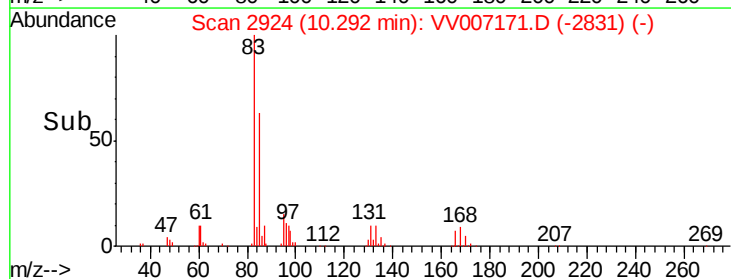
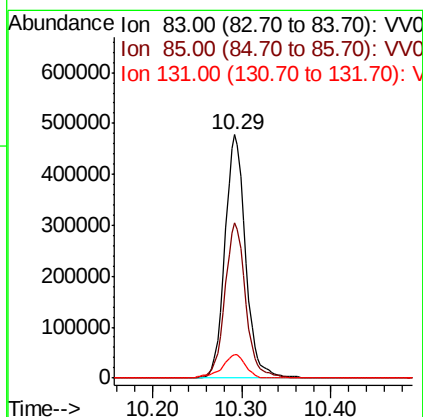
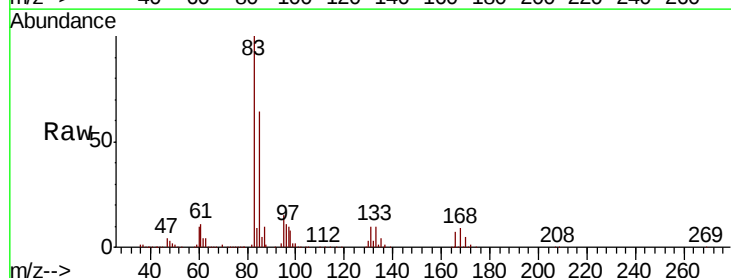
Tgt Ion: 83 Resp: 765766

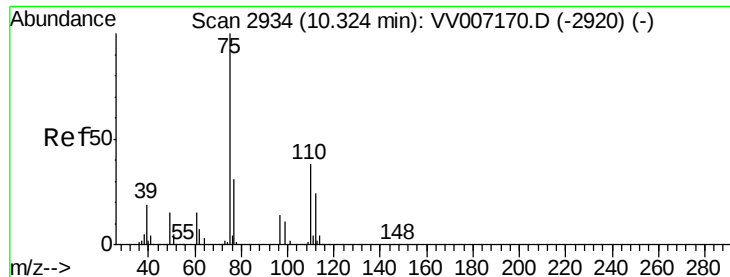
Ion Ratio Lower Upper

83 100

85 63.5 45.4 84.2

131 9.8 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 90.319 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

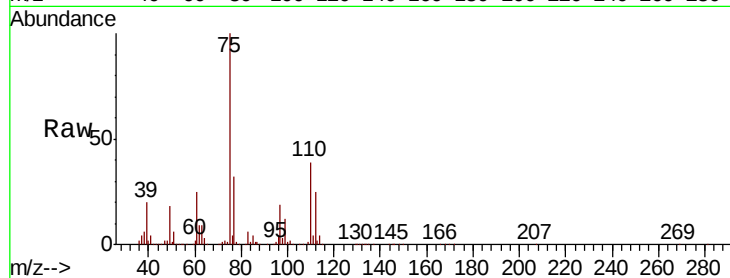
ClientSampleId :

Tot Ion: 75 Resp: 609677

Ion Ratio Lower Upper

75 100

77 32.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VV007171.D (-2312) (-)

Ion 77.00 (76.70 to 77.70): VV007171.D (-2312) (-)

10.32

400000

300000

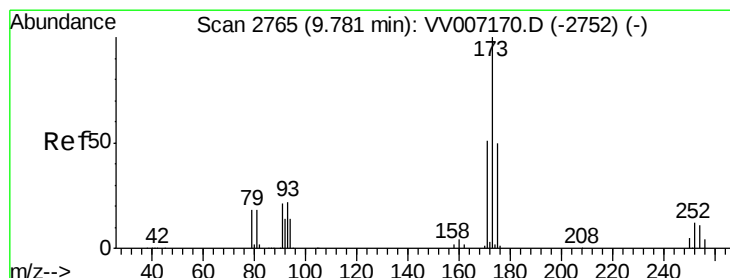
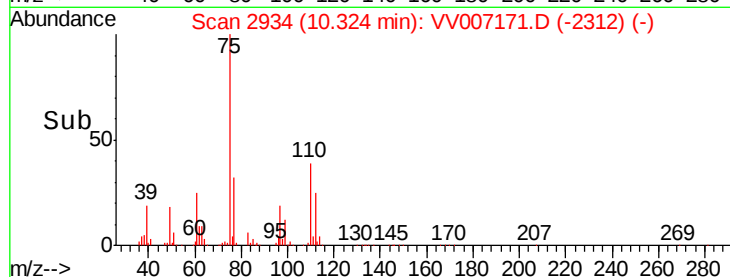
200000

100000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 87.901 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

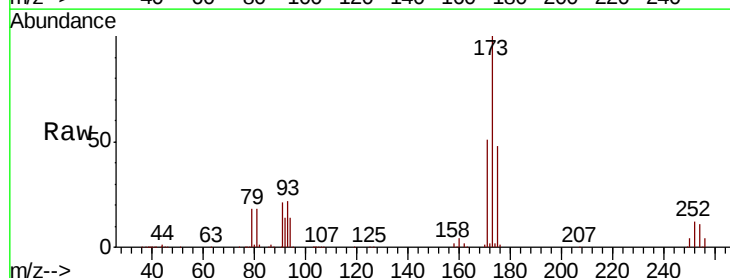
Tgt Ion: 173 Resp: 353143

Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

254 11.3 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): VV007171.D (-2672) (-)

Ion 175.00 (174.70 to 175.70): VV007171.D (-2672) (-)

Ion 254.00 (253.70 to 254.70): VV007171.D (-2672) (-)

9.78

300000

250000

200000

150000

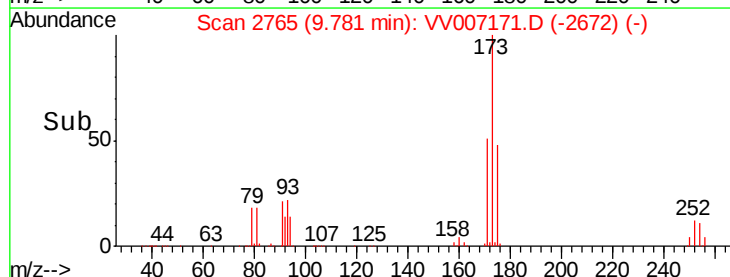
100000

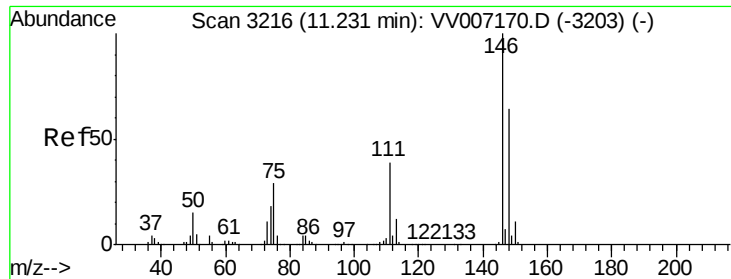
50000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 95.311 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007171.D

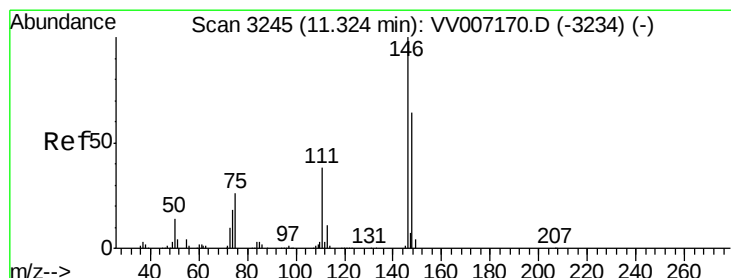
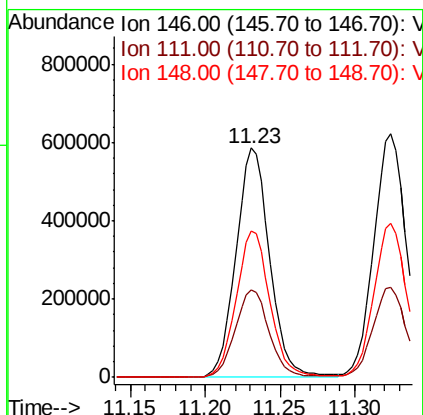
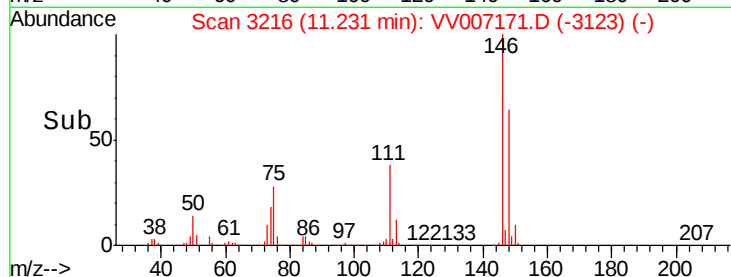
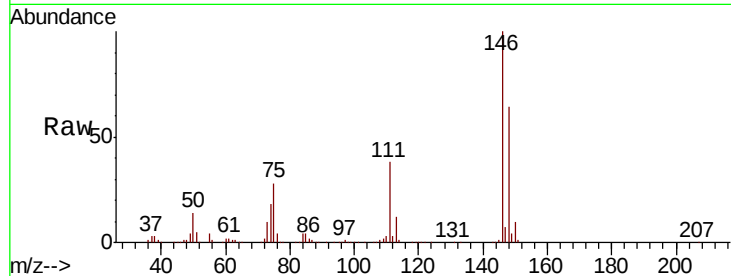
Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	916716
Ion	Ratio	Lower Upper
146	100	
111	38.4	27.1 50.3
148	64.1	44.8 83.2



#63

1,4-Dichlorobenzene

Concen: 95.256 ug/L

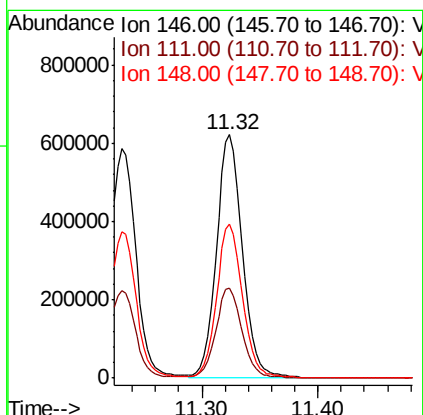
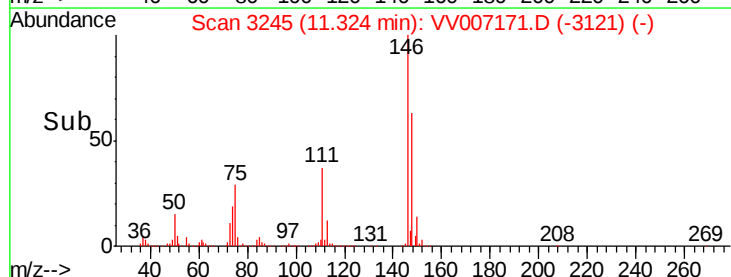
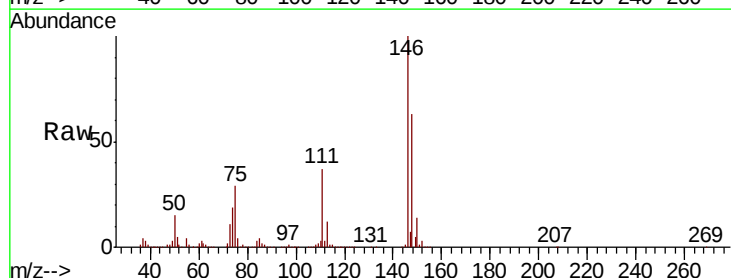
RT: 11.32 min Scan# 3245

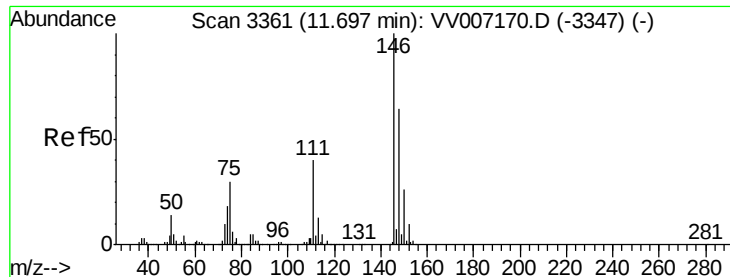
Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Tgt Ion:146	Resp:	971367
Ion	Ratio	Lower Upper
146	100	
111	36.9	26.7 49.5
148	63.3	44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 93.453 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

ClientSampleId :

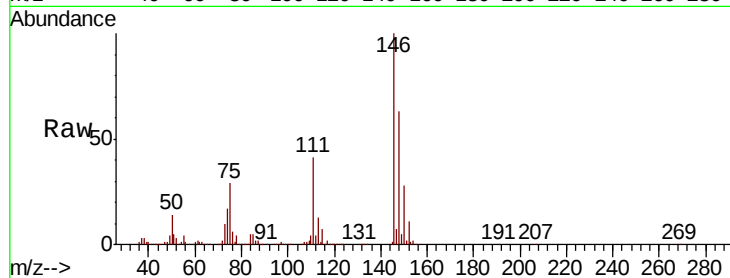
Tot Ion:146 Resp: 981784

Ion Ratio Lower Upper

146 100

111 41.1 32.2 48.2

148 63.5 51.0 76.6

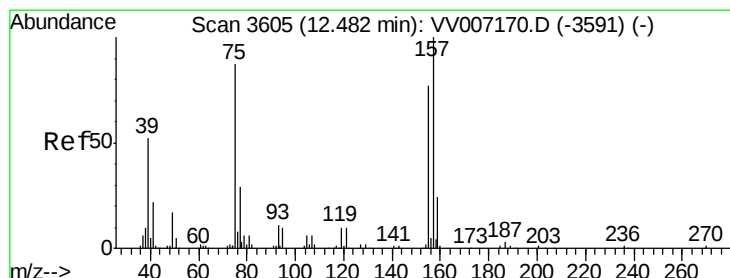
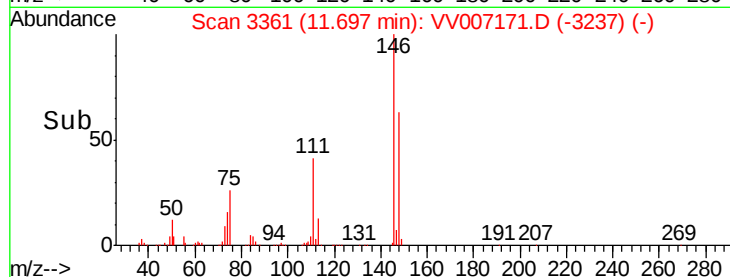
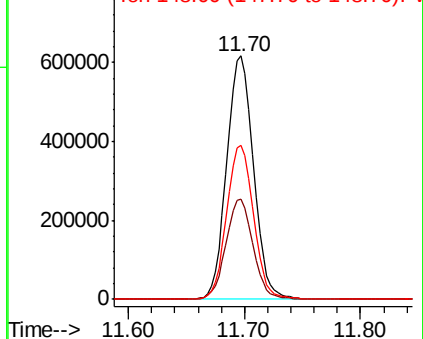


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 96.404 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

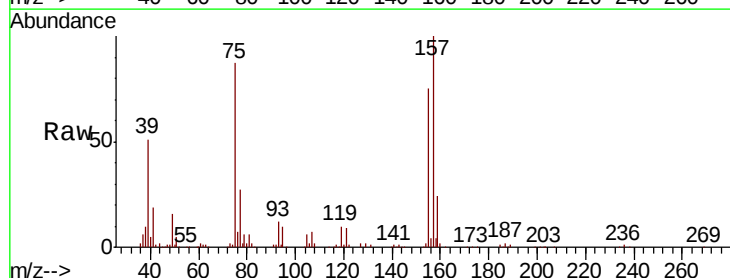
Tgt Ion: 75 Resp: 142725

Ion Ratio Lower Upper

75 100

155 86.0 70.6 106.0

157 114.6 91.8 137.8

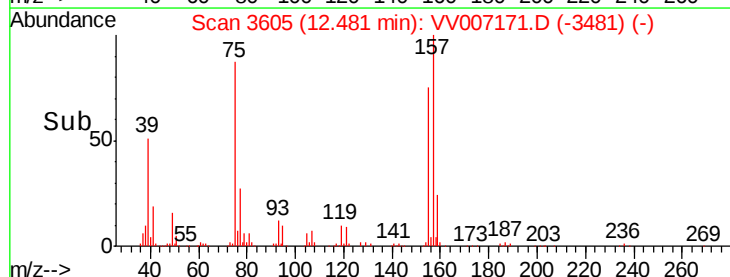
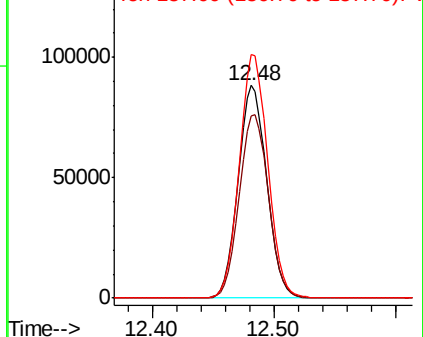


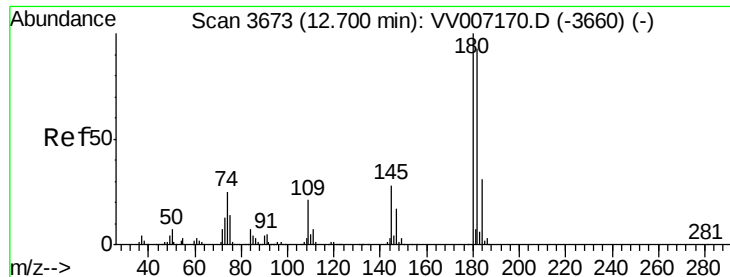
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

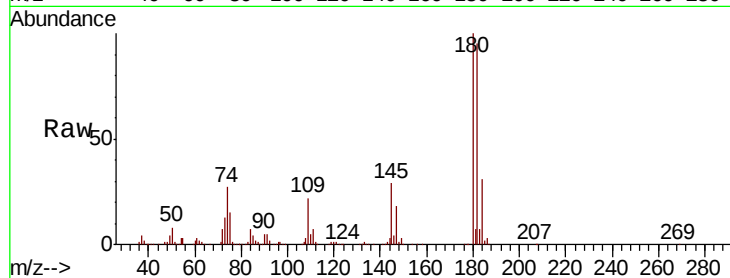




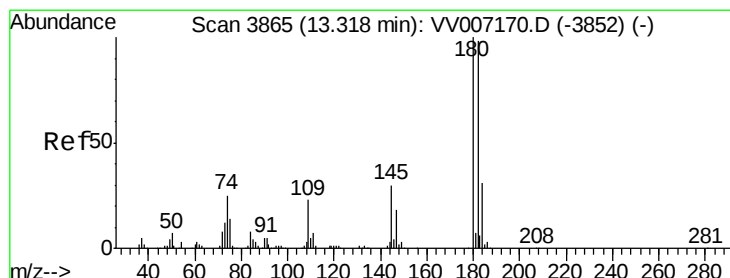
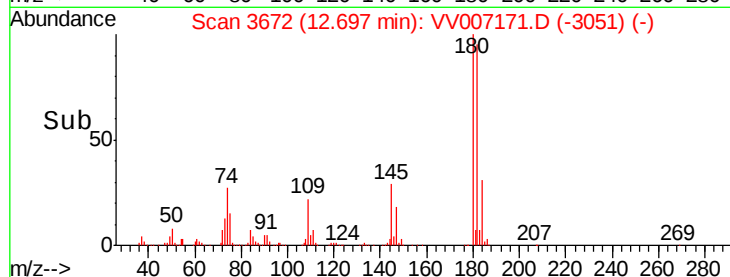
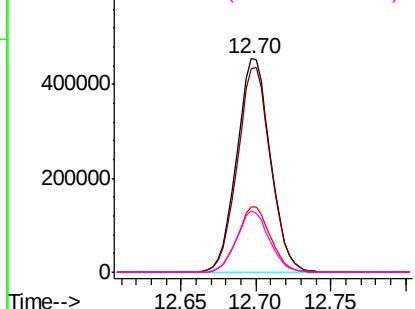
#67
 1,3,5-Trichlorobenzene
 Concen: 106.903 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	710631
Ion	Ratio	Lower Upper
180	100	
182	95.0	75.8 113.8
184	30.2	24.4 36.6
145	28.0	22.6 33.8

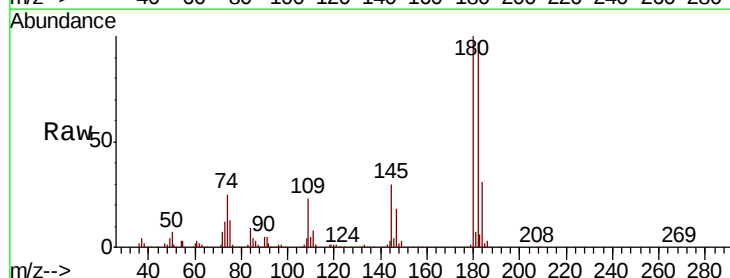


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

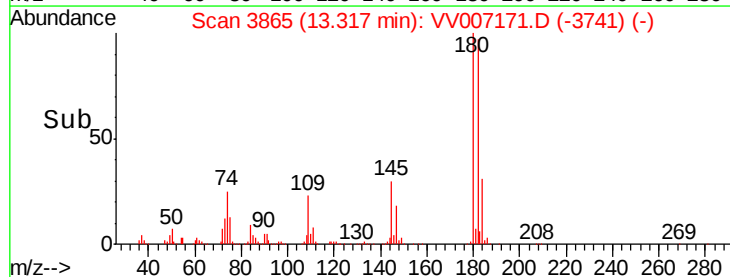
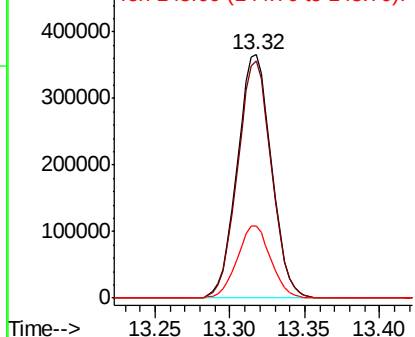


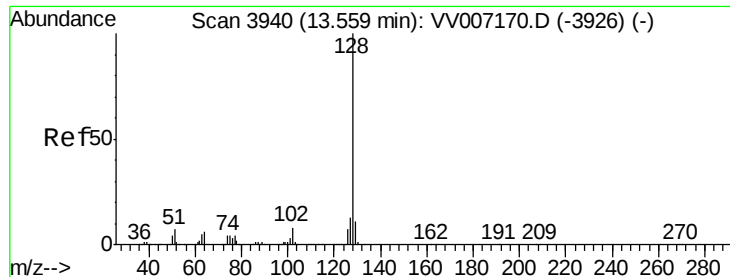
#68
 1,2,4-trichlorobenzene
 Concen: 127.789 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007171.D
 Acq: 24 Aug 2018 15:17

Tgt Ion:180	Resp:	580586
Ion	Ratio	Lower Upper
180	100	
182	96.5	77.6 116.4
145	29.2	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: 137.750 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

Instrument :

MSVOA_V

ClientSampled :

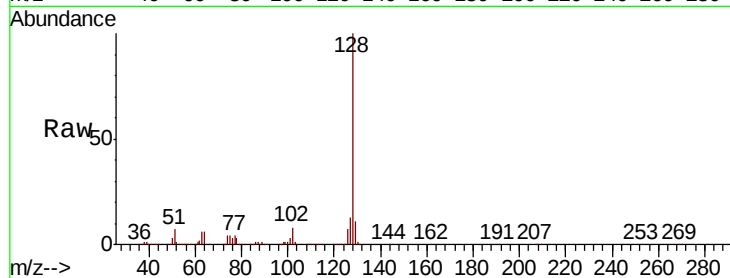
Tot Ion:128 Resp: 1692942

Ion Ratio Lower Upper

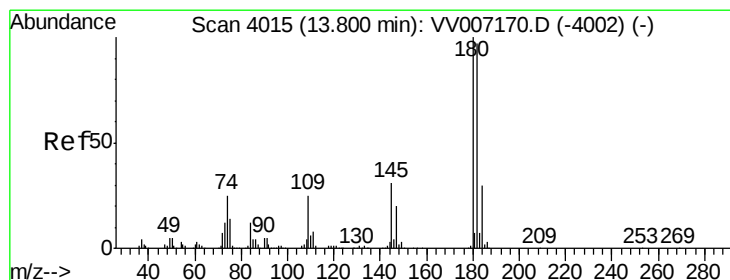
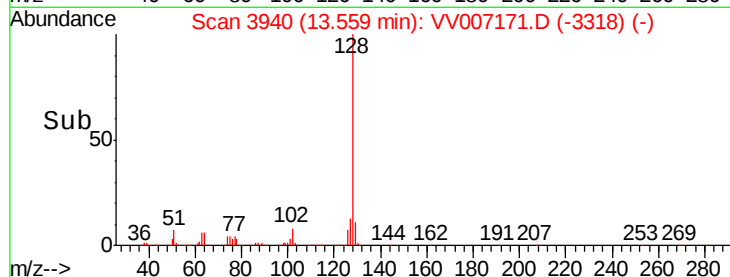
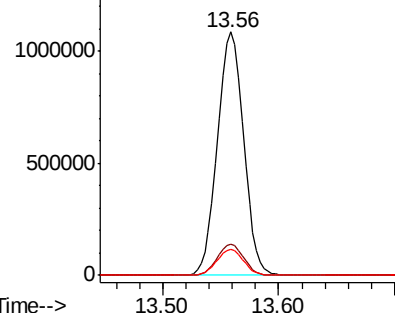
128 100

127 12.8 10.3 15.5

129 10.8 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: 128.741 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007171.D

Acq: 24 Aug 2018 15:17

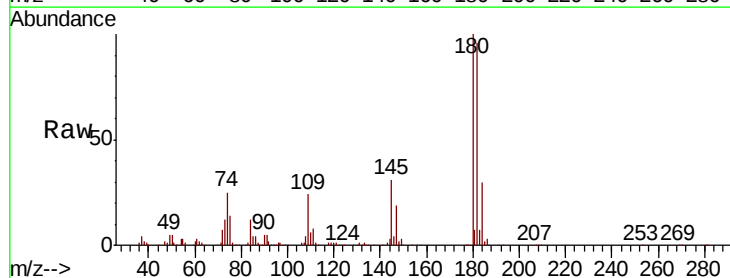
Tgt Ion:180 Resp: 634917

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.4

145 30.5 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

