

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006964.D
 Acq On : 09 Aug 2018 21:47
 Operator : SY/MD
 Sample : J4399-02
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 02:36:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 02:34:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	237550	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	227878	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	96661	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71036	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	65402	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.13	63	94028	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	3.97	46	230262	52.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	4.41	84	152671	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.09	65	80212	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	285219	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	102319	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.37	98	214294	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.67	79	30678	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.15	63	122096	42.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	75344	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	86368	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5679	0.247	ug/L #	70
13) Acetone	2.21	43	44204	19.468	ug/L	99
19) 1,1-Dichloroethane	3.23	63	23968	0.727	ug/L	98
21) 2-Butanone	4.06	43	9932	2.015	ug/L	76
22) cis-1,2-Dichloroethene	3.97	96	14679	0.708	ug/L	86
27) 1,2-Dichloroethane	5.19	62	9787	0.435	ug/L	98
33) Benzene	5.15	78	109325	1.385	ug/L	100
34) Trichloroethene	5.96	95	3807	0.201	ug/L #	84
35) Methylcyclohexane	6.12	83	24479	0.805	ug/L #	16
37) 1,2-Dichloropropane	6.13	63	10321	0.478	ug/L #	90
48) 2-Hexanone	8.20	43	6324	0.768	ug/L #	67
51) Chlorobenzene	8.93	112	92943	1.922	ug/L	99
52) Ethylbenzene	9.06	91	56294	0.743	ug/L	99
53) m,p-xylene	9.19	106	33762	1.196	ug/L	100
54) o-xylene	9.59	106	13196	0.493	ug/L	94
63) 1,4-Dichlorobenzene	11.33	146	6618	0.206	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	62599	2.035	ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 10 02:34:57 2018
Response via : Initial Calibration

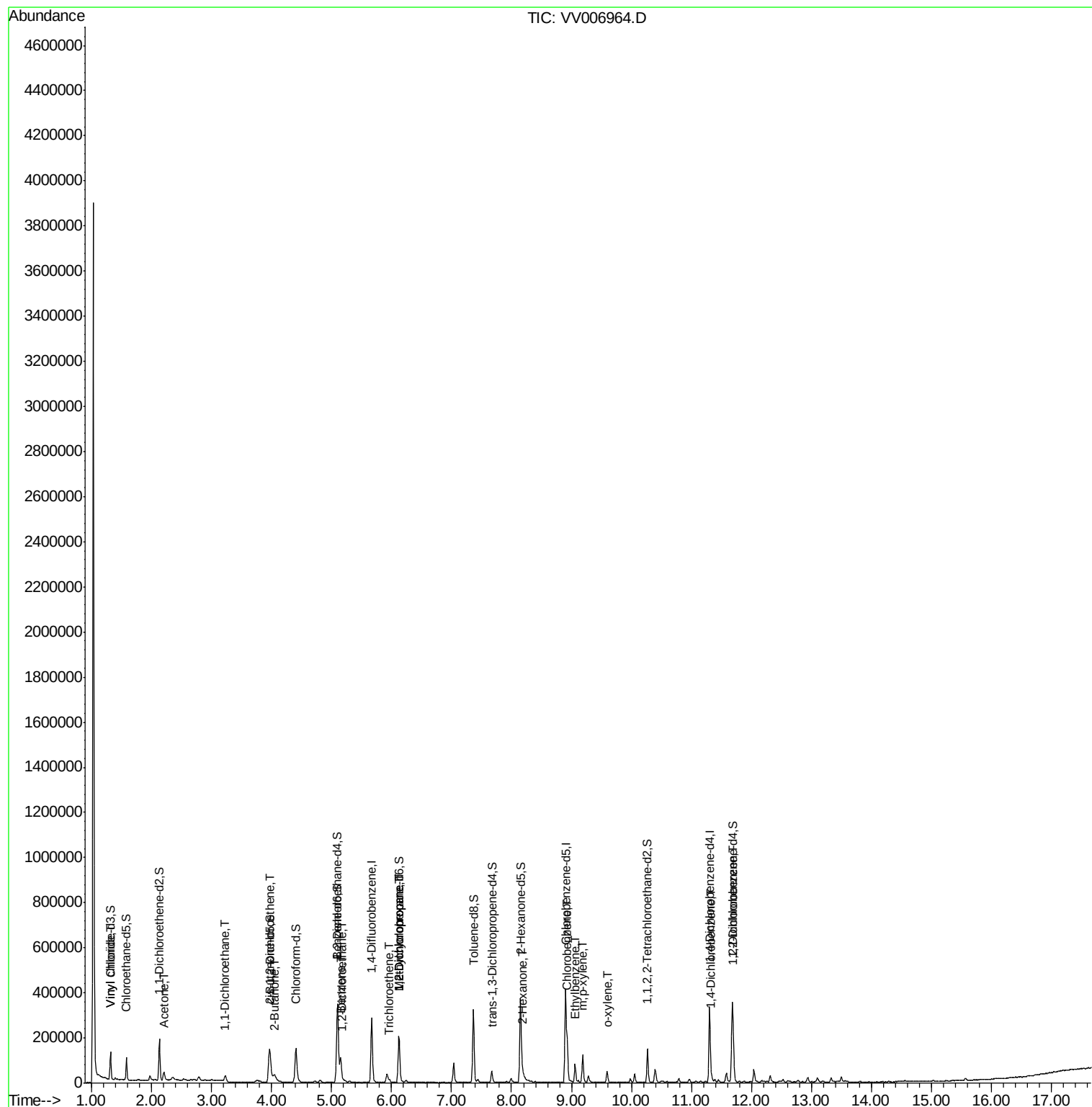
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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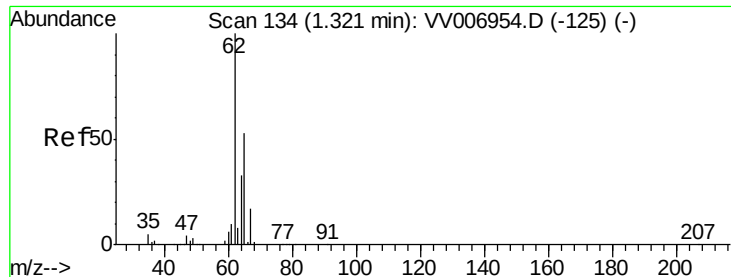
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.247 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006964.D

Acq: 09 Aug 2018 21:47

Instrument :

MSVOA_V

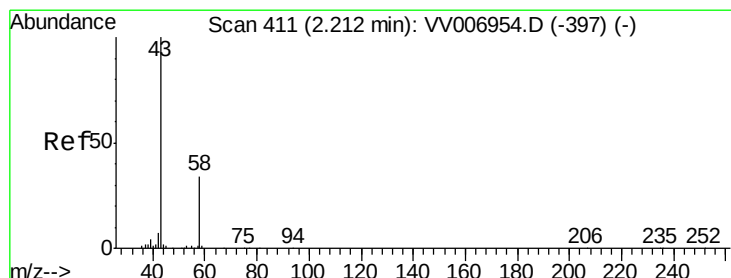
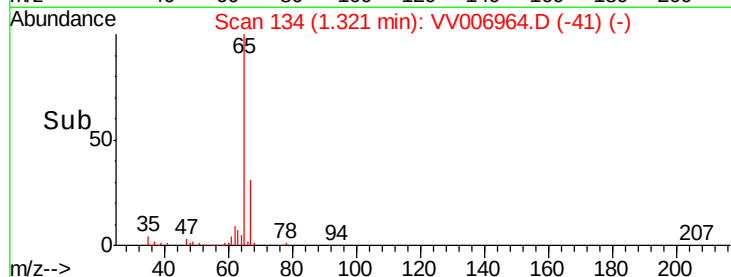
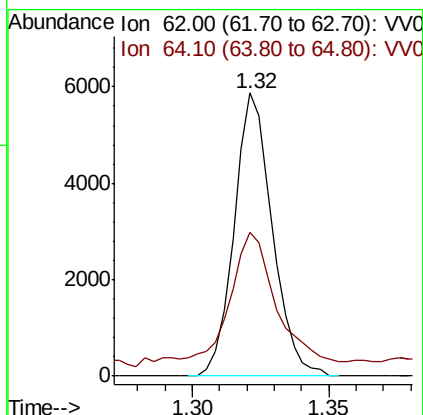
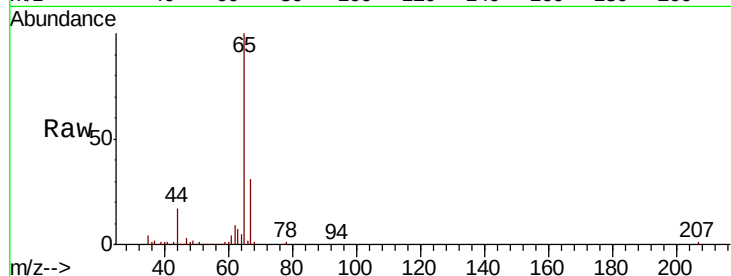
ClientSampleId :

Tot Ion: 62 Resp: 5679

Ion Ratio Lower Upper

62 100

64 50.7 23.5 43.7#



#13

Acetone

Concen: 19.468 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006964.D

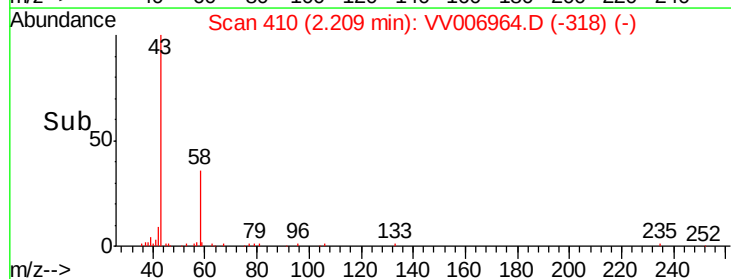
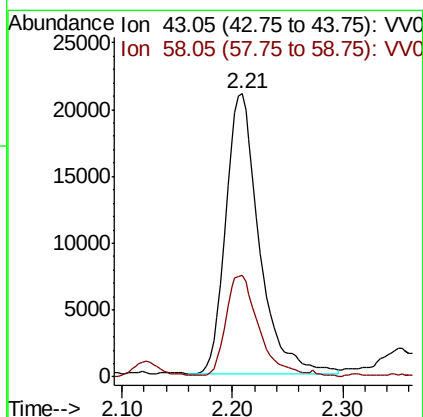
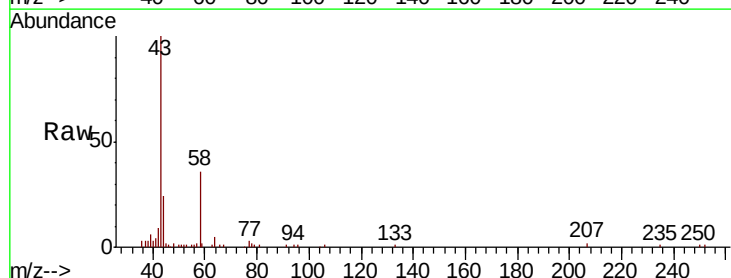
Acq: 09 Aug 2018 21:47

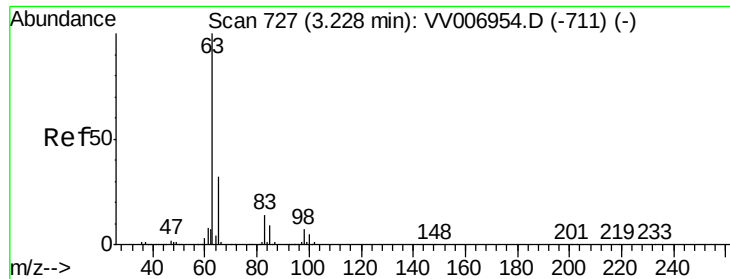
Tgt Ion: 43 Resp: 44204

Ion Ratio Lower Upper

43 100

58 34.9 0.0 71.4

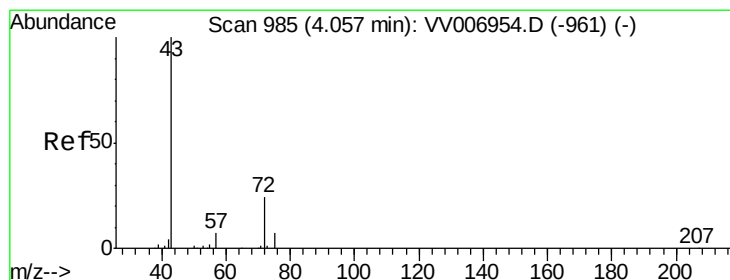
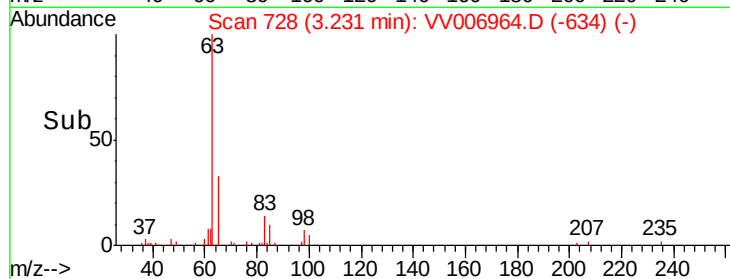
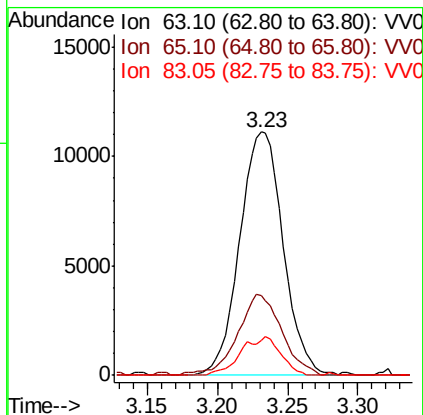
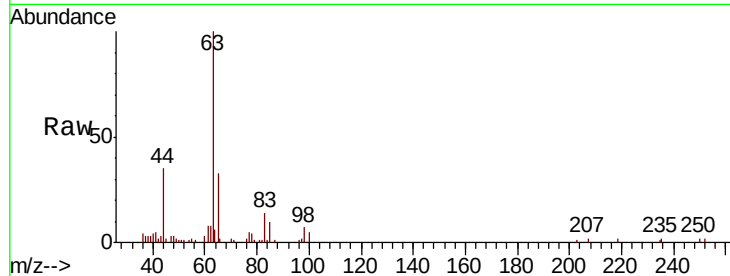




#19
 1,1-Dichloroethane
 Concen: 0.727 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006964.D
 Acq: 09 Aug 2018 21:47

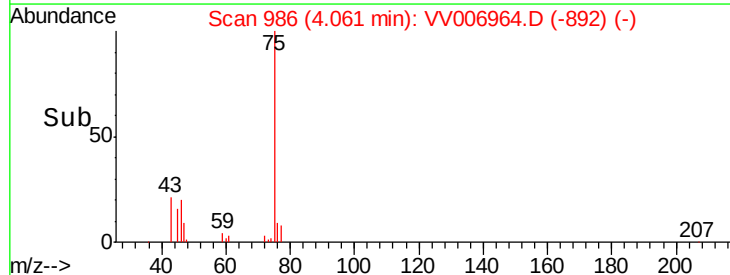
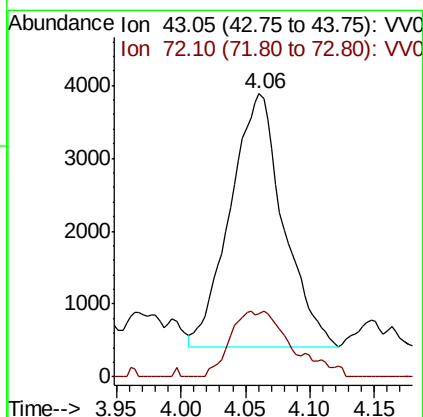
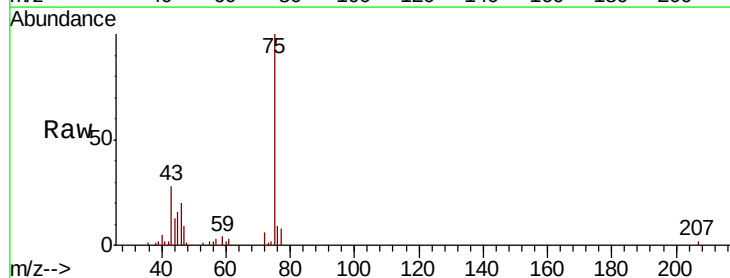
Instrument :
 MSVOA_V
 ClientSampleId :

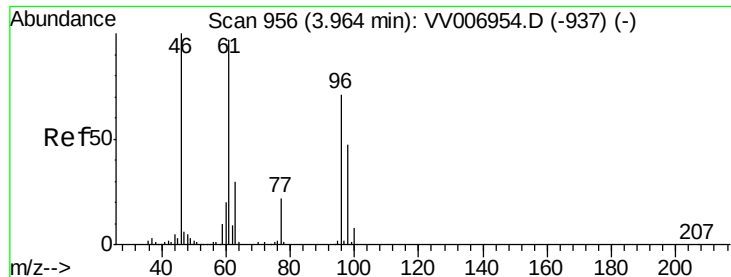
Tot Ion:	63	Resp:	23968
Ion	Ratio	Lower	Upper
63	100		
65	32.6	21.7	40.3
83	14.4	10.0	18.6



#21
 2-Butanone
 Concen: 2.015 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VV006964.D
 Acq: 09 Aug 2018 21:47

Tgt Ion:	43	Resp:	9932
Ion	Ratio	Lower	Upper
43	100		
72	12.7	12.4	37.2



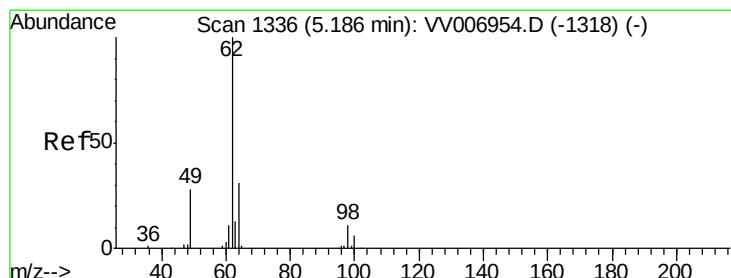
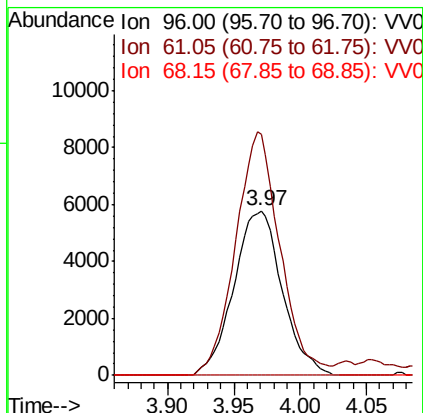
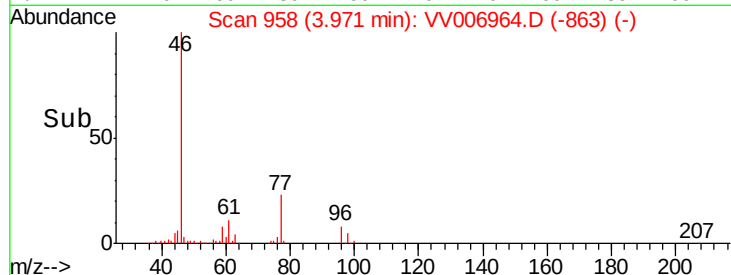
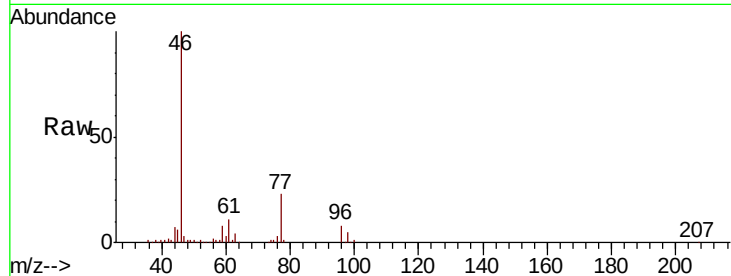


#22

cis-1,2-Dichloroethene
Concen: 0.708 ug/L
RT: 3.97 min Scan# 958
Delta R.T. 0.01 min
Lab File: VV006964.D
Acq: 09 Aug 2018 21:47

Instrument :
MSVOA_V
ClientSampleId :

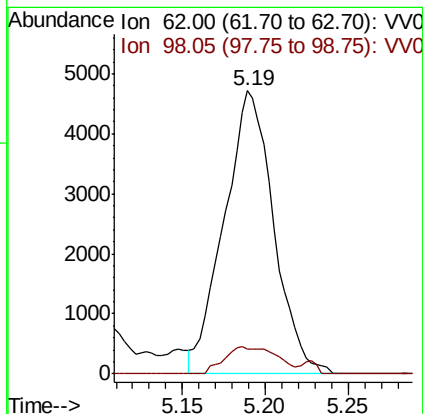
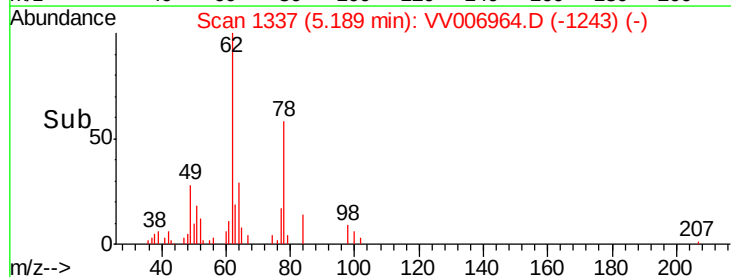
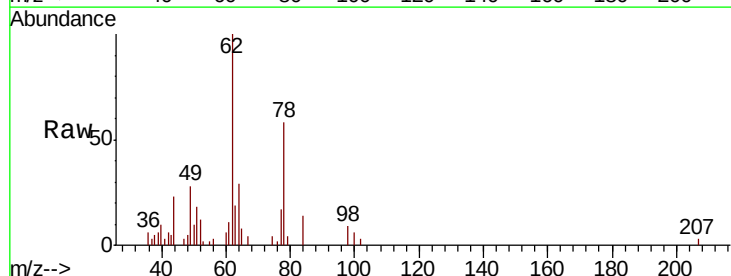
Tot Ion: 96 Resp: 14679
Ion Ratio Lower Upper
96 100
61 146.5 91.1 169.1
68 0.0 0.0 0.0

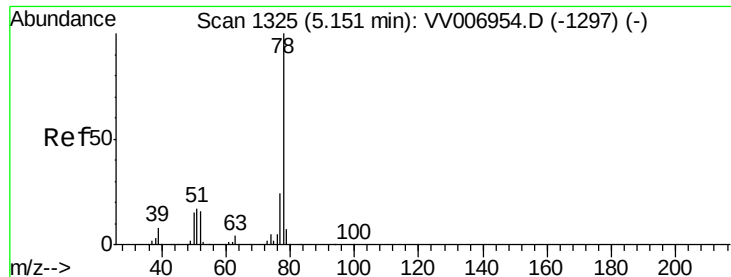


#27

1,2-Dichloroethane
Concen: 0.435 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006964.D
Acq: 09 Aug 2018 21:47

Tgt Ion: 62 Resp: 9787
Ion Ratio Lower Upper
62 100
98 8.9 7.6 11.4





#33

Benzene

Concen: 1.385 ug/L

RT: 5.15 min Scan# 1325

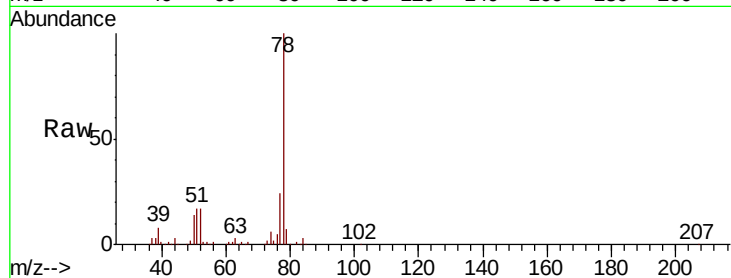
Delta R.T. 0.00 min

Lab File: VV006964.D

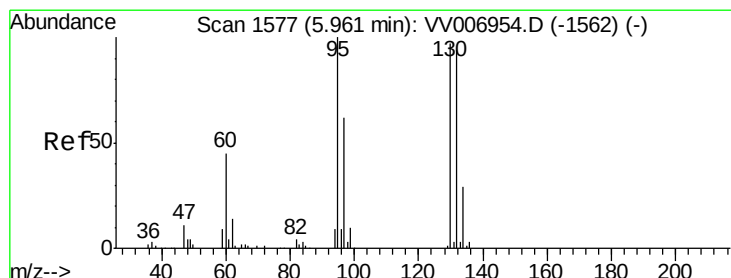
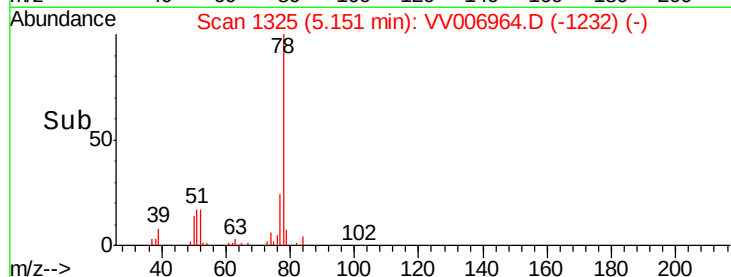
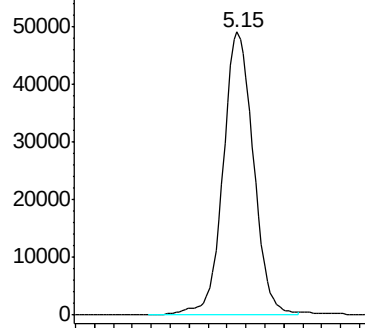
Acq: 09 Aug 2018 21:47

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 109325



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.201 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006964.D

Acq: 09 Aug 2018 21:47

Tgt Ion: 95 Resp: 3807

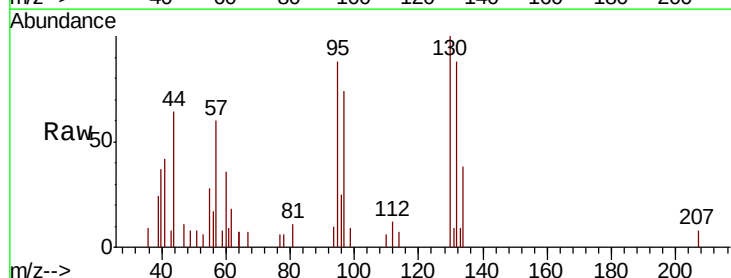
Ion	Ratio	Lower	Upper
95	100		
97	84.4	44.8	83.2
132	99.6	65.5	121.6
130	113.7	66.4	123.4

95 100

97 84.4 44.8 83.2

132 99.6 65.5 121.6

130 113.7 66.4 123.4

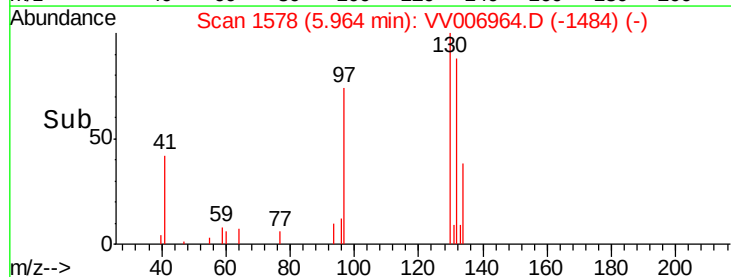
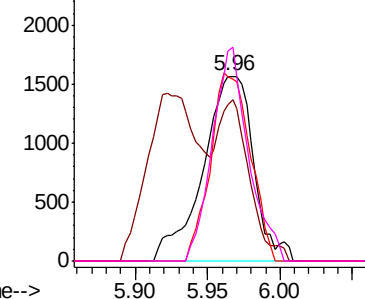


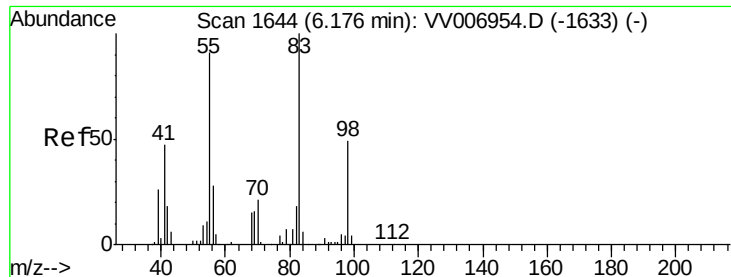
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

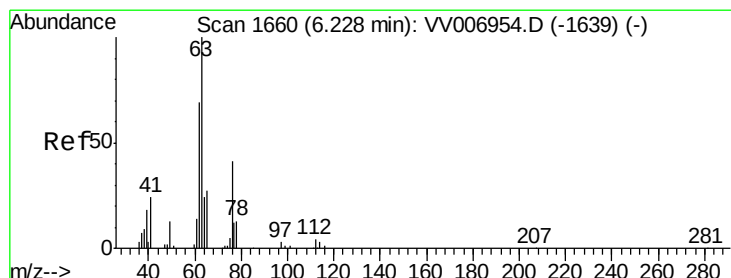
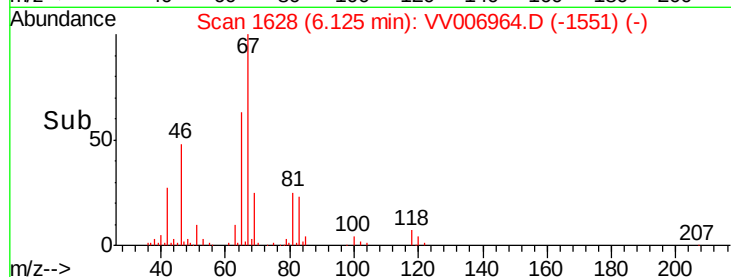
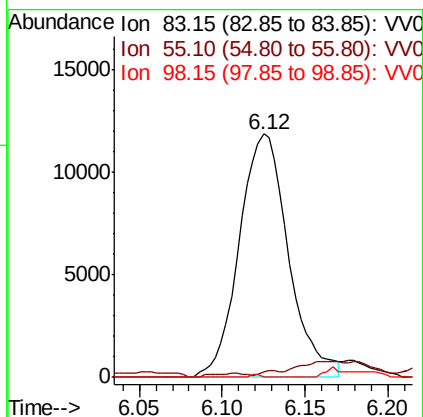
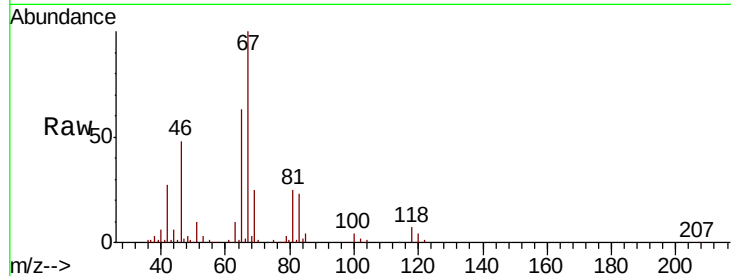




#35
Methylvlcyclohexane
Concen: 0.805 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV006964.D
Acq: 09 Aug 2018 21:47

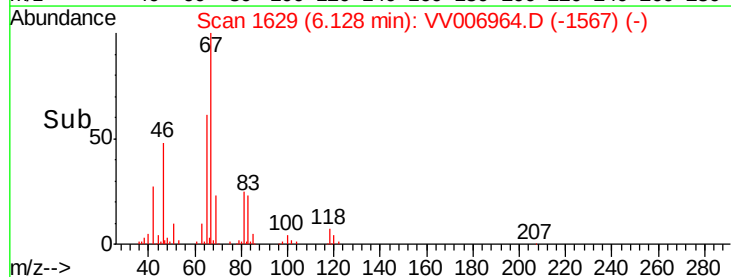
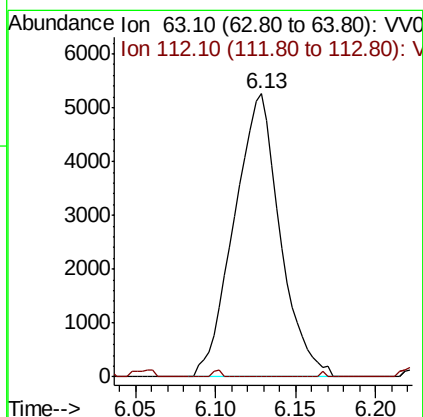
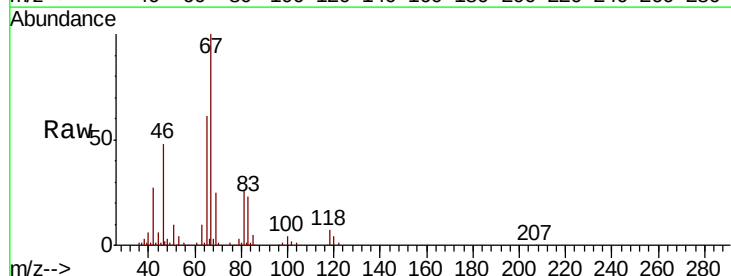
Instrument :
MSVOA_V
ClientSampleId :

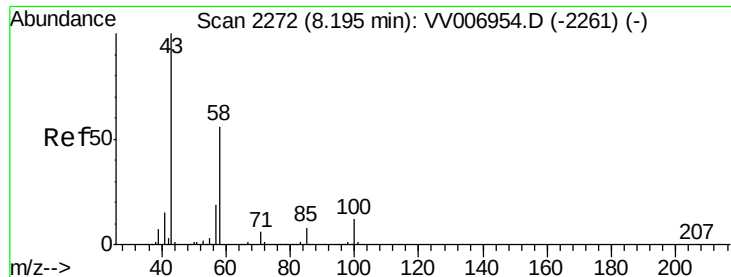
Tot Ion: 83 Resp: 24479
Ion Ratio Lower Upper
83 100
55 1.1 68.1 102.1#
98 0.2 37.9 56.9#



#37
1,2-Dichloropropane
Concen: 0.478 ug/L
RT: 6.13 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VV006964.D
Acq: 09 Aug 2018 21:47

Tgt Ion: 63 Resp: 10321
Ion Ratio Lower Upper
63 100
112 1.1 3.5 5.3#

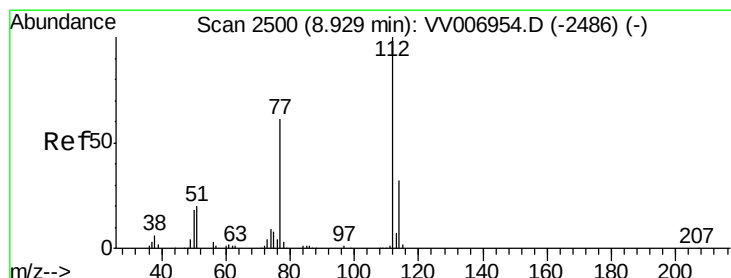
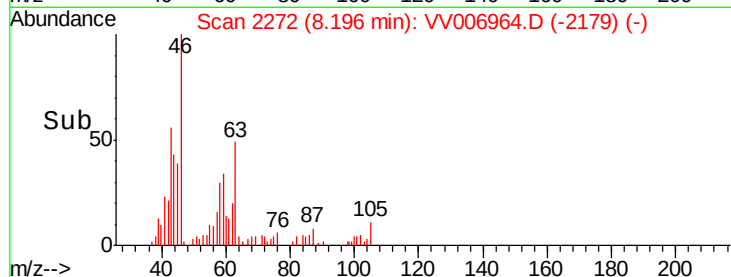
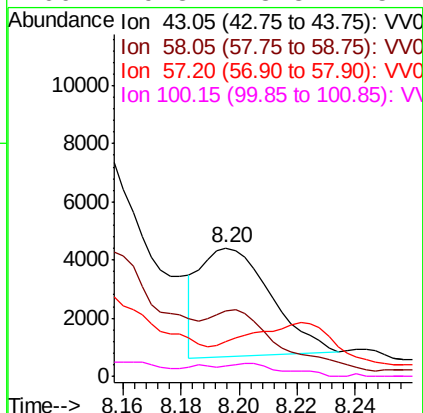
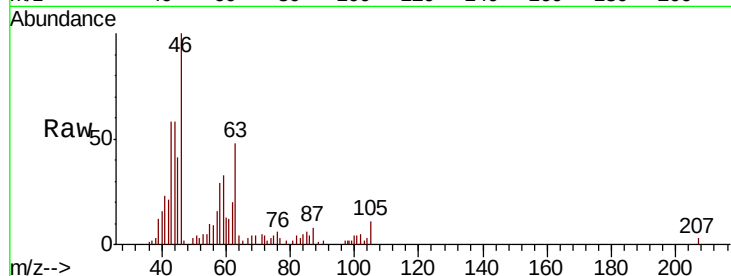




#48
2-Hexanone
Concen: 0.768 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006964.D
Acq: 09 Aug 2018 21:47

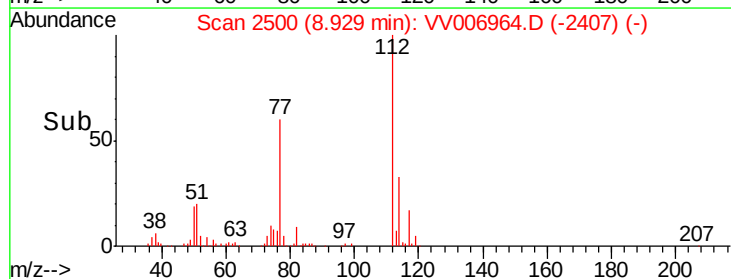
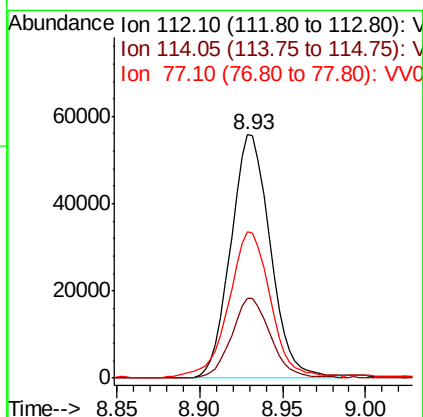
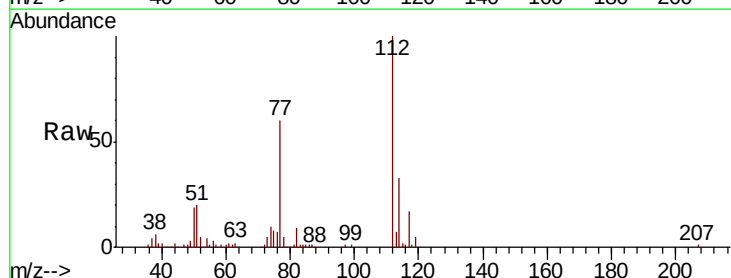
Instrument :
MSVOA_V
ClientSampled :

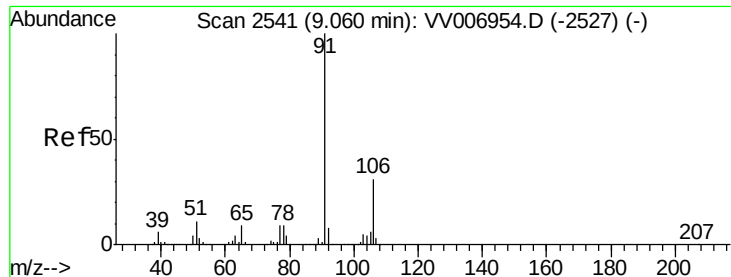
Tot Ion: 43 Resp: 6324
Ion Ratio Lower Upper
43 100
58 51.4 44.2 66.2
57 77.6 14.8 22.2#
100 9.3 8.8 13.2



#51
Chlorobenzene
Concen: 1.922 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006964.D
Acq: 09 Aug 2018 21:47

Tgt Ion: 112 Resp: 92943
Ion Ratio Lower Upper
112 100
114 32.8 21.8 40.6
77 60.0 48.0 72.0





#52

Ethylbenzene

Concen: 0.743 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006964.D

Acq: 09 Aug 2018 21:47

Instrument :

MSVOA_V

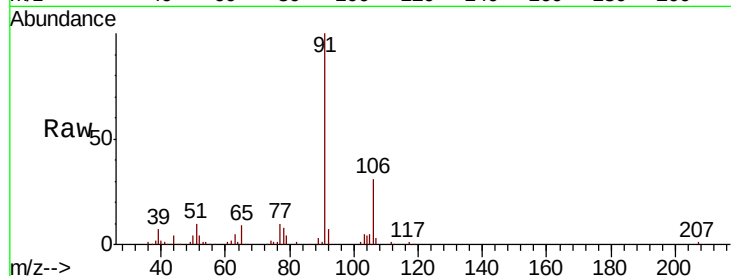
ClientSampleId :

Tot Ion: 91 Resp: 56294

Ion Ratio Lower Upper

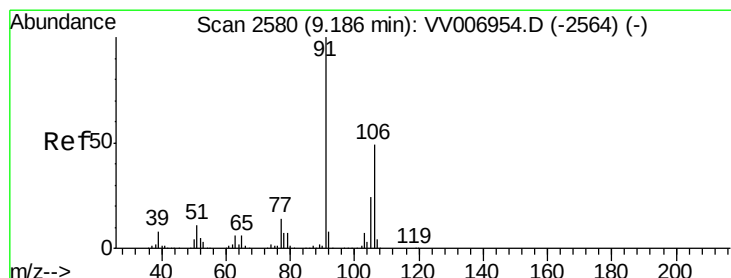
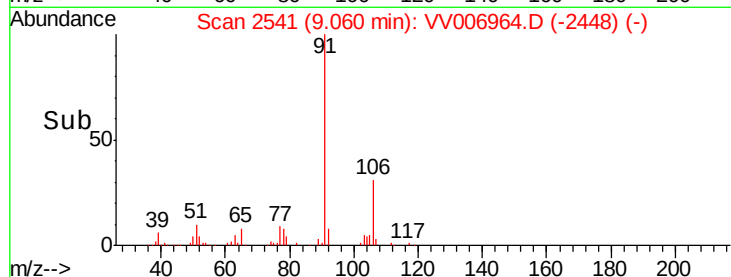
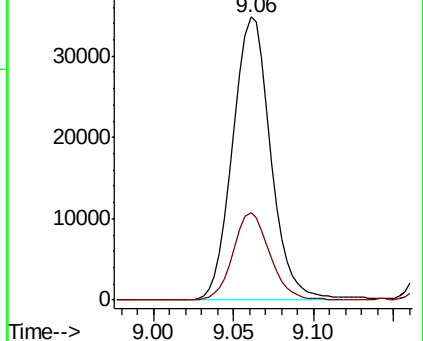
91 100

106 31.1 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV006954.D (-2527) (-)

Ion 106.15 (105.85 to 106.85): VV006954.D (-2527) (-)



#53

m,p-xylene

Concen: 1.196 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006964.D

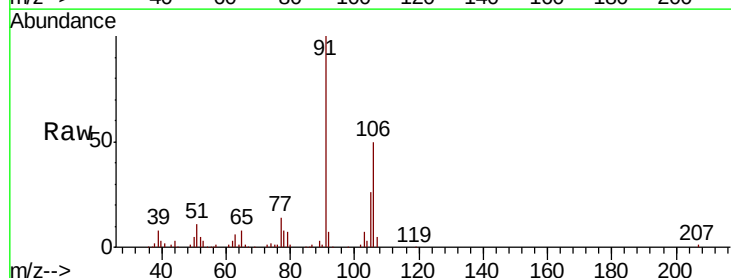
Acq: 09 Aug 2018 21:47

Tgt Ion: 106 Resp: 33762

Ion Ratio Lower Upper

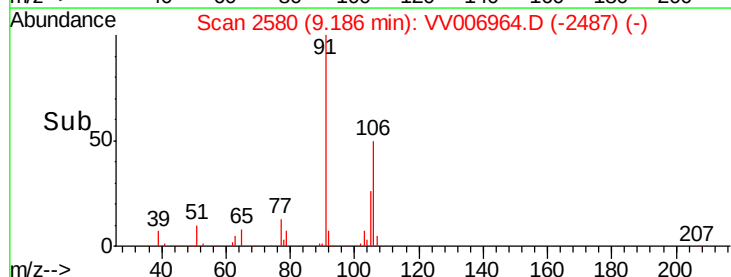
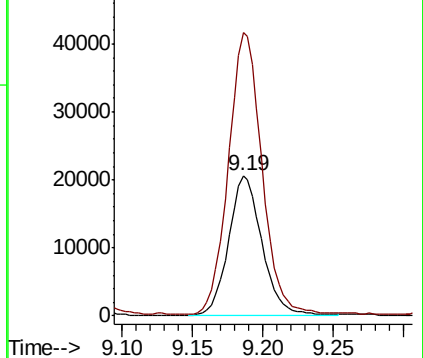
106 100

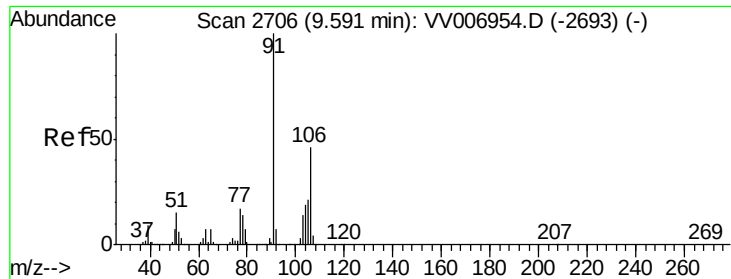
91 201.6 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV006954.D (-2564) (-)

Ion 91.15 (90.85 to 91.85): VV006954.D (-2564) (-)





#54

o-xylene

Concen: 0.493 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006964.D

Acq: 09 Aug 2018 21:47

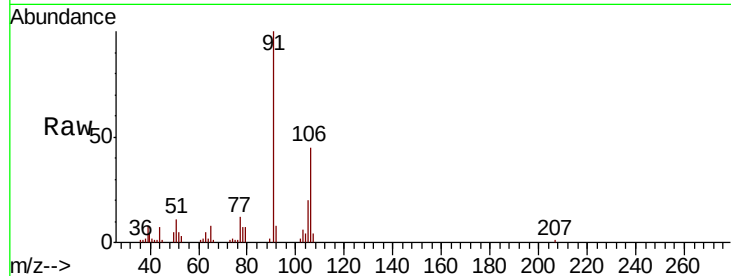
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 13196

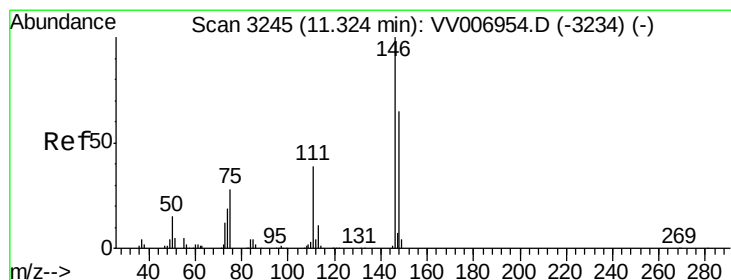
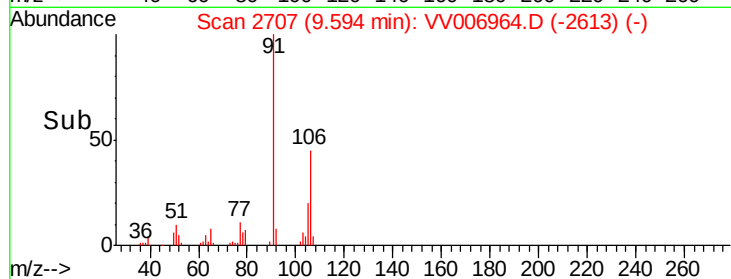
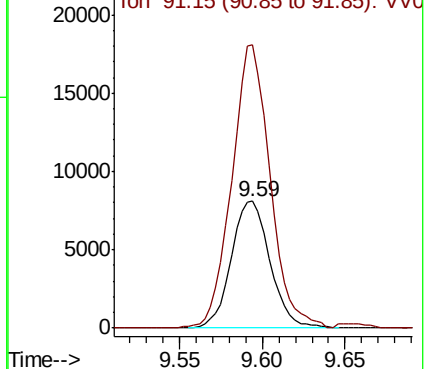
Ion Ratio Lower Upper

106 100

91 223.4 149.8 278.2



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



#63

1,4-Dichlorobenzene

Concen: 0.206 ug/L

RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VV006964.D

Acq: 09 Aug 2018 21:47

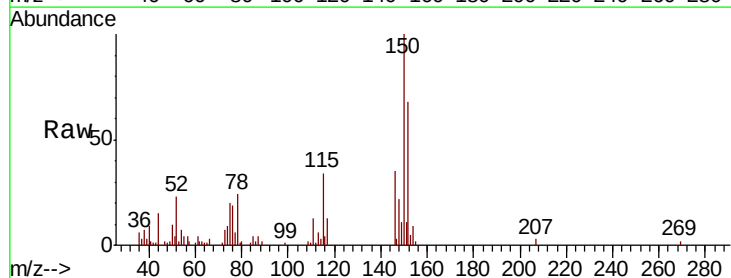
Tgt Ion:146 Resp: 6618

Ion Ratio Lower Upper

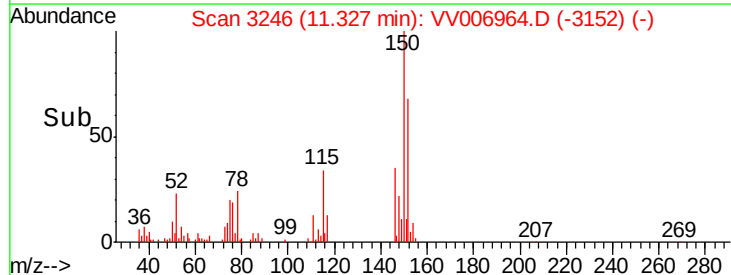
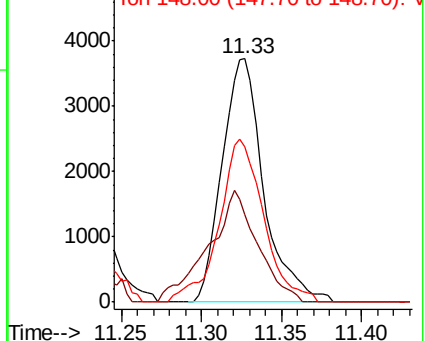
146 100

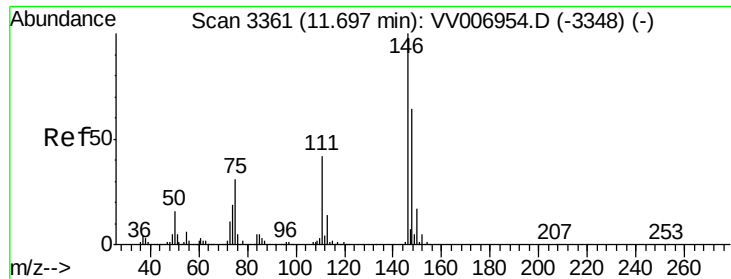
111 35.8 26.6 49.4

148 63.7 46.4 86.2



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65
 1,2-Dichlorobenzene
 Concen: 2.035 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006964.D
 Acq: 09 Aug 2018 21:47

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	33.0	49.6
148	64.4	50.6	75.8

