

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008396.D
 Acq On : 24 Oct 2018 17:01
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

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 10/25/2018 4:41:00 PM

Quant Time: Oct 25 09:16:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 09:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	219854	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	196023	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	77306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	45212	37.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.28%
7) Chloroethane-d5	1.55	69	28792	32.76	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.52%#
11) 1,1-Dichloroethene-d2	2.11	63	68864	31.32	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.64%
21) 2-Butanone-d5	3.93	46	130727	98.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.82%
24) Chloroform-d	4.40	84	134604	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
26) 1,2-Dichloroethane-d4	5.08	65	94078	46.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.74%
32) Benzene-d6	5.10	84	267824	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
36) 1,2-Dichloropropane-d6	6.12	67	95327	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.32%
41) Toluene-d8	7.36	98	245565	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%
43) trans-1,3-Dichloropropene-	7.66	79	45272	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
47) 2-Hexanone-d5	8.13	63	97314	96.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	120993	46.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.14%
64) 1,2-Dichlorobenzene-d4	11.68	152	75495	47.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	2390	1.522 ug/L	99
3) Chloromethane	1.25	50	3765	2.239 ug/L	99
5) Vinyl chloride	1.32	62	2254	1.446 ug/L #	45
6) Bromomethane	1.51	94	932	2.180 ug/L	98
8) Chloroethane	1.57	64	1601	1.956 ug/L	95
9) Trichlorofluoromethane	1.75	101	3104	1.548 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2332	2.226 ug/L #	83
12) 1,1-Dichloroethene	2.12	96	2069	2.097 ug/L #	1
13) Acetone	2.19	43	4671	4.549 ug/L	95
14) Carbon disulfide	2.30	76	7647	1.721 ug/L	96
15) Methyl Acetate	2.46	43	3779	1.846 ug/L	100
16) Methylene chloride	2.53	84	2832	1.658 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	2508	1.668 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	9128	1.696 ug/L	98
19) 1,1-Dichloroethane	3.23	63	5024	1.620 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	2854	1.666 ug/L	99
22) 2-Butanone	4.03	43	5459	3.680 ug/L #	71

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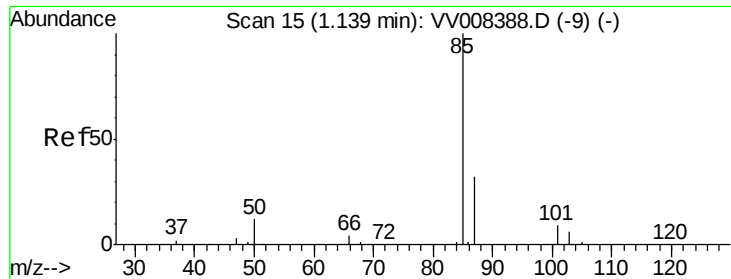
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Quant Time: Oct 25 09:16:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	1342m	1.661	ug/L	
25) Chloroform	4.42	83	5671	1.873	ug/L	94
27) 1,2-Dichloroethane	5.18	62	4470	1.768	ug/L	99
29) Cyclohexane	4.72	56	4998	1.751	ug/L #	96
30) 1,1,1-Trichloroethane	4.65	97	4410	1.735	ug/L #	84
31) Carbon tetrachloride	4.87	117	3700	1.715	ug/L	90
33) Benzene	5.14	78	10993	1.716	ug/L	100
34) Trichloroethene	5.96	95	3082	1.879	ug/L	96
35) Methylcyclohexane	6.17	83	4642	1.664	ug/L	93
37) 1,2-Dichloropropane	6.22	63	3244	1.833	ug/L #	89
38) Bromodichloromethane	6.56	83	3935	1.745	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	4778	1.717	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	8536	3.257	ug/L	96
42) Toluene	7.43	91	12138	1.824	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	4885	1.877	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	2634	1.683	ug/L	91
46) Tetrachloroethene	8.02	164	1773	1.658	ug/L	92
48) 2-Hexanone	8.19	43	7489	3.704	ug/L	97
49) Dibromochloromethane	8.29	129	2530	1.505	ug/L	88
50) 1,2-Dibromoethane	8.40	107	2677	1.631	ug/L #	91
51) Chlorobenzene	8.93	112	6879	1.679	ug/L	91
52) Ethylbenzene	9.06	91	12577	1.687	ug/L	97
53) m,p-Xylene	9.18	106	4682	1.719	ug/L	93
54) o-xylene	9.59	106	4581	1.684	ug/L	94
55) Styrene	9.61	104	6987	1.525	ug/L	96
56) Isopropylbenzene	9.98	105	11202	1.574	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	5113	1.866	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	3603	1.625	ug/L	95
61) Bromoform	9.78	173	1662	1.704	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	4430	1.733	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	4458	1.740	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	4500	1.727	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	844m	1.575	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	2522	1.511	ug/L	94
68) 1,2,4-trichlorobenzene	13.32	180	1790	1.326	ug/L	98
69) Naphthalene	13.56	128	4881	1.118	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	1834	1.359	ug/L	93

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



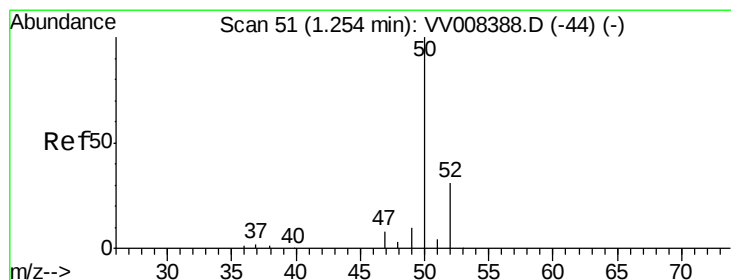
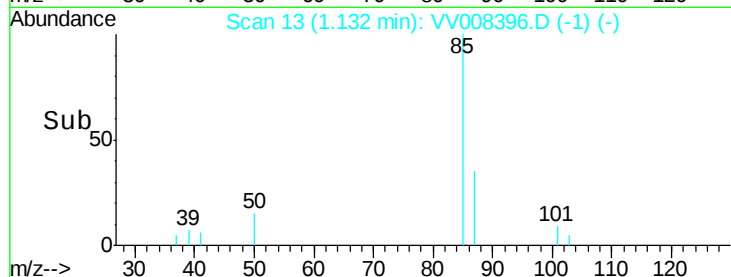
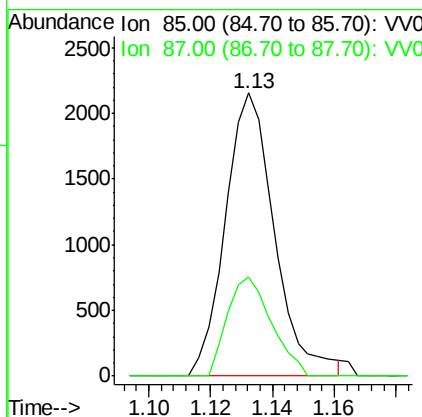
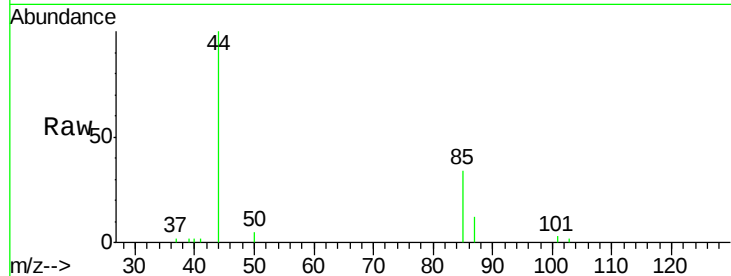
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 Dichlorodifluoromethane
 Concen: 1.522 ug/L
 RT: 1.13 min Scan# 13
 Delta R.T. -0.01 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 85 Resp: 2390
 Ion Ratio Lower Upper
 85 100
 87 31.3 25.4 38.2

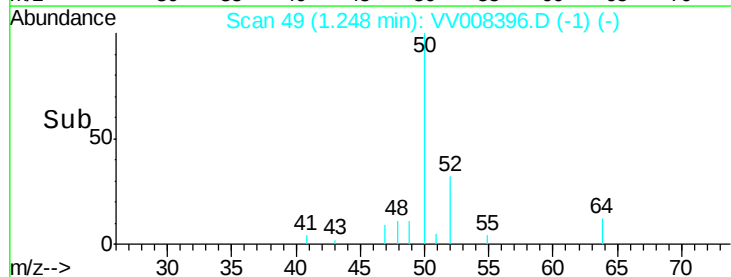
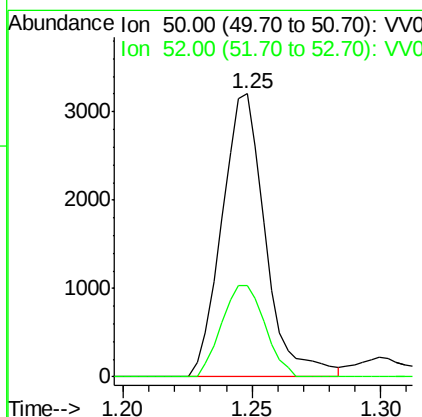
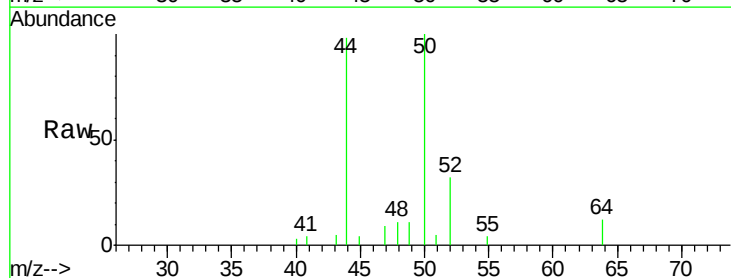
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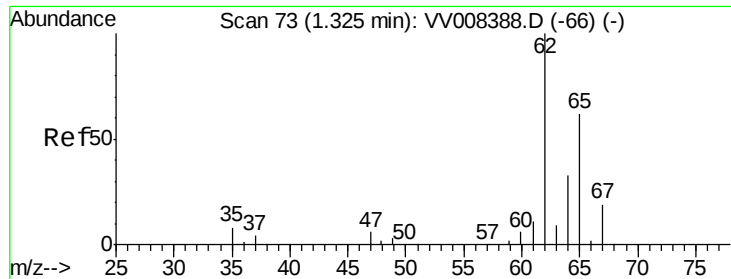
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#3
 Chloromethane
 Concen: 2.239 ug/L
 RT: 1.25 min Scan# 49
 Delta R.T. -0.01 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion: 50 Resp: 3765
 Ion Ratio Lower Upper
 50 100
 52 32.4 23.1 42.9





#5

Vinyl chloride

Concen: 1.446 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

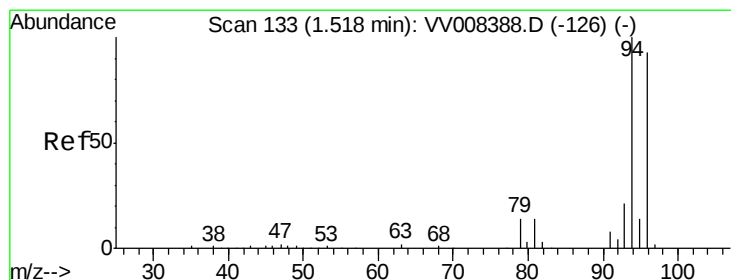
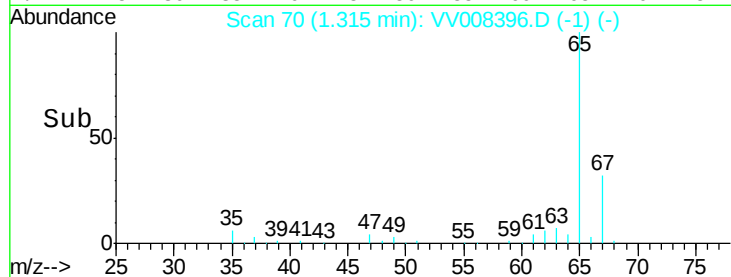
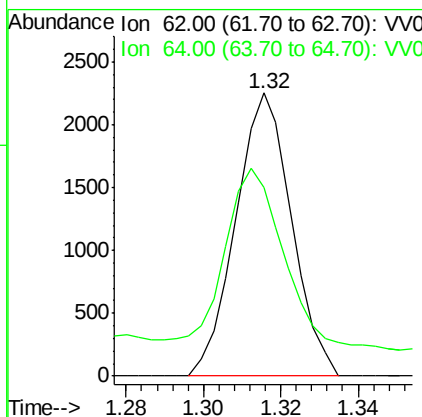
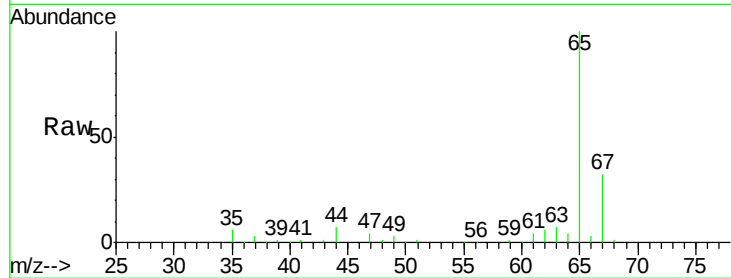
ClientSampled :

MDL07

Tgt Ion: 62 Resp: 2254
 Ion Ratio Lower Upper
 62 100
 64 66.7 24.4 45.4#

Manual Integrations
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#6

Bromomethane

Concen: 2.180 ug/L

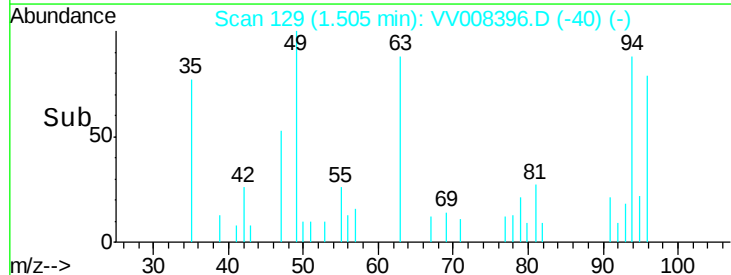
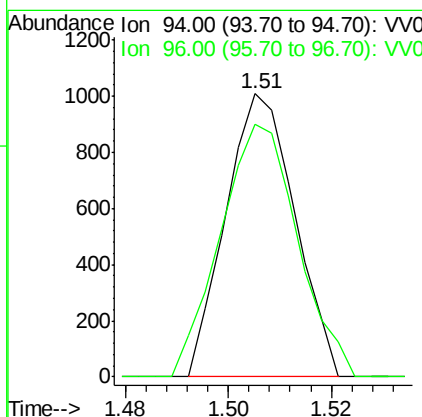
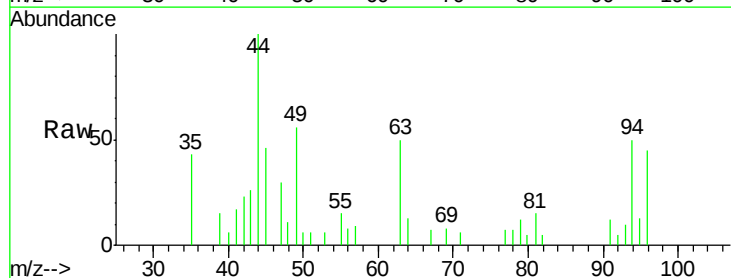
RT: 1.51 min Scan# 129

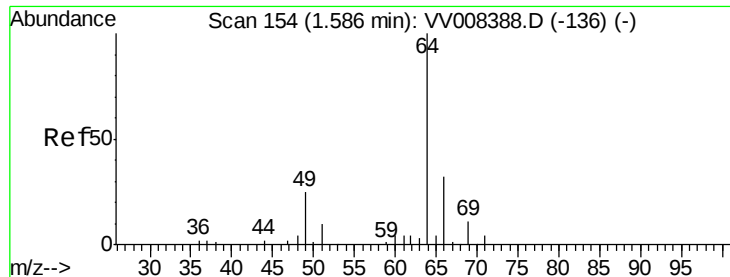
Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion: 94 Resp: 932
 Ion Ratio Lower Upper
 94 100
 96 89.4 63.8 118.6





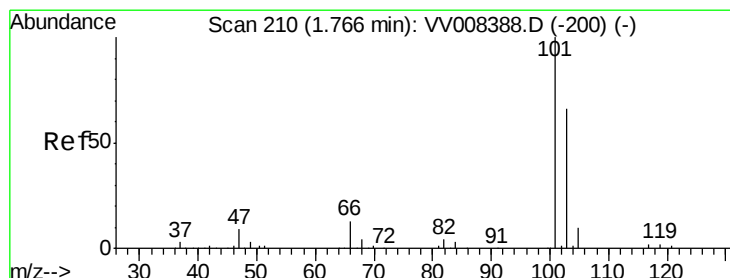
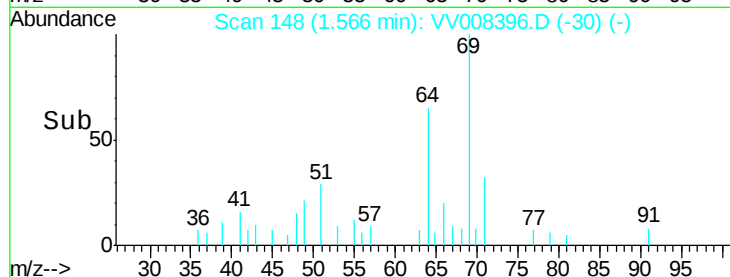
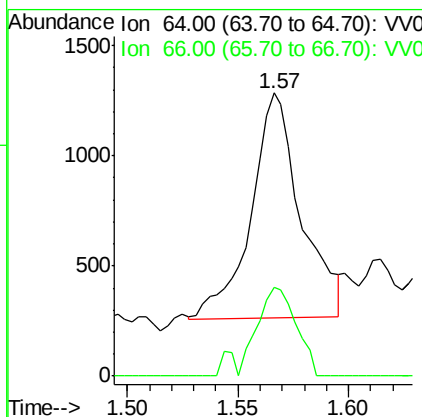
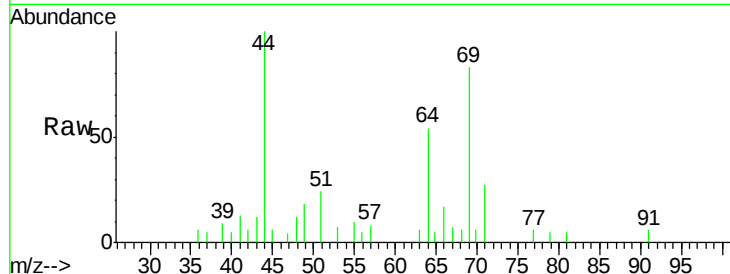
#8
Chloroethane
Concen: 1.956 ug/L
RT: 1.57 min Scan# 148
Delta R.T. -0.02 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 64 Resp: 1601
Ion Ratio Lower Upper
64 100
66 31.3 19.9 36.9

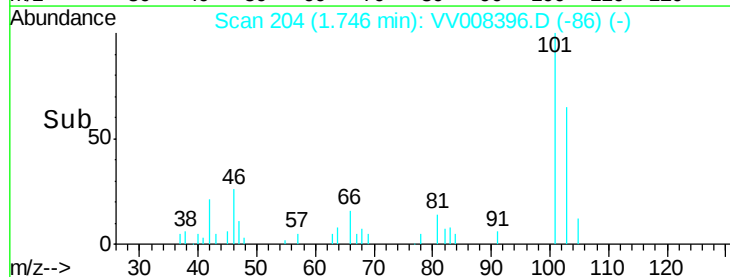
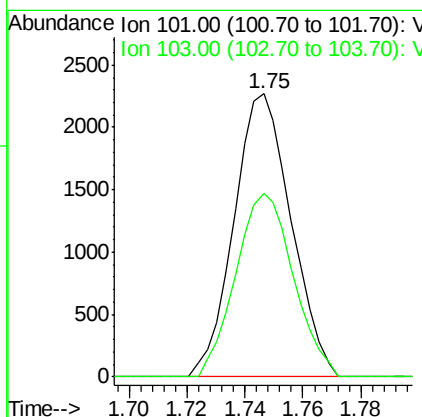
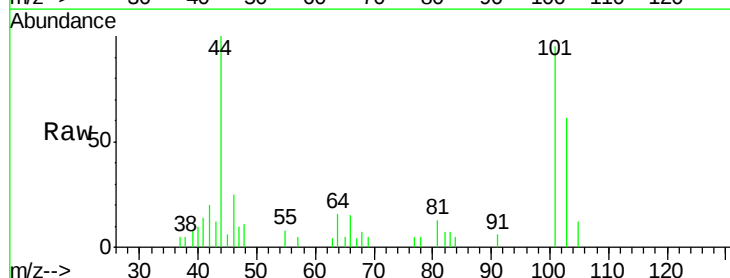
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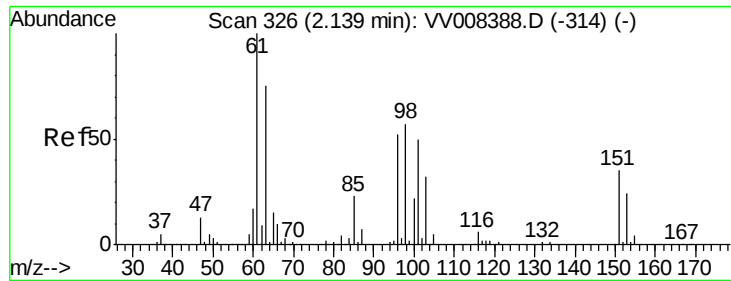
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#9
Trichlorofluoromethane
Concen: 1.548 ug/L
RT: 1.75 min Scan# 204
Delta R.T. -0.02 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 101 Resp: 3104
Ion Ratio Lower Upper
101 100
103 65.3 51.0 76.6





#10

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

Concen: 2.226 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

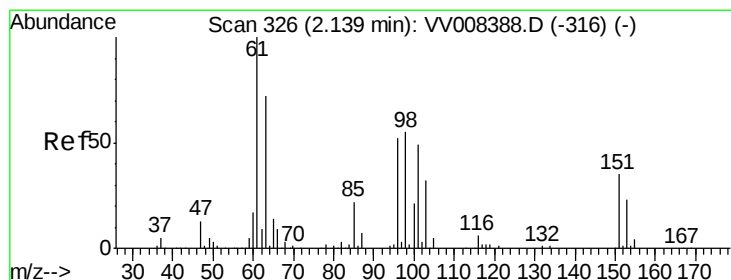
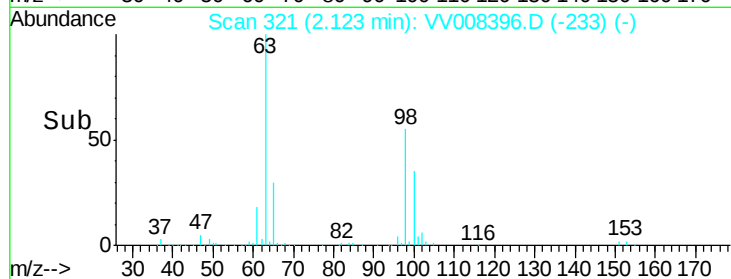
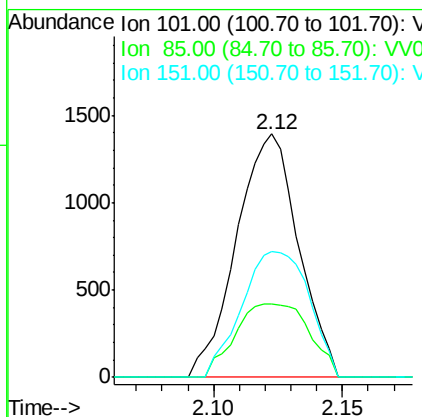
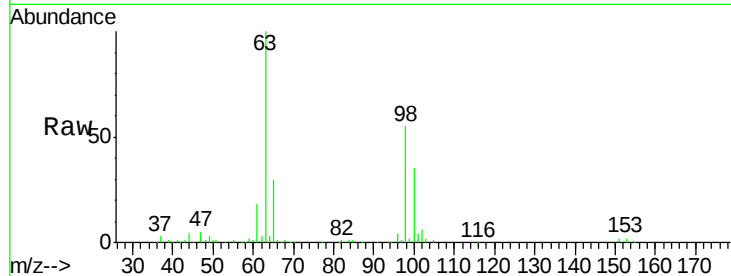
ClientSampleId :

MDL07

Tgt Ion:	101	Resp:	2332
Ion Ratio	Lower	Upper	
101	100		
85	36.0	35.6	53.4
151	56.4	58.1	87.1#

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#12

1,1-Dichloroethene

Concen: 2.097 ug/L

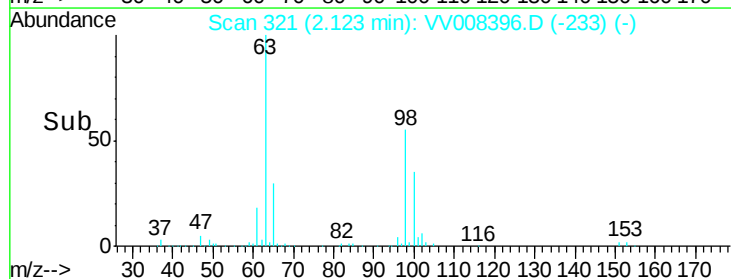
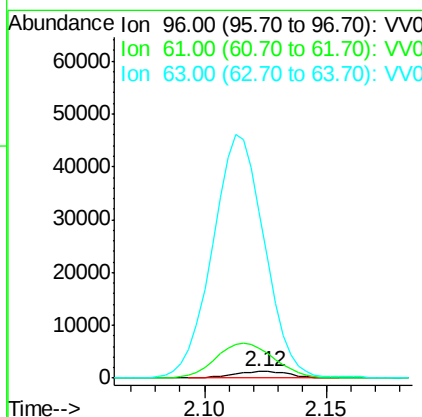
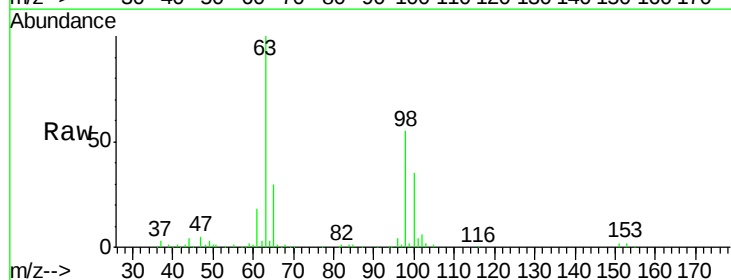
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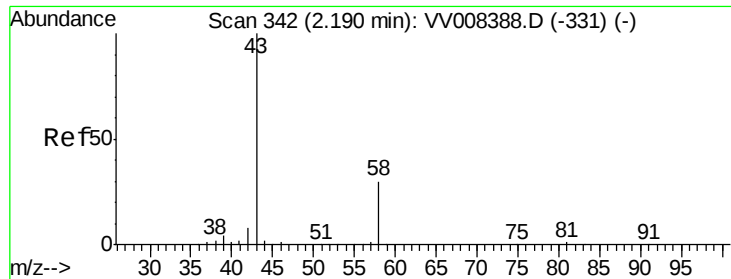
Delta R.T. -0.02 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion:	96	Resp:	2069
Ion Ratio	Lower	Upper	
96	100		
61	457.7	130.3	242.1#
63	2511.0	84.4	156.8#





#13

Acetone

Concen: 4.549 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 43 Resp: 4671

Ion Ratio Lower Upper

43 100

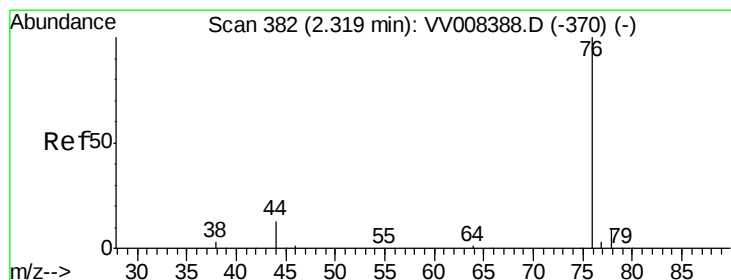
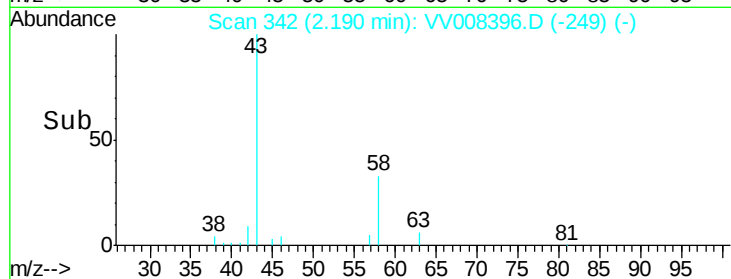
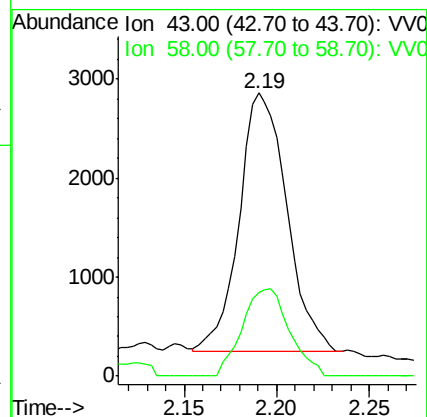
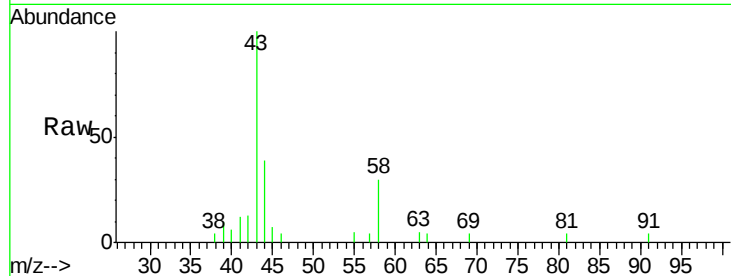
58 33.3 0.0 61.4

Manual Integrations

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#14

Carbon disulfide

Concen: 1.721 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.02 min

Lab File: VV008396.D

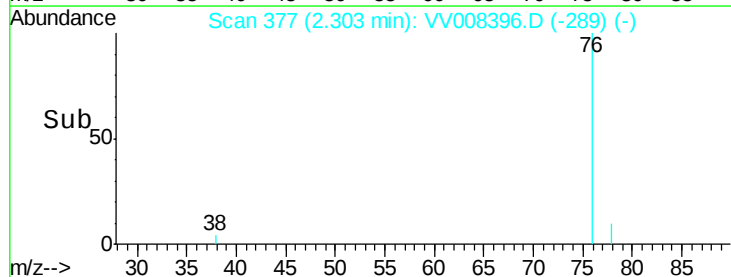
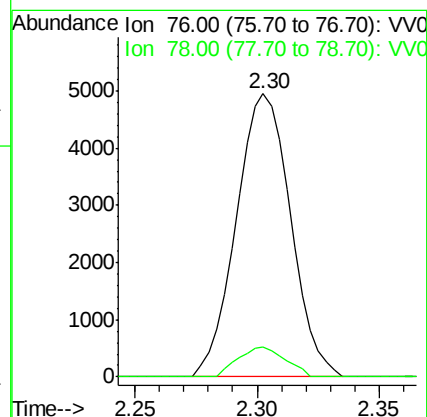
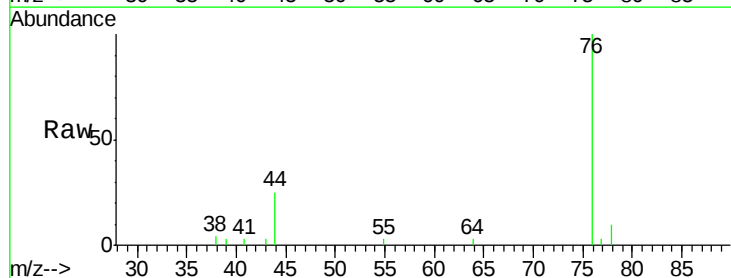
Acq: 24 Oct 2018 17:01

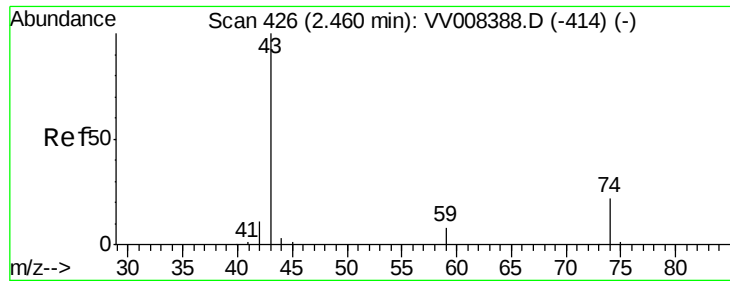
Tgt Ion: 76 Resp: 7647

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9





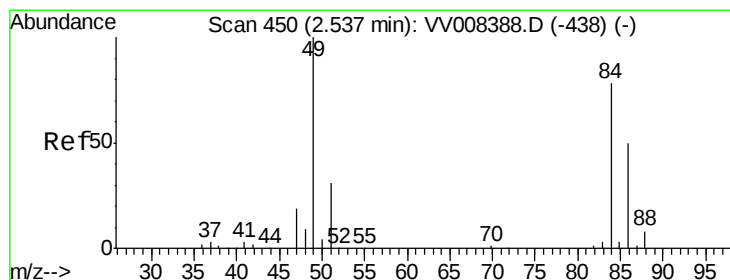
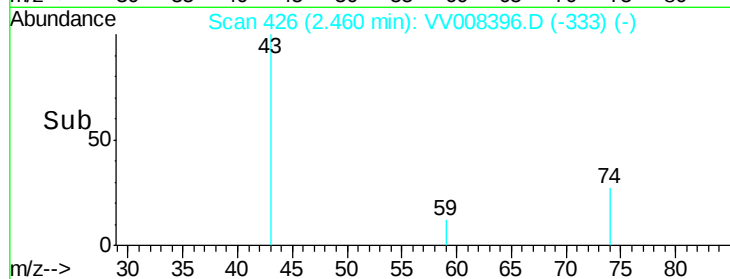
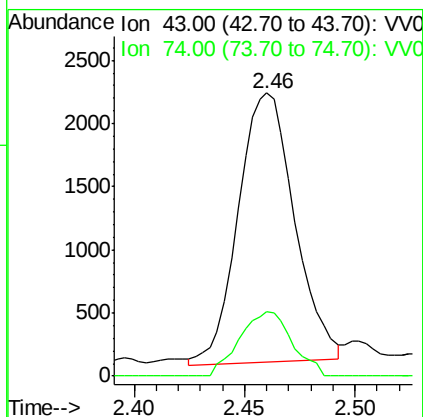
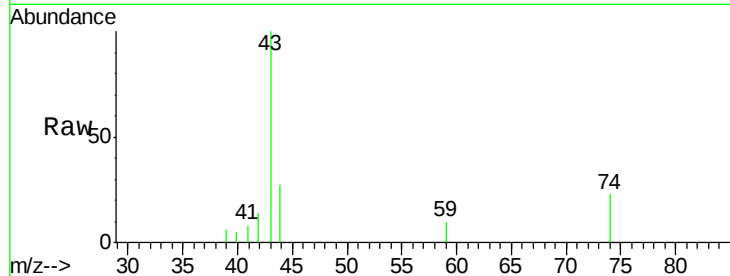
#15
Methyl Acetate
Concen: 1.846 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 43 Resp: 3779
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.6

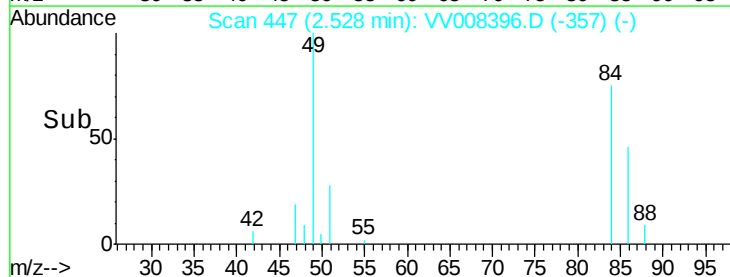
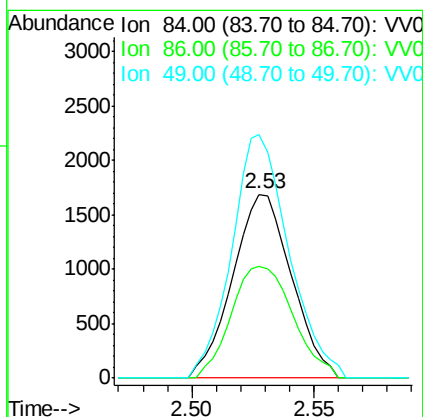
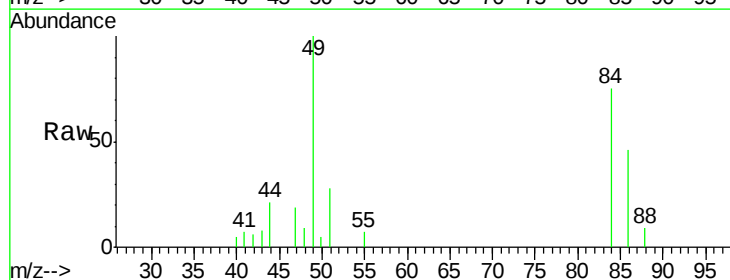
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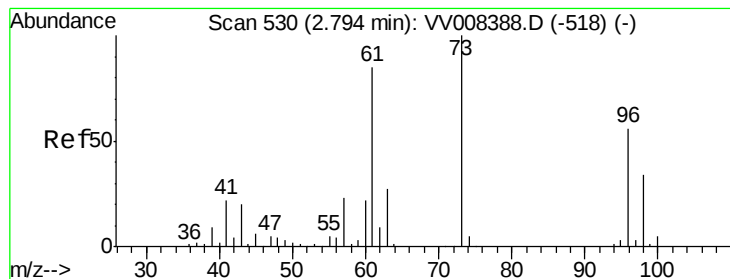
apatel
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#16
Methylene chloride
Concen: 1.658 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 84 Resp: 2832
Ion Ratio Lower Upper
84 100
86 60.6 45.6 84.6
49 132.6 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 1.668 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampleId :

MDL07

Tgt Ion: 96 Resp: 2508

Ion Ratio Lower Upper

96 100

61 158.8 108.6 201.6

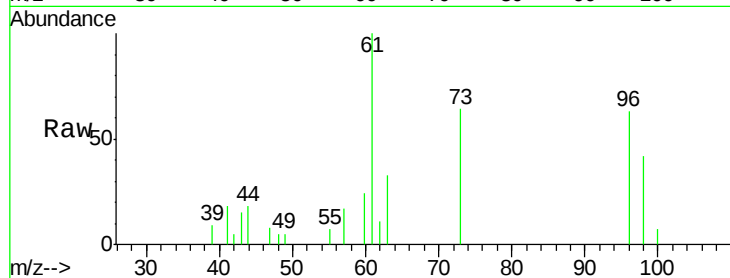
98 67.1 44.3 82.3

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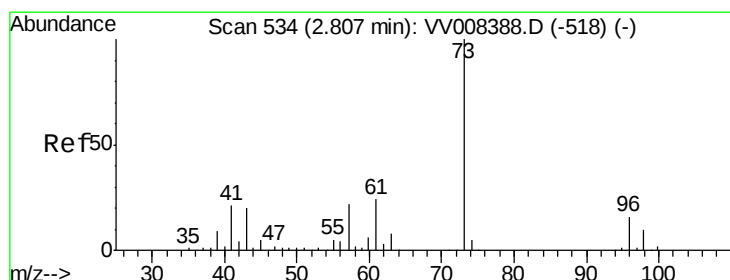
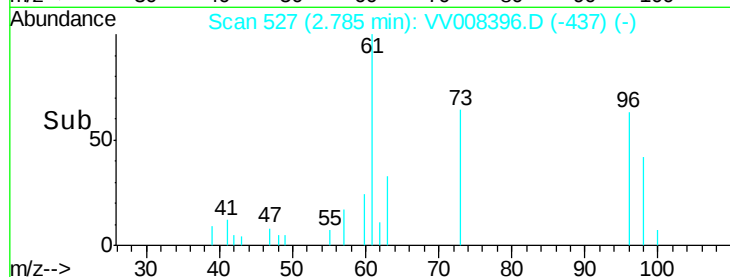
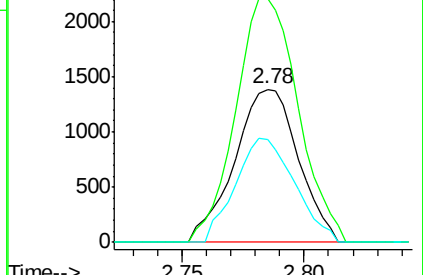
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Abundance Ion 96.00 (95.70 to 96.70): VV008388.D (-518) (-)

Ion 61.00 (60.70 to 61.70): VV008388.D (-518) (-)

Ion 98.00 (97.70 to 98.70): VV008388.D (-518) (-)



#18

Methyl tert-butyl Ether

Concen: 1.696 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

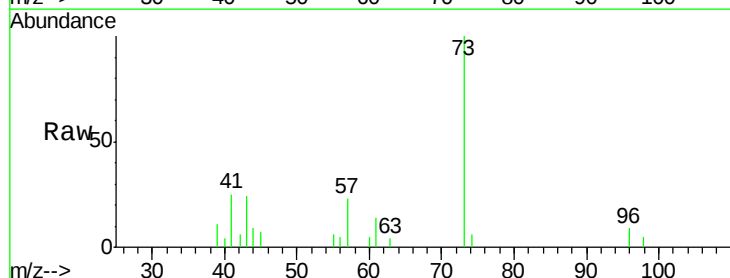
Tgt Ion: 73 Resp: 9128

Ion Ratio Lower Upper

73 100

43 19.7 16.2 24.4

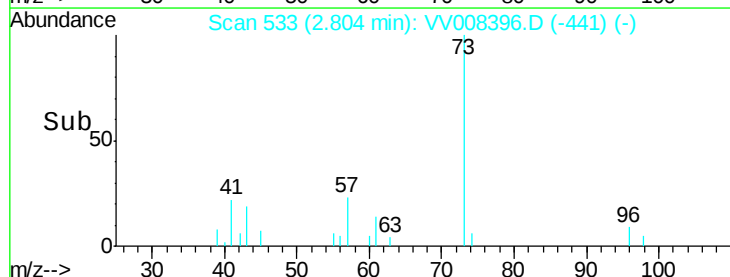
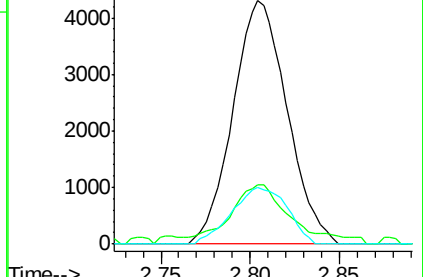
57 23.8 18.2 27.2

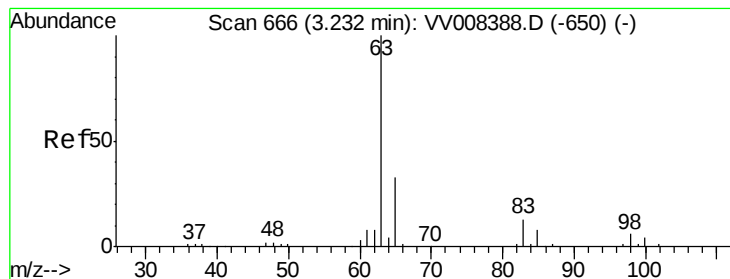


Abundance Ion 73.00 (72.70 to 73.70): VV008388.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV008388.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV008388.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 1.620 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

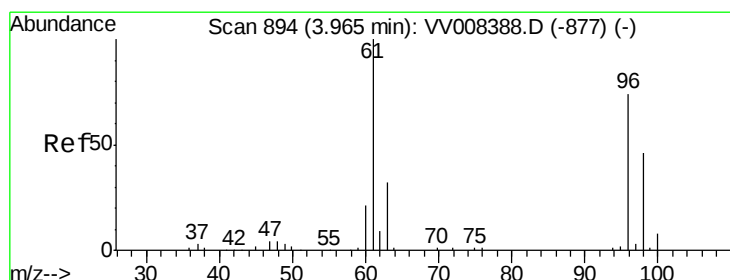
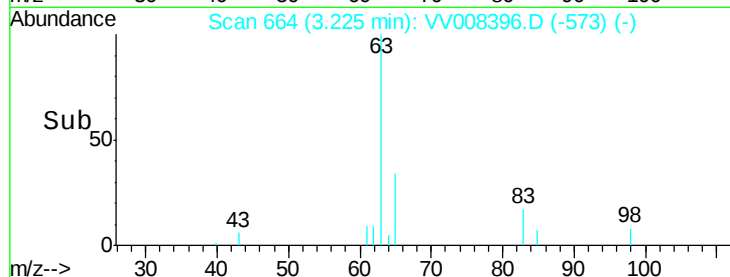
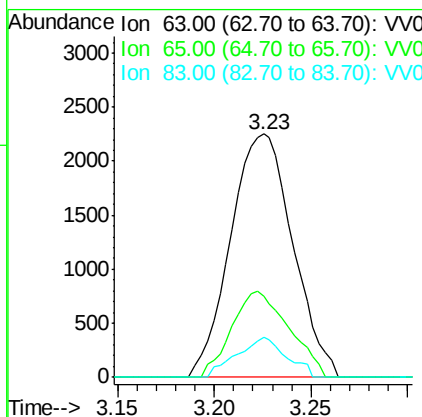
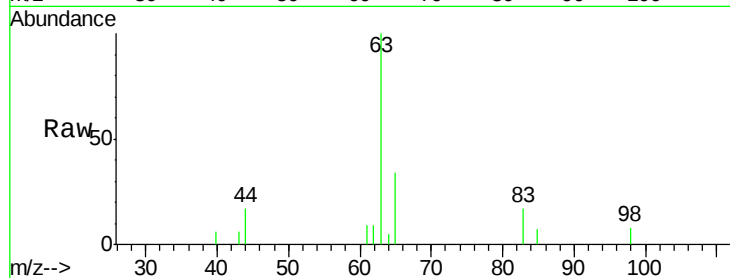
ClientSampleId :

MDL07

Tgt Ion:	63	Resp:	5024
Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.0	40.8
83	16.6	9.3	17.3

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#20

cis-1,2-Dichloroethene

Concen: 1.666 ug/L

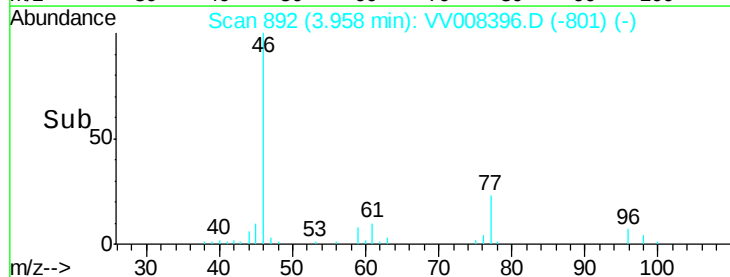
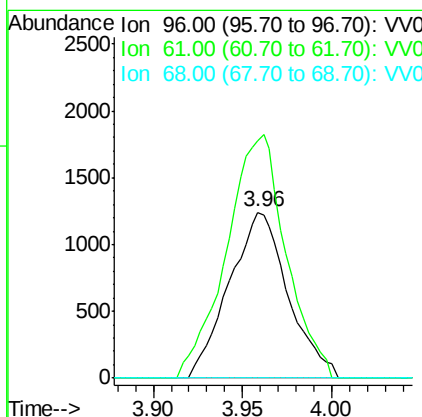
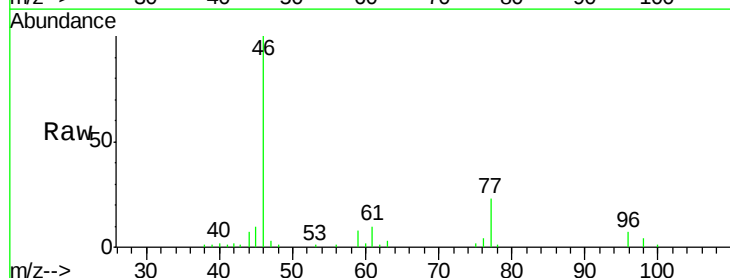
RT: 3.96 min Scan# 892

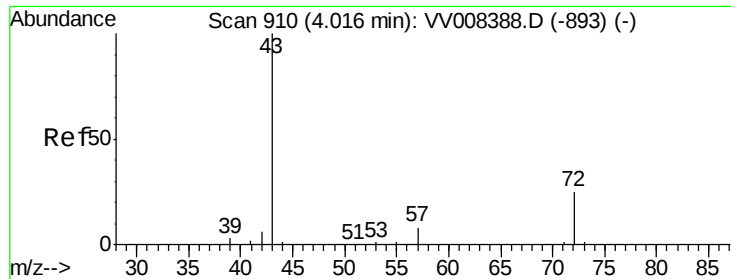
Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion:	96	Resp:	2854
Ion	Ratio	Lower	Upper
96	100		
61	143.0	100.9	187.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.680 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 43 Resp: 5459

Ion Ratio Lower Upper

43 100

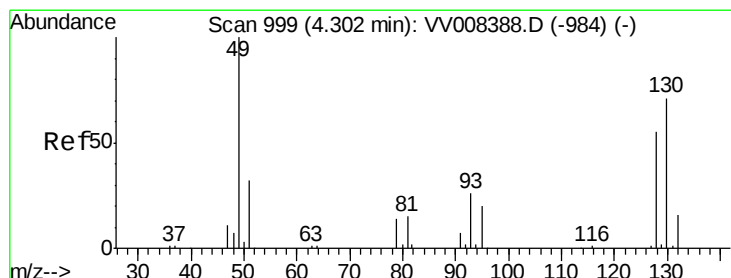
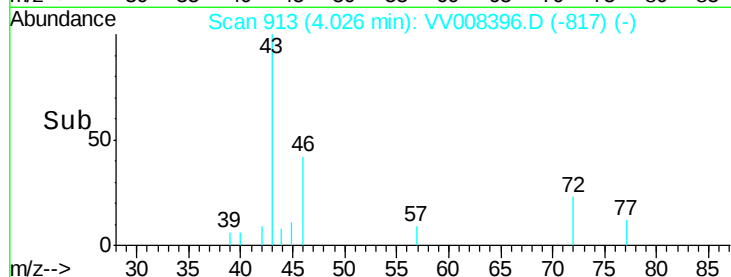
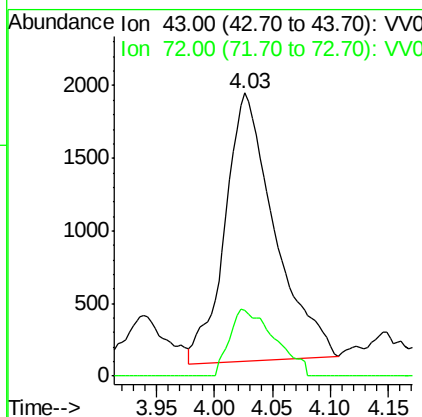
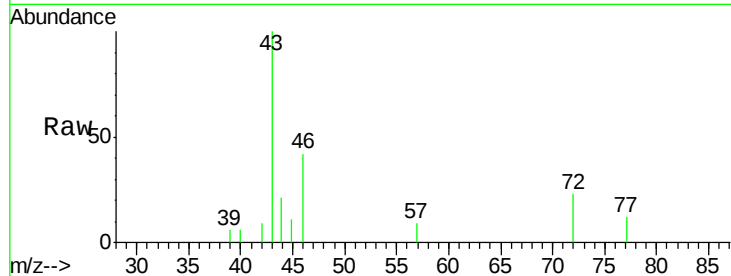
72 11.3 13.0 38.9#

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#23

Bromochloromethane

Concen: 1.661 ug/L m

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion: 128 Resp: 1342

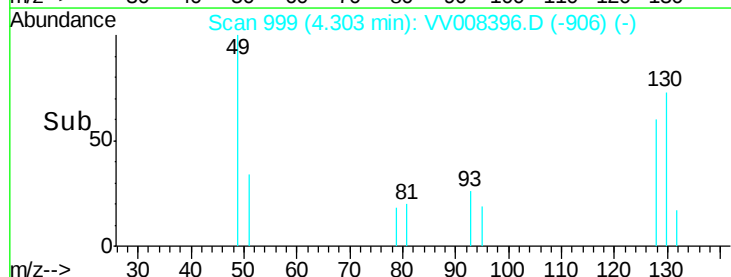
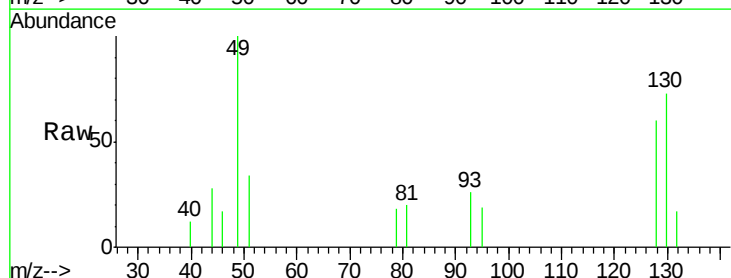
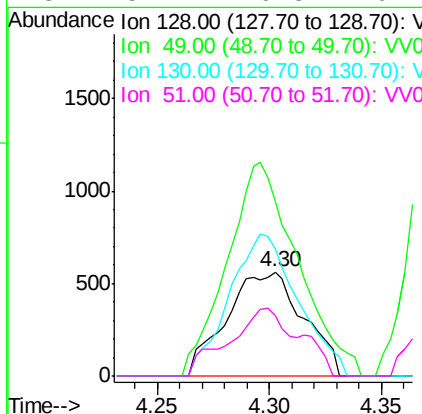
Ion Ratio Lower Upper

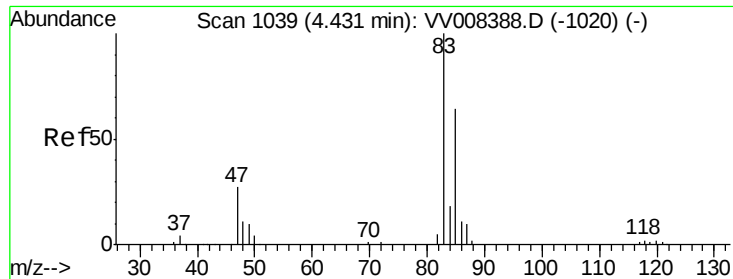
128 100

49 166.6 128.0 237.8

130 122.2 89.2 165.8

51 57.4 46.8 70.2





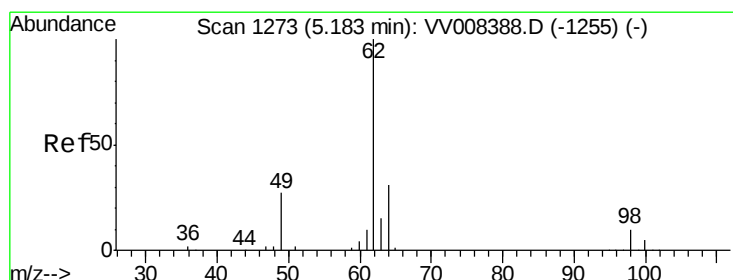
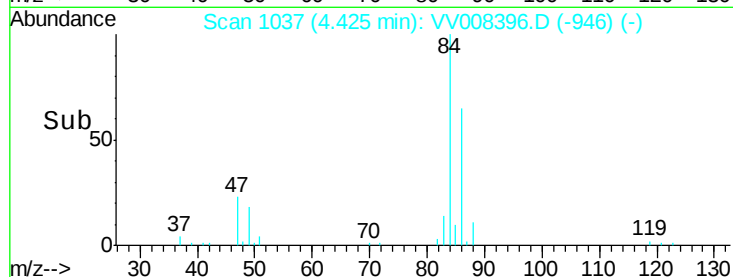
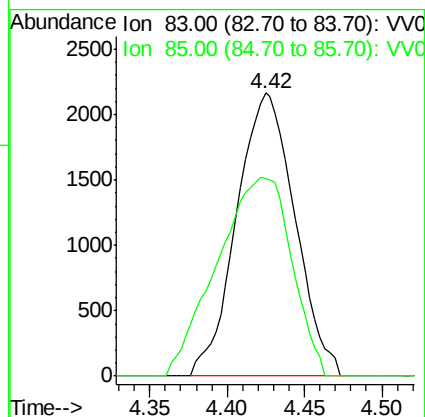
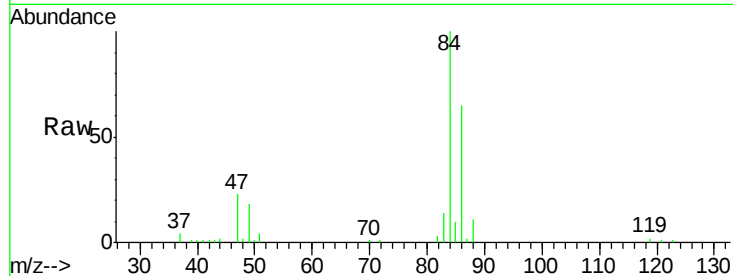
#25
Chloroform
Concen: 1.873 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion: 83 Resp: 5671
Ion Ratio Lower Upper
83 100
85 69.9 45.8 85.2

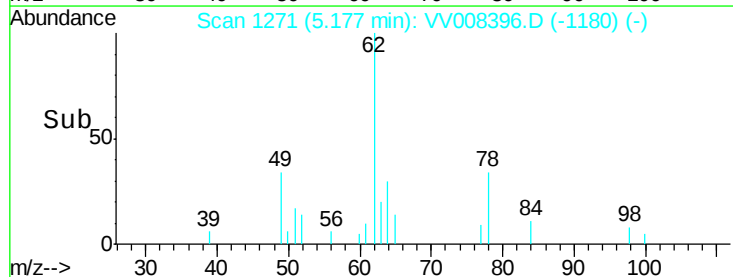
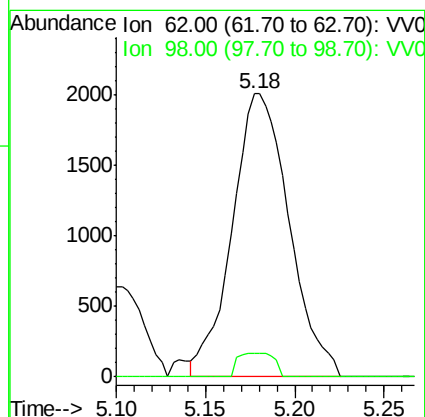
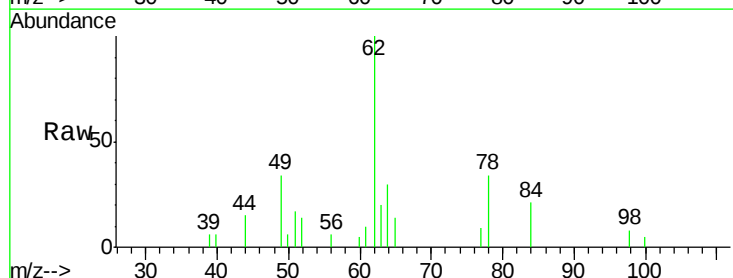
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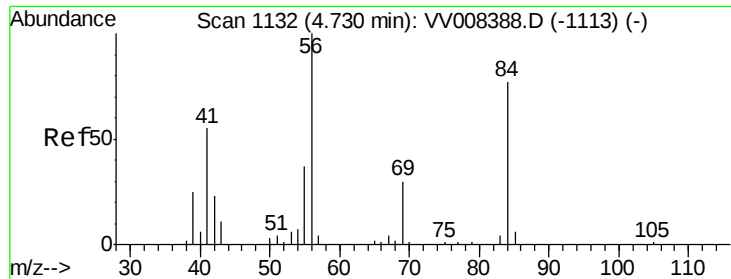
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#27
1,2-Dichloroethane
Concen: 1.768 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion: 62 Resp: 4470
Ion Ratio Lower Upper
62 100
98 8.4 6.6 9.8





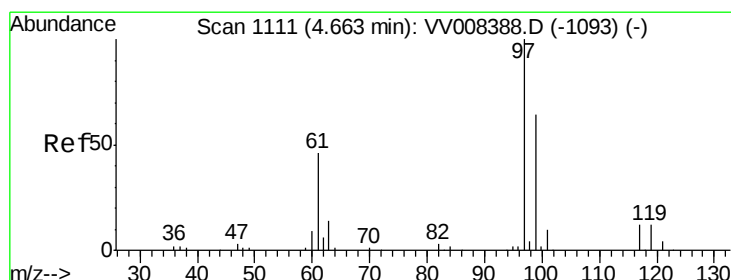
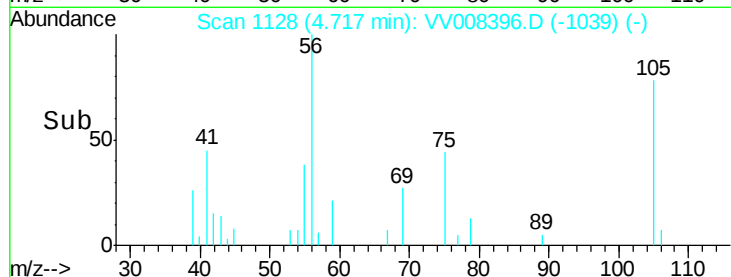
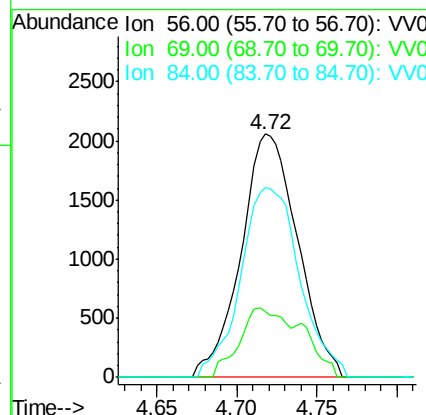
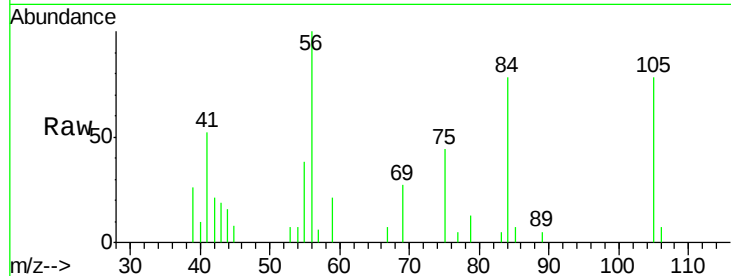
#29
Cyclohexane
Concen: 1.751 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
56	100		
69	22.9	24.6	37.0#
84	81.4	65.0	97.4

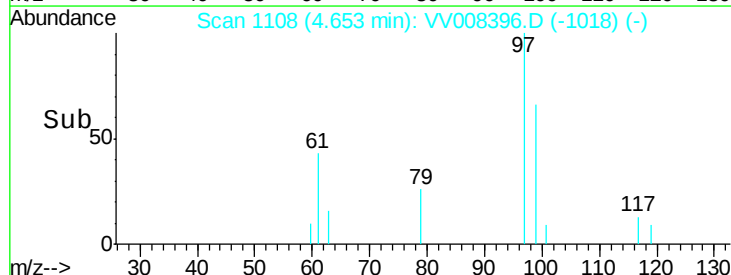
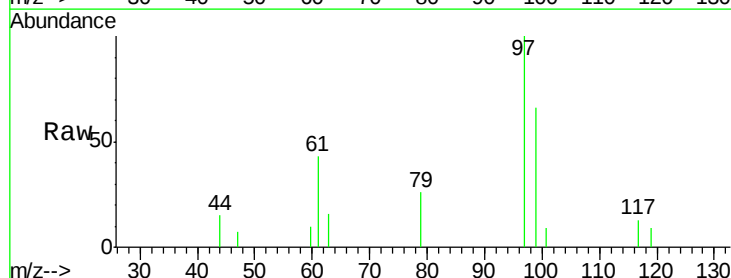
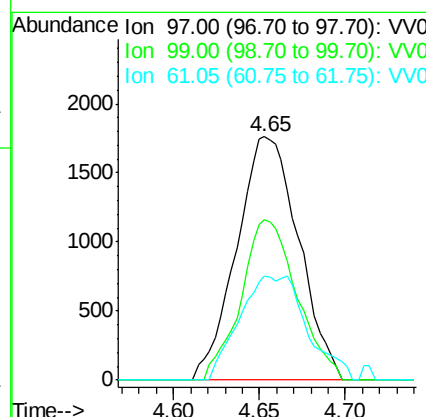
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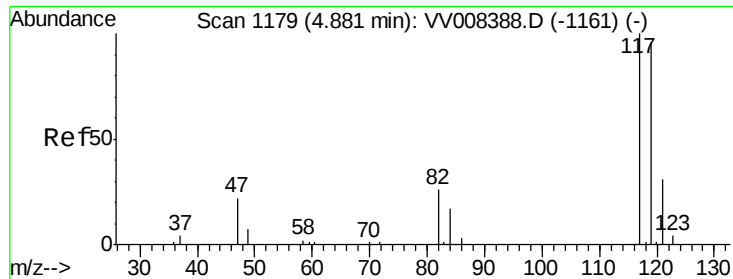
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#30
1,1,1-Trichloroethane
Concen: 1.735 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.5	51.6	77.4
61	26.0	36.5	54.7#





#31

Carbon tetrachloride

Concen: 1.715 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion:117 Resp: 3700

Ion Ratio Lower Upper

117 100

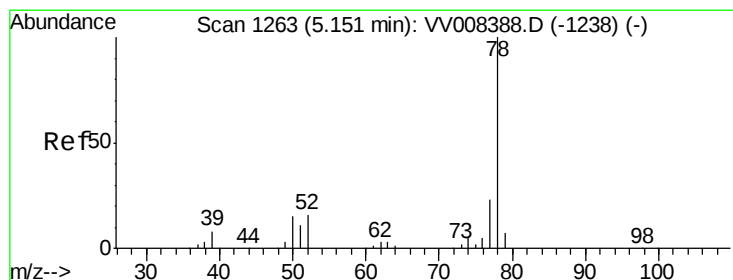
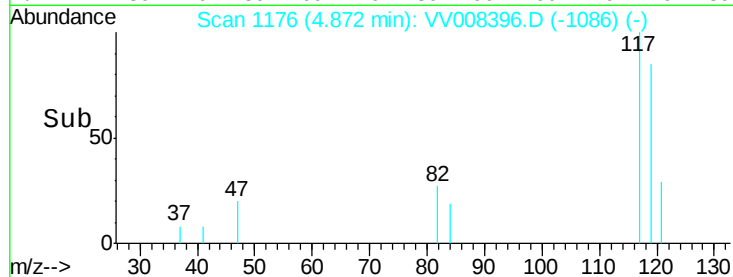
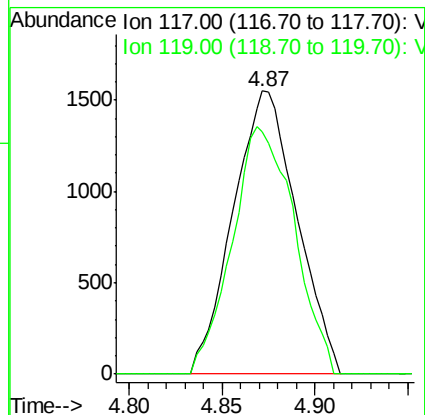
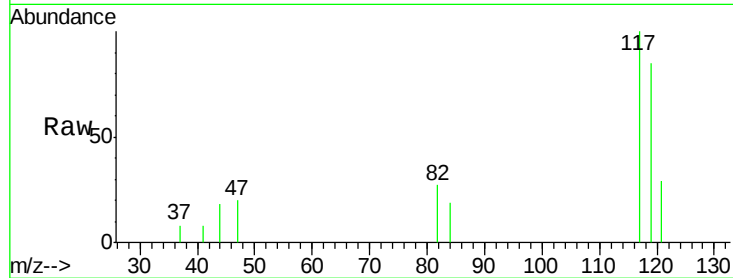
119 85.0 75.8 113.8

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#33

Benzene

Concen: 1.716 ug/L

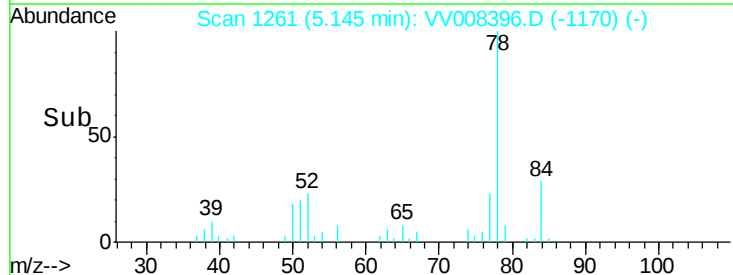
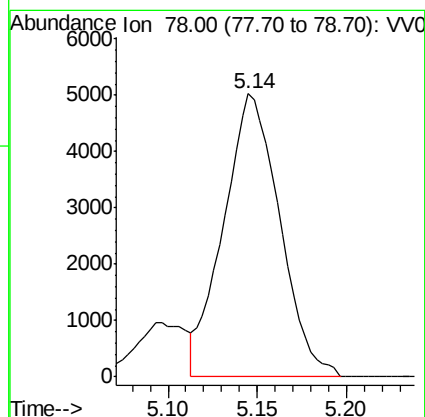
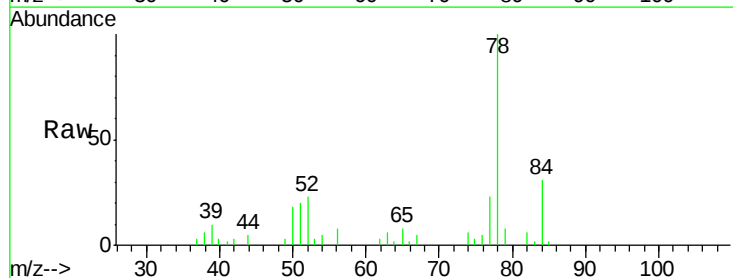
RT: 5.14 min Scan# 1261

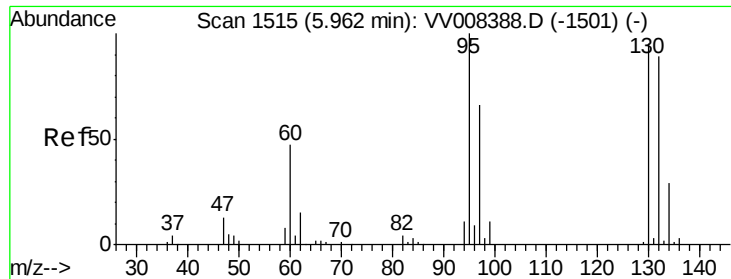
Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion: 78 Resp: 10993





#34

Trichloroethene

Concen: 1.879 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

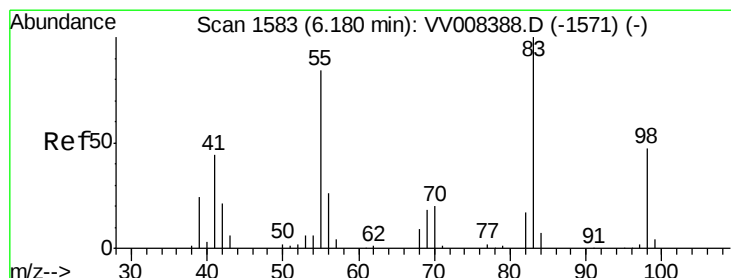
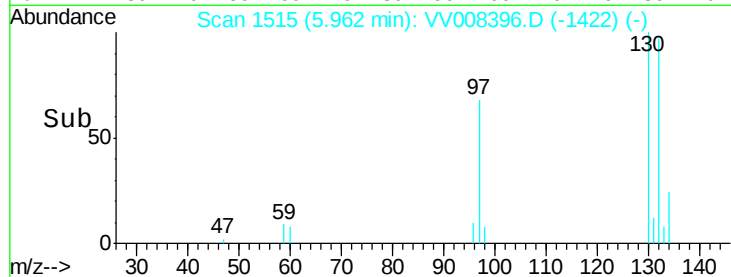
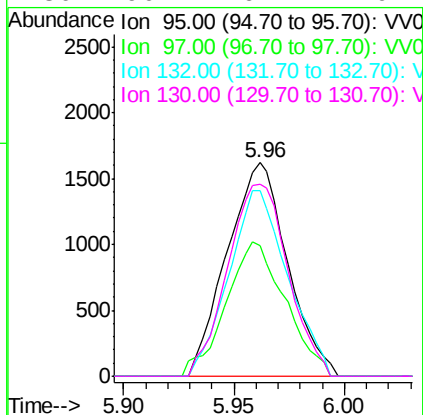
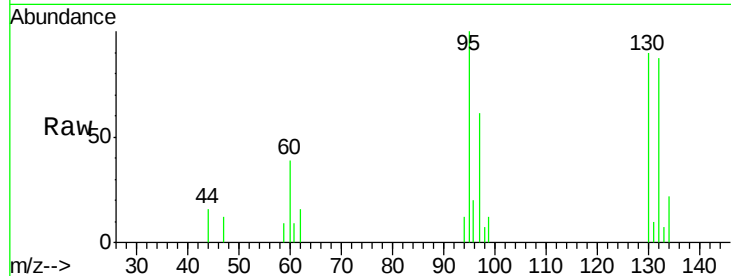
ClientSampled :

MDL07

Tgt Ion:	95	Resp:	3082
Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.2	84.0
132	87.2	63.8	118.6
130	90.2	64.7	120.1

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#35

Methylcyclohexane

Concen: 1.664 ug/L

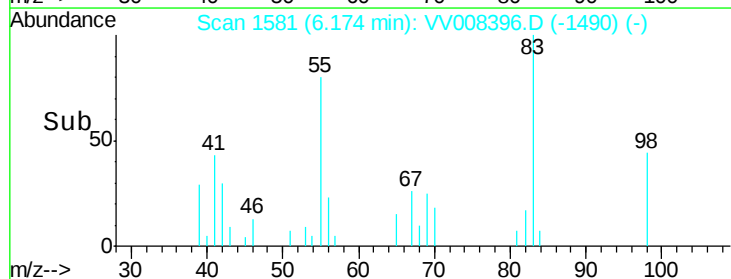
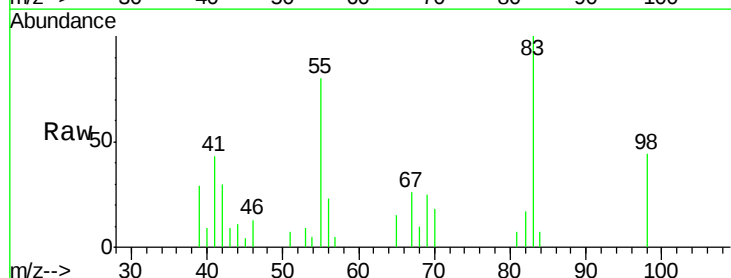
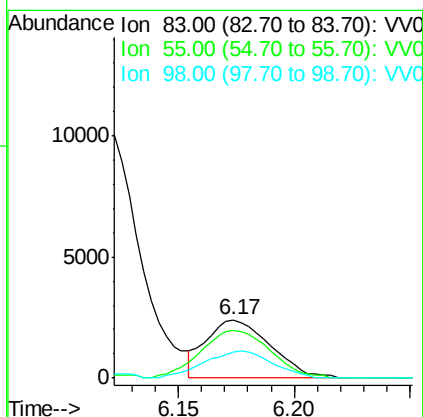
RT: 6.17 min Scan# 1581

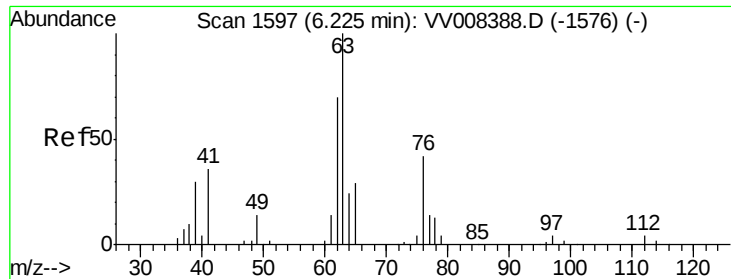
Delta R.T. -0.01 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion:	83	Resp:	4642
Ion	Ratio	Lower	Upper
83	100		
55	88.5	65.0	97.4
98	48.9	36.0	54.0





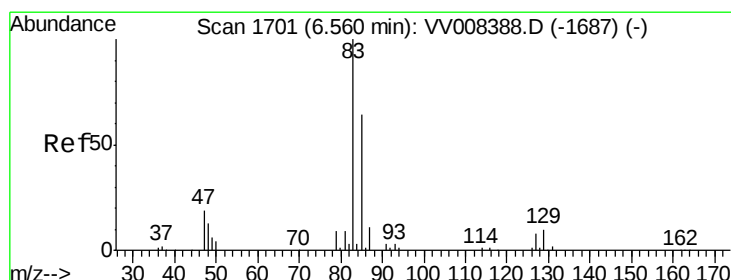
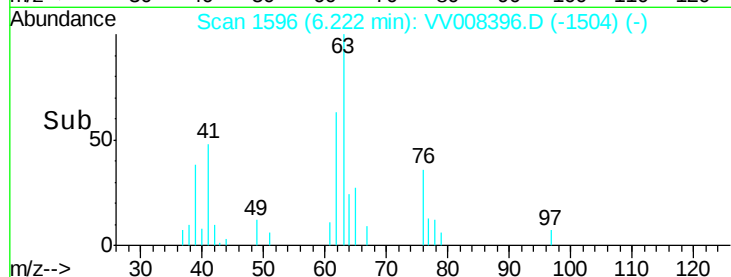
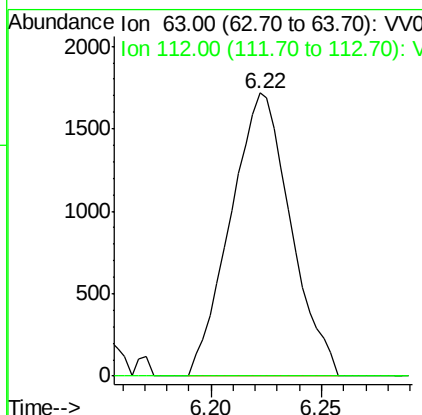
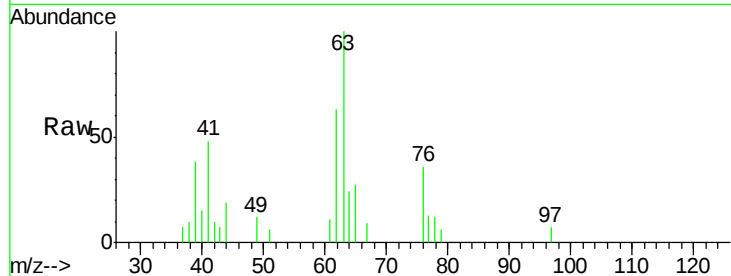
#37
 1,2-Dichloropropane
 Concen: 1.833 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 63 Resp: 3244
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#

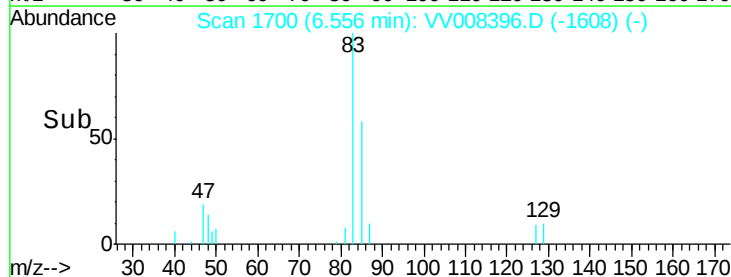
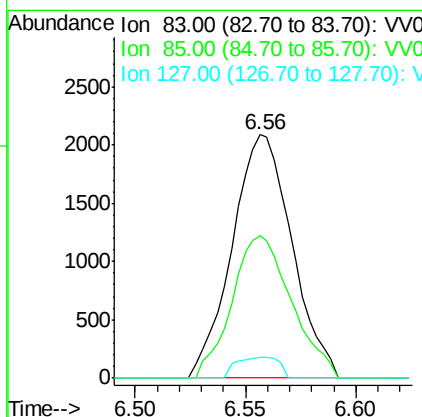
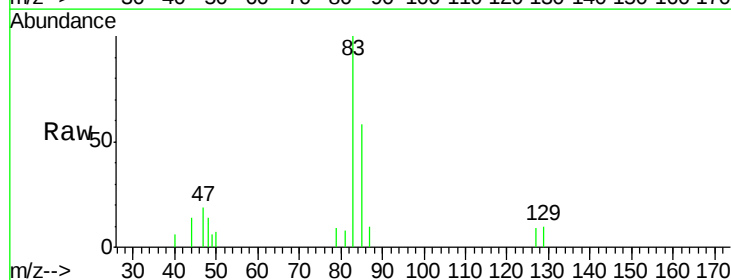
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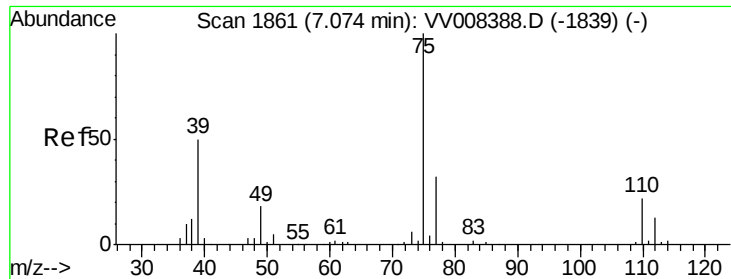
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#38
 Bromodichloromethane
 Concen: 1.745 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion: 83 Resp: 3935
 Ion Ratio Lower Upper
 83 100
 85 58.4 44.3 82.3
 127 8.6 6.3 9.5





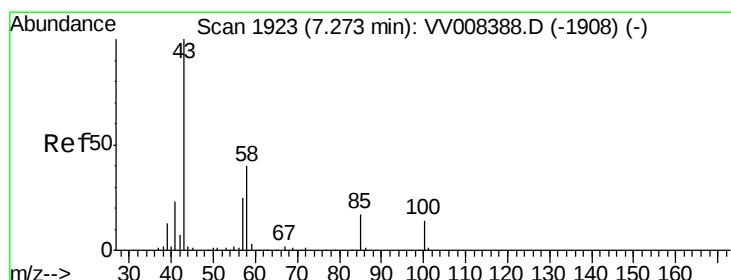
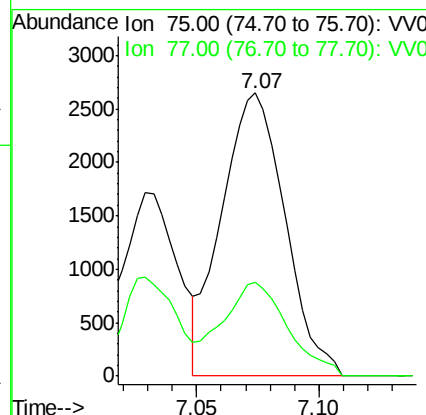
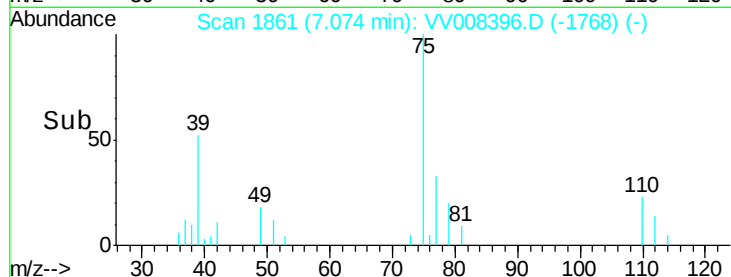
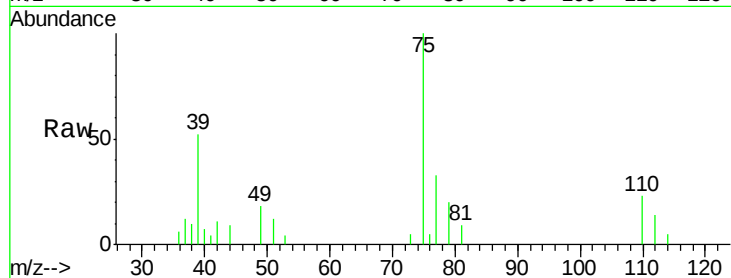
#39
 cis-1,3-Dichloropropene
 Concen: 1.717 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion: 75 Resp: 4778
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.6 42.0

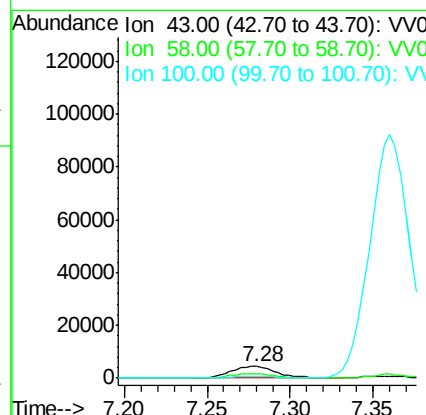
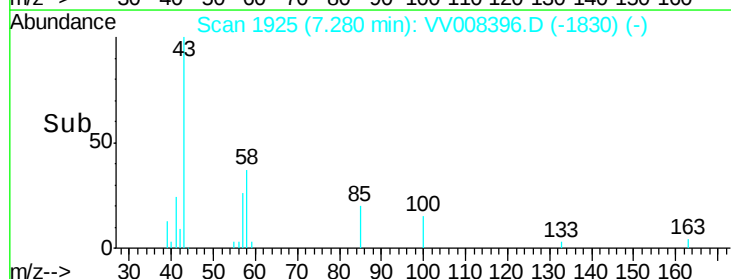
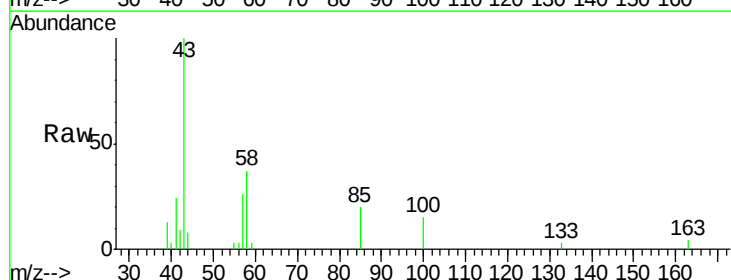
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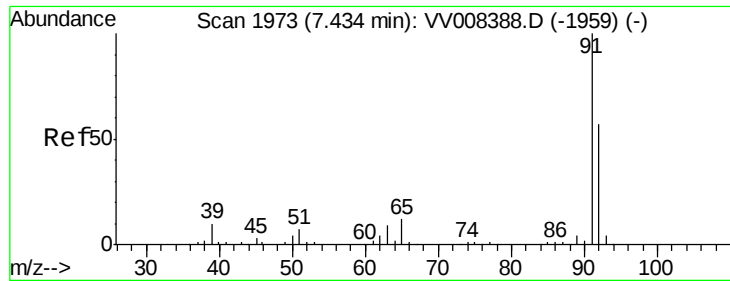
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#40
 4-Methyl-2-pentanone
 Concen: 3.257 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.01 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion: 43 Resp: 8536
 Ion Ratio Lower Upper
 43 100
 58 35.8 30.9 46.3
 100 13.4 10.9 16.3





#42

Toluene

Concen: 1.824 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion: 91 Resp: 12138

Ion Ratio Lower Upper

91 100

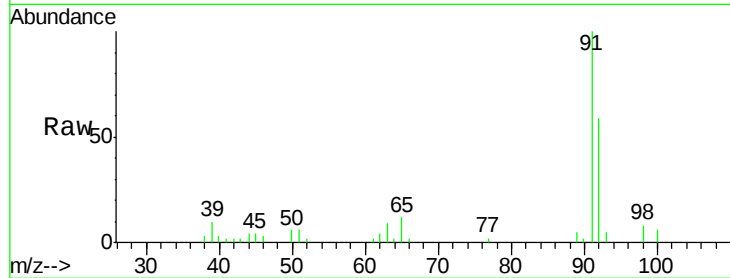
92 59.2 39.5 73.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1959) (-)

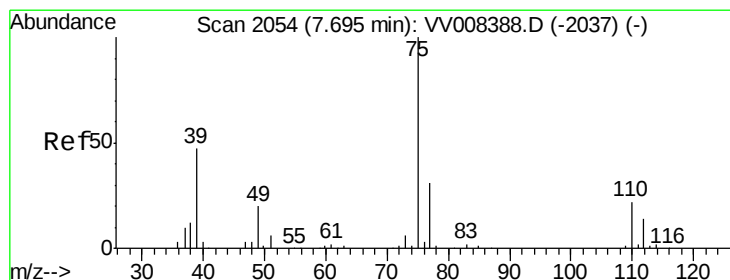
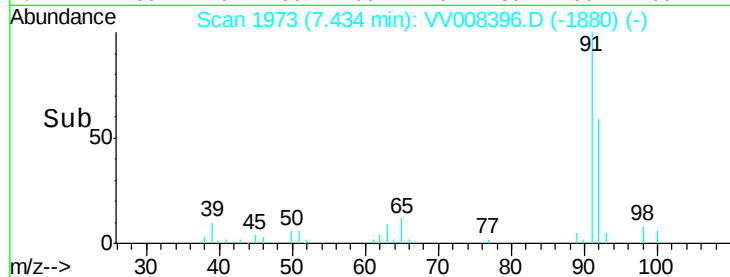
Ion 92.00 (91.70 to 92.70): VV008388.D (-1959) (-)

7.43

7.45

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.877 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008396.D

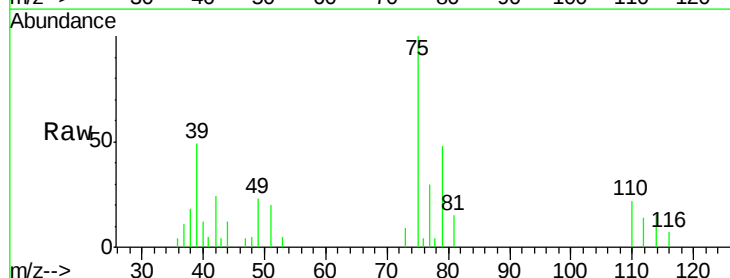
Acq: 24 Oct 2018 17:01

Tgt Ion: 75 Resp: 4885

Ion Ratio Lower Upper

75 100

77 29.9 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2037) (-)

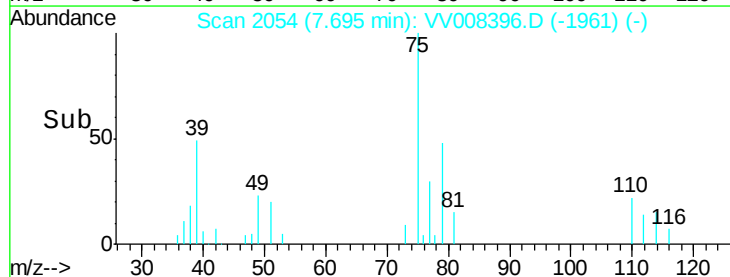
Ion 77.00 (76.70 to 77.70): VV008388.D (-2037) (-)

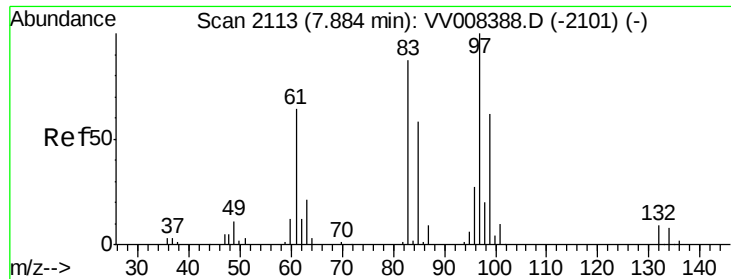
7.69

7.70

7.75

Time-->





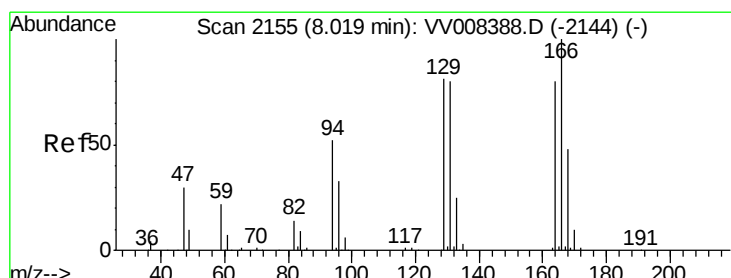
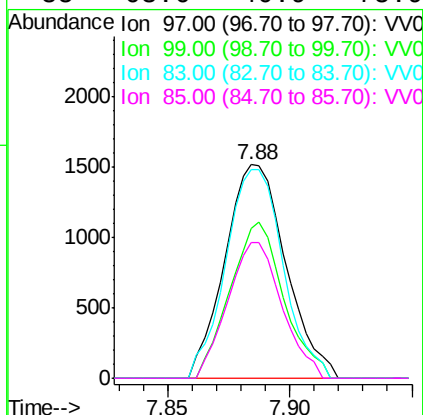
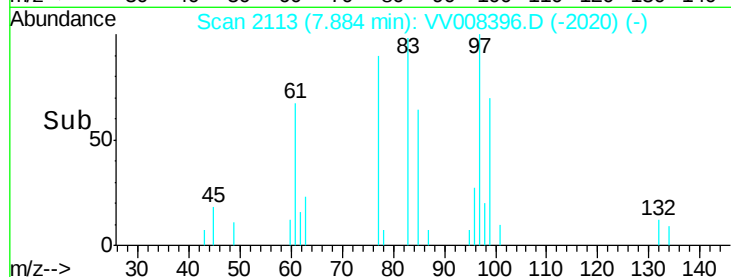
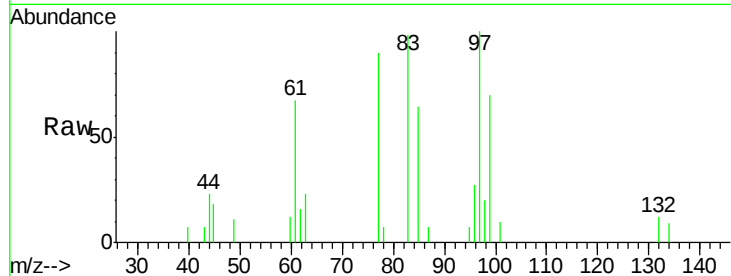
#45
1,1,2-Trichloroethane
Concen: 1.683 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion:	97	Resp:	2634
Ion	Ratio	Lower	Upper
97	100		
99	69.9	43.3	80.3
83	97.8	61.9	114.9
85	63.6	40.9	75.9

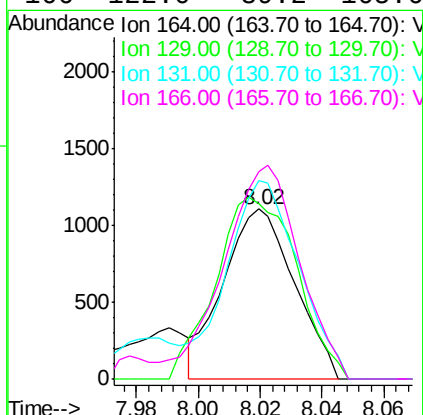
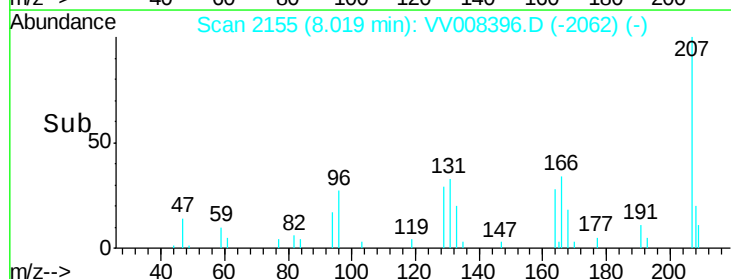
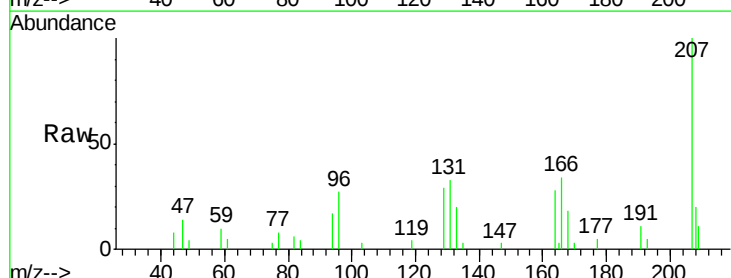
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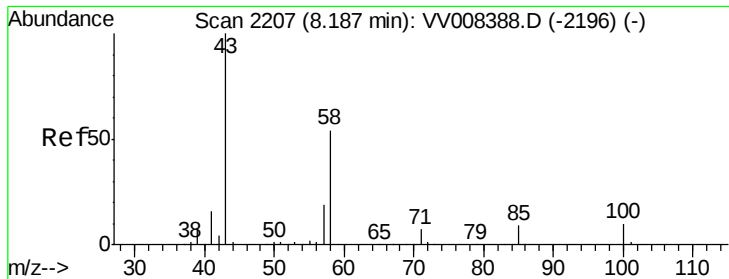
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#46
Tetrachloroethene
Concen: 1.658 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion:	164	Resp:	1773
Ion	Ratio	Lower	Upper
164	100		
129	103.0	75.0	139.2
131	117.2	71.3	132.3
166	122.0	89.2	165.6





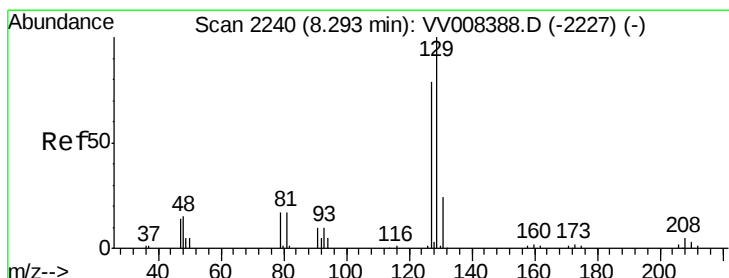
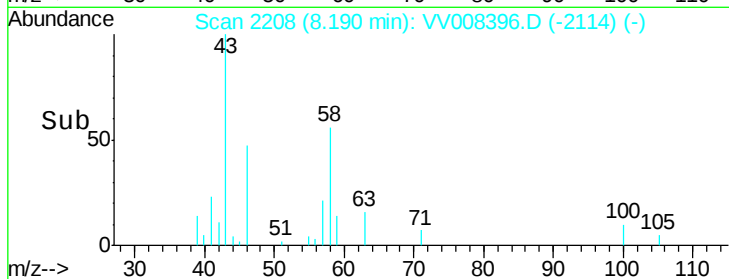
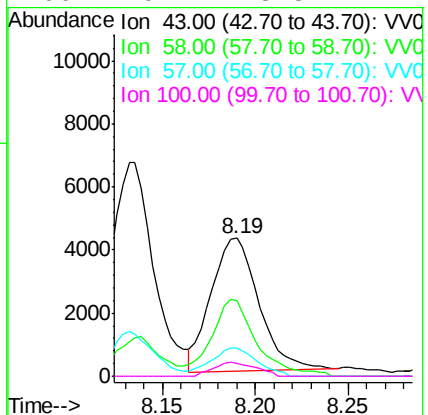
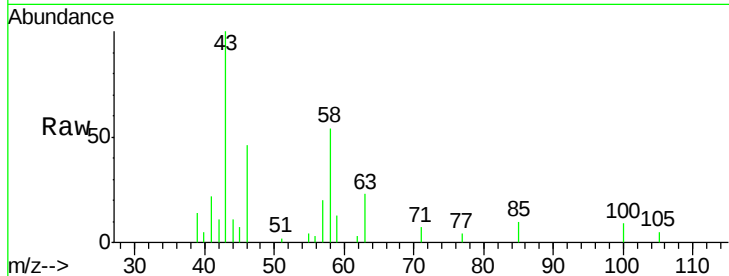
#48
2-Hexanone
Concen: 3.704 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.8	42.6	63.8
57	20.8	14.8	22.2
100	9.2	8.5	12.7

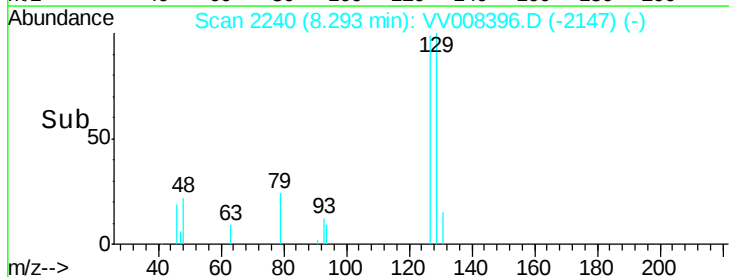
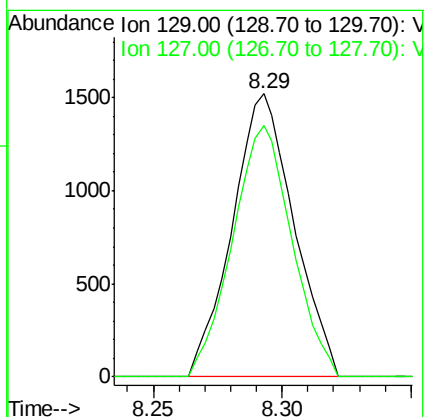
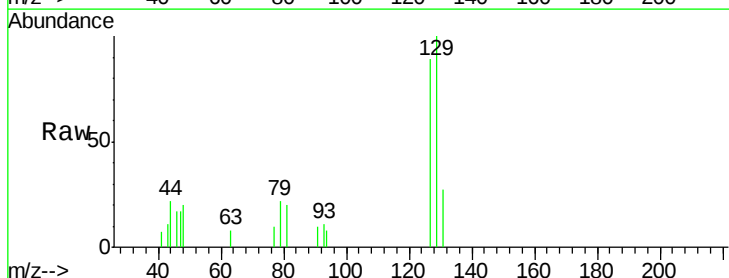
Manual Integrations
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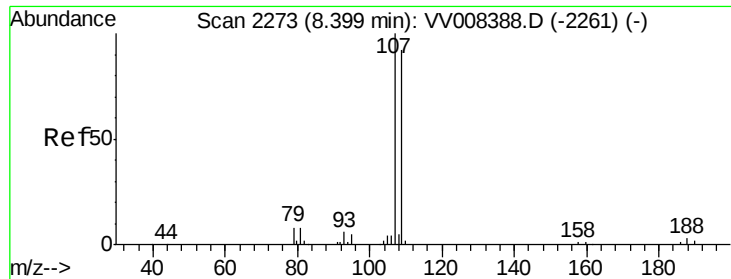
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#49
Dibromochloromethane
Concen: 1.505 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	88.7	54.9	101.9





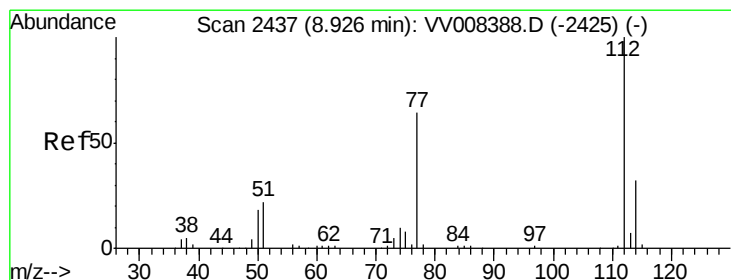
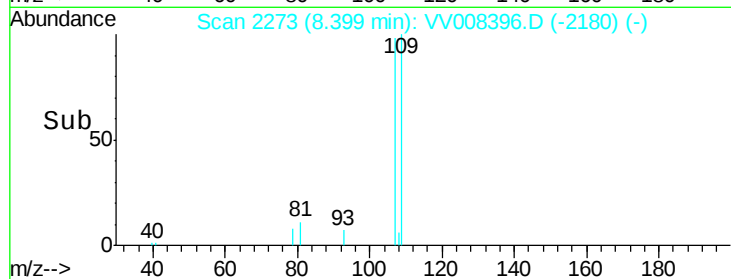
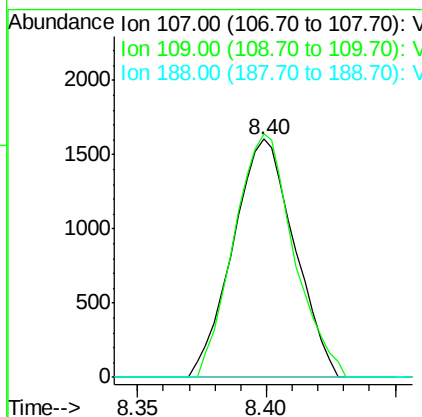
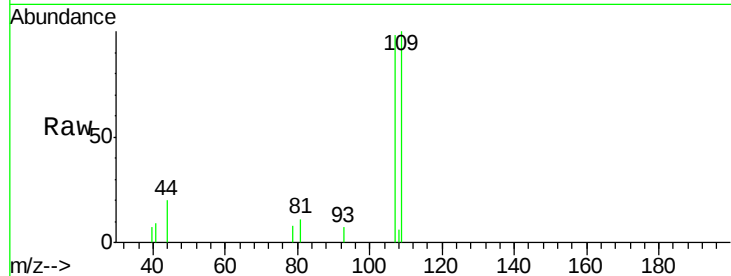
#50
 1,2-Dibromoethane
 Concen: 1.631 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2677		
109	102.1	65.2	121.2	
188	0.0	2.3	3.5#	

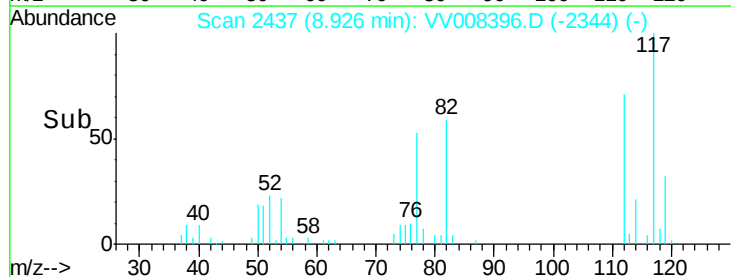
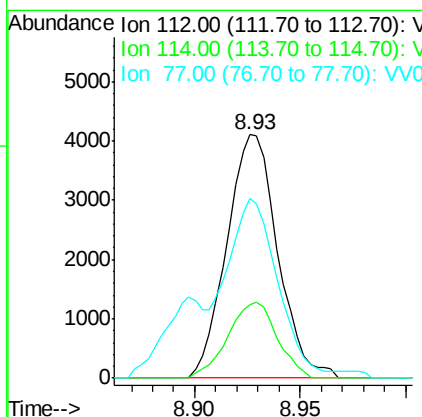
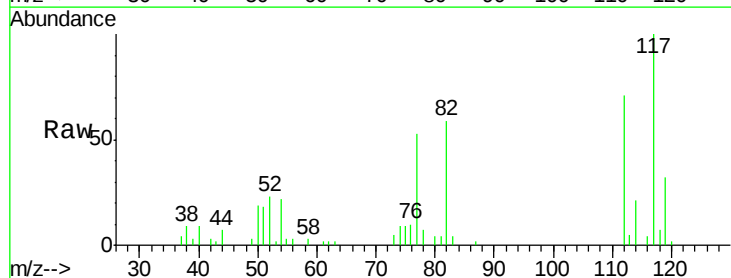
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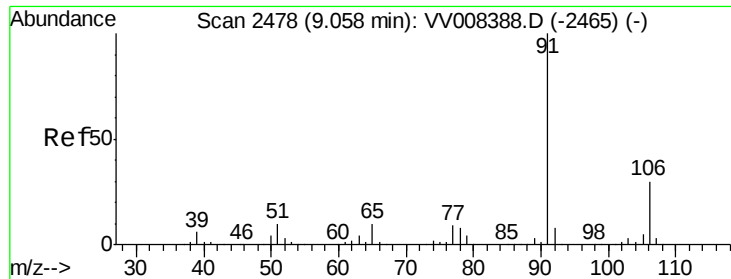
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#51
 Chlorobenzene
 Concen: 1.679 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	6879		
114	30.0	22.5	41.7	
77	73.9	52.0	78.0	





#52

Ethylbenzene

Concen: 1.687 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion: 91 Resp: 12577

Ion Ratio Lower Upper

91 100

106 28.9 21.3 39.5

Instrument :

MSVOA_V

ClientSampleId :

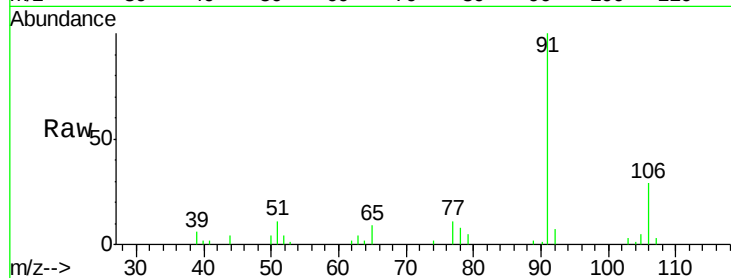
MDL07

Manual Integrations

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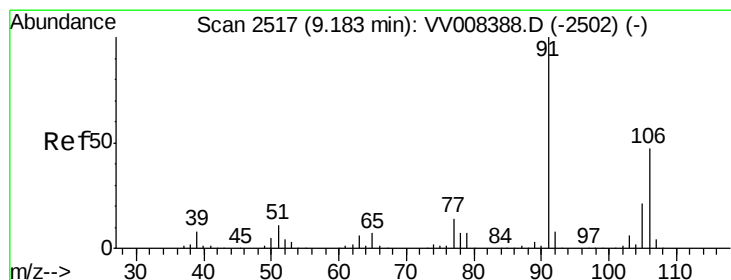
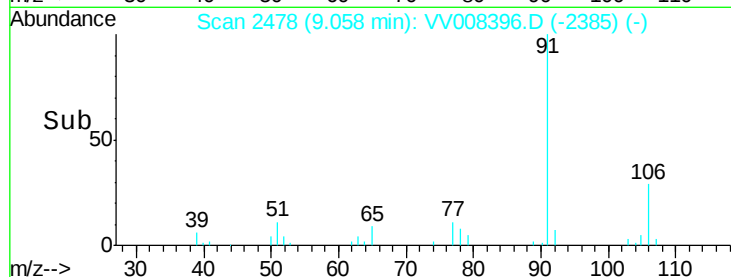
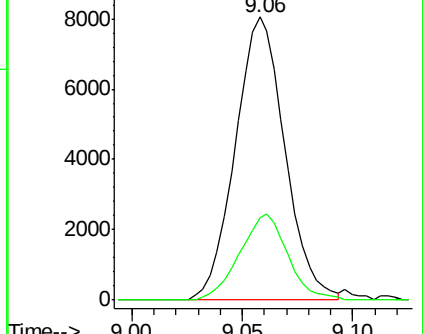
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008388.D (-2465) (-)



#53

m,p-Xylene

Concen: 1.719 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008396.D

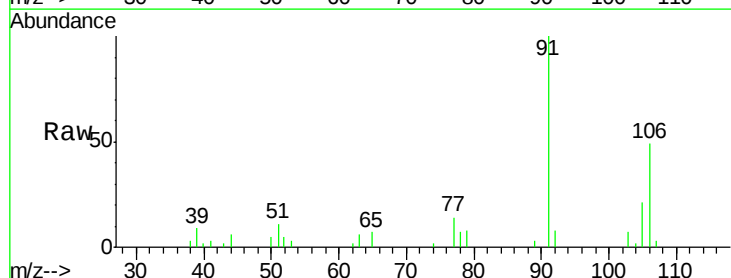
Acq: 24 Oct 2018 17:01

Tgt Ion: 106 Resp: 4682

Ion Ratio Lower Upper

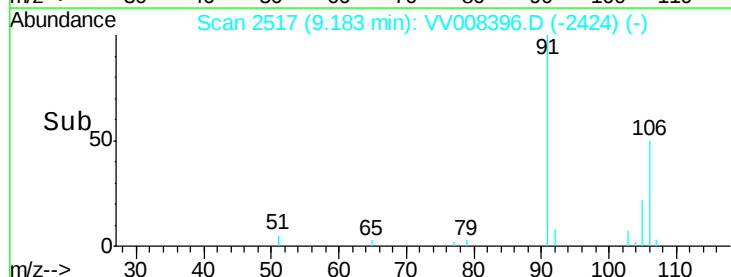
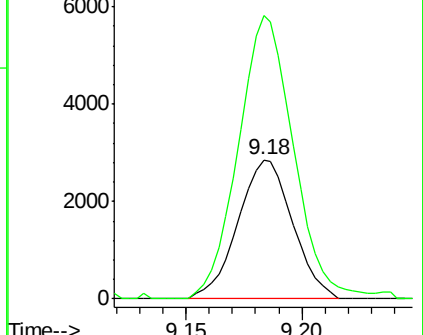
106 100

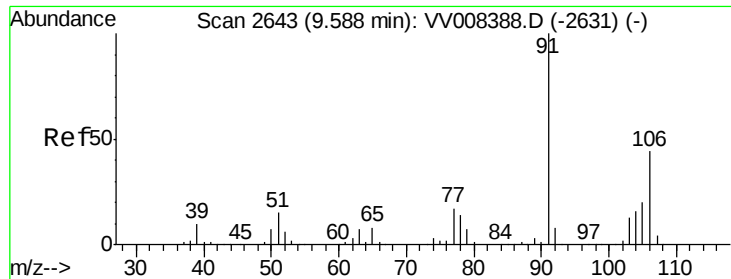
91 203.9 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008388.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV008388.D (-2502) (-)





#54

o-xylene

Concen: 1.684 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

ClientSampled :

MDL07

Tgt Ion:106 Resp: 4581

Ion Ratio Lower Upper

106 100

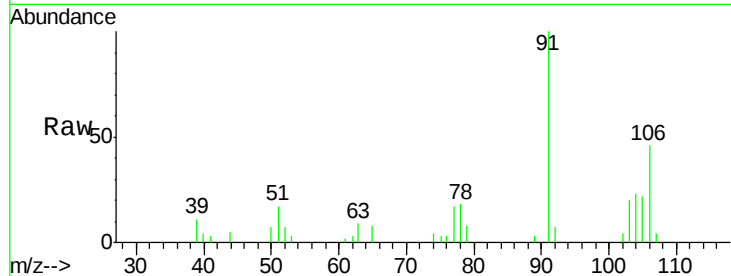
91 216.5 158.7 294.7

Manual Integrations

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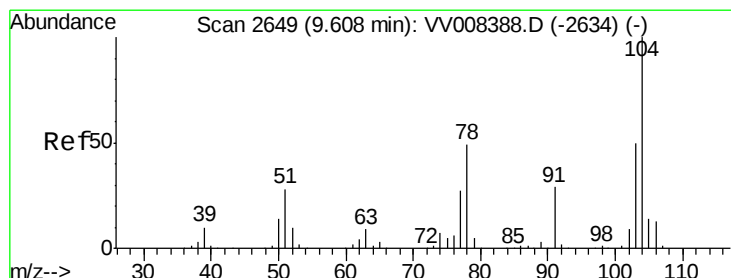
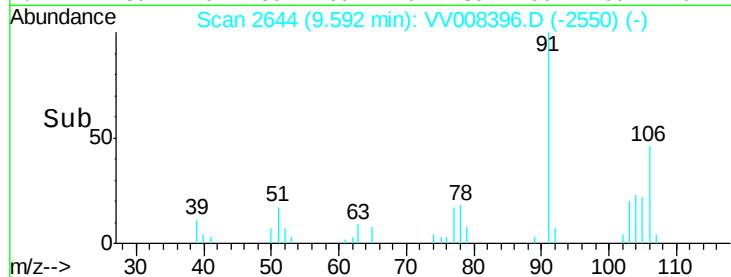
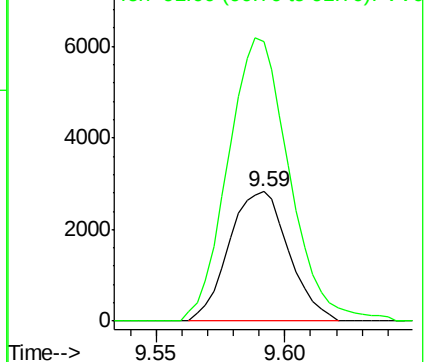
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.525 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008396.D

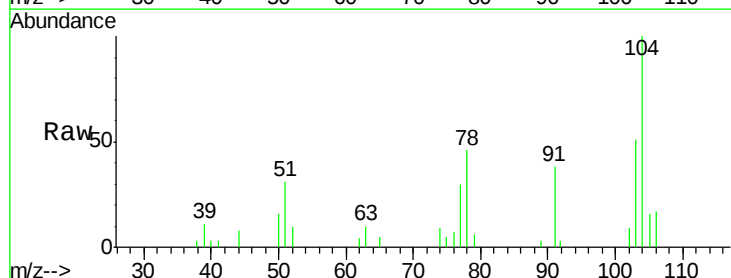
Acq: 24 Oct 2018 17:01

Tgt Ion:104 Resp: 6987

Ion Ratio Lower Upper

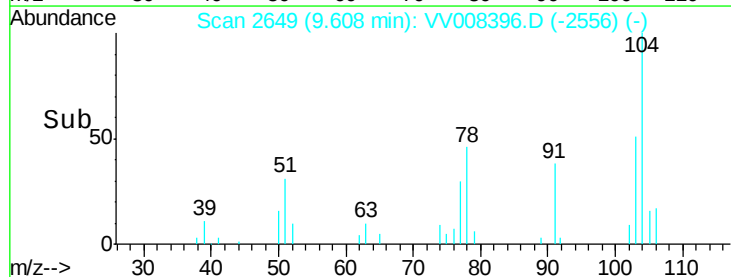
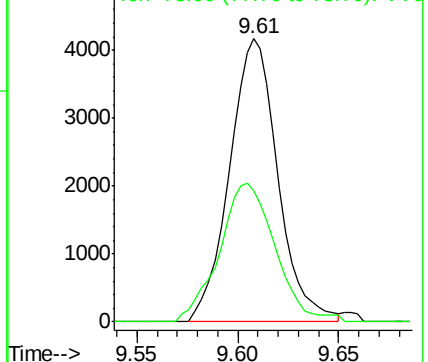
104 100

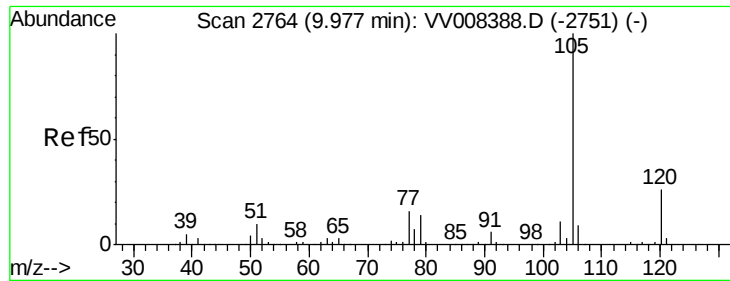
78 46.3 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.574 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

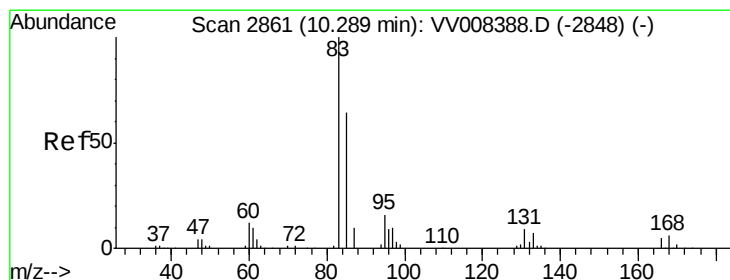
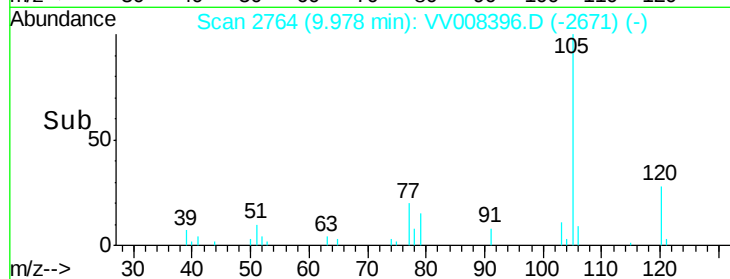
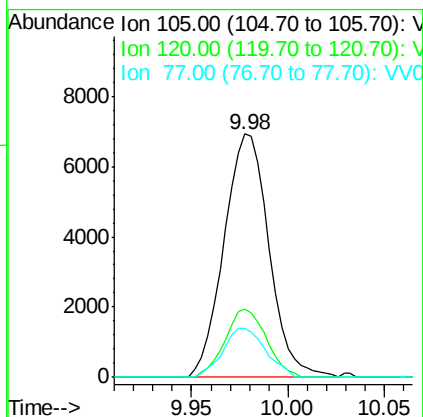
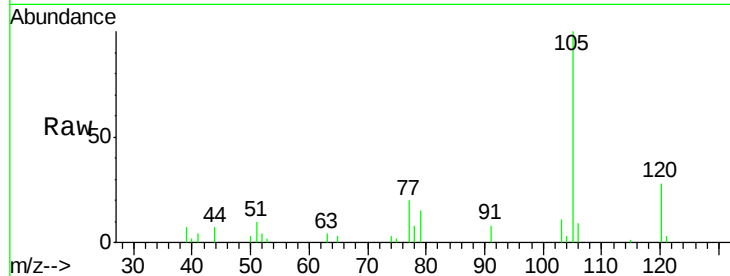
ClientSampleId :

MDL07

Tgt Ion:	105	Resp:	11202
Ion Ratio	Lower	Upper	
105	100		
120	25.7	20.7	31.1
77	19.2	13.5	20.3

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 1.866 ug/L

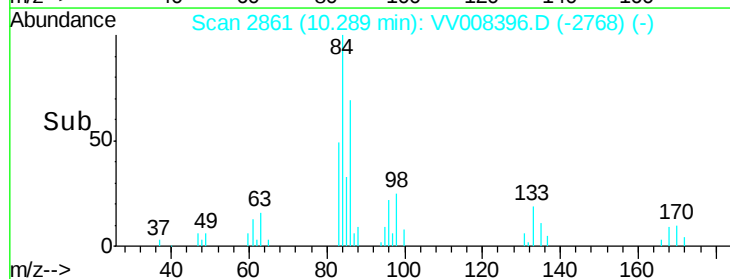
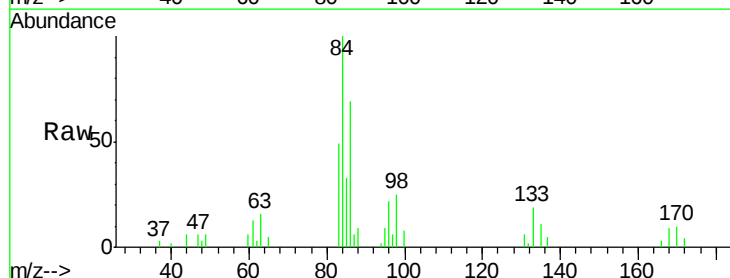
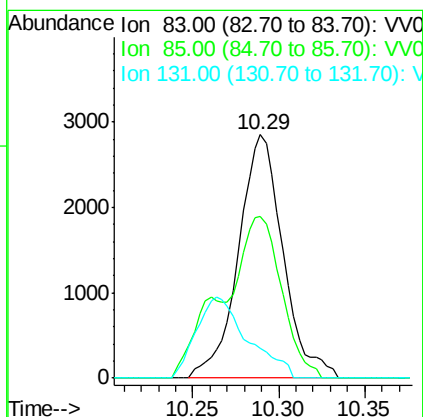
RT: 10.29 min Scan# 2861

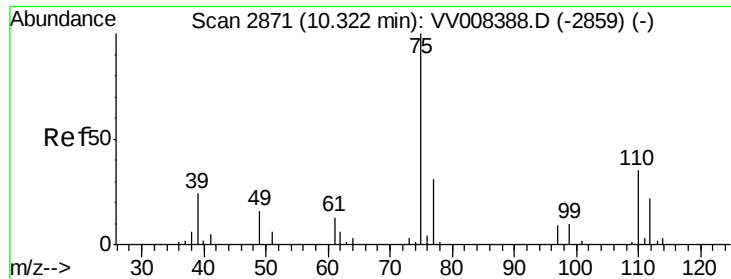
Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion:	83	Resp:	5113
Ion Ratio	Lower	Upper	
83	100		
85	66.2	45.8	85.2
131	12.2	7.3	10.9#





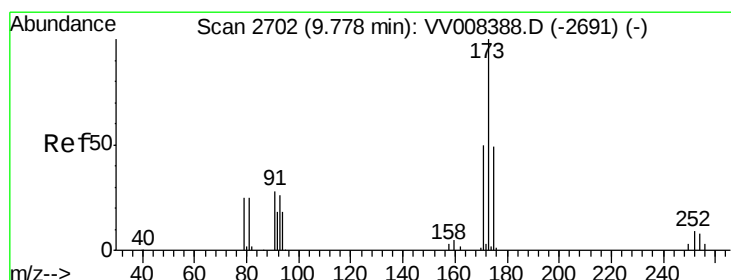
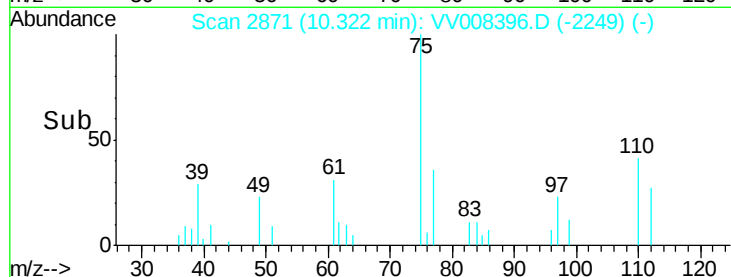
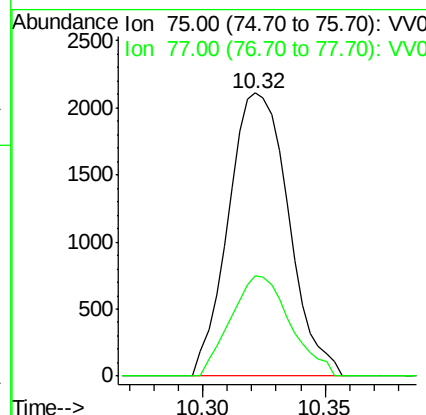
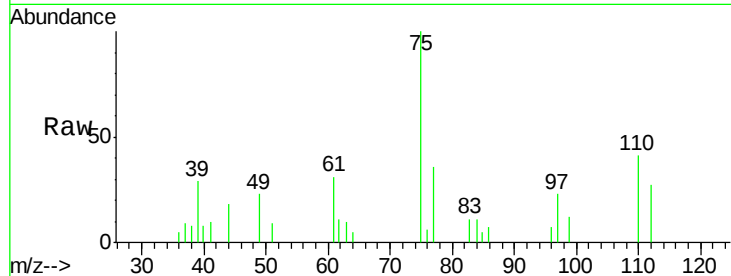
#59
 1,2,3-Trichloropropane
 Concen: 1.625 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampled :
 MDL07

Tgt Ion: 75 Resp: 3603
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.8 38.8

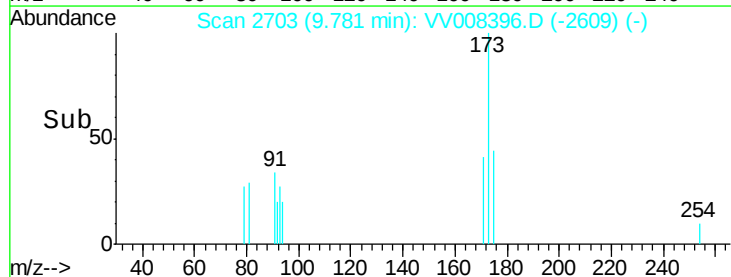
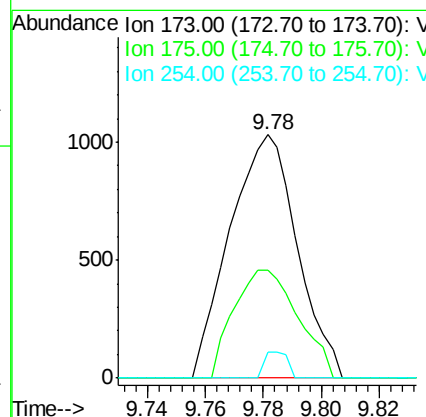
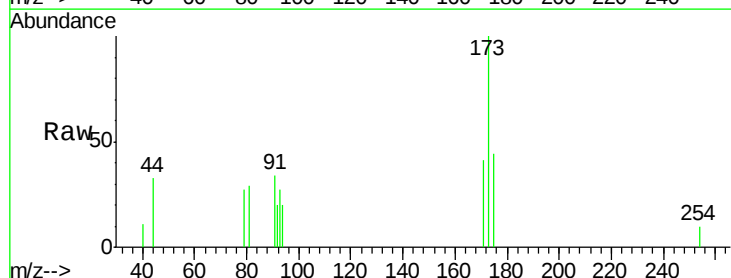
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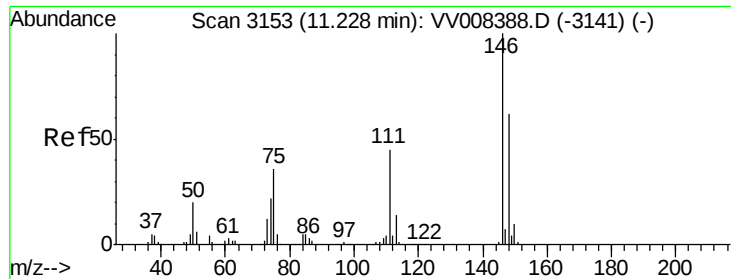
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#61
 Bromoform
 Concen: 1.704 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion: 173 Resp: 1662
 Ion Ratio Lower Upper
 173 100
 175 42.5 38.6 57.8
 254 3.7 5.9 8.9#





#62

1,3-Dichlorobenzene

Concen: 1.733 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

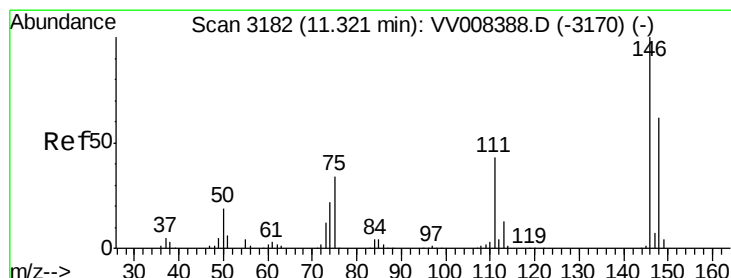
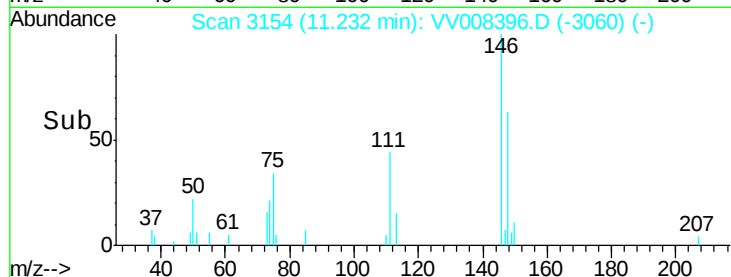
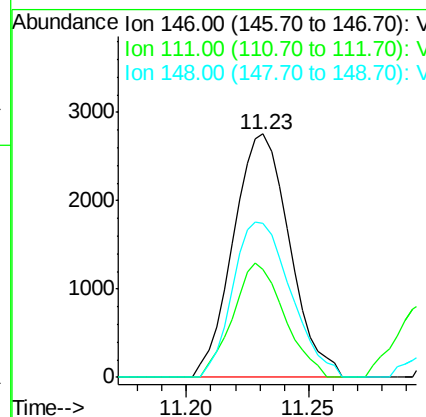
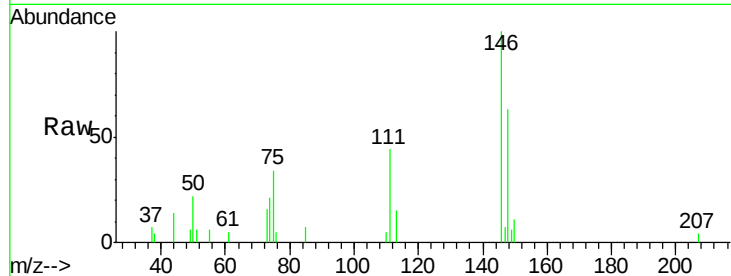
ClientSampled :

MDL07

Tgt Ion:	146	Resp:	4430
Ion Ratio	Lower	Upper	
146	100		
111	44.4	30.9	57.3
148	63.5	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 1.740 ug/L

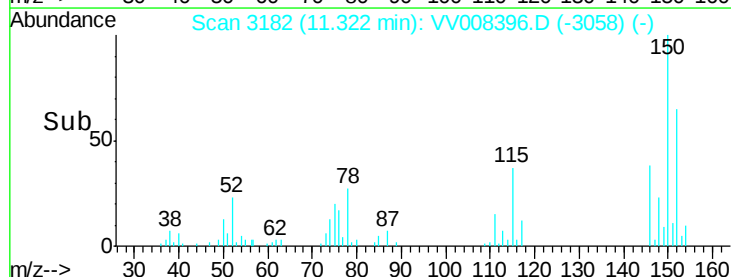
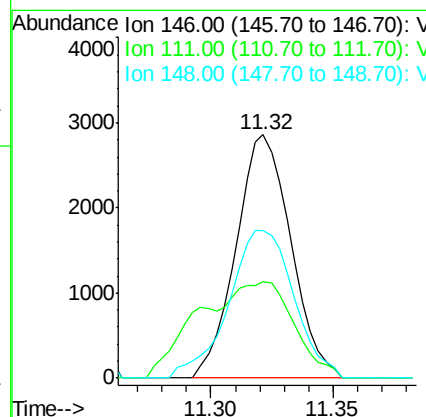
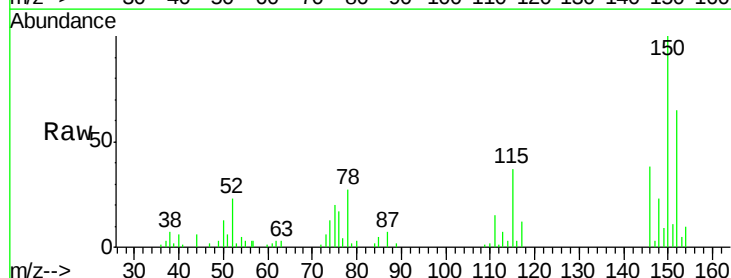
RT: 11.32 min Scan# 3182

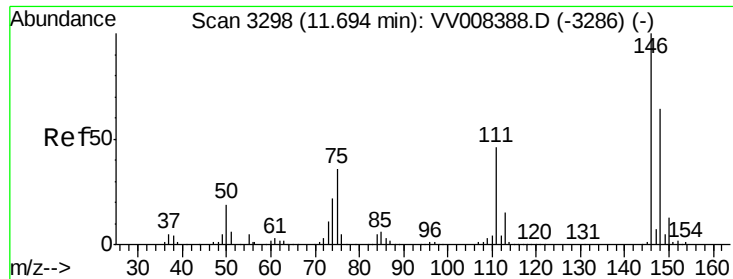
Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion:	146	Resp:	4458
Ion Ratio	Lower	Upper	
146	100		
111	39.4	29.8	55.4
148	60.7	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 1.727 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Instrument :

MSVOA_V

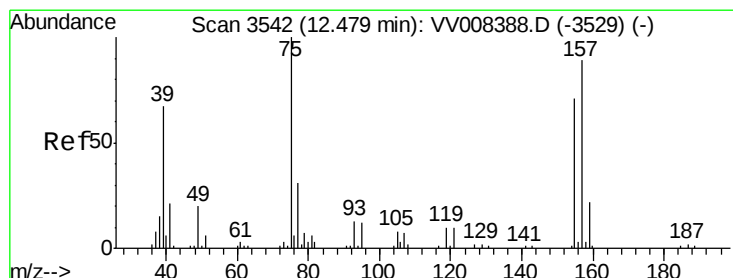
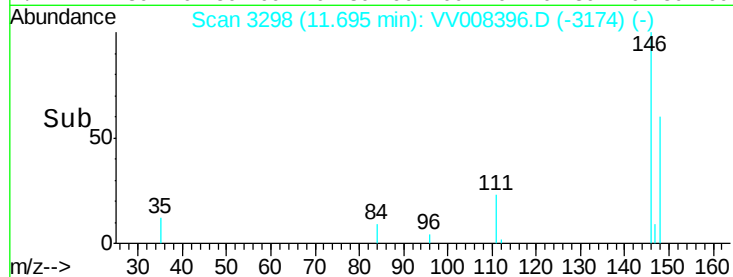
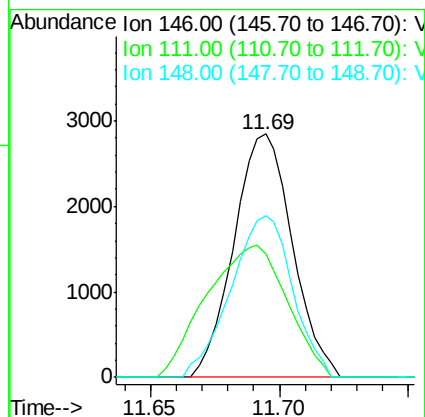
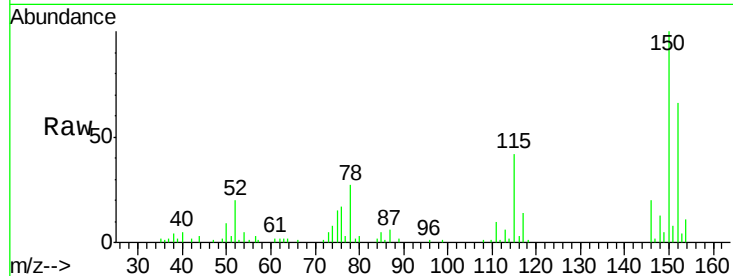
ClientSampled :

MDL07

Tgt Ion:	146	Resp:	4500
Ion Ratio	Lower	Upper	
146	100		
111	50.6	36.2	54.2
148	66.5	50.3	75.5

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.575 ug/L m

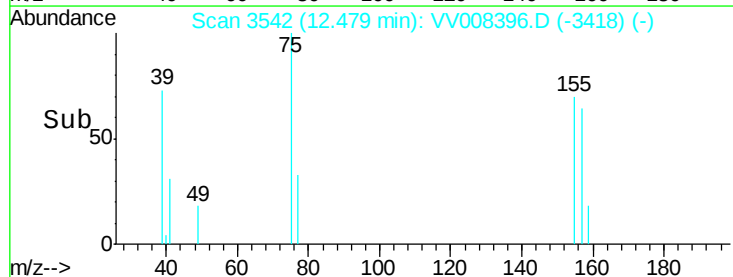
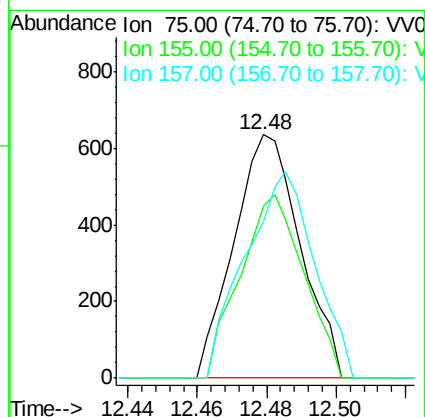
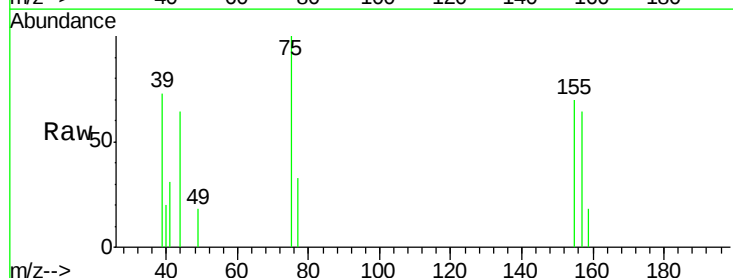
RT: 12.48 min Scan# 3542

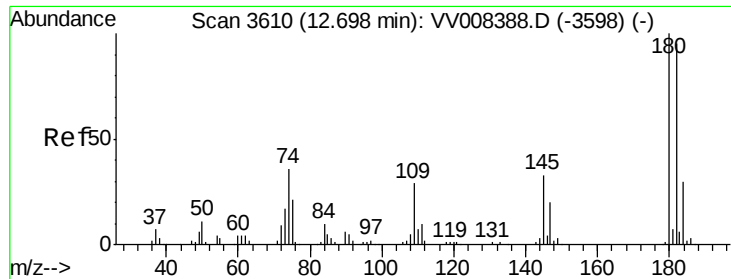
Delta R.T. 0.00 min

Lab File: VV008396.D

Acq: 24 Oct 2018 17:01

Tgt Ion:	75	Resp:	844
Ion Ratio	Lower	Upper	
75	100		
155	70.4	55.4	83.0
157	64.5	72.8	109.2#





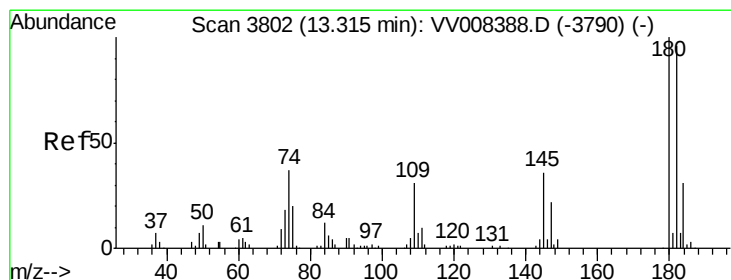
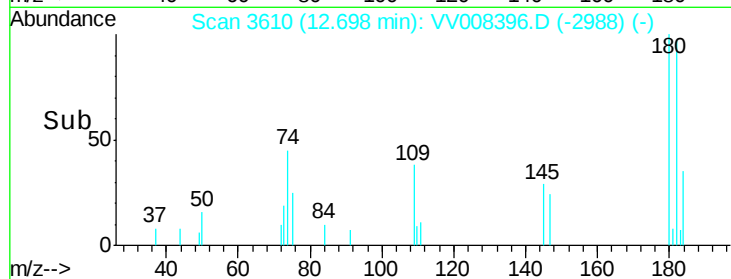
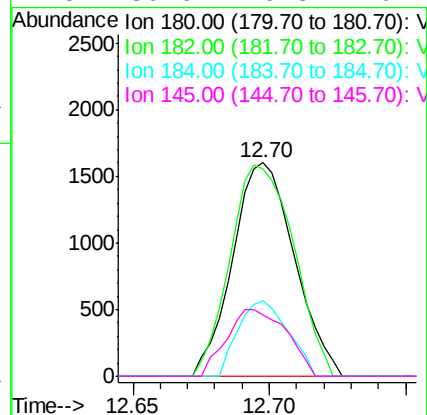
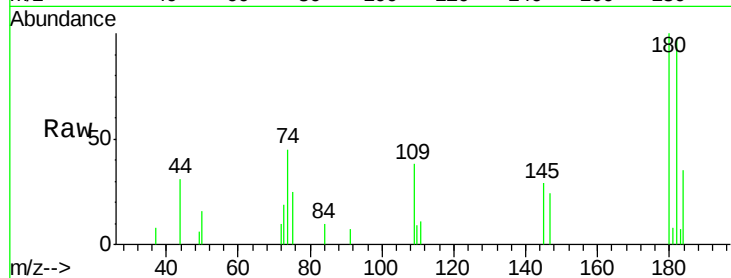
#67
 1,3,5-Trichlorobenzene
 Concen: 1.511 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.7	75.9	113.9
184	28.5	24.1	36.1
145	30.6	26.8	40.2

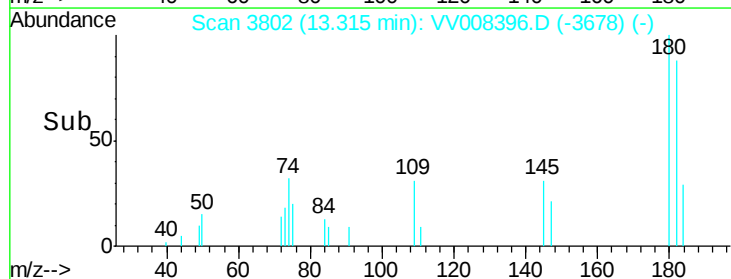
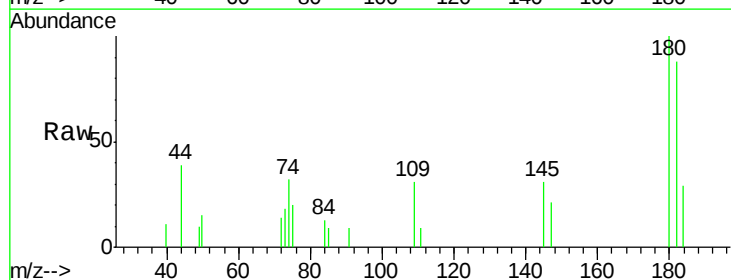
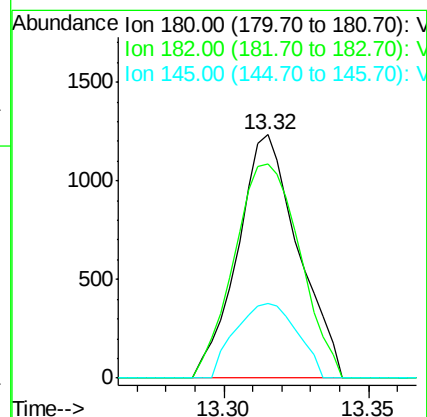
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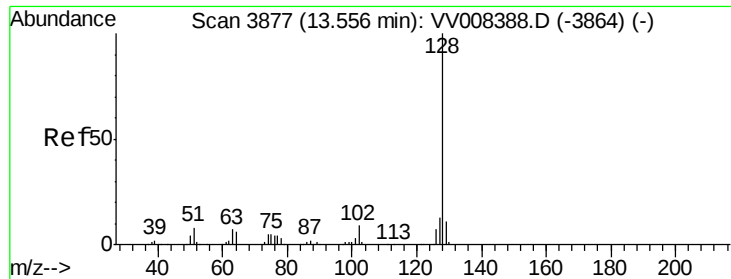
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#68
 1,2,4-trichlorobenzene
 Concen: 1.326 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008396.D
 Acq: 24 Oct 2018 17:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.4	113.2
145	31.2	27.0	40.6





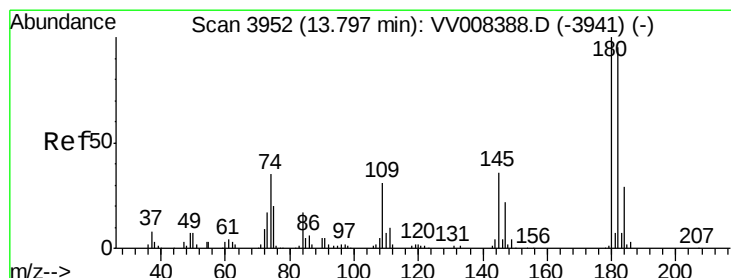
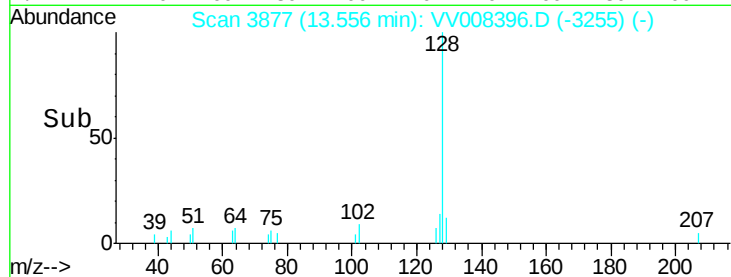
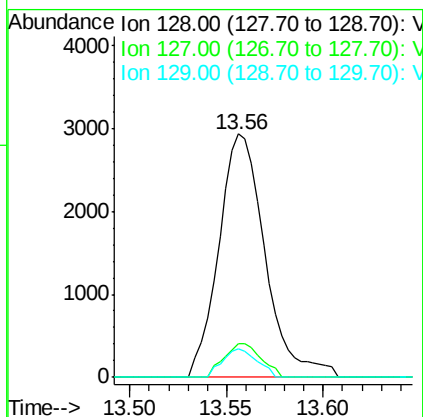
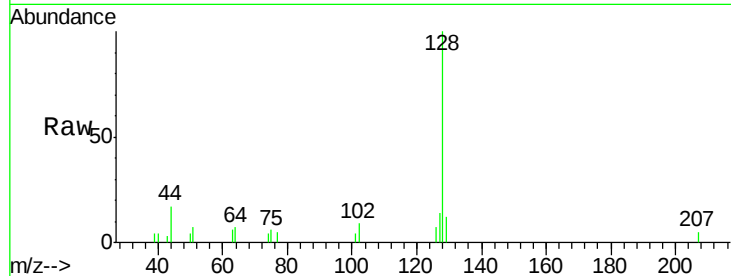
#69
Naphthalene
Concen: 1.118 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.6	15.8
129	8.7	8.9	13.3

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#70
1,2,3-Trichlorobenzene
Concen: 1.359 ug/L
RT: 13.80 min Scan# 3953
Delta R.T. 0.00 min
Lab File: VV008396.D
Acq: 24 Oct 2018 17:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.5	75.7	113.5
145	30.5	28.6	43.0

