

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008394.D
 Acq On : 24 Oct 2018 16:13
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

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 10/25/2018 4:40:51 PM

Quant Time: Oct 25 09:52:11 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	5.67	114	193448	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	173456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74726	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45737	42.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.40%
7) Chloroethane-d5	1.57	69	36541	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.50%
11) 1,1-Dichloroethene-d2	2.13	63	66505	34.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.76%
21) 2-Butanone-d5	3.94	46	116828	100.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.36%
24) Chloroform-d	4.41	84	120879	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.09	65	84875	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.10	84	242762	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
36) 1,2-Dichloropropane-d6	6.12	67	84633	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.66%
41) Toluene-d8	7.36	98	216649	48.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.54%
43) trans-1,3-Dichloropropene-	7.67	79	39659	47.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.16%
47) 2-Hexanone-d5	8.14	63	91269	101.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115325	49.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.26%
64) 1,2-Dichlorobenzene-d4	11.68	152	73834	48.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1755	1.270 ug/L	91
3) Chloromethane	1.25	50	1926	1.302 ug/L	96
5) Vinyl chloride	1.33	62	1739	1.268 ug/L #	43
6) Bromomethane	1.52	94	609	1.619 ug/L	95
8) Chloroethane	1.59	64	1369m	1.901 ug/L	
9) Trichlorofluoromethane	1.77	101	2125	1.204 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1639	1.778 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	1648	1.899 ug/L #	1
13) Acetone	2.19	43	2689	2.976 ug/L	99
14) Carbon disulfide	2.32	76	5210	1.333 ug/L	100
15) Methyl Acetate	2.46	43	2592	1.439 ug/L #	88
16) Methylene chloride	2.54	84	1970	1.310 ug/L	90
17) trans-1,2-Dichloroethene	2.80	96	1878	1.419 ug/L	86
18) Methyl tert-butyl Ether	2.81	73	5750	1.214 ug/L #	91
19) 1,1-Dichloroethane	3.23	63	3332	1.221 ug/L	90
20) cis-1,2-Dichloroethene	3.97	96	1967	1.305 ug/L	91
22) 2-Butanone	4.03	43	3293	2.523 ug/L #	52

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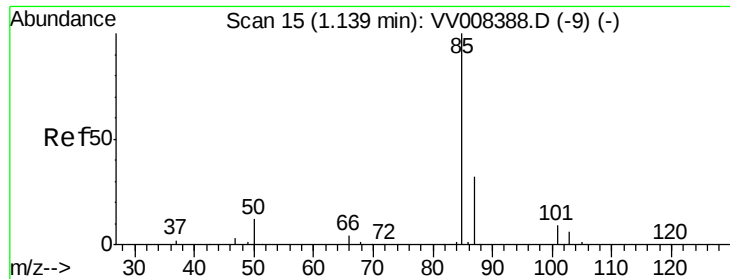
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	859m	1.208	ug/L	
25) Chloroform	4.43	83	3799	1.426	ug/L	94
27) 1,2-Dichloroethane	5.19	62	2924	1.314	ug/L	98
29) Cyclohexane	4.73	56	3348	1.326	ug/L	95
30) 1,1,1-Trichloroethane	4.67	97	2724	1.211	ug/L	93
31) Carbon tetrachloride	4.88	117	2172	1.138	ug/L	88
33) Benzene	5.15	78	7717	1.361	ug/L	100
34) Trichloroethene	5.97	95	2135	1.471	ug/L	86
35) Methylcyclohexane	6.18	83	2853	1.156	ug/L	89
37) 1,2-Dichloropropane	6.23	63	2022	1.291	ug/L #	89
38) Bromodichloromethane	6.56	83	2477	1.241	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	3025	1.229	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	6248	2.694	ug/L #	93
42) Toluene	7.43	91	7681	1.304	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	2682	1.164	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	1595	1.152	ug/L	90
46) Tetrachloroethene	8.02	164	1186	1.253	ug/L	94
48) 2-Hexanone	8.19	43	5433	3.036	ug/L	91
49) Dibromochloromethane	8.30	129	1697	1.141	ug/L	96
50) 1,2-Dibromoethane	8.40	107	1789	1.232	ug/L #	99
51) Chlorobenzene	8.93	112	4441	1.225	ug/L	96
52) Ethylbenzene	9.06	91	7978	1.209	ug/L	100
53) m,p-Xylene	9.19	106	2891	1.199	ug/L	96
54) o-xylene	9.59	106	2801	1.164	ug/L	94
55) Styrene	9.61	104	4902	1.209	ug/L	91
56) Isopropylbenzene	9.98	105	7308	1.161	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	3526	1.454	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2587	1.318	ug/L	99
61) Bromoform	9.78	173	1122	1.190	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	3082	1.247	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	3231	1.305	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	3171	1.259	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	649m	1.253	ug/L	
67) 1,3,5-Trichlorobenzene	13.31	180	1021	0.633	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	1021	0.782	ug/L	97
69) Naphthalene	13.56	128	2802m	0.664	ug/L	
70) 1,2,3-Trichlorobenzene	13.80	180	913	0.700	ug/L	91

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



#2

Dichlorodifluoromethane

Concen: 1.270 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 85 Resp: 1755

Ion Ratio Lower Upper

85 100

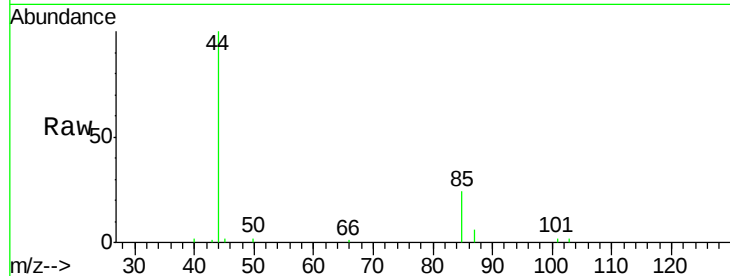
87 27.0 25.4 38.2

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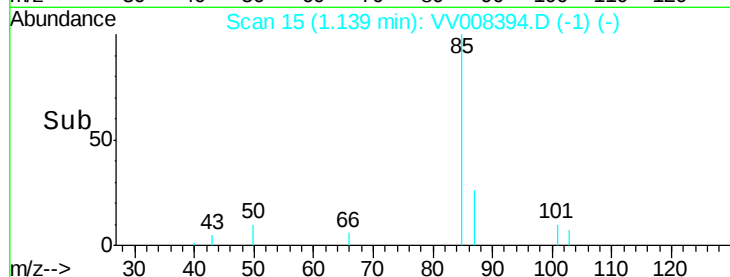


Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-9) (-)

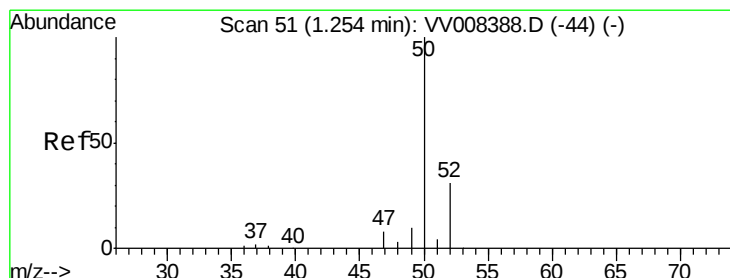
Ion 87.00 (86.70 to 87.70): VV008388.D (-9) (-)

1.14

1.12 1.14 1.16



Time-->



#3

Chloromethane

Concen: 1.302 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV008394.D

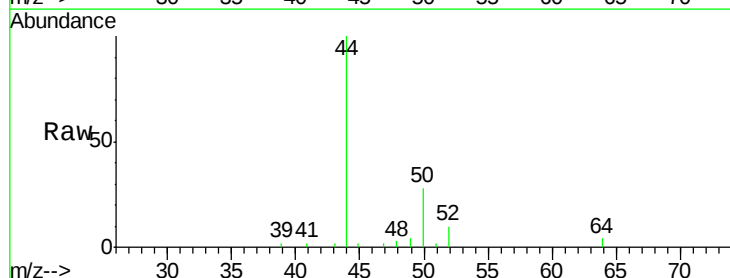
Acq: 24 Oct 2018 16:13

Tgt Ion: 50 Resp: 1926

Ion Ratio Lower Upper

50 100

52 35.5 23.1 42.9

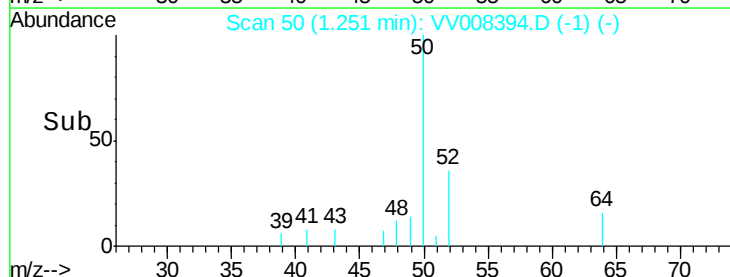


Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-44) (-)

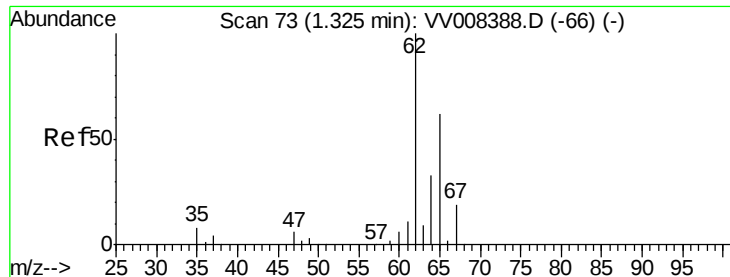
Ion 52.00 (51.70 to 52.70): VV008388.D (-44) (-)

1.25

1.22 1.24 1.26 1.28



Time-->



#5

Vinyl chloride

Concen: 1.268 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 62 Resp: 1739

Ion Ratio Lower Upper

62 100

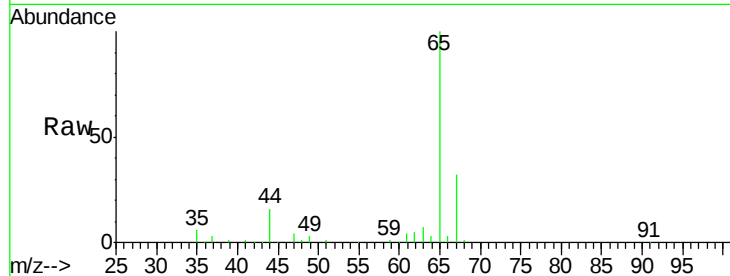
64 67.9 24.4 45.4#

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Abundance Ion 62.00 (61.70 to 62.70): VV008388.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008394.D (-1) (-)

1.33

1.32

1.34

1.35

1.36

1.37

1.38

1.39

1.40

1.41

1.42

1.43

1.44

1.45

1.46

1.47

1.48

1.49

1.50

1.51

1.52

1.53

1.54

1.55

1.56

1.57

1.58

1.59

1.60

1.61

1.62

1.63

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

1.74

1.75

1.76

1.77

1.78

1.79

1.80

1.81

1.82

1.83

1.84

1.85

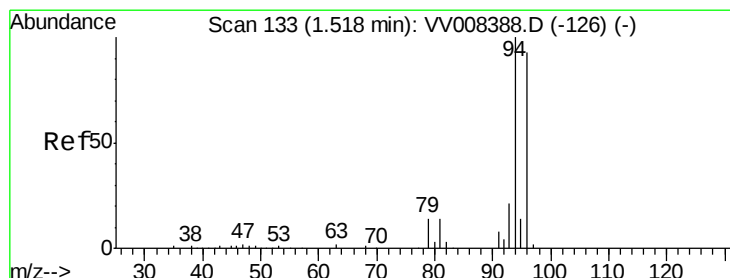
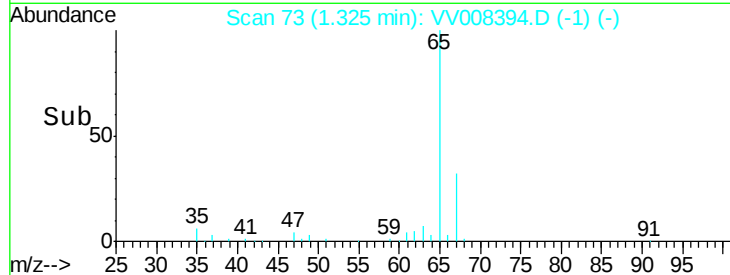
1.86

1.87

1.88

1.89

1.90



#6

Bromomethane

Concen: 1.619 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008394.D

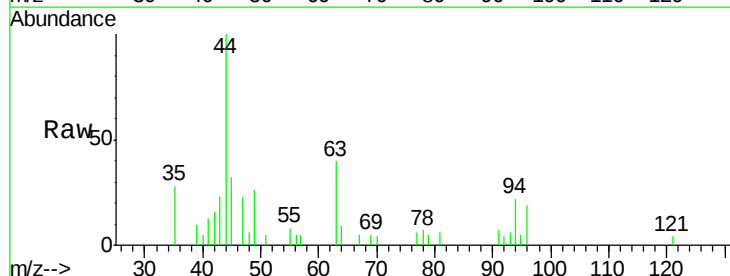
Acq: 24 Oct 2018 16:13

Tgt Ion: 94 Resp: 609

Ion Ratio Lower Upper

94 100

96 86.5 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008388.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008394.D (-40) (-)

1.52

1.51

1.53

1.54

1.55

1.56

1.57

1.58

1.59

1.60

1.61

1.62

1.63

1.64

1.65

1.66

1.67

1.68

1.69

1.70

1.71

1.72

1.73

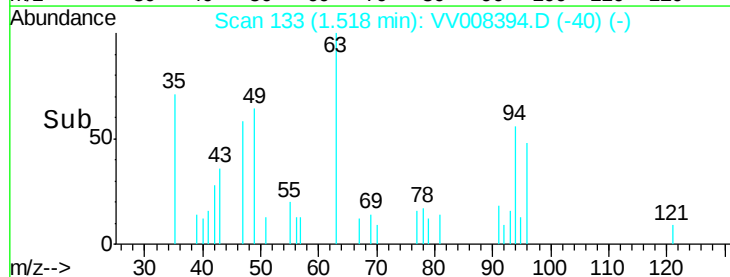
1.74

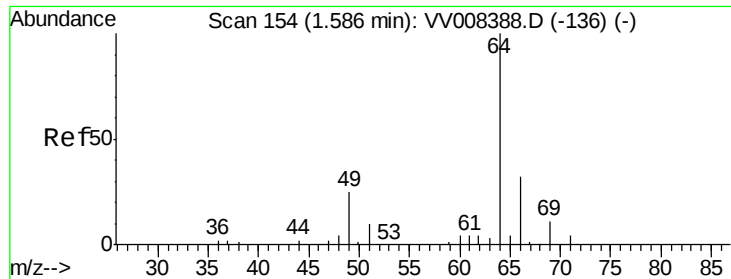
1.75

1.76

1.77

1.78





#8

Chloroethane

Concen: 1.901 ug/L m

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion: 64 Resp: 1369

Ion Ratio Lower Upper

64 100

66 22.0 19.9 36.9

Instrument :

MSVOA_V

ClientSampleId :

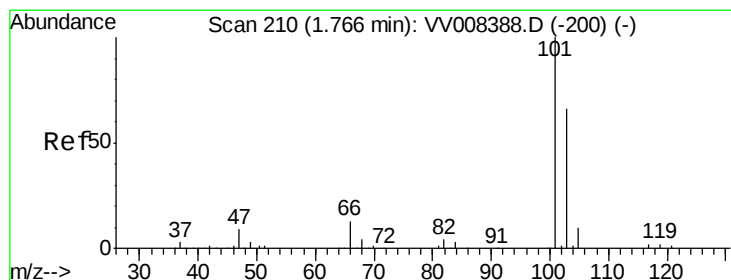
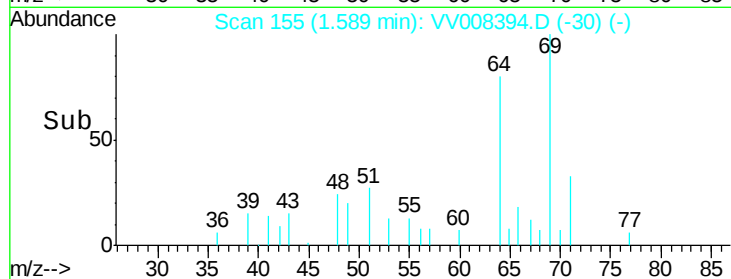
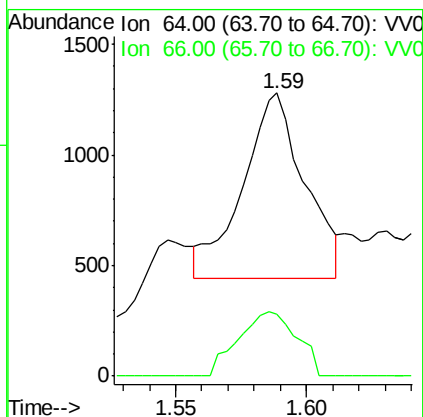
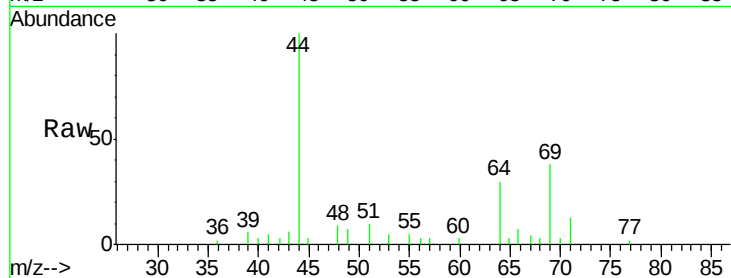
MDL05

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#9

Trichlorofluoromethane

Concen: 1.204 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008394.D

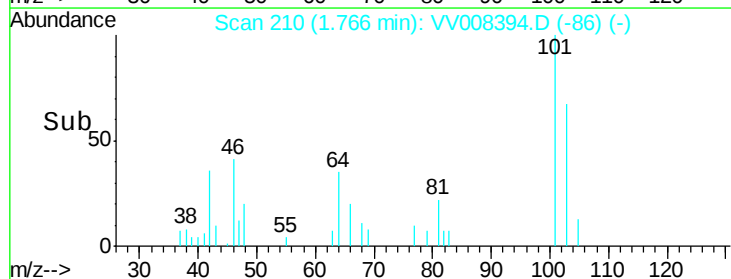
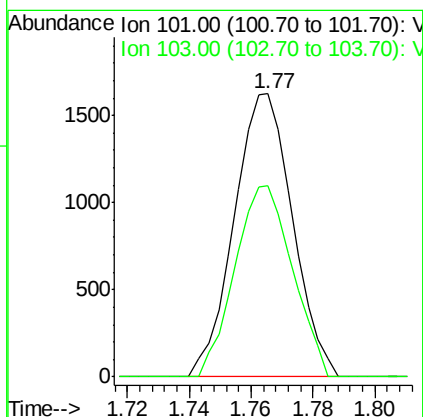
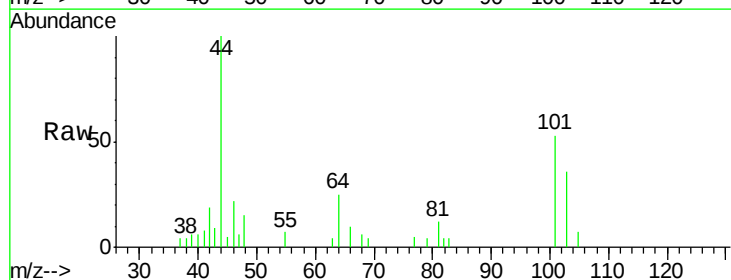
Acq: 24 Oct 2018 16:13

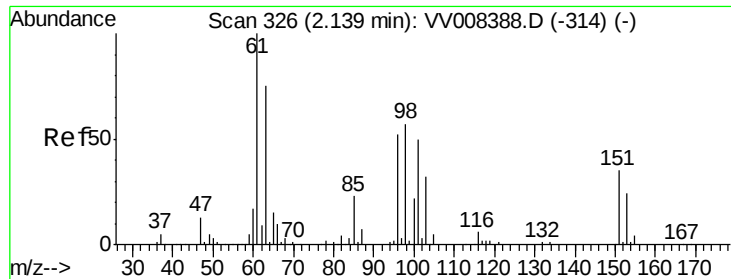
Tgt Ion: 101 Resp: 2125

Ion Ratio Lower Upper

101 100

103 66.6 51.0 76.6





#10

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

Concen: 1.778 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

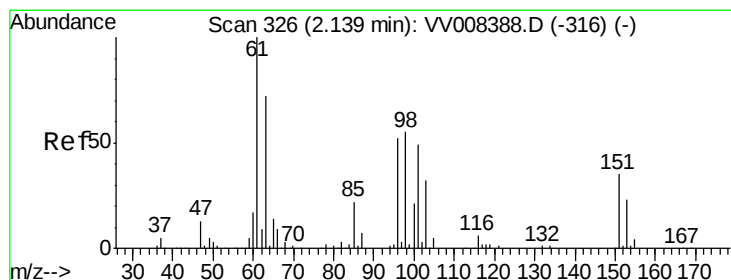
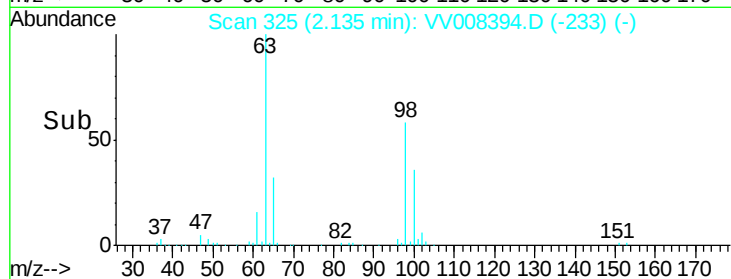
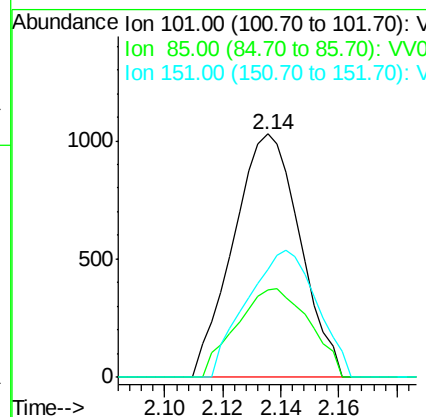
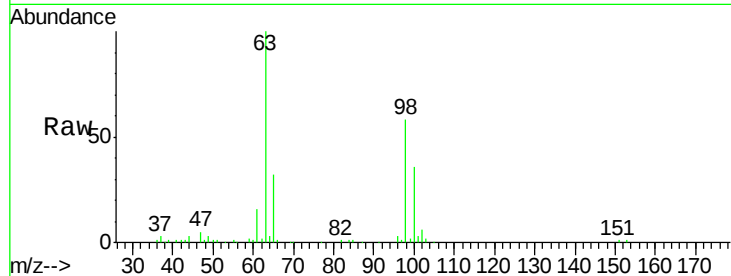
ClientSampleId :

MDL05

Tgt Ion:	101	Resp:	1639
Ion Ratio	Lower	Upper	
101	100		
85	40.0	35.6	53.4
151	55.1	58.1	87.1#

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#12

1,1-Dichloroethene

Concen: 1.899 ug/L

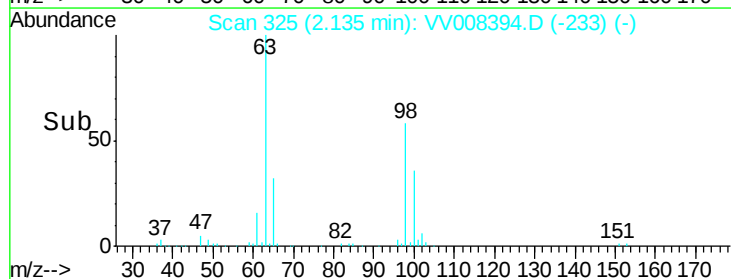
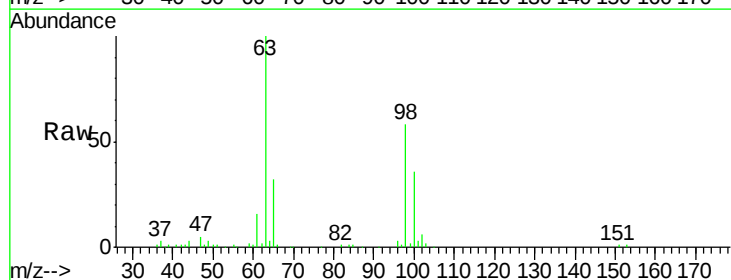
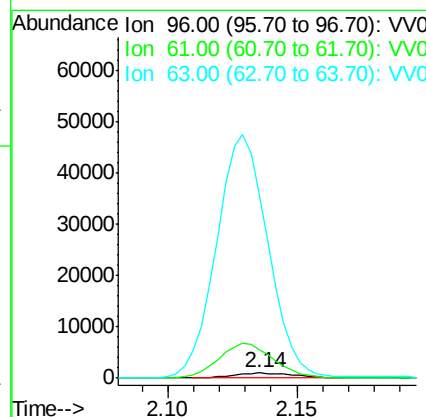
RT: 2.14 min Scan# 325

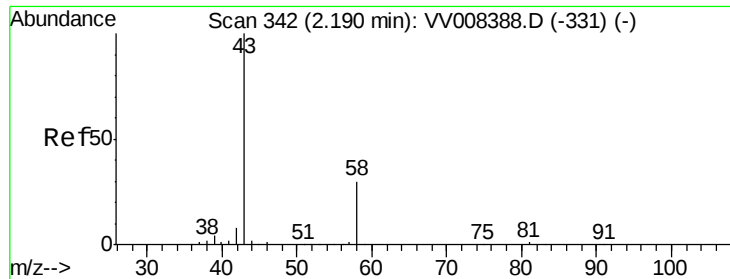
Delta R.T. -0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion:	96	Resp:	1648
Ion Ratio	Lower	Upper	
96	100		
61	576.7	130.3	242.1#
63	3656.0	84.4	156.8#





#13

Acetone

Concen: 2.976 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 2689

Ion Ratio Lower Upper

43 100

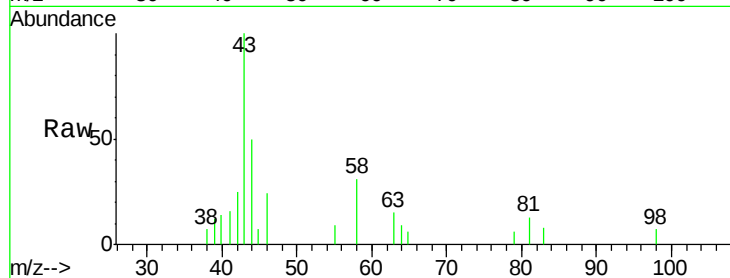
58 30.2 0.0 61.4

Manual Integrations

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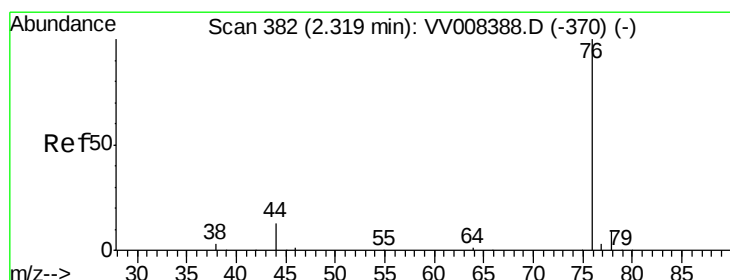
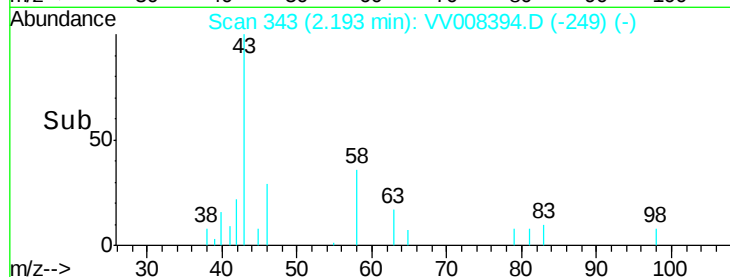
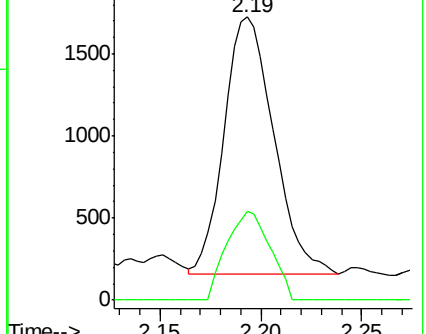
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Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008388.D (-331) (-)



#14

Carbon disulfide

Concen: 1.333 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008394.D

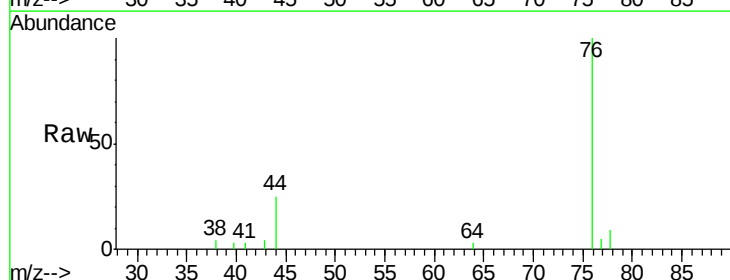
Acq: 24 Oct 2018 16:13

Tgt Ion: 76 Resp: 5210

Ion Ratio Lower Upper

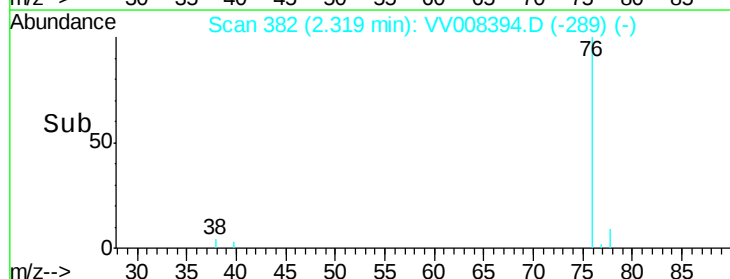
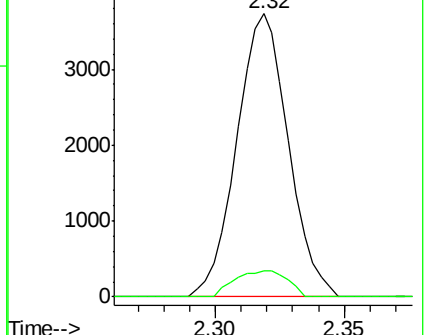
76 100

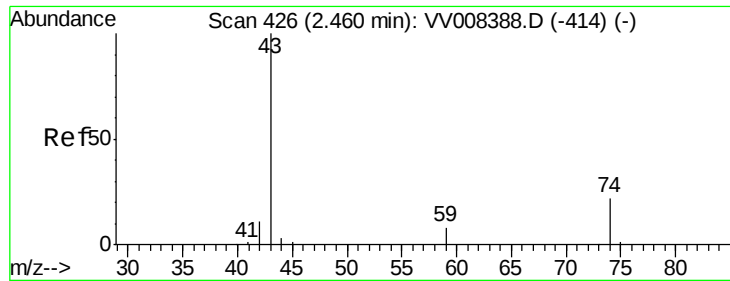
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008388.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008388.D (-370) (-)





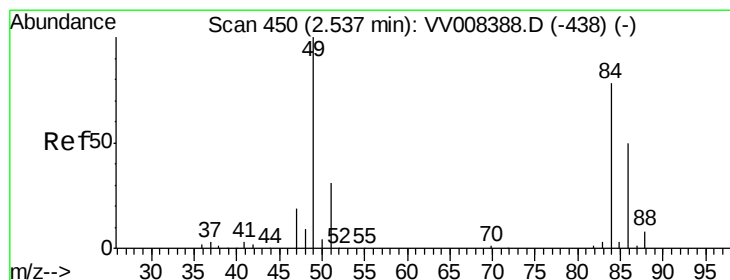
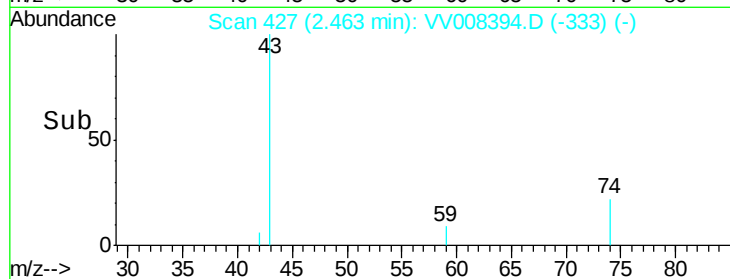
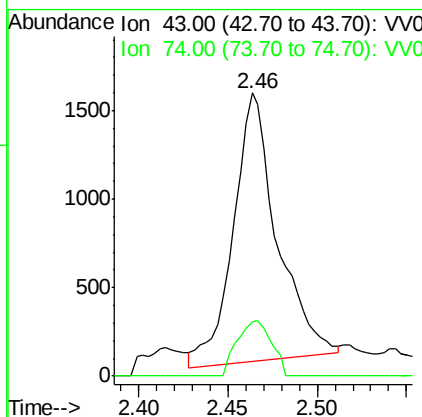
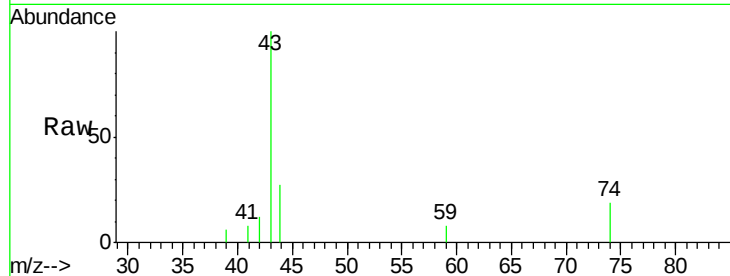
#15
Methyl Acetate
Concen: 1.439 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
74 16.3 17.8 26.6#

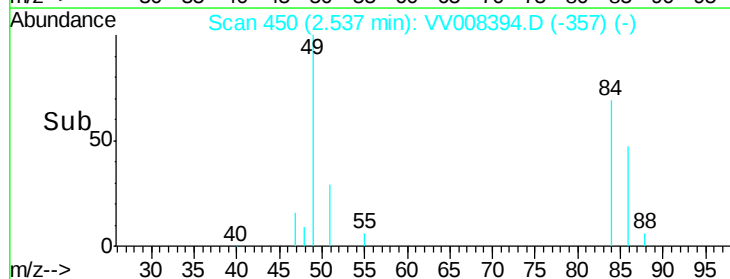
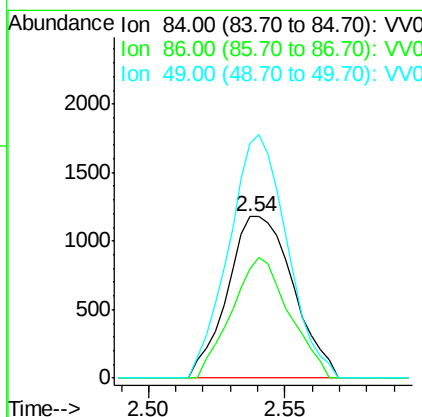
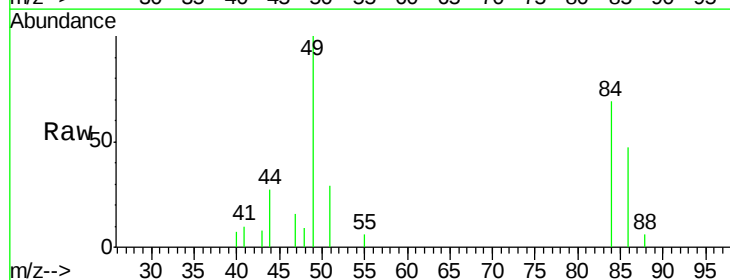
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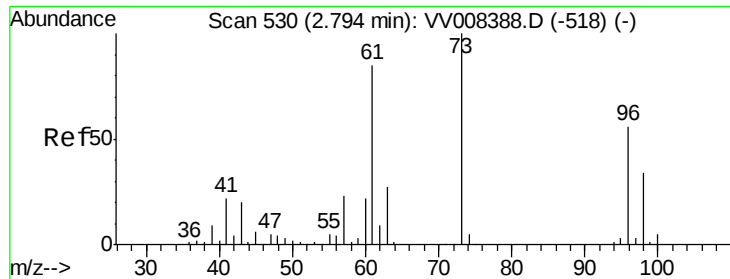
apatel
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#16
Methylene chloride
Concen: 1.310 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Tgt Ion: 84 Resp: 1970
Ion Ratio Lower Upper
84 100
86 67.6 45.6 84.6
49 145.0 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 1.419 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

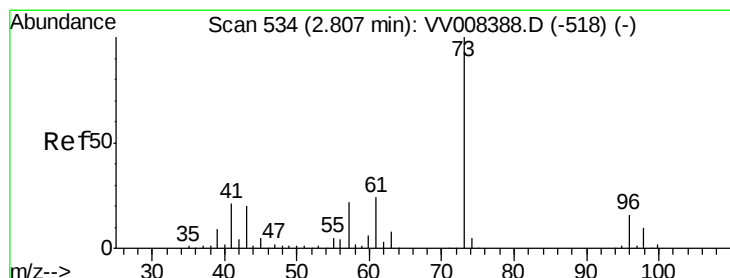
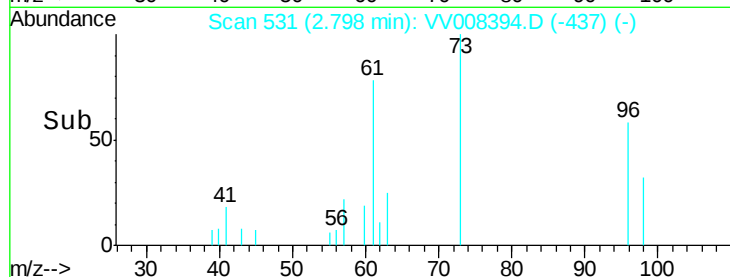
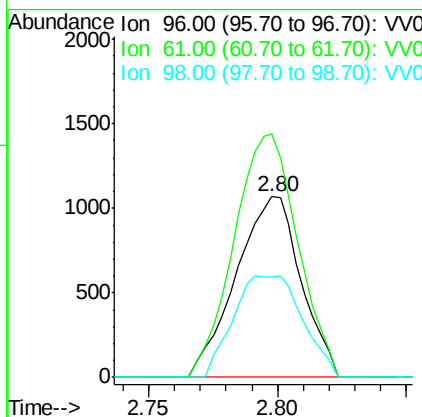
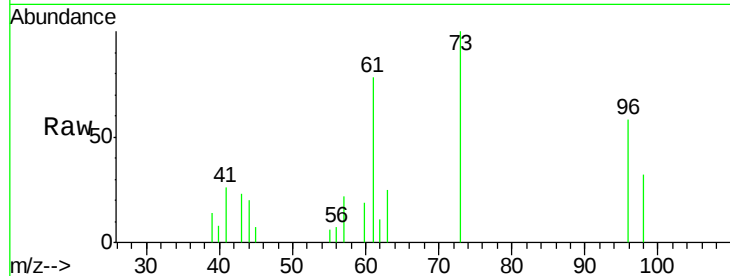
ClientSampleId :

MDL05

Tgt Ion:	96	Resp:	1878
Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.6	201.6
98	55.8	44.3	82.3

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#18

Methyl tert-butyl Ether

Concen: 1.214 ug/L

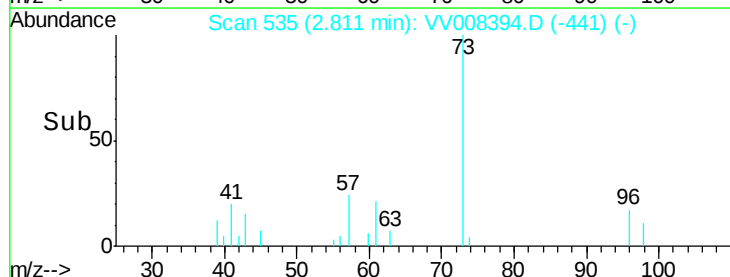
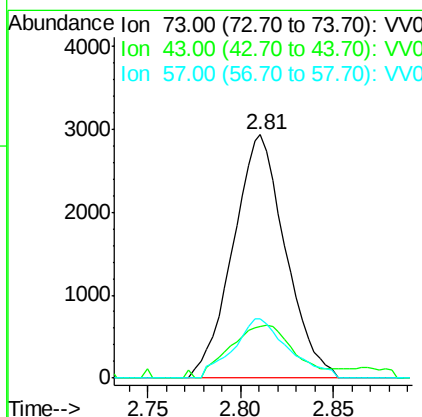
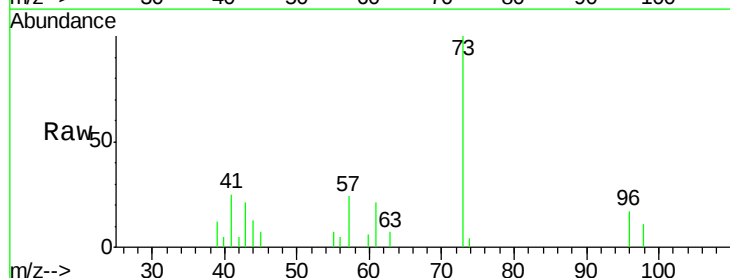
RT: 2.81 min Scan# 535

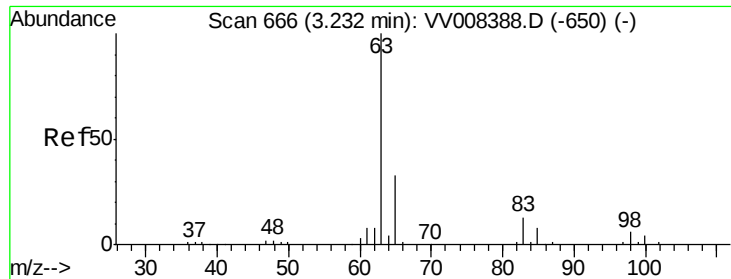
Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion:	73	Resp:	5750
Ion	Ratio	Lower	Upper
73	100		
43	26.0	16.2	24.4#
57	25.7	18.2	27.2





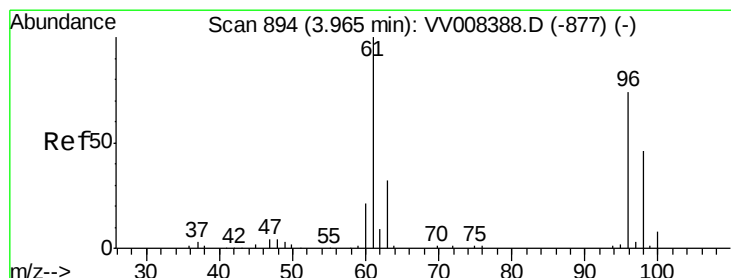
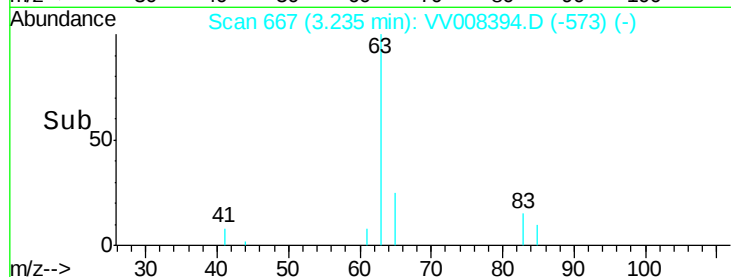
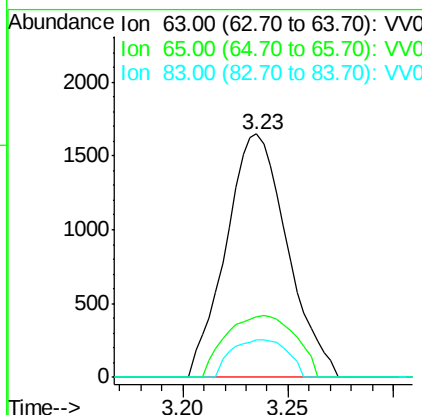
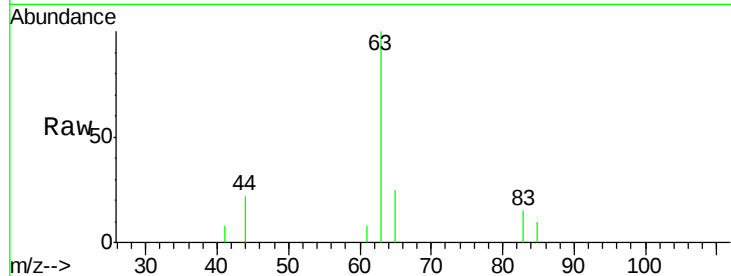
#19
1,1-Dichloroethane
Concen: 1.221 ug/L
RT: 3.23 min Scan# 667
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 63 Resp: 3332
Ion Ratio Lower Upper
63 100
65 24.9 22.0 40.8
83 15.3 9.3 17.3

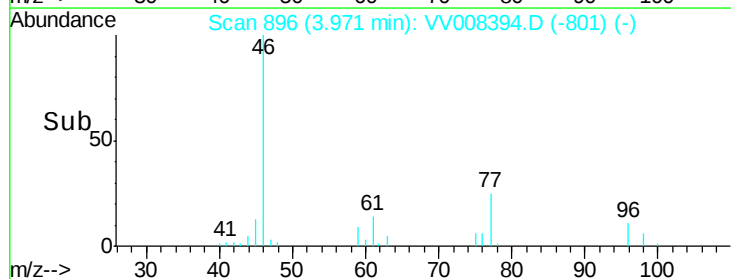
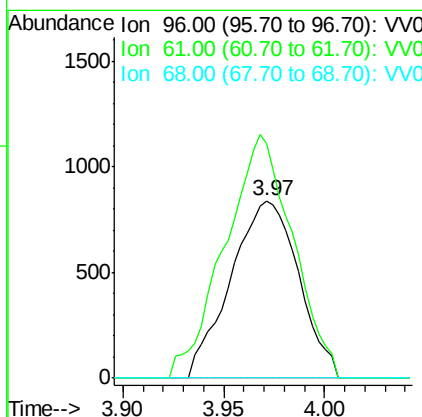
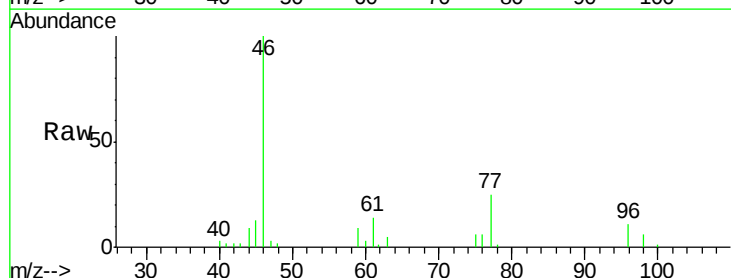
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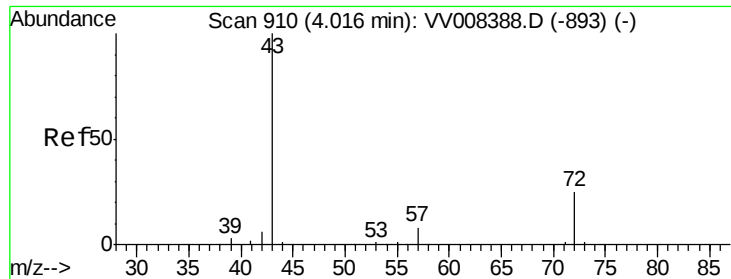
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#20
cis-1,2-Dichloroethene
Concen: 1.305 ug/L
RT: 3.97 min Scan# 896
Delta R.T. 0.01 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Tgt Ion: 96 Resp: 1967
Ion Ratio Lower Upper
96 100
61 132.7 100.9 187.5
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 2.523 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 3293

Ion Ratio Lower Upper

43 100

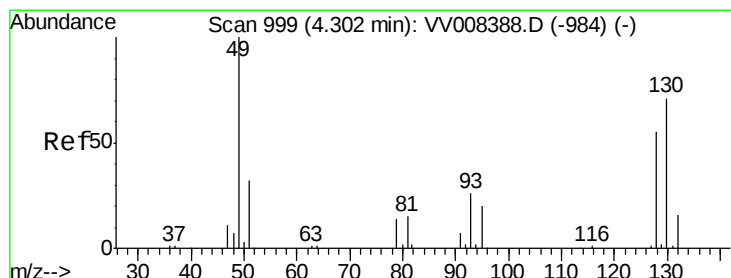
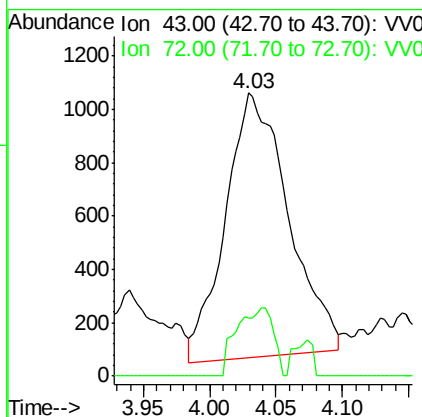
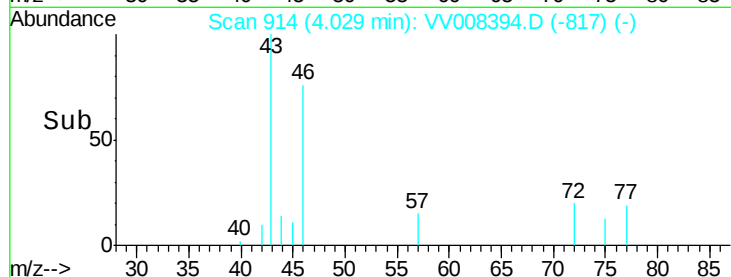
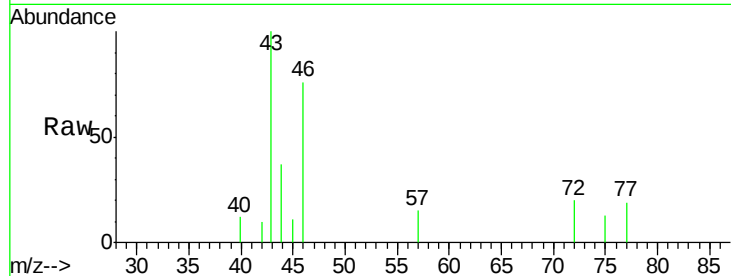
72 1.5 13.0 38.9#

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#23

Bromochloromethane

Concen: 1.208 ug/L m

RT: 4.31 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion: 128 Resp: 859

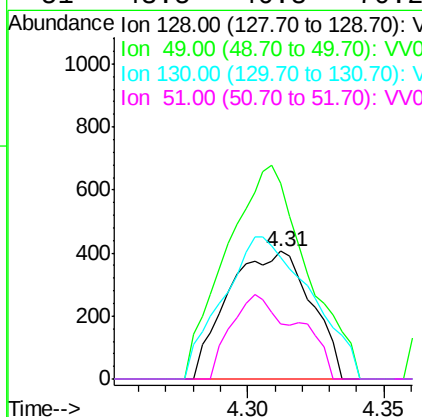
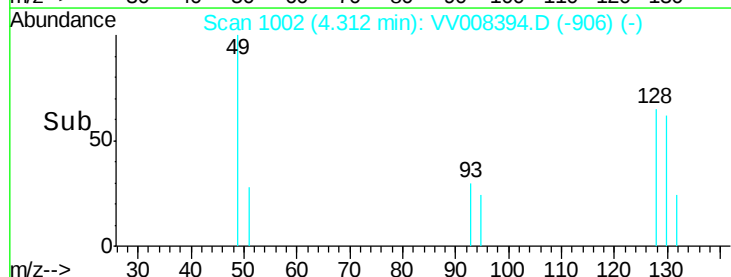
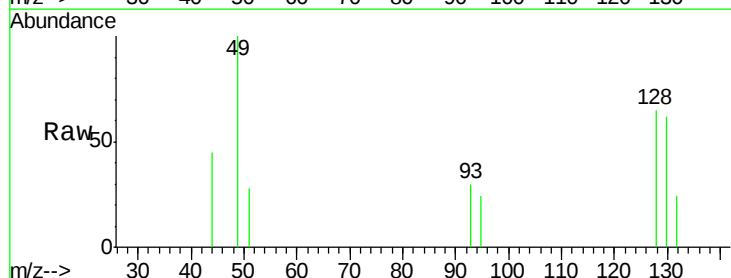
Ion Ratio Lower Upper

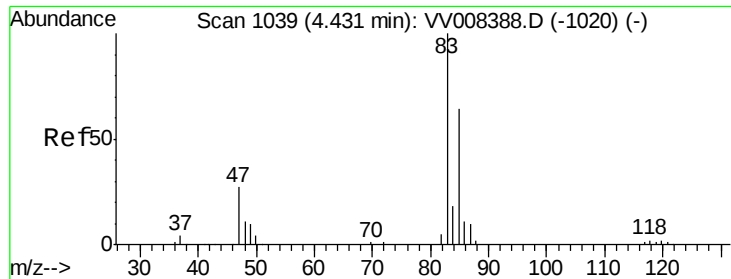
128 100

49 153.1 128.0 237.8

130 95.6 89.2 165.8

51 43.5 46.8 70.2#





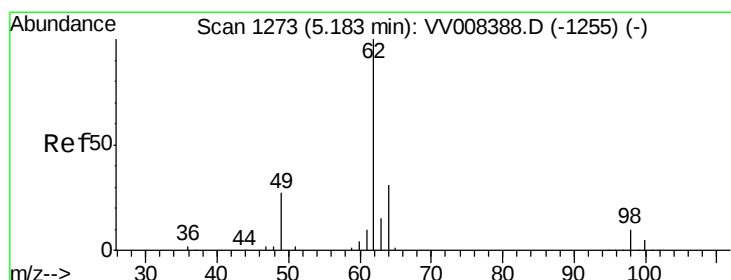
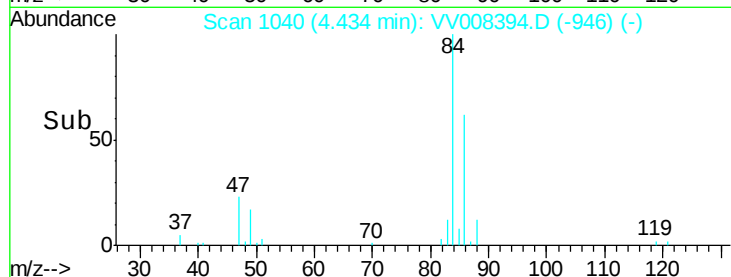
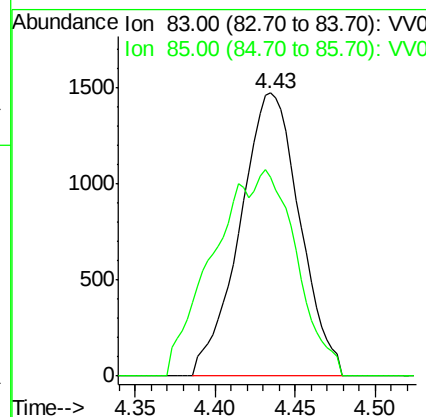
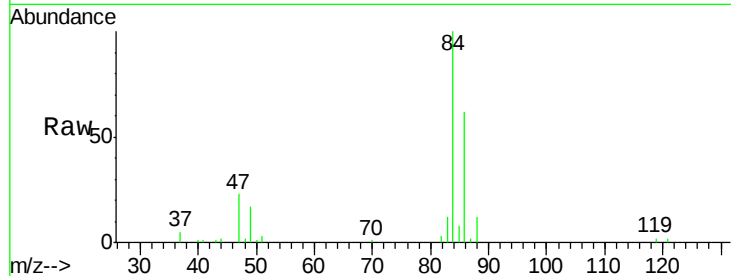
#25
Chloroform
Concen: 1.426 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 83 Resp: 3799
Ion Ratio Lower Upper
83 100
85 70.3 45.8 85.2

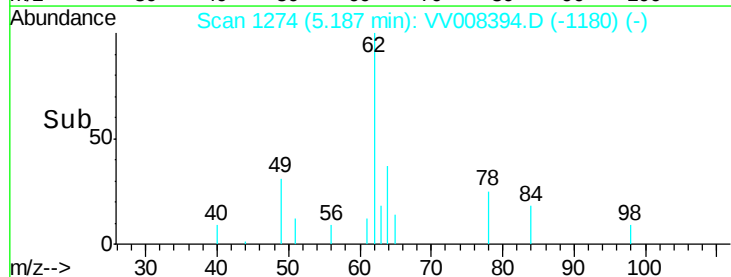
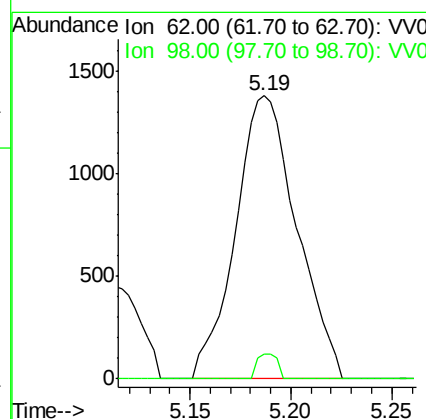
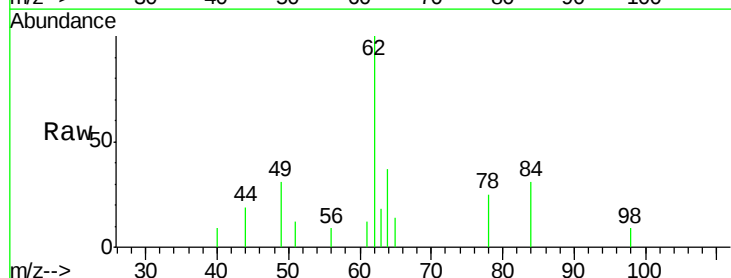
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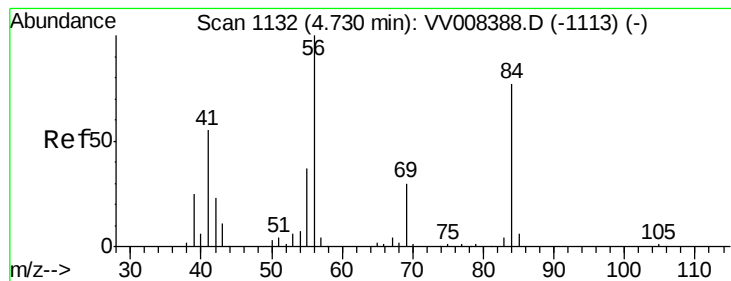
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#27
1,2-Dichloroethane
Concen: 1.314 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Tgt Ion: 62 Resp: 2924
Ion Ratio Lower Upper
62 100
98 8.9 6.6 9.8





#29

Cyclohexane

Concen: 1.326 ug/L

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

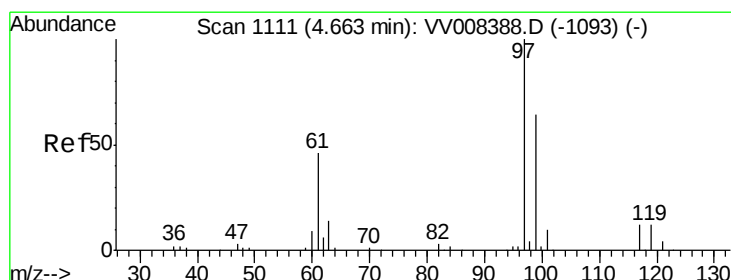
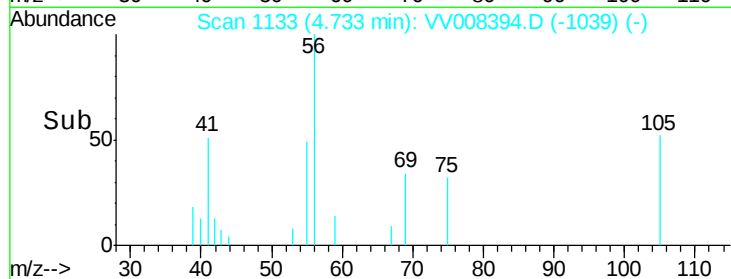
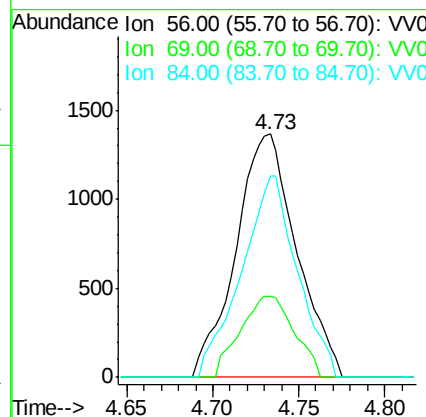
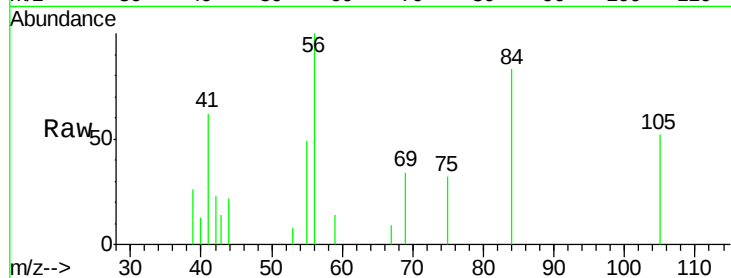
ClientSampled :

MDL05

Tgt Ion:	56	Resp:	3348
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.6	37.0
84	76.0	65.0	97.4

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#30

1,1,1-Trichloroethane

Concen: 1.211 ug/L

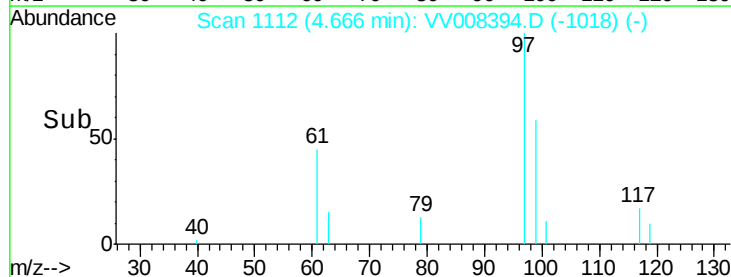
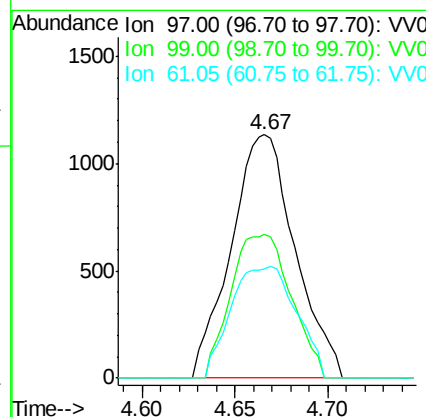
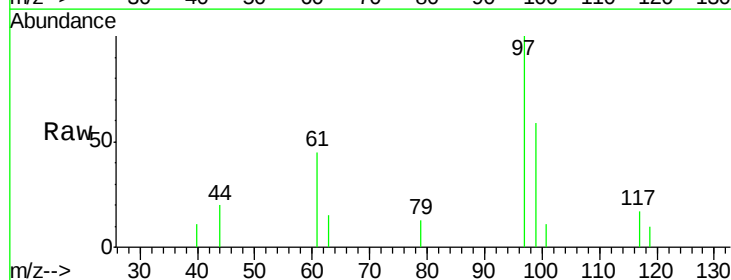
RT: 4.67 min Scan# 1112

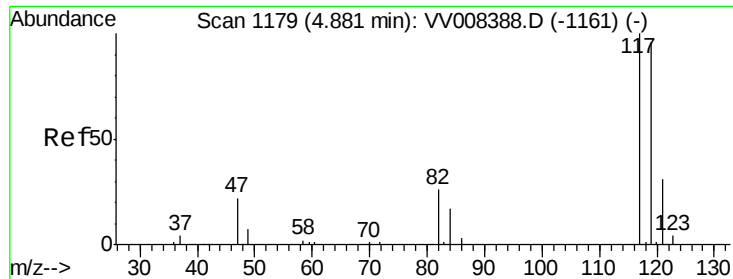
Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion:	97	Resp:	2724
Ion	Ratio	Lower	Upper
97	100		
99	55.4	51.6	77.4
61	46.7	36.5	54.7





#31

Carbon tetrachloride

Concen: 1.138 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:117 Resp: 2172

Ion Ratio Lower Upper

117 100

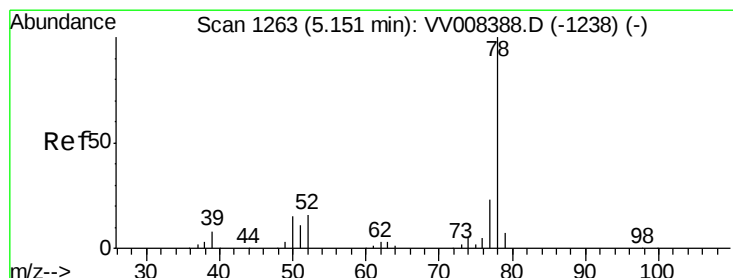
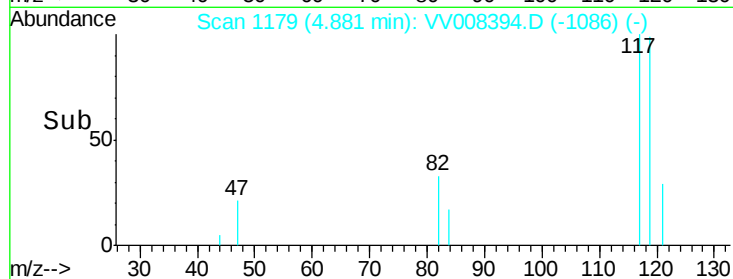
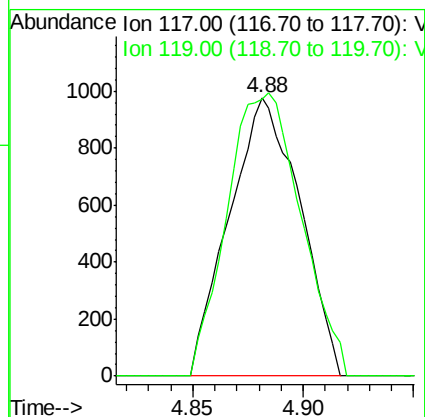
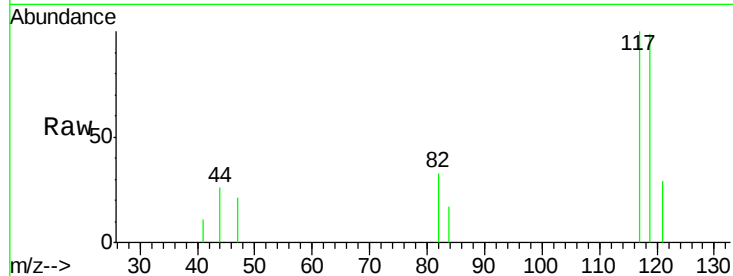
119 106.3 75.8 113.8

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#33

Benzene

Concen: 1.361 ug/L

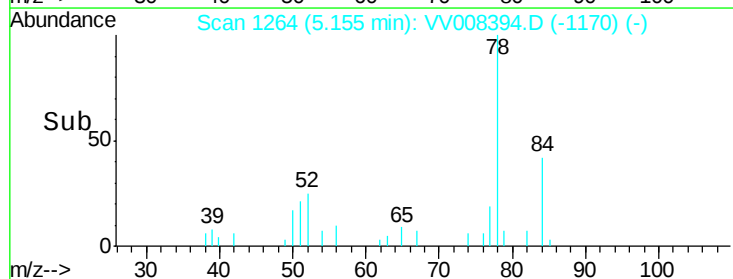
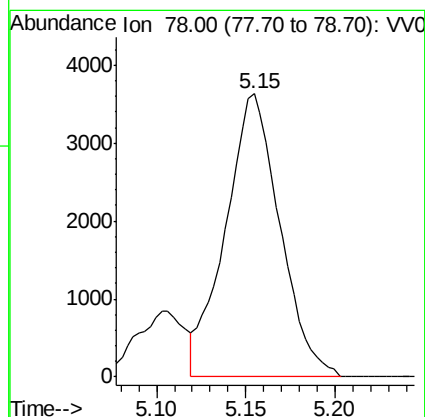
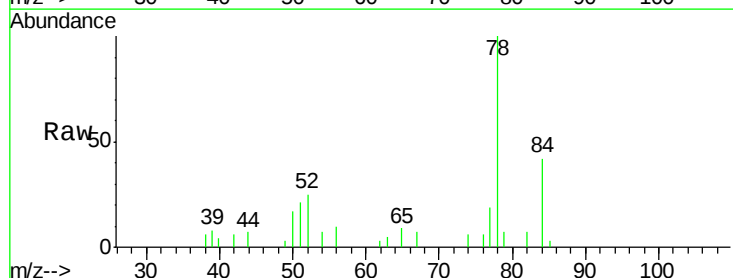
RT: 5.15 min Scan# 1264

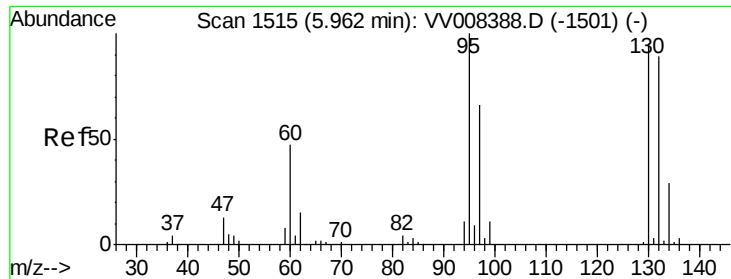
Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion: 78 Resp: 7717





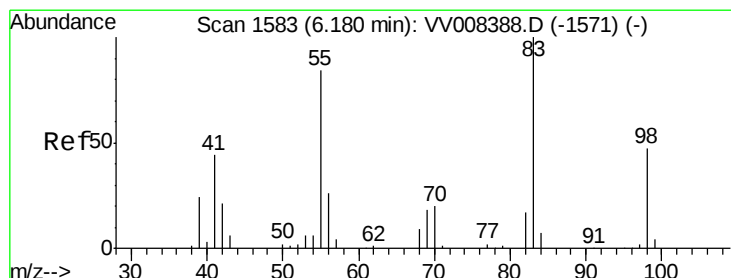
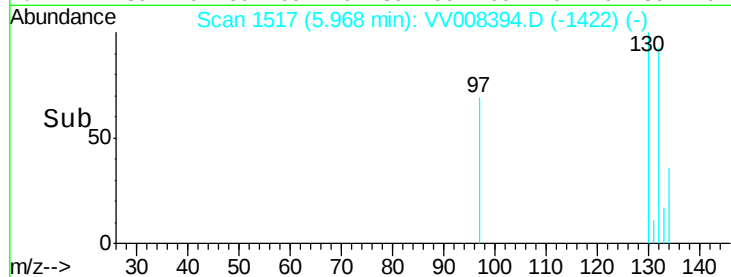
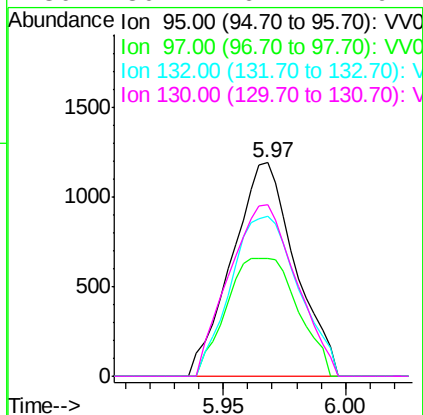
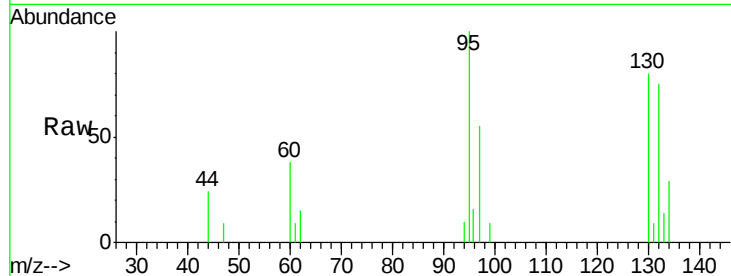
#34
 Trichloroethene
 Concen: 1.471 ug/L
 RT: 5.97 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion:	95	Resp:	2135
Ion	Ratio	Lower	Upper
95	100		
97	55.1	45.2	84.0
132	74.6	63.8	118.6
130	80.4	64.7	120.1

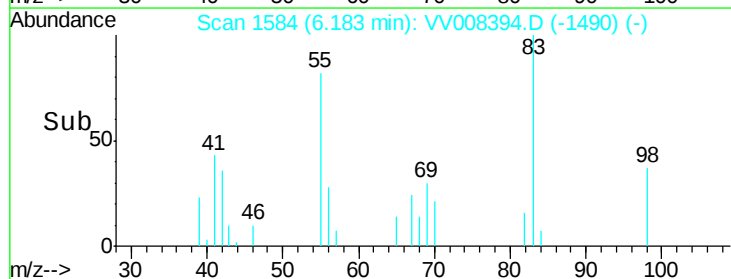
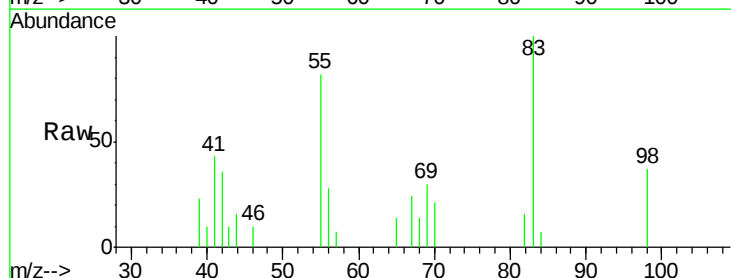
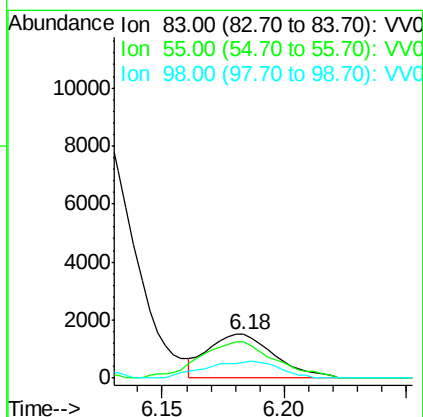
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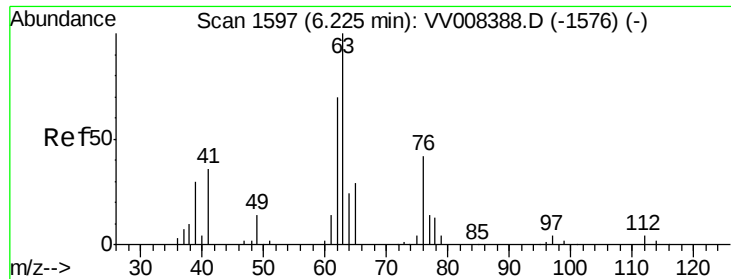
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#35
 Methylcyclohexane
 Concen: 1.156 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Tgt Ion:	83	Resp:	2853
Ion	Ratio	Lower	Upper
83	100		
55	94.3	65.0	97.4
98	42.7	36.0	54.0





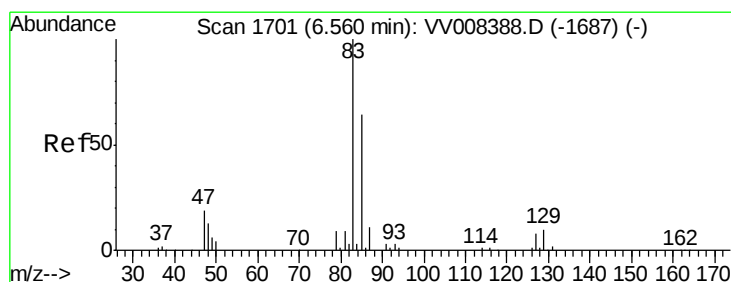
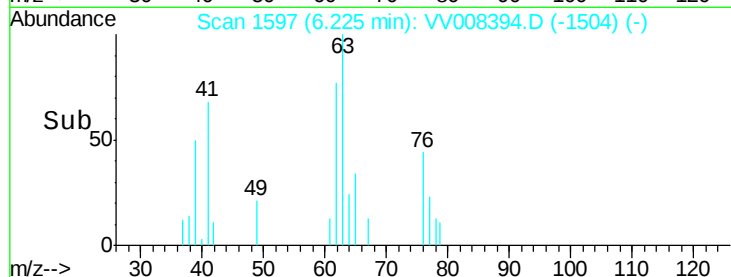
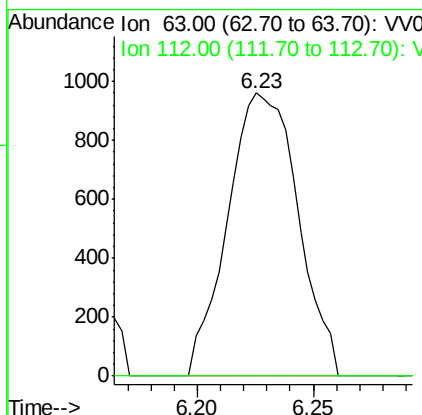
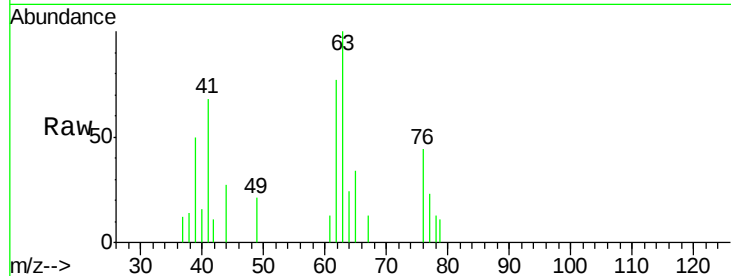
#37
 1,2-Dichloropropane
 Concen: 1.291 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion: 63 Resp: 2022
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#

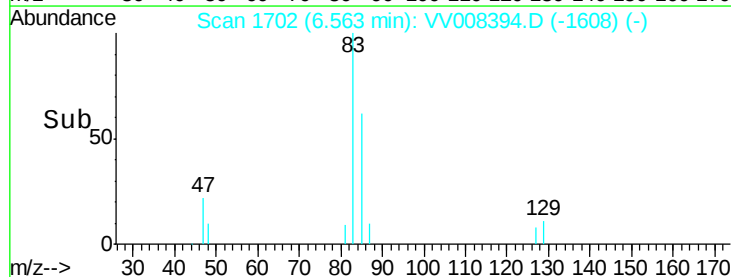
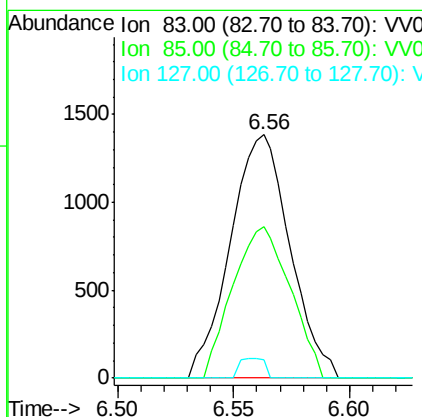
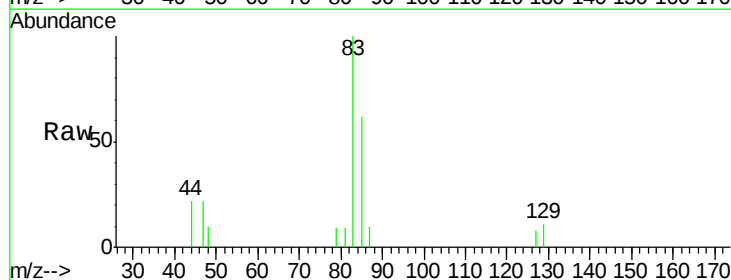
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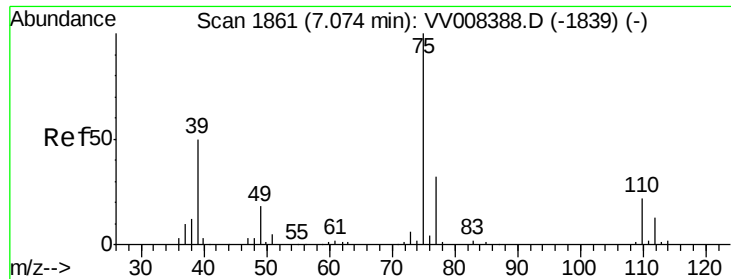
apatel
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#38
 Bromodichloromethane
 Concen: 1.241 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Tgt Ion: 83 Resp: 2477
 Ion Ratio Lower Upper
 83 100
 85 62.3 44.3 82.3
 127 7.7 6.3 9.5





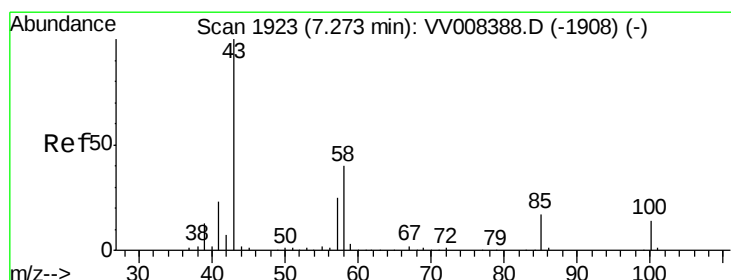
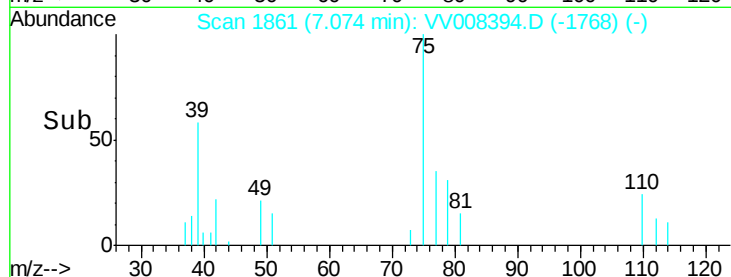
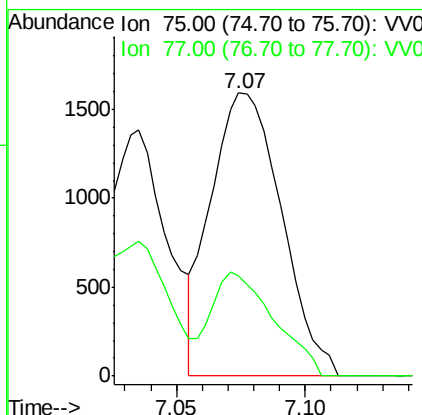
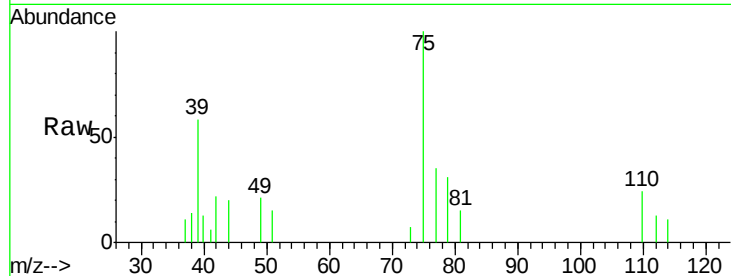
#39
 cis-1,3-Dichloropropene
 Concen: 1.229 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion: 75 Resp: 3025
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.6 42.0

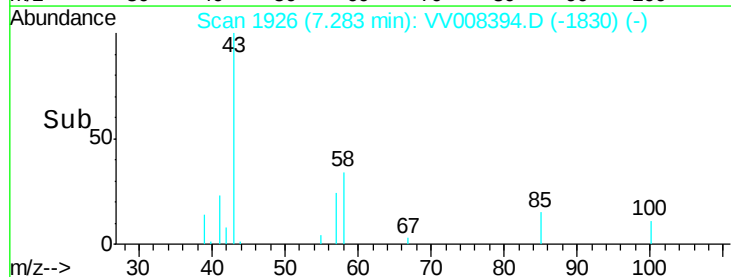
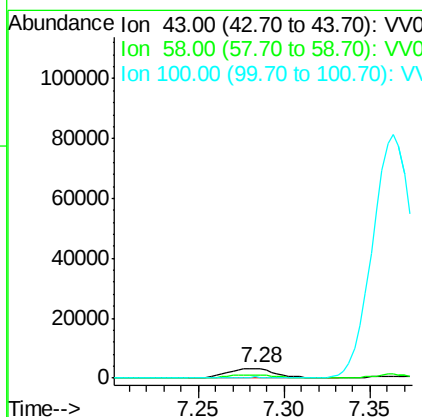
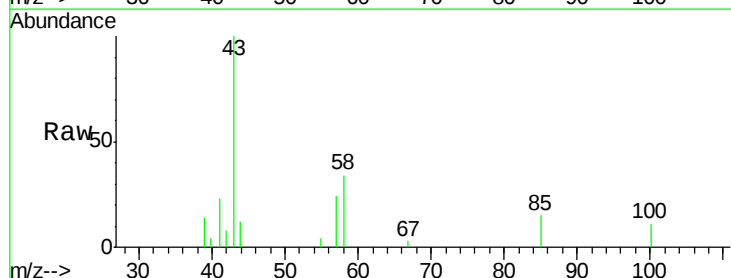
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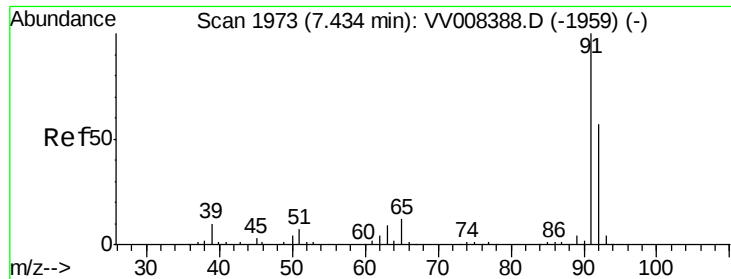
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#40
 4-Methyl-2-pentanone
 Concen: 2.694 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Tgt Ion: 43 Resp: 6248
 Ion Ratio Lower Upper
 43 100
 58 34.7 30.9 46.3
 100 9.8 10.9 16.3#





#42

Toluene

Concen: 1.304 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 7681

Ion Ratio Lower Upper

91 100

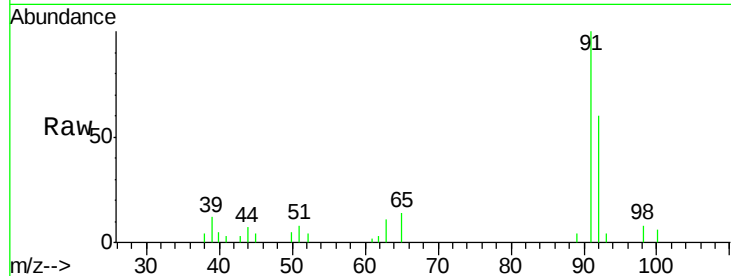
92 60.0 39.5 73.4

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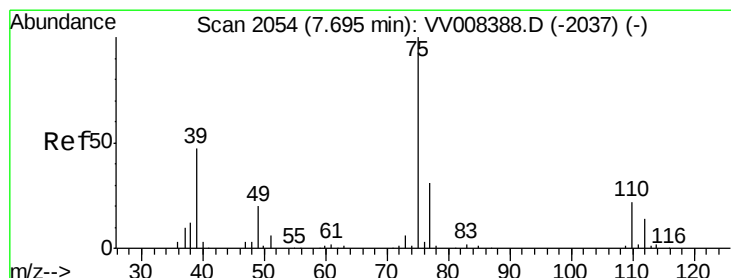
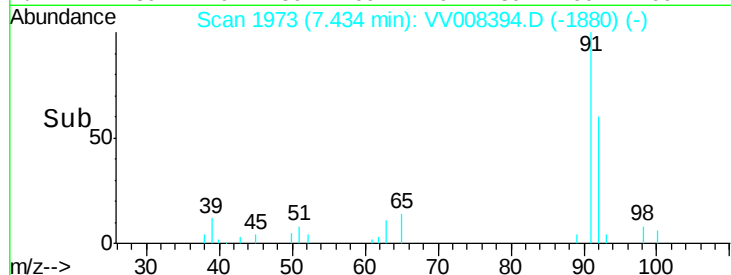
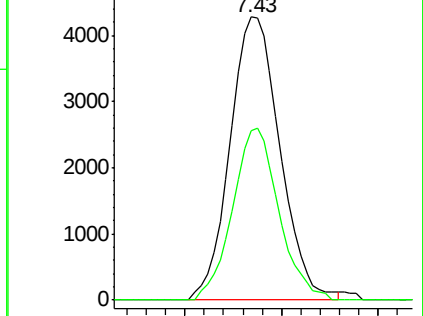
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Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1959) (-)

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



#44

trans-1,3-Dichloropropene

Concen: 1.164 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008394.D

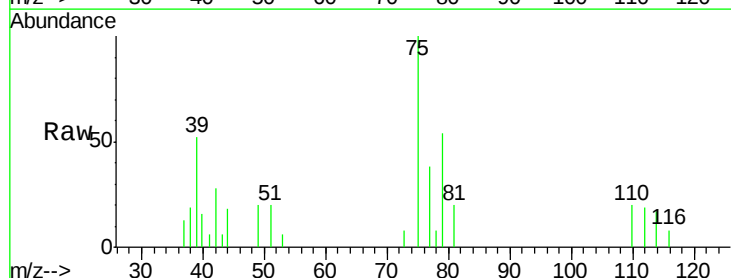
Acq: 24 Oct 2018 16:13

Tgt Ion: 75 Resp: 2682

Ion Ratio Lower Upper

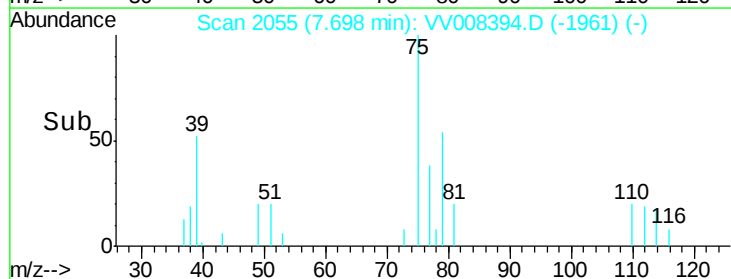
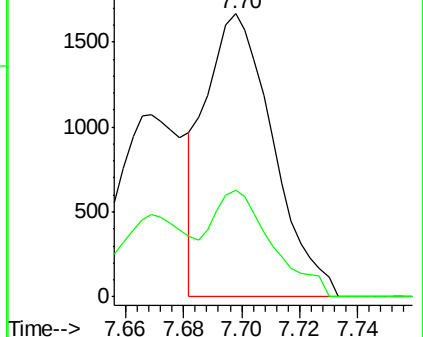
75 100

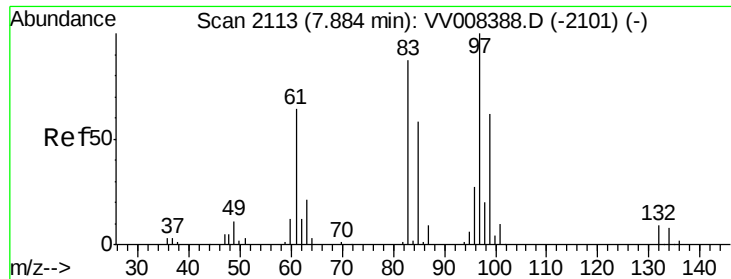
77 37.8 21.8 40.4



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

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





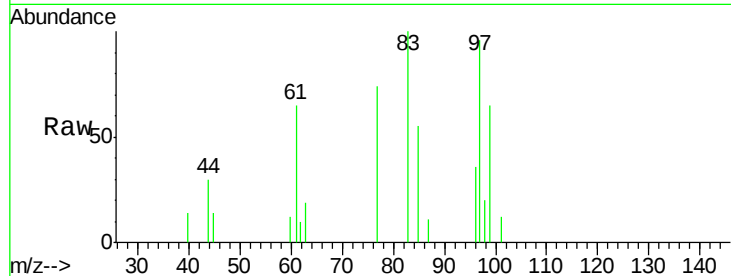
#45
1,1,2-Trichloroethane
Concen: 1.152 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampled :
MDL05

Tgt Ion:	97	Resp:	1595
Ion	Ratio	Lower	Upper
97	100		
99	68.0	43.3	80.3
83	104.4	61.9	114.9
85	57.1	40.9	75.9

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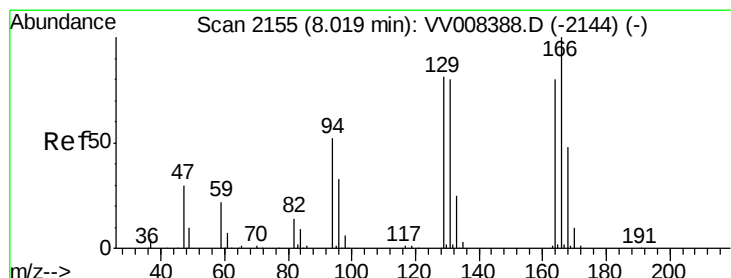
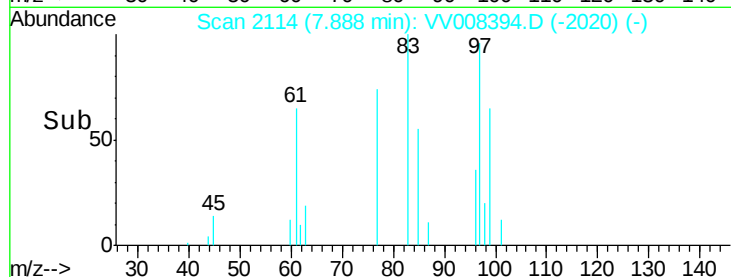
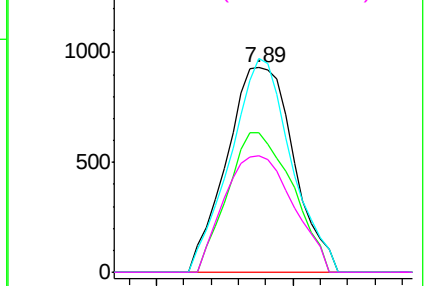


Abundance Ion 97.00 (96.70 to 97.70): VV008394.D (-2020) (-)

Ion 99.00 (98.70 to 99.70): VV008394.D (-2020) (-)

Ion 83.00 (82.70 to 83.70): VV008394.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV008394.D (-2020) (-)



#46
Tetrachloroethene
Concen: 1.253 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

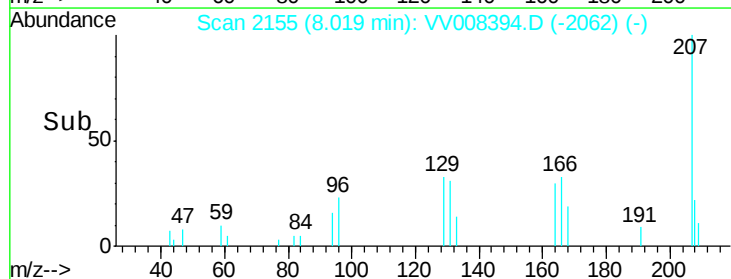
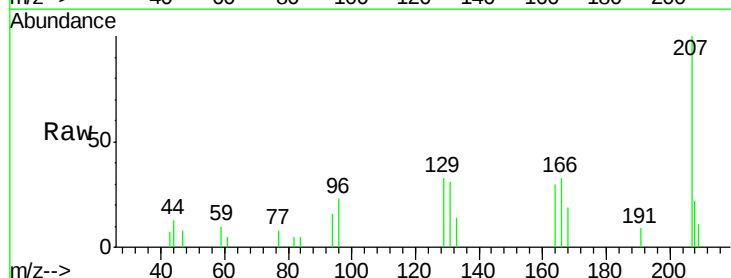
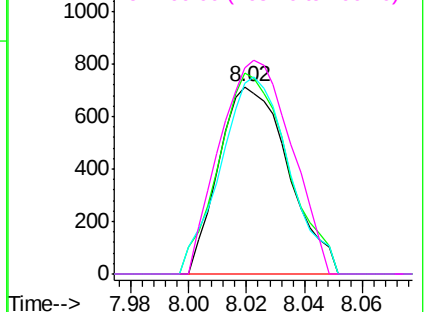
Tgt Ion:	164	Resp:	1186
Ion	Ratio	Lower	Upper
164	100		
129	107.3	75.0	139.2
131	101.5	71.3	132.3
166	109.8	89.2	165.6

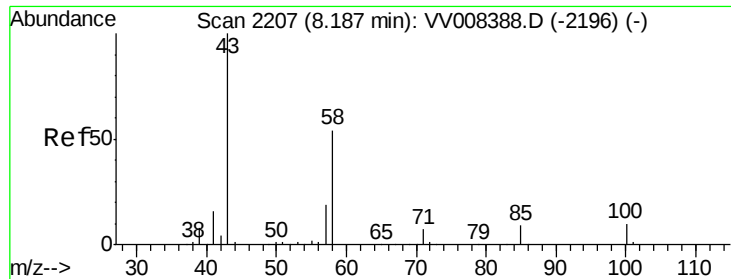
Abundance Ion 164.00 (163.70 to 164.70): VV008394.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV008394.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV008394.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV008394.D (-2062) (-)





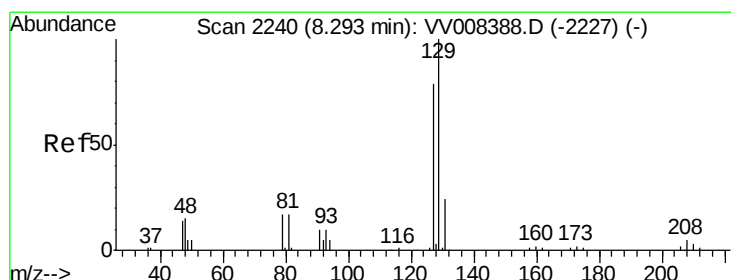
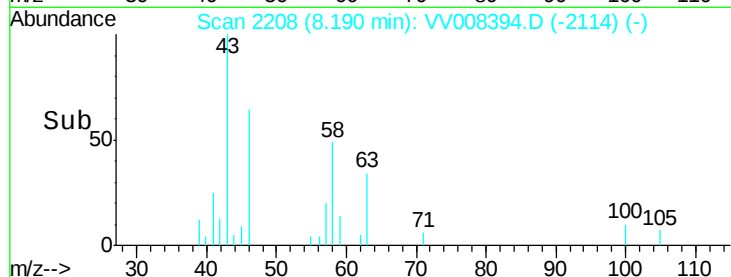
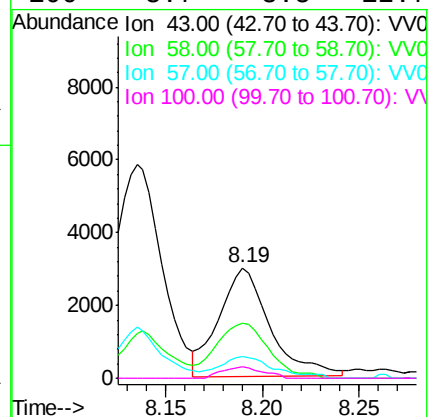
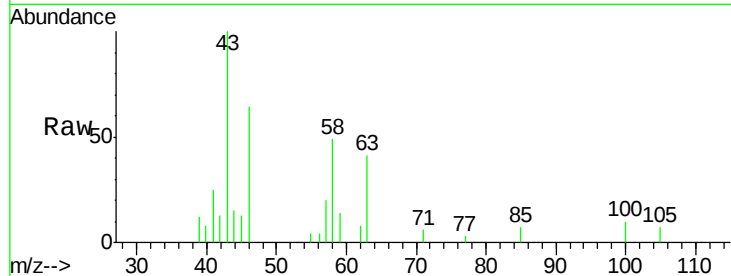
#48
2-Hexanone
Concen: 3.036 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion: 43 Resp: 5433
Ion Ratio Lower Upper
43 100
58 46.1 42.6 63.8
57 15.4 14.8 22.2
100 8.7 8.5 12.7

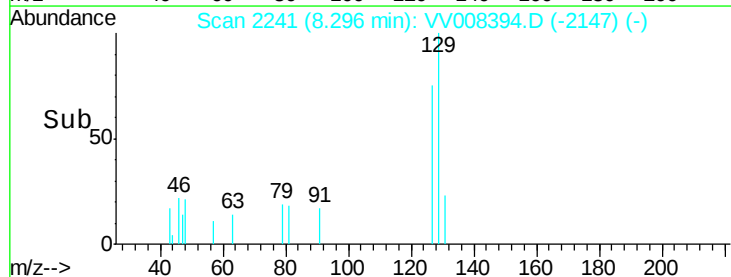
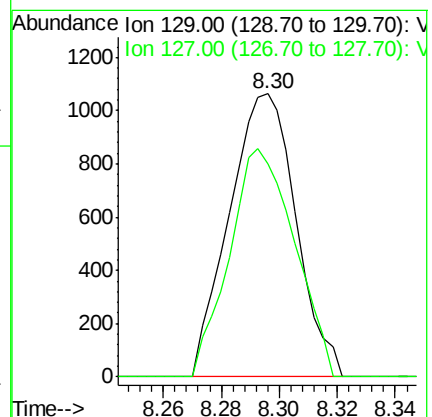
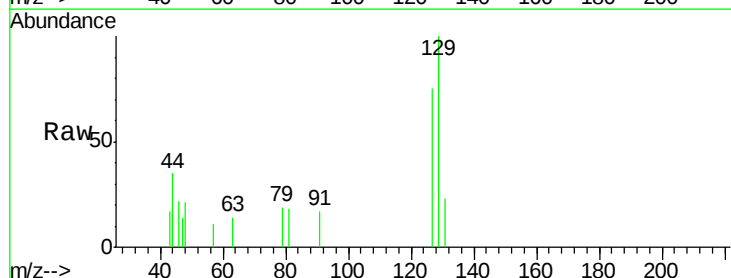
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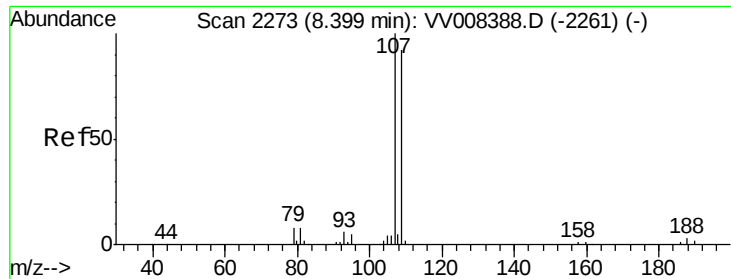
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#49
Dibromochloromethane
Concen: 1.141 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Tgt Ion: 129 Resp: 1697
Ion Ratio Lower Upper
129 100
127 75.2 54.9 101.9





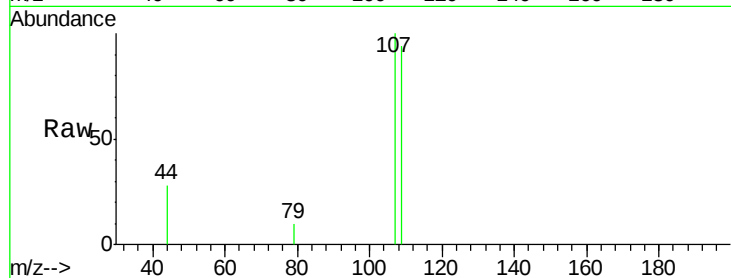
#50
1,2-Dibromoethane
Concen: 1.232 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampleId :
MDL05

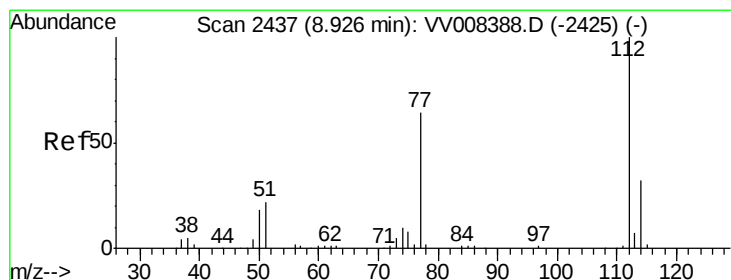
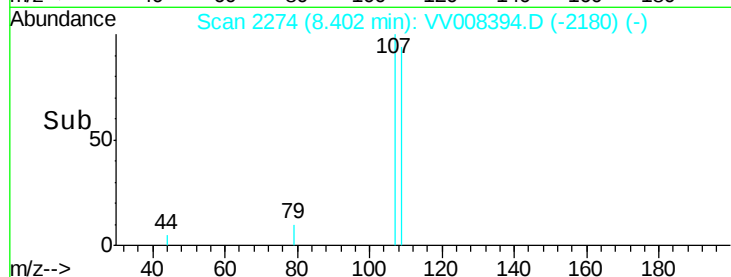
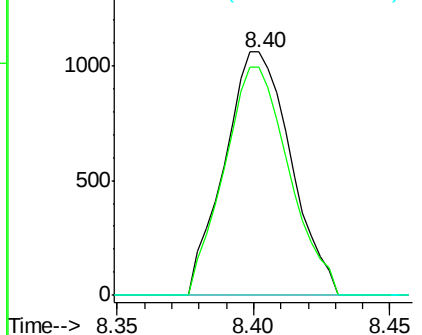
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	65.2	121.2
188	0.0	2.3	3.5#

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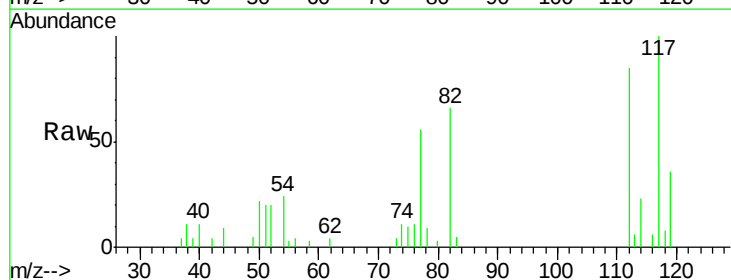


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

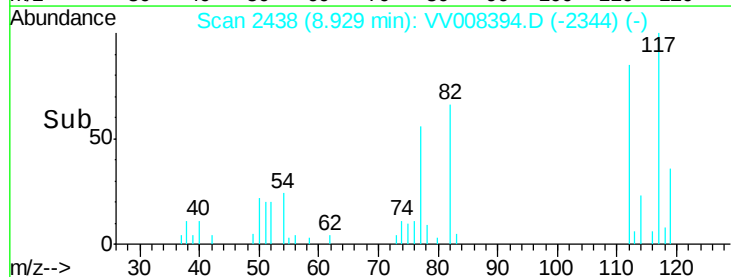
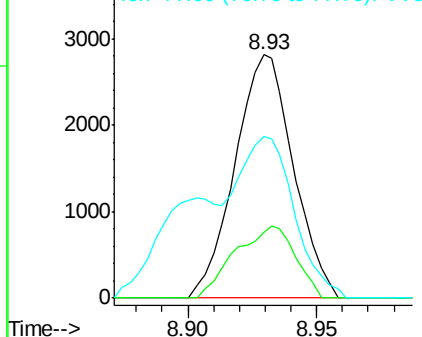


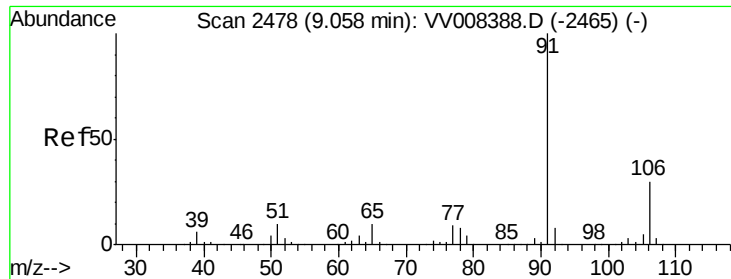
#51
Chlorobenzene
Concen: 1.225 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.1	22.5	41.7
77	66.4	52.0	78.0



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): VV0





#52

Ethylbenzene

Concen: 1.209 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampled :

MDL05

Tgt Ion: 91 Resp: 7978

Ion Ratio Lower Upper

91 100

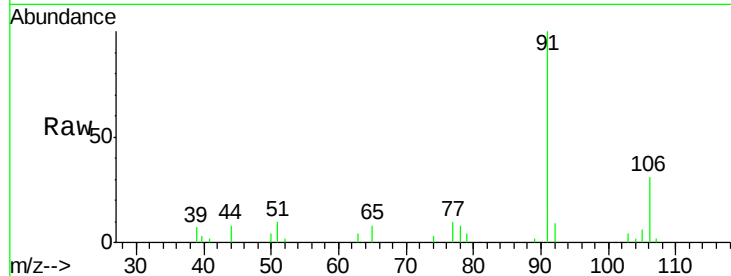
106 30.7 21.3 39.5

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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) (-)

9.06

5000

4000

3000

2000

1000

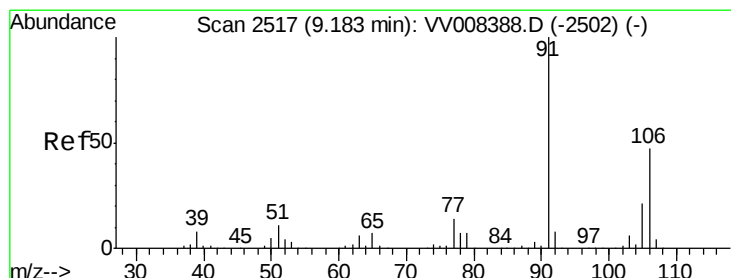
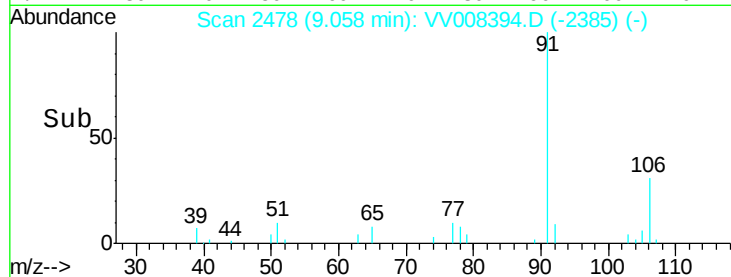
0

Time-->

9.00

9.05

9.10



#53

m,p-Xylene

Concen: 1.199 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008394.D

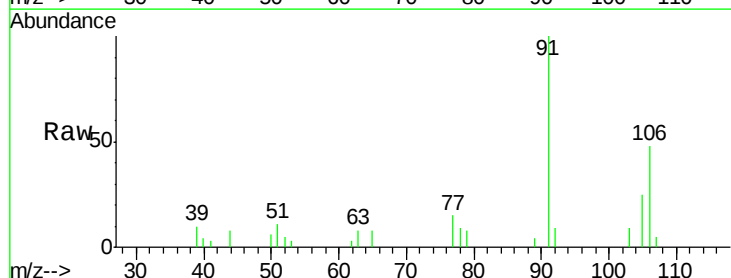
Acq: 24 Oct 2018 16:13

Tgt Ion: 106 Resp: 2891

Ion Ratio Lower Upper

106 100

91 207.2 150.0 278.6



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

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

9.19

4000

3000

2000

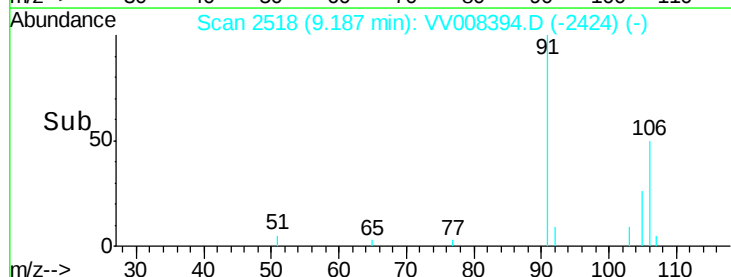
1000

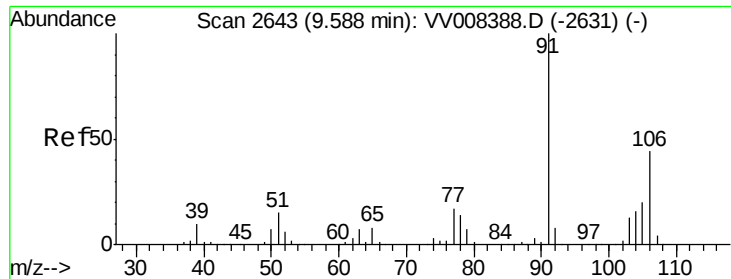
0

Time-->

9.15

9.20





#54

o-xylene

Concen: 1.164 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tgt Ion:106 Resp: 2801

Ion Ratio Lower Upper

106 100

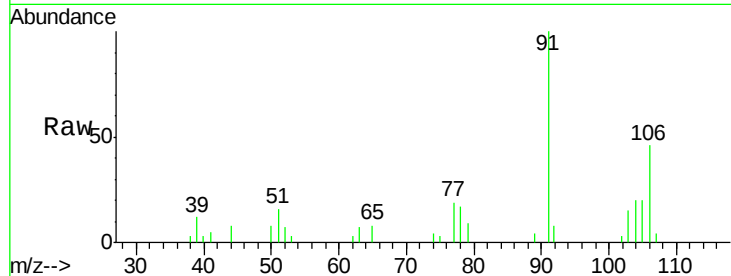
91 216.3 158.7 294.7

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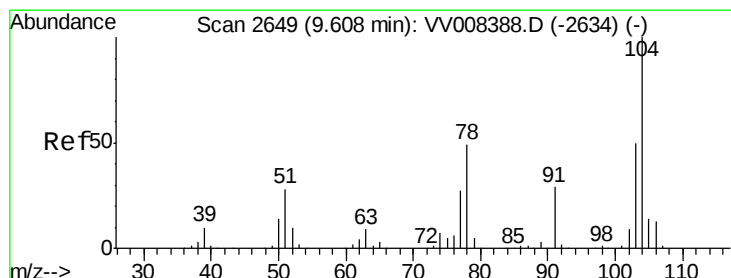
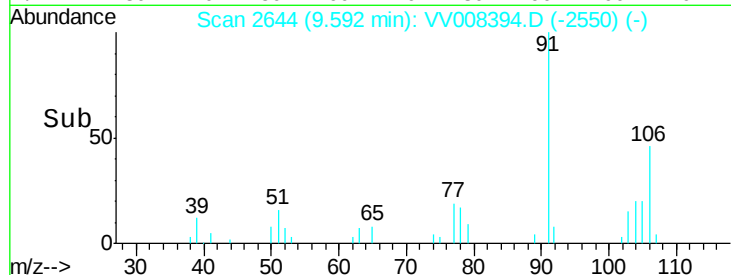
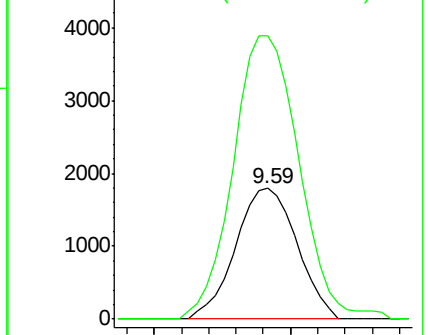
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 1.209 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VV008394.D

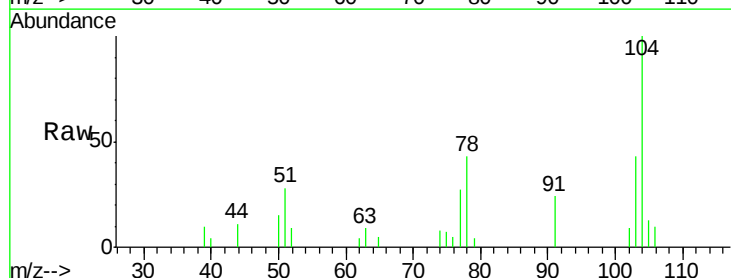
Acq: 24 Oct 2018 16:13

Tgt Ion:104 Resp: 4902

Ion Ratio Lower Upper

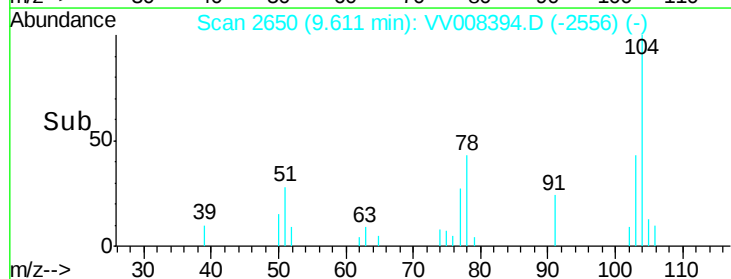
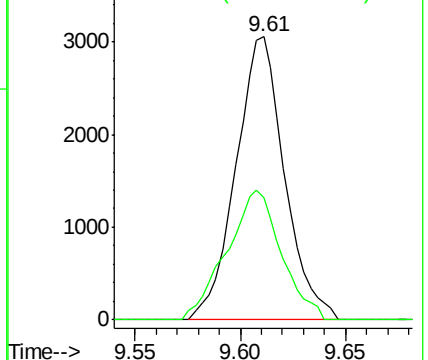
104 100

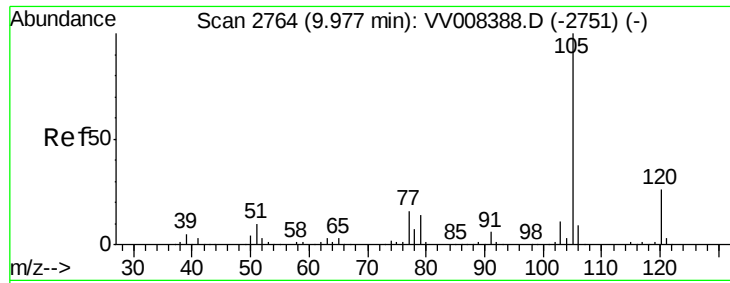
78 43.1 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.161 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

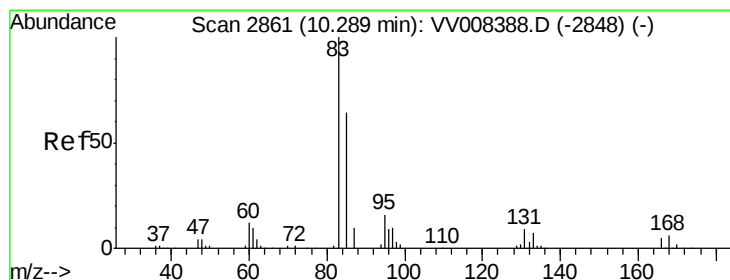
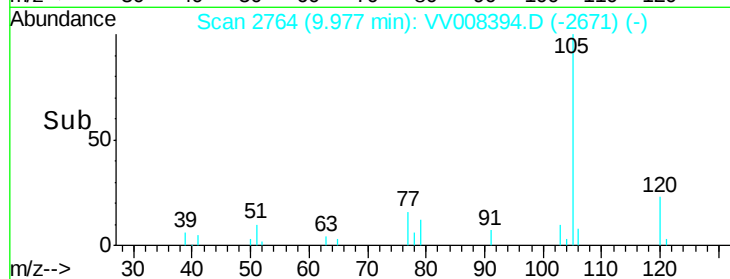
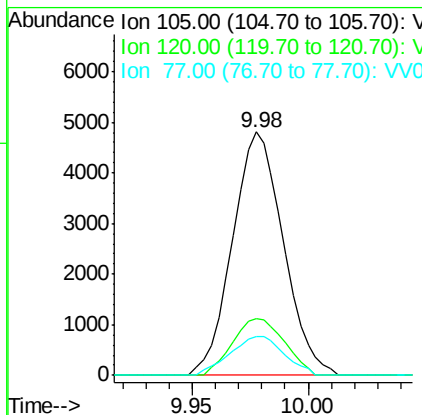
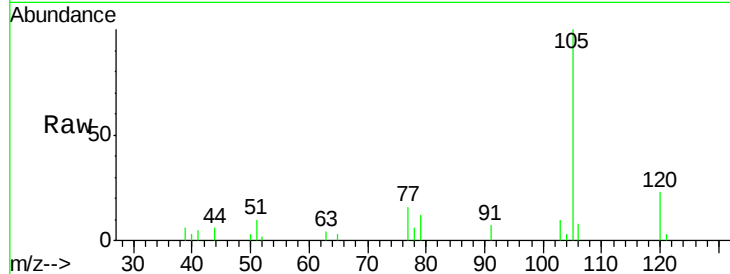
ClientSampleId :

MDL05

Tgt Ion:	105	Resp:	7308
Ion Ratio	Lower	Upper	
105	100		
120	23.8	20.7	31.1
77	17.1	13.5	20.3

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.454 ug/L

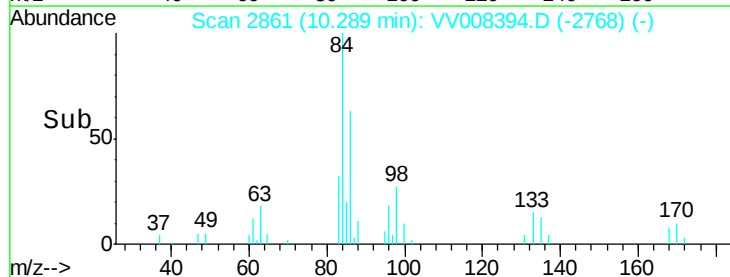
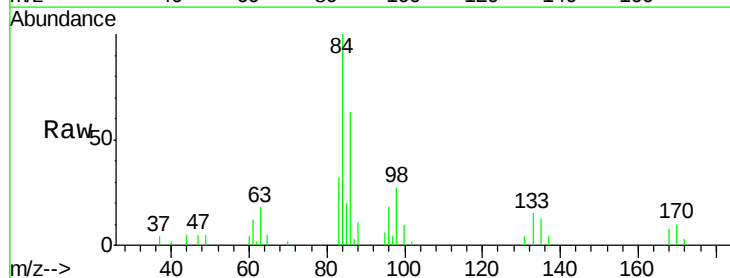
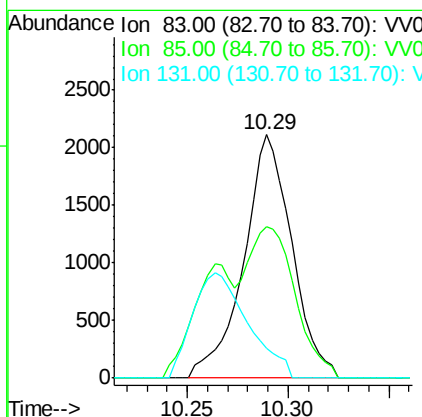
RT: 10.29 min Scan# 2861

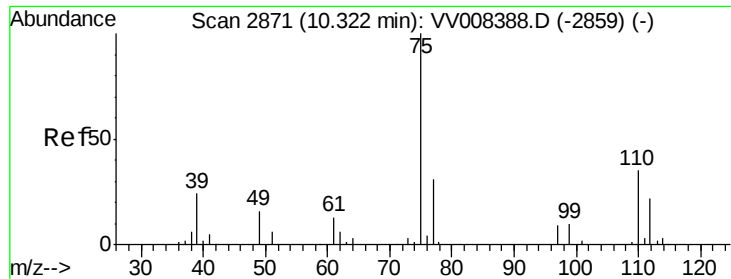
Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Tgt Ion:	83	Resp:	3526
Ion Ratio	Lower	Upper	
83	100		
85	62.4	45.8	85.2
131	12.4	7.3	10.9#





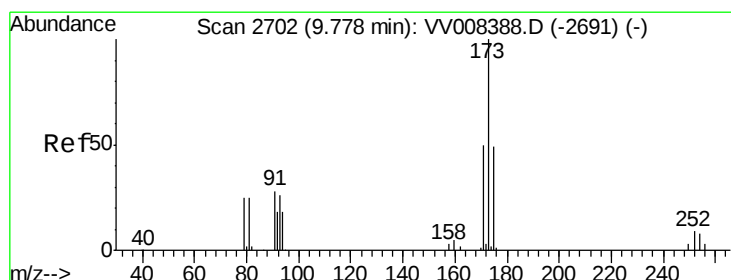
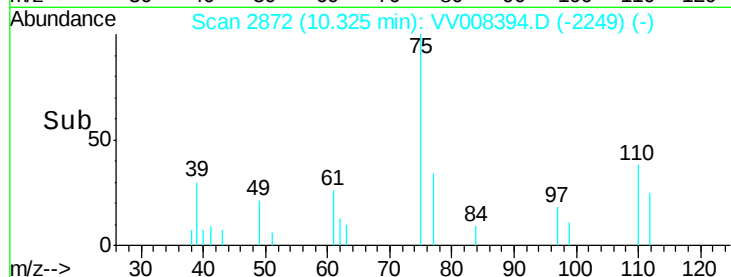
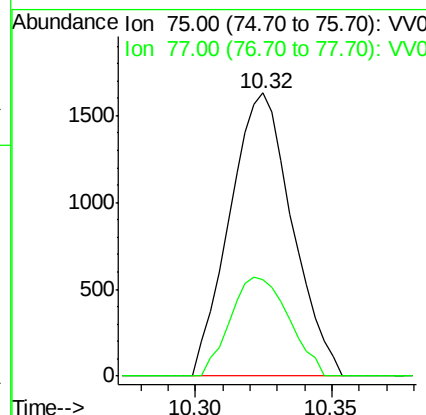
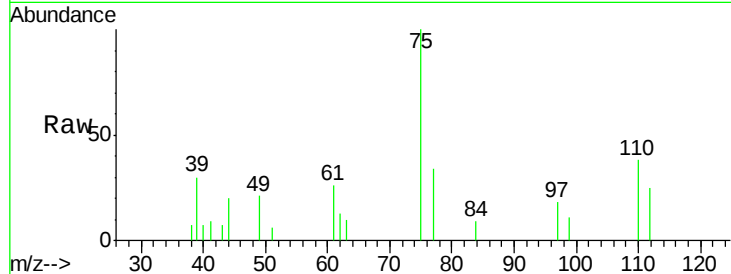
#59
 1,2,3-Trichloropropane
 Concen: 1.318 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

Tgt Ion: 75 Resp: 2587
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8

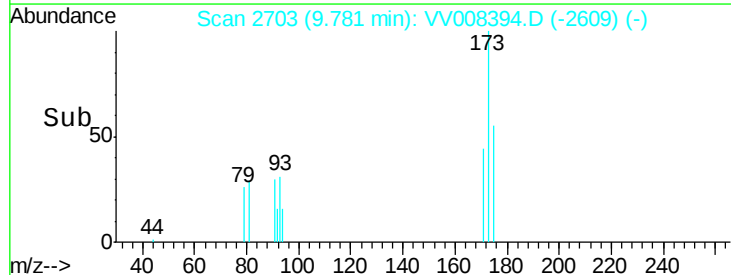
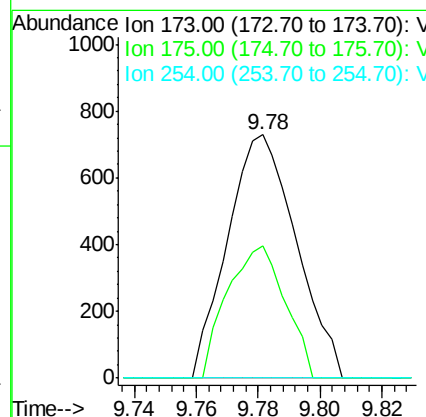
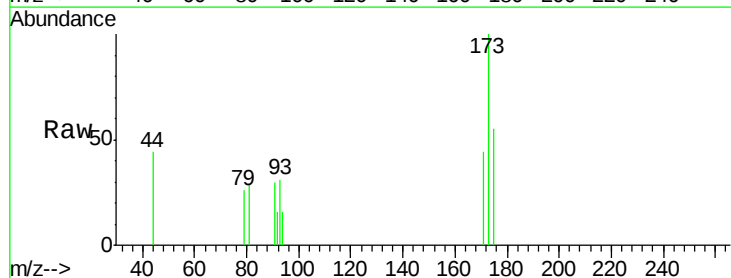
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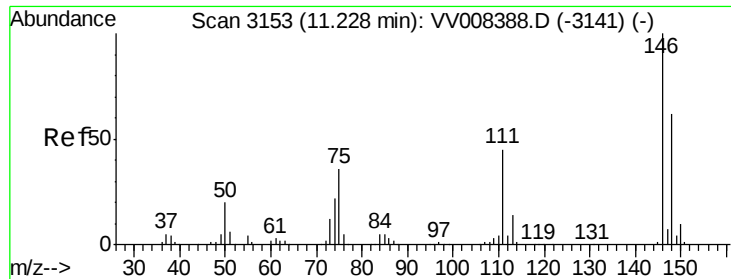
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#61
 Bromoform
 Concen: 1.190 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Tgt Ion: 173 Resp: 1122
 Ion Ratio Lower Upper
 173 100
 175 45.9 38.6 57.8
 254 0.0 5.9 8.9#





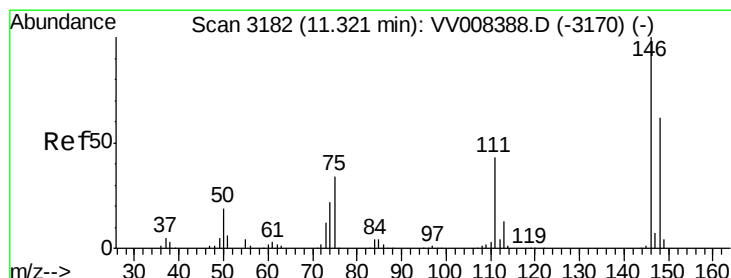
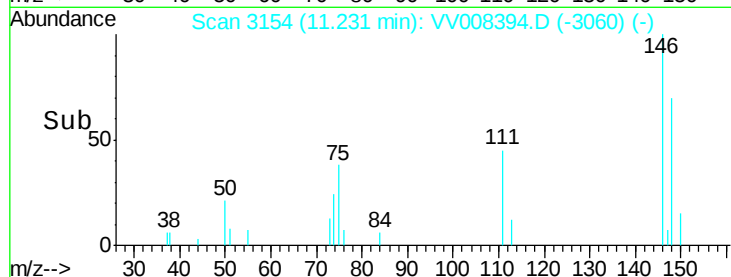
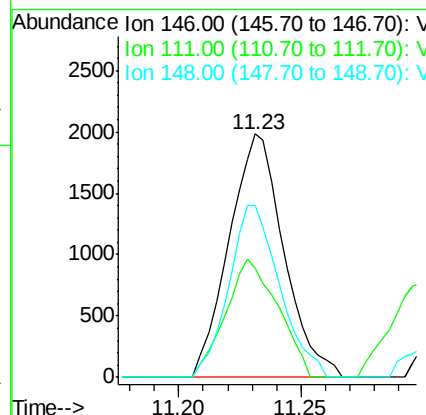
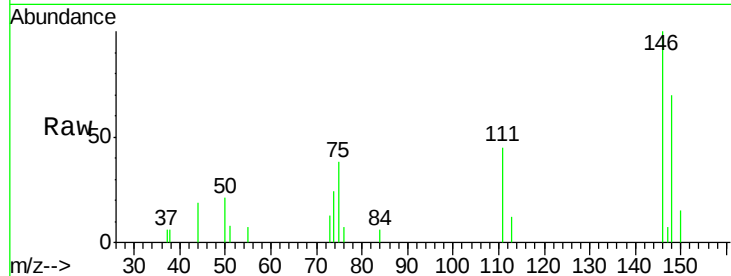
#62
 1,3-Dichlorobenzene
 Concen: 1.247 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	30.9	57.3
148	70.4	44.1	81.9

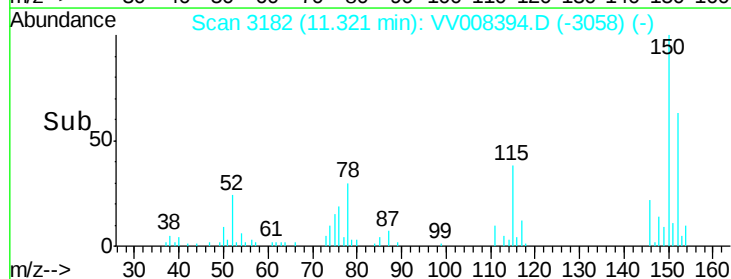
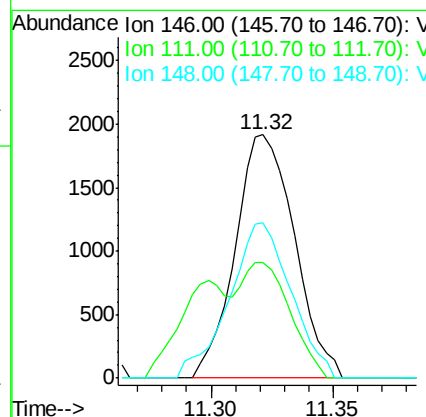
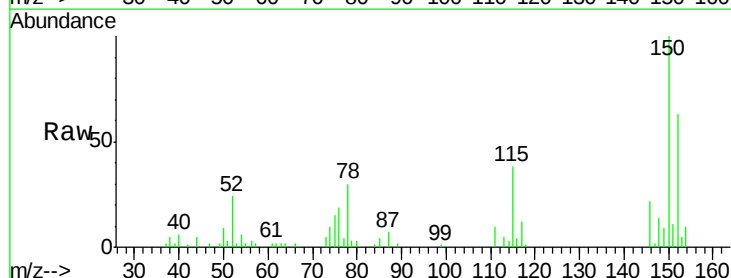
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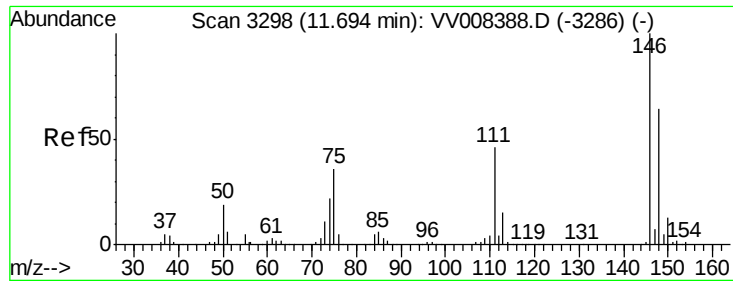
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#63
 1,4-Dichlorobenzene
 Concen: 1.305 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.4	29.8	55.4
148	64.0	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 1.259 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

Instrument :

MSVOA_V

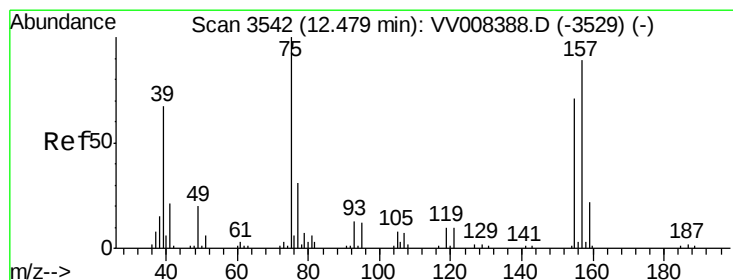
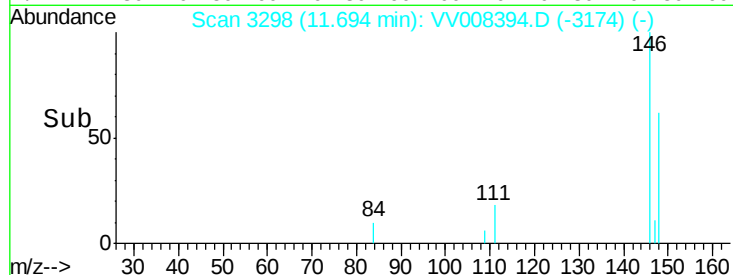
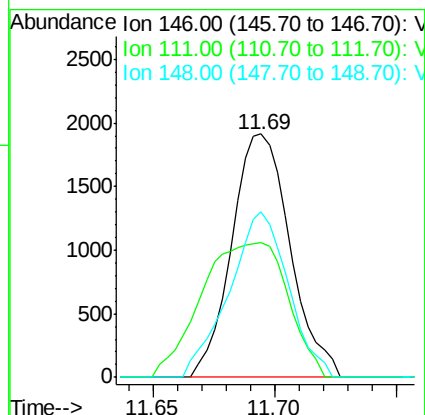
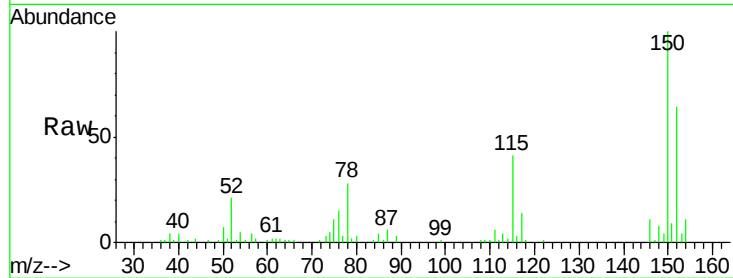
ClientSampleId :

MDL05

Tgt Ion: 146 Resp: 3171
 Ion Ratio Lower Upper
 146 100
 111 55.2 36.2 54.2#
 148 68.2 50.3 75.5

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#66

1,2-Dibromo-3-chloropropane

Concen: 1.253 ug/L m

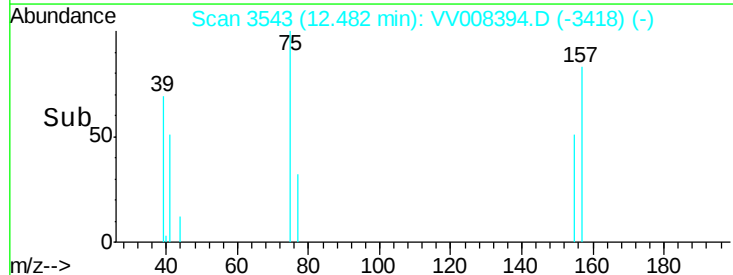
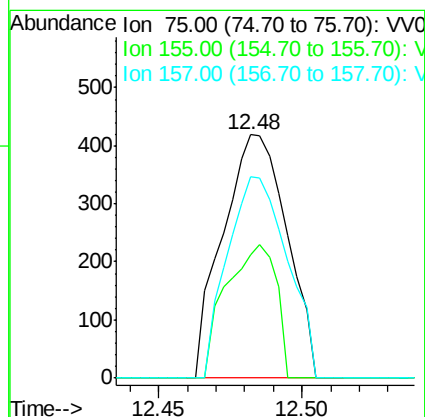
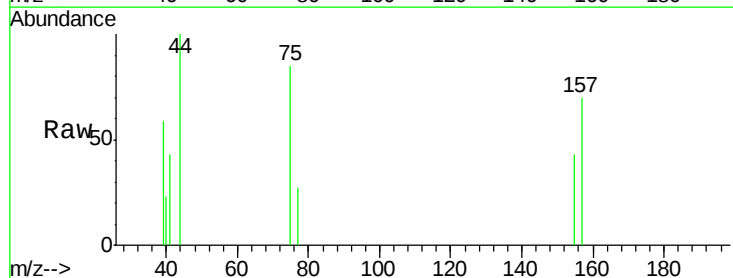
RT: 12.48 min Scan# 3543

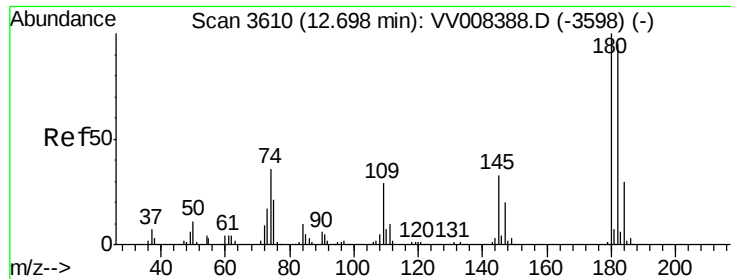
Delta R.T. 0.00 min

Lab File: VV008394.D

Acq: 24 Oct 2018 16:13

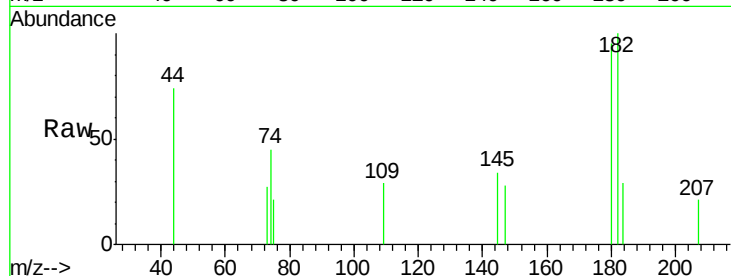
Tgt Ion: 75 Resp: 649
 Ion Ratio Lower Upper
 75 100
 155 50.8 55.4 83.0#
 157 82.6 72.8 109.2





#67
 1,3,5-Trichlorobenzene
 Concen: 0.633 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.62 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

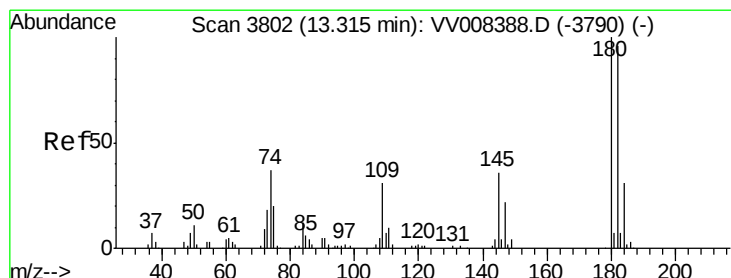
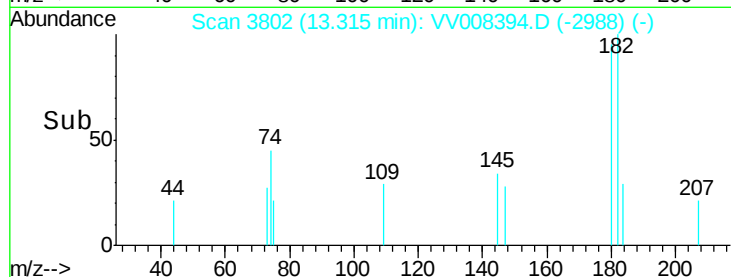
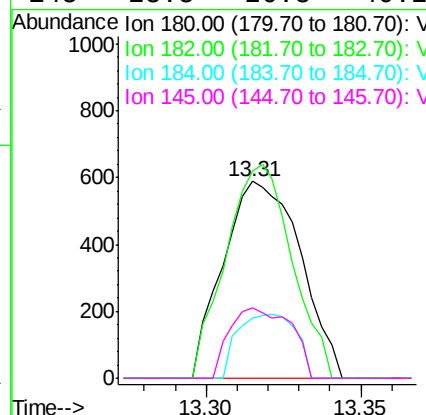
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.9	113.9
184	24.6	24.1	36.1
145	28.5	26.8	40.2

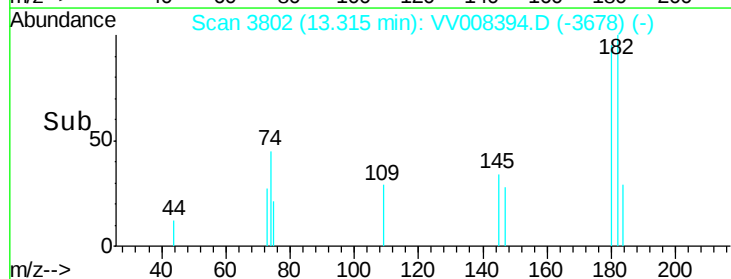
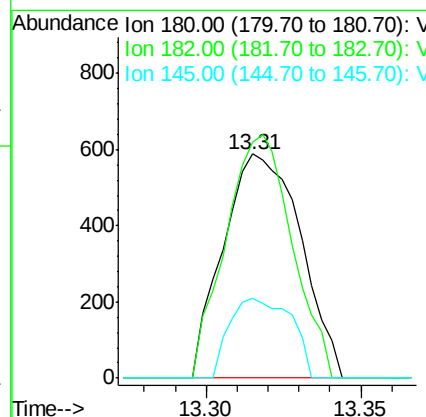
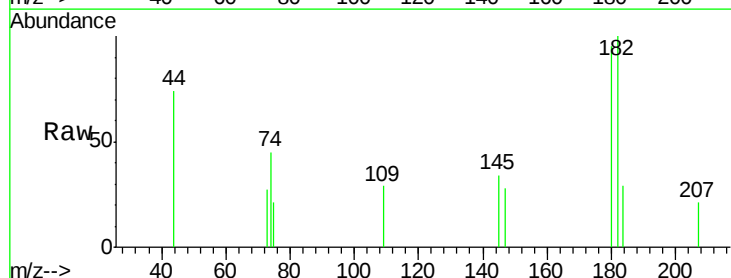
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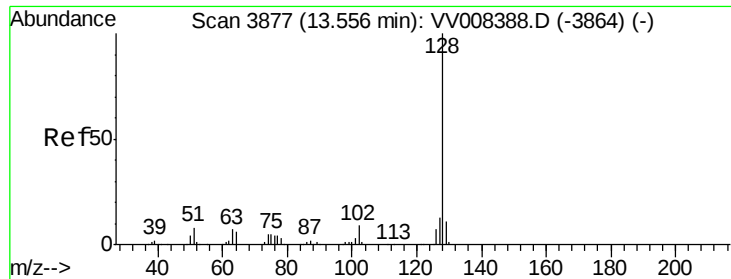
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#68
 1,2,4-trichlorobenzene
 Concen: 0.782 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008394.D
 Acq: 24 Oct 2018 16:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.4	113.2
145	28.5	27.0	40.6





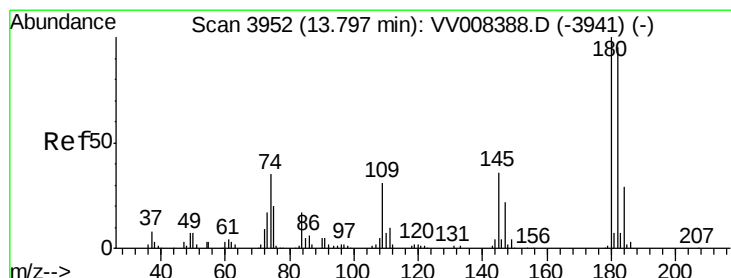
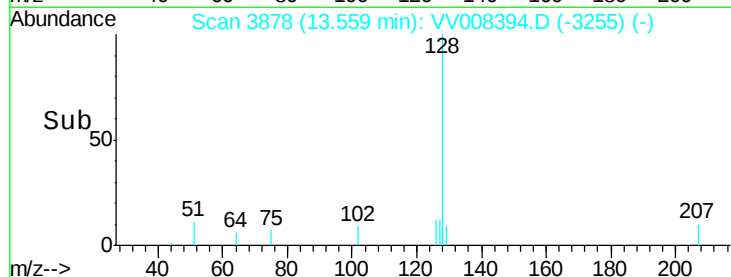
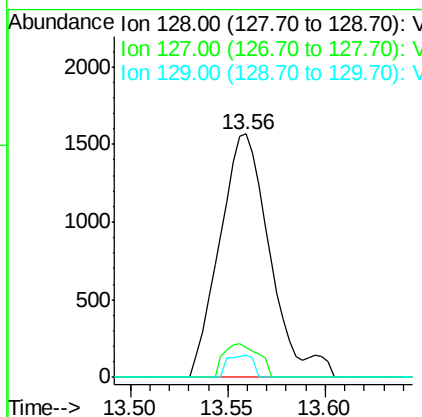
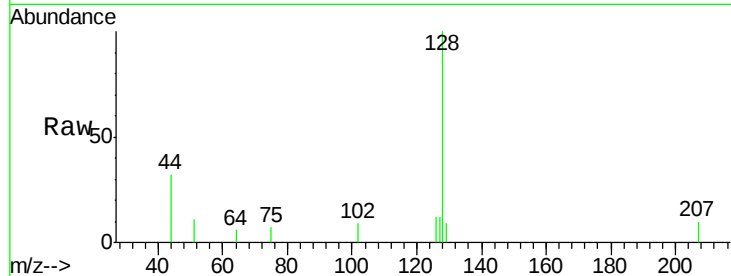
#69
Naphthalene
Concen: 0.664 ug/L m
RT: 13.56 min Scan# 3878
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.6	15.8#
129	0.0	8.9	13.3#

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#70
1,2,3-Trichlorobenzene
Concen: 0.700 ug/L
RT: 13.80 min Scan# 3953
Delta R.T. 0.00 min
Lab File: VV008394.D
Acq: 24 Oct 2018 16:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.5	75.7	113.5
145	32.7	28.6	43.0

