

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008392.D
 Acq On : 24 Oct 2018 15:03
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:40:44 PM

Quant Time: Oct 25 09:10:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 08:48:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	196476	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	178565	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75508	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48562	44.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.28%
7) Chloroethane-d5	1.57	69	37673	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.92%
11) 1,1-Dichloroethene-d2	2.13	63	66778	33.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.98%
21) 2-Butanone-d5	3.93	46	116006	98.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.12%
24) Chloroform-d	4.41	84	122880	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.09	65	85819	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
32) Benzene-d6	5.10	84	247104	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.12%
36) 1,2-Dichloropropane-d6	6.12	67	85289	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.36	98	222719	48.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.67	79	41104	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
47) 2-Hexanone-d5	8.14	63	90399	98.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	115648	48.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.68%
64) 1,2-Dichlorobenzene-d4	11.68	152	75426	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1710	1.219 ug/L	97
3) Chloromethane	1.25	50	2344	1.560 ug/L	99
5) Vinyl chloride	1.33	62	1995	1.433 ug/L #	33
6) Bromomethane	1.52	94	692	1.811 ug/L	78
8) Chloroethane	1.59	64	2432	3.324 ug/L	85
9) Trichlorofluoromethane	1.76	101	2309	1.288 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1770	1.890 ug/L #	71
12) 1,1-Dichloroethene	2.14	96	1778	2.017 ug/L #	1
13) Acetone	2.19	43	3044	3.318 ug/L	96
14) Carbon disulfide	2.32	76	6065	1.528 ug/L	100
15) Methyl Acetate	2.46	43	2646m	1.446 ug/L	
16) Methylene chloride	2.54	84	2274	1.489 ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	1995	1.485 ug/L	94
18) Methyl tert-butyl Ether	2.81	73	6493	1.350 ug/L	94
19) 1,1-Dichloroethane	3.23	63	3669	1.324 ug/L	96
20) cis-1,2-Dichloroethene	3.97	96	2176	1.421 ug/L	98
22) 2-Butanone	4.03	43	3492	2.634 ug/L	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	980	1.357	ug/L #	90
25) Chloroform	4.44	83	4070m	1.504	ug/L	
27) 1,2-Dichloroethane	5.18	62	3289	1.455	ug/L #	94
29) Cyclohexane	4.73	56	3168	1.219	ug/L	97
30) 1,1,1-Trichloroethane	4.67	97	3177m	1.372	ug/L	
31) Carbon tetrachloride	4.88	117	2439	1.241	ug/L	97
33) Benzene	5.15	78	7937	1.360	ug/L	100
34) Trichloroethene	5.97	95	2213	1.481	ug/L	94
35) Methylcyclohexane	6.18	83	2844	1.119	ug/L	96
37) 1,2-Dichloropropane	6.23	63	2517	1.561	ug/L #	89
38) Bromodichloromethane	6.56	83	2693	1.311	ug/L #	98
39) cis-1,3-Dichloropropene	7.08	75	3220	1.271	ug/L	94
40) 4-Methyl-2-pentanone	7.28	43	6829	2.861	ug/L #	94
42) Toluene	7.44	91	8252	1.361	ug/L	93
44) trans-1,3-Dichloropropene	7.70	75	3340	1.409	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	1809	1.269	ug/L	98
46) Tetrachloroethene	8.02	164	1338	1.373	ug/L	90
48) 2-Hexanone	8.19	43	5629	3.056	ug/L #	95
49) Dibromochloromethane	8.29	129	2077	1.356	ug/L	97
50) 1,2-Dibromoethane	8.40	107	2116	1.415	ug/L #	85
51) Chlorobenzene	8.93	112	4956	1.328	ug/L	94
52) Ethylbenzene	9.06	91	8984	1.323	ug/L	99
53) m,p-Xylene	9.18	106	3112	1.254	ug/L	98
54) o-xylene	9.59	106	3139	1.267	ug/L	99
55) Styrene	9.61	104	5521	1.322	ug/L	96
56) Isopropylbenzene	9.98	105	7981	1.231	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.29	83	3948	1.582	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	2590	1.282	ug/L	93
61) Bromoform	9.78	173	1174	1.232	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	3348	1.341	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	3394	1.356	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	3521	1.383	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.48	75	671m	1.282	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	1666	1.022	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	1072	0.813	ug/L	94
69) Naphthalene	13.56	128	3109	0.729	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	1106	0.839	ug/L	98

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

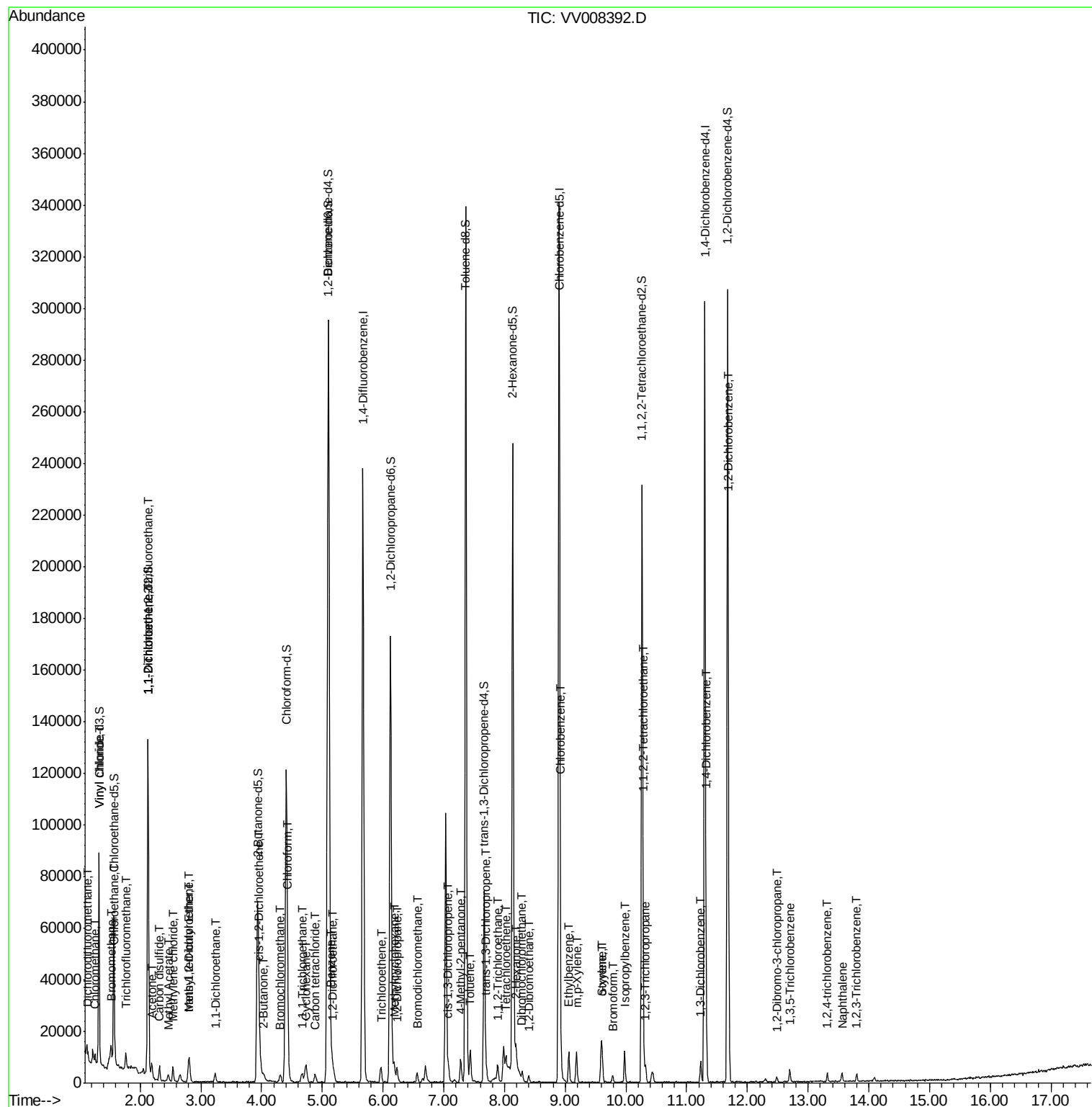
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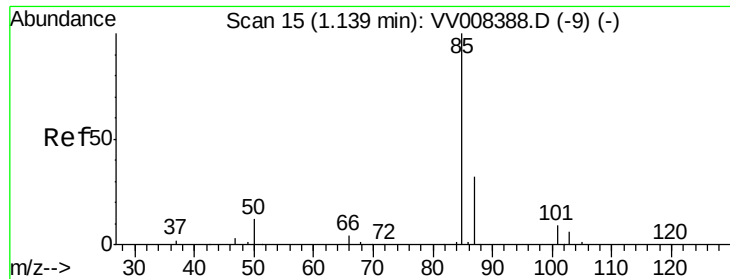
Instrument :
MSVOA_V
ClientSampled :
MDL03

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#2

Dichlorodifluoromethane

Concen: 1.219 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 85 Resp: 1710

Ion Ratio Lower Upper

85 100

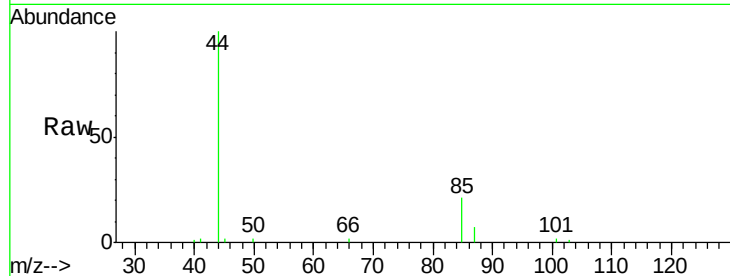
87 33.6 25.4 38.2

Manual Integrations

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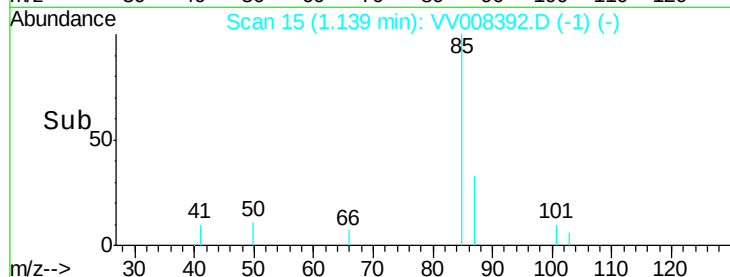


Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-9) (-)

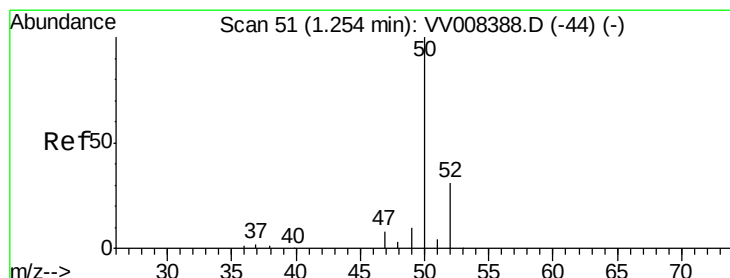
Ion 87.00 (86.70 to 87.70): VV008388.D (-9) (-)

1.14

1.16



Time-->



#3

Chloromethane

Concen: 1.560 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008392.D

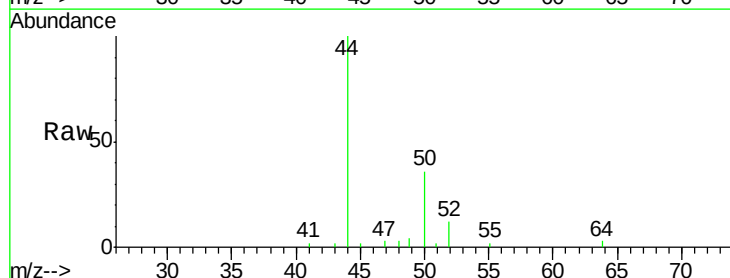
Acq: 24 Oct 2018 15:03

Tgt Ion: 50 Resp: 2344

Ion Ratio Lower Upper

50 100

52 32.4 23.1 42.9

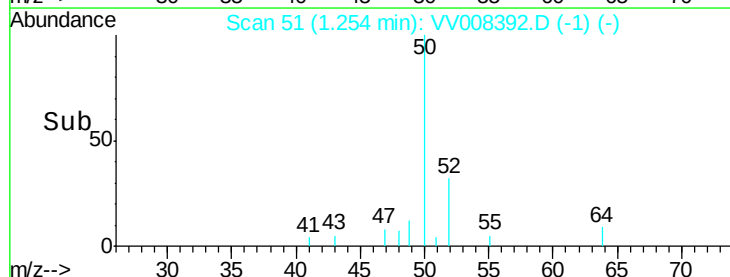


Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-44) (-)

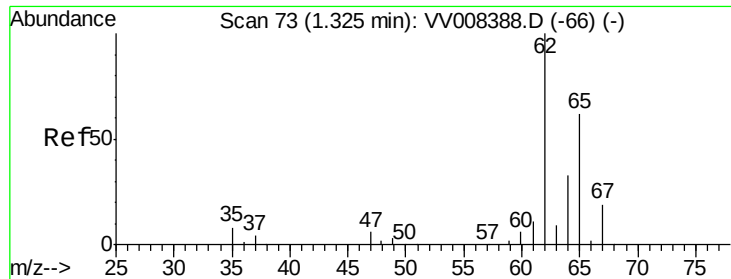
Ion 52.00 (51.70 to 52.70): VV008388.D (-44) (-)

1.25

1.28



Time-->



#5

Vinyl chloride

Concen: 1.433 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 62 Resp: 1995

Ion Ratio Lower Upper

62 100

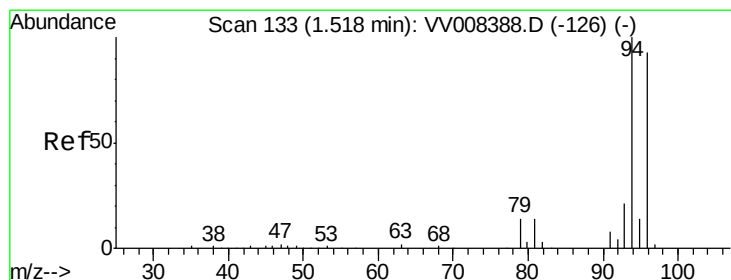
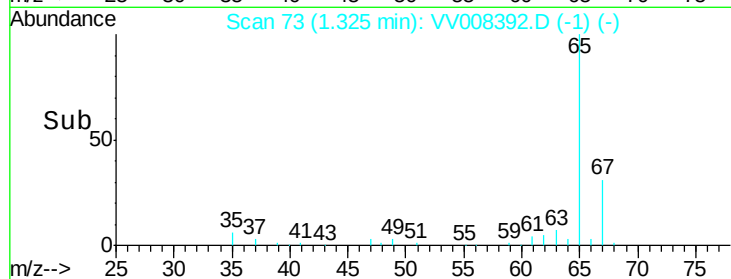
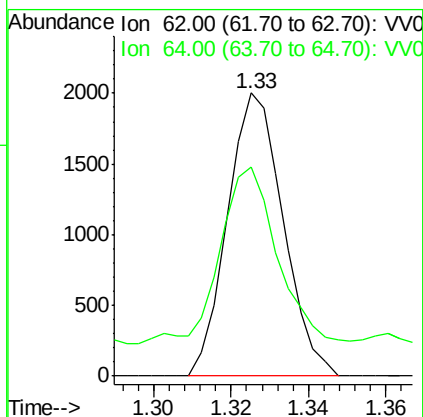
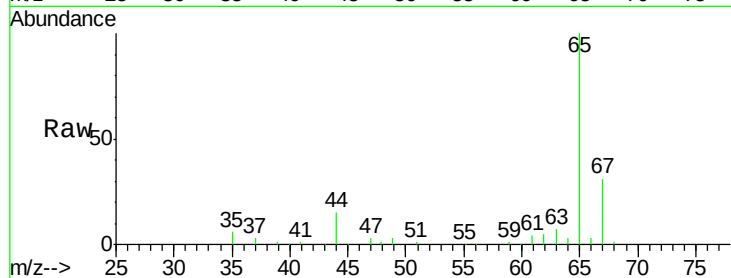
64 73.8 24.4 45.4#

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#6

Bromomethane

Concen: 1.811 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008392.D

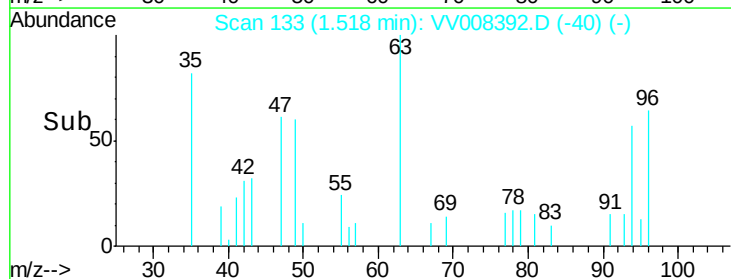
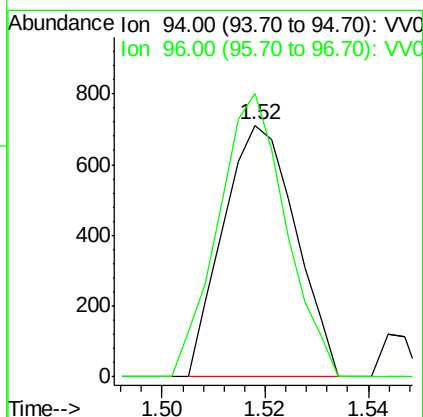
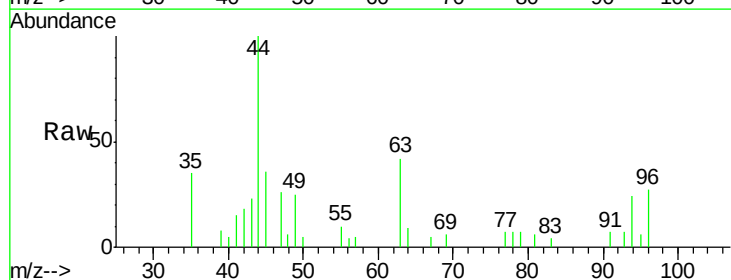
Acq: 24 Oct 2018 15:03

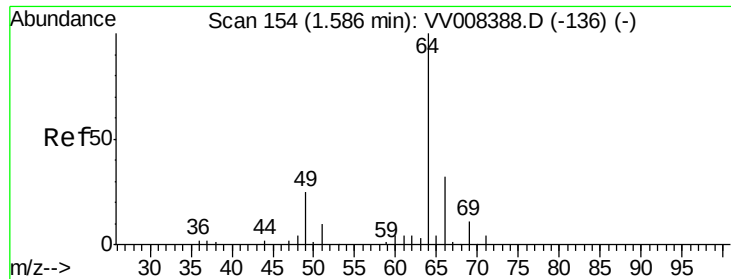
Tgt Ion: 94 Resp: 692

Ion Ratio Lower Upper

94 100

96 112.5 63.8 118.6





#8

Chloroethane

Concen: 3.324 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 64 Resp: 2432

Ion Ratio Lower Upper

64 100

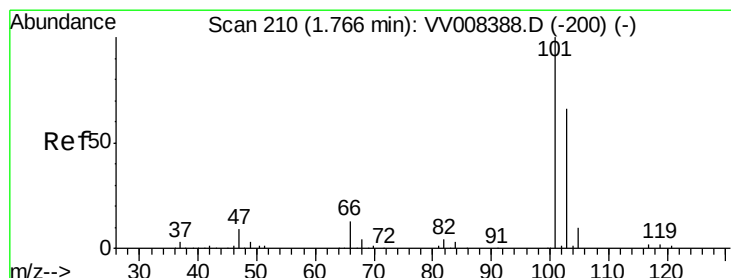
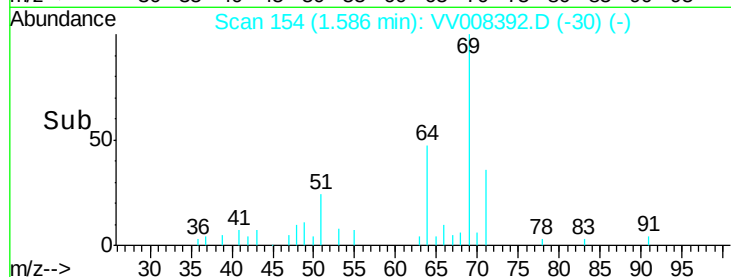
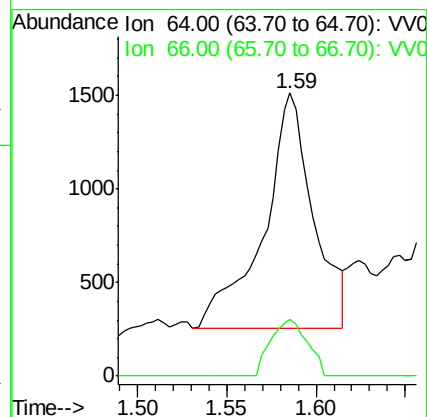
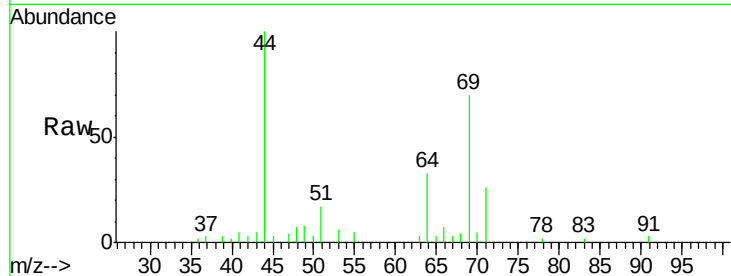
66 20.2 19.9 36.9

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.288 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV008392.D

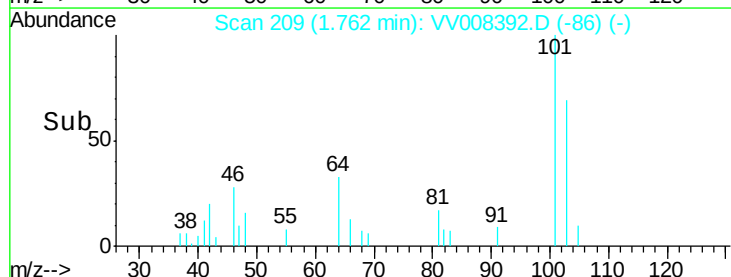
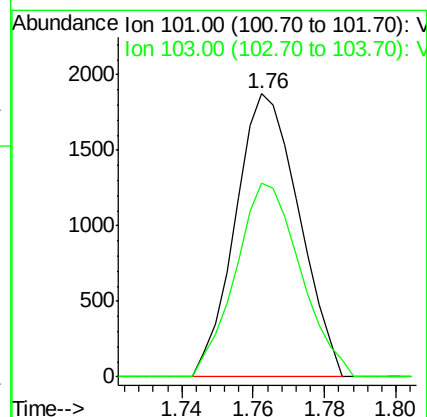
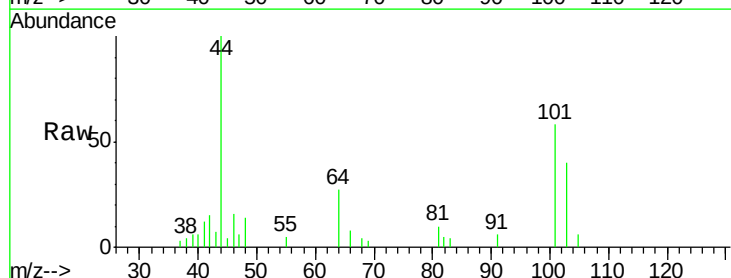
Acq: 24 Oct 2018 15:03

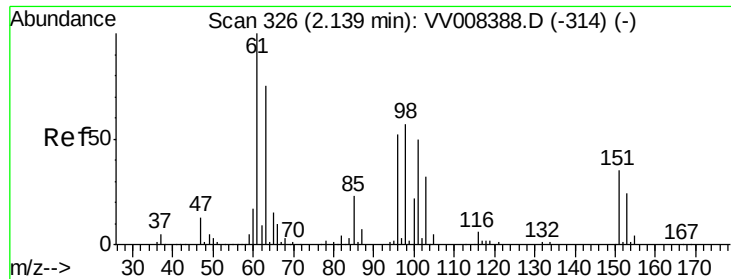
Tgt Ion: 101 Resp: 2309

Ion Ratio Lower Upper

101 100

103 70.2 51.0 76.6





#10

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

Concen: 1.890 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

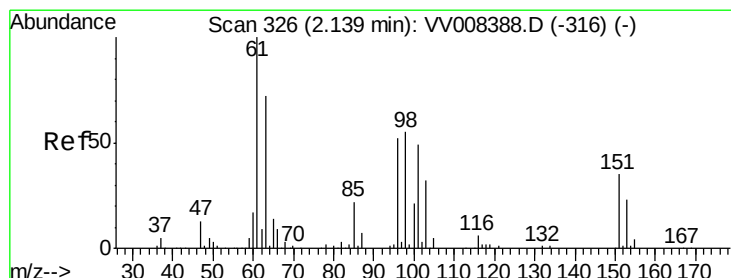
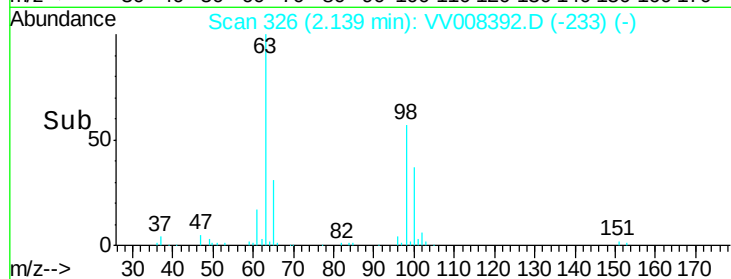
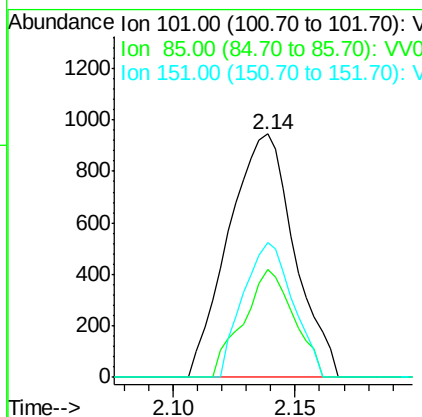
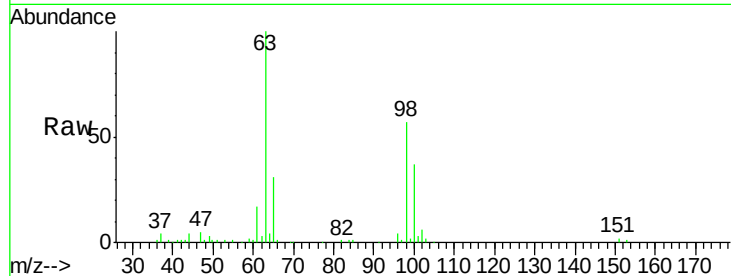
ClientSampleId :

MDL03

Tgt Ion:	101	Resp:	1770
Ion Ratio	Lower	Upper	
101	100		
85	34.1	35.6	53.4#
151	42.0	58.1	87.1#

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#12

1,1-Dichloroethene

Concen: 2.017 ug/L

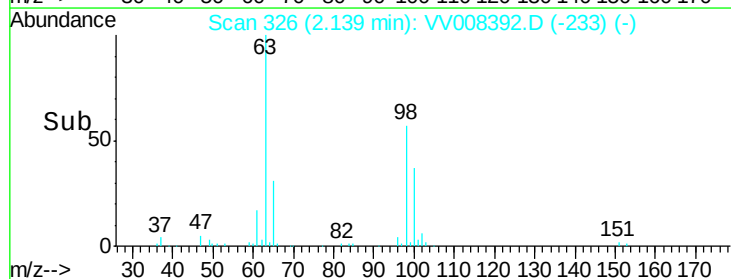
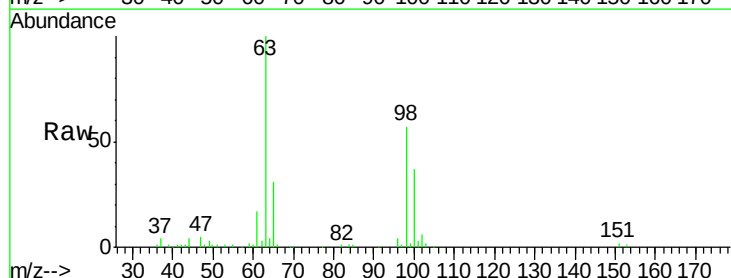
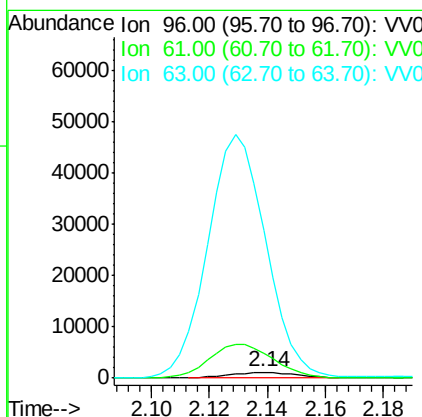
RT: 2.14 min Scan# 326

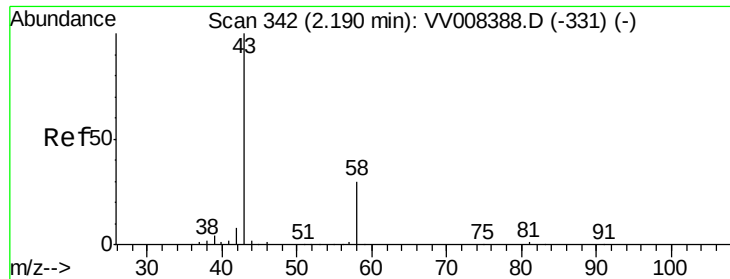
Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Tgt Ion:	96	Resp:	1778
Ion Ratio	Lower	Upper	
96	100		
61	418.3	130.3	242.1#
63	2443.4	84.4	156.8#





#13

Acetone

Concen: 3.318 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 43 Resp: 3044

Ion Ratio Lower Upper

43 100

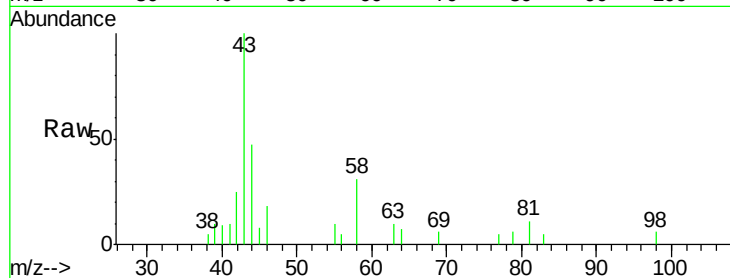
58 33.0 0.0 61.4

Manual Integrations

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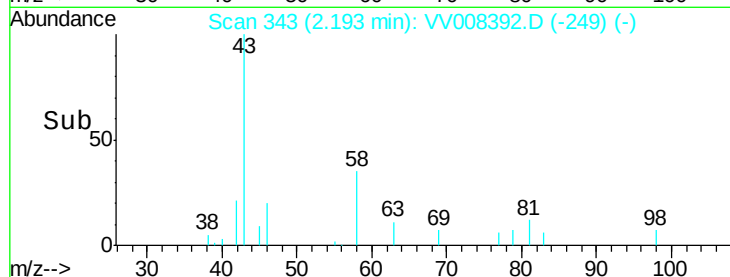


Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-331) (-)

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

2.19

2.15 2.20 2.25



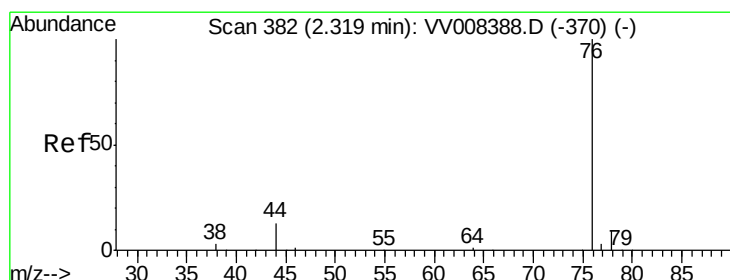
Abundance

Ion 43.00 (42.70 to 43.70): VV008392.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV008392.D (-249) (-)

2.19

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 1.528 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008392.D

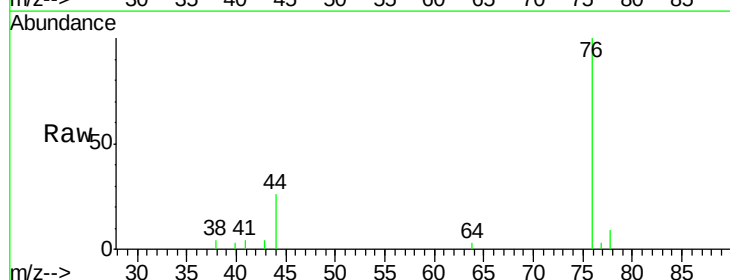
Acq: 24 Oct 2018 15:03

Tgt Ion: 76 Resp: 6065

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

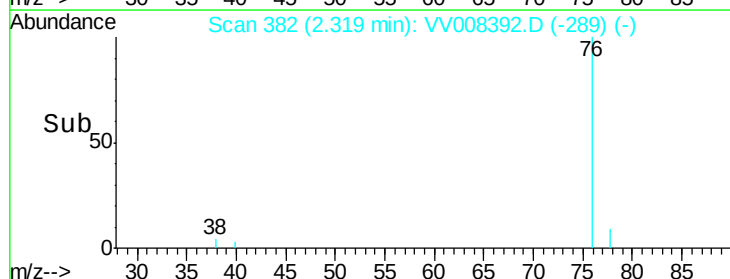


Abundance Ion 76.00 (75.70 to 76.70): VV008388.D (-370) (-)

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

2.32

2.30 2.35



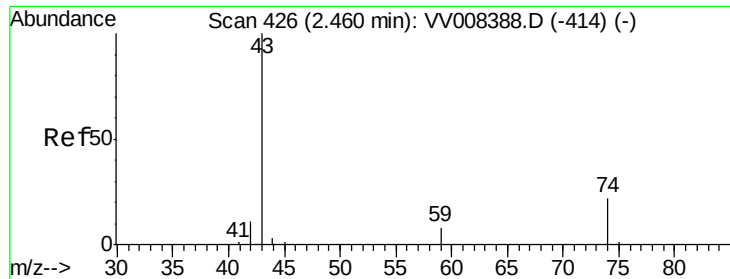
Abundance

Ion 76.00 (75.70 to 76.70): VV008392.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV008392.D (-289) (-)

2.32

2.30 2.35



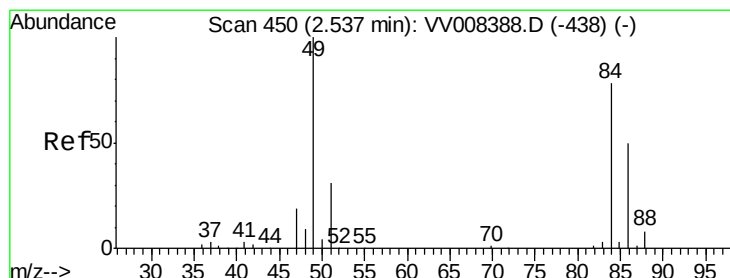
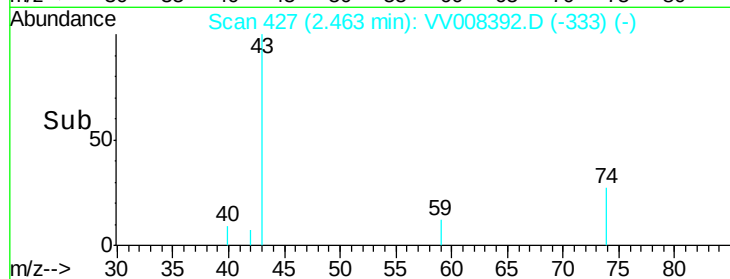
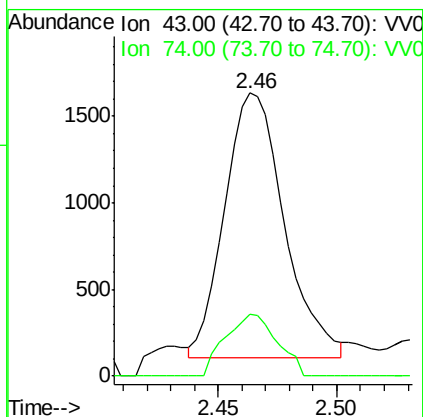
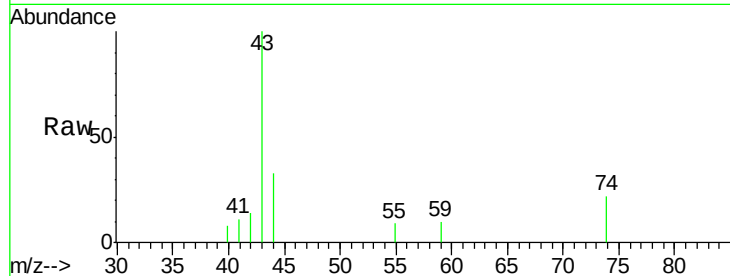
#15
Methyl Acetate
Concen: 1.446 ug/L m
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.6

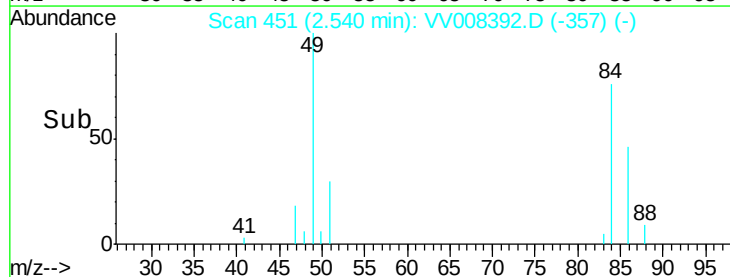
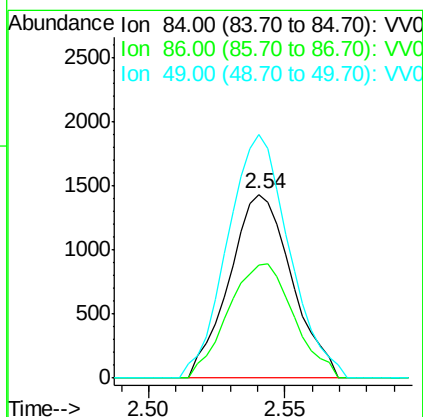
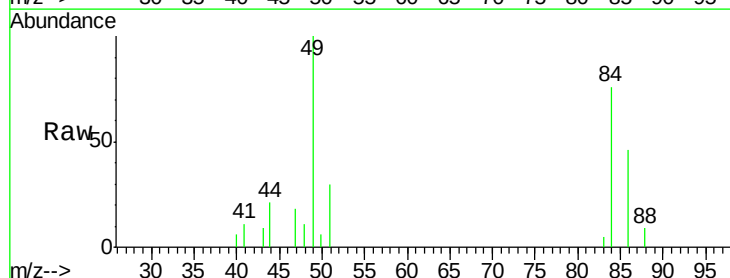
Manual Integrations
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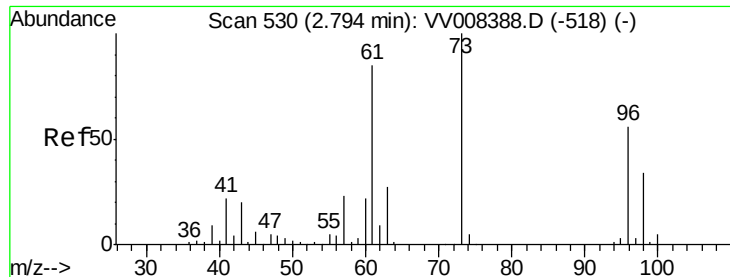
apatel
10/25/2018 4:40:44 PM



#16
Methylene chloride
Concen: 1.489 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion: 84 Resp: 2274
Ion Ratio Lower Upper
84 100
86 61.1 45.6 84.6
49 132.2 90.6 168.3





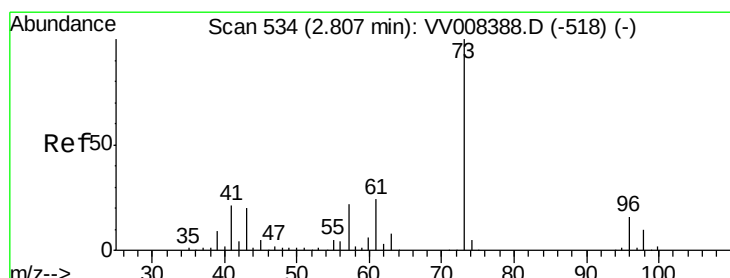
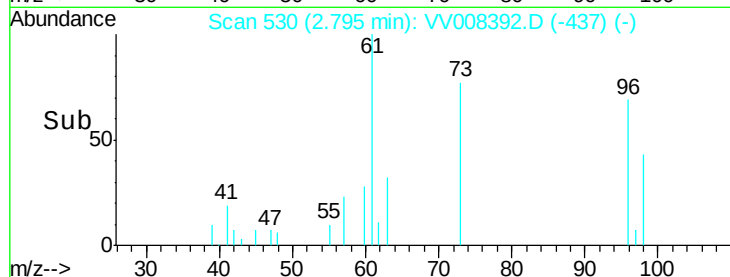
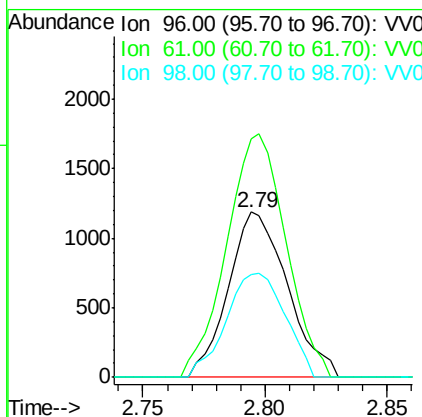
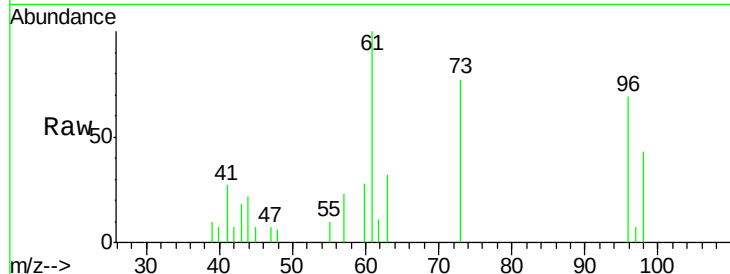
#17
trans-1,2-Dichloroethene
Concen: 1.485 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	108.6	201.6
98	62.3	44.3	82.3

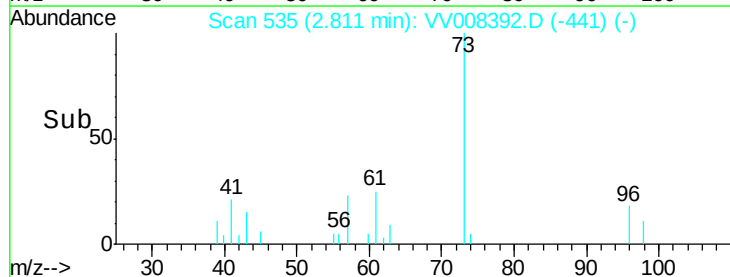
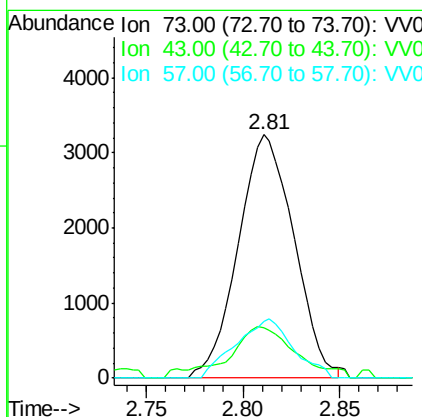
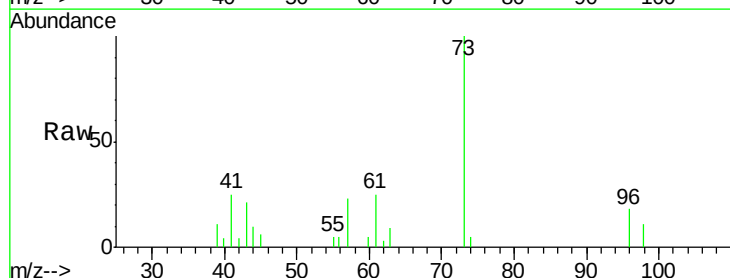
Manual Integrations
APPROVED

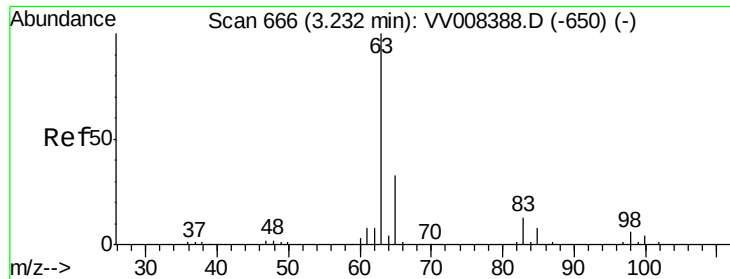
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#18
Methyl tert-butyl Ether
Concen: 1.350 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.9	16.2	24.4
57	25.0	18.2	27.2





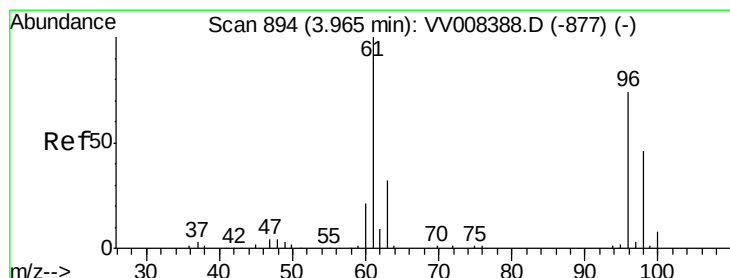
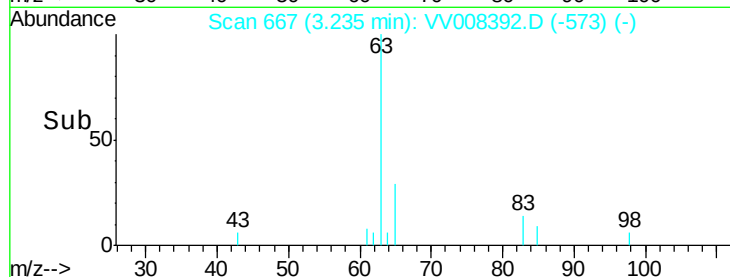
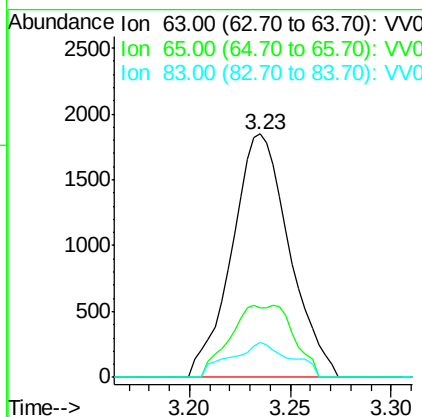
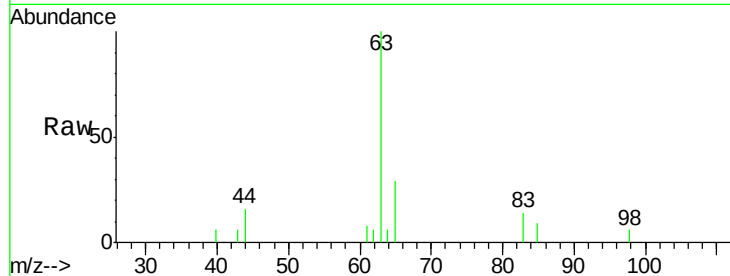
#19
 1,1-Dichloroethane
 Concen: 1.324 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:	63	Resp:	3669
Ion	Ratio	Lower	Upper
63	100		
65	28.7	22.0	40.8
83	14.4	9.3	17.3

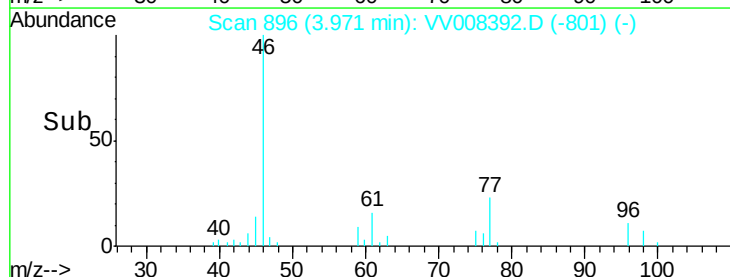
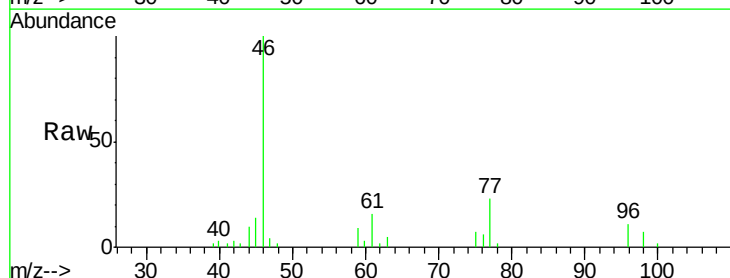
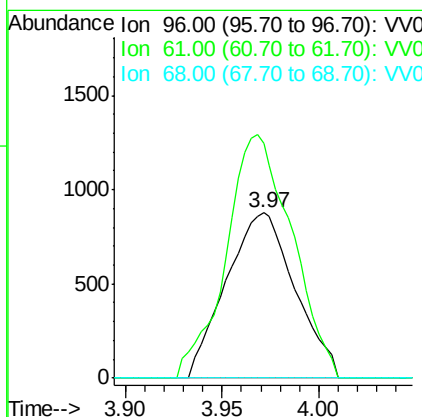
Manual Integrations
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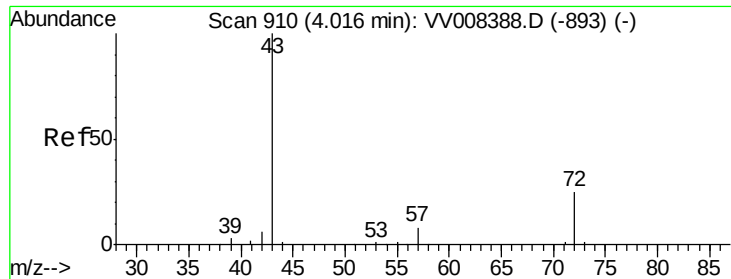
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#20
 cis-1,2-Dichloroethene
 Concen: 1.421 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion:	96	Resp:	2176
Ion	Ratio	Lower	Upper
96	100		
61	141.9	100.9	187.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 2.634 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.02 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 43 Resp: 3492

Ion Ratio Lower Upper

43 100

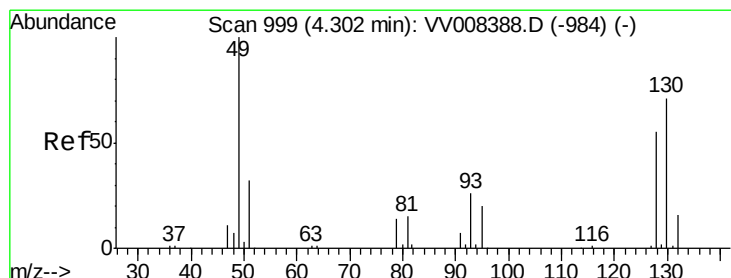
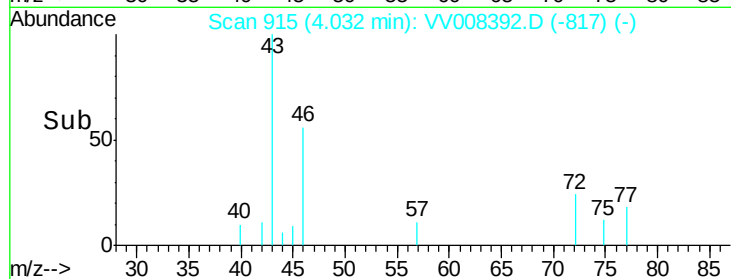
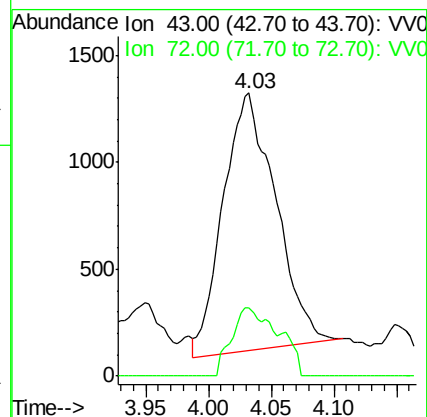
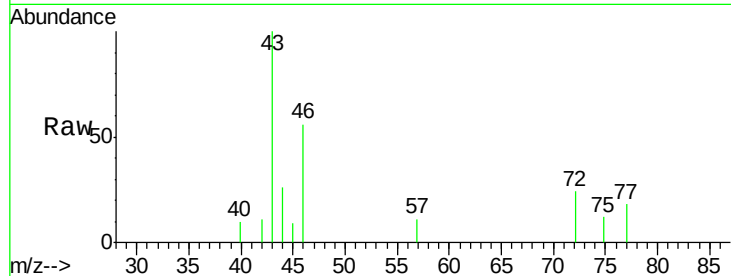
72 14.1 13.0 38.9

Manual Integrations

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#23

Bromochloromethane

Concen: 1.357 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Tgt Ion: 128 Resp: 980

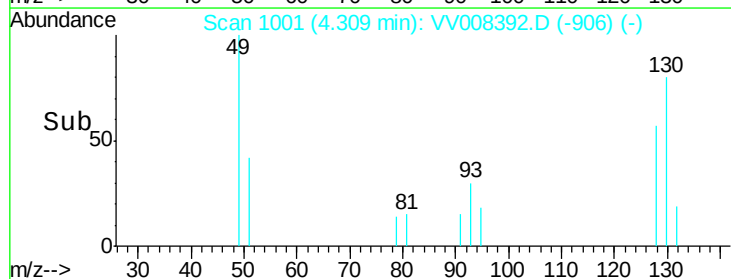
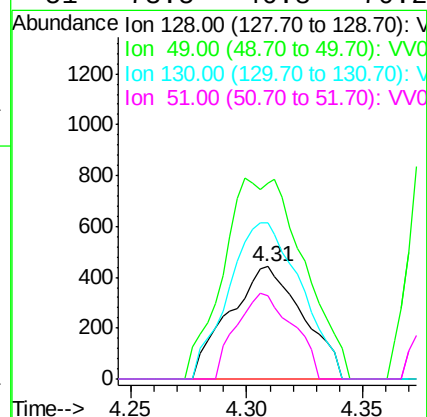
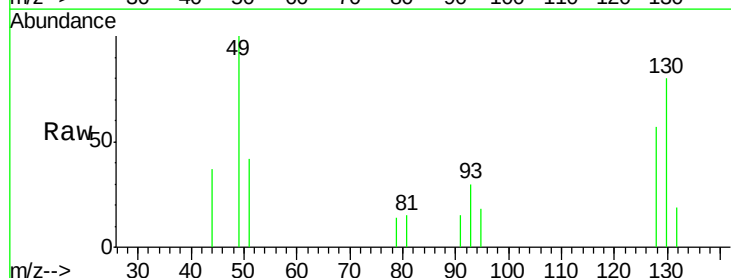
Ion Ratio Lower Upper

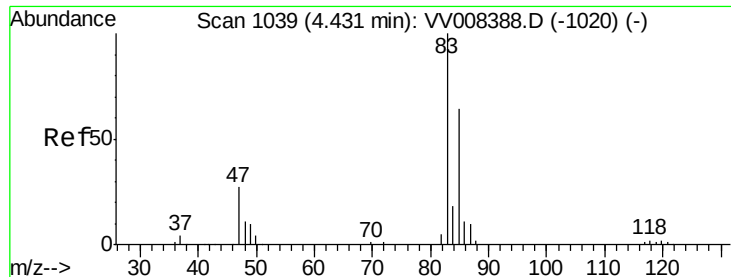
128 100

49 174.4 128.0 237.8

130 139.1 89.2 165.8

51 73.5 46.8 70.2#





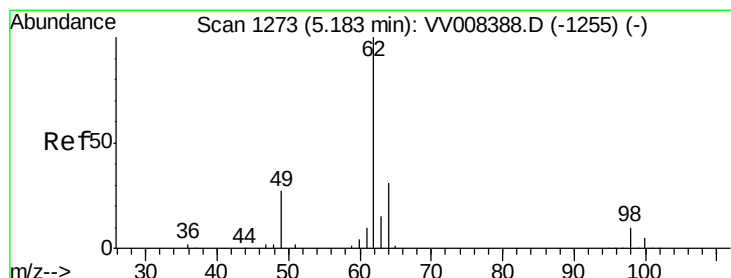
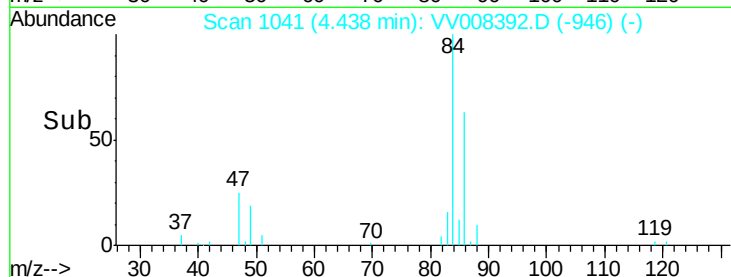
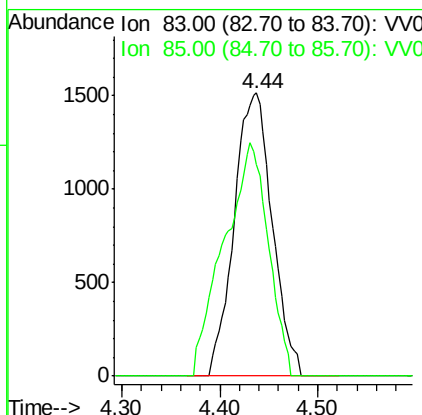
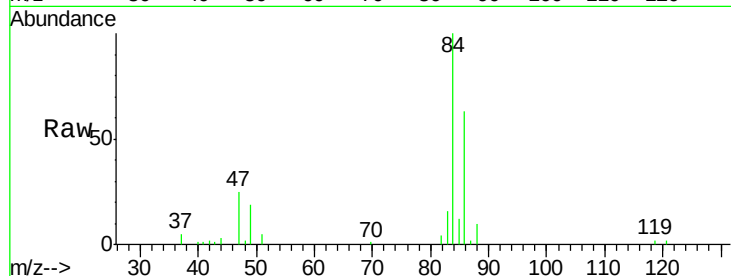
#25
Chloroform
Concen: 1.504 ug/L m
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 4070
Ion Ratio Lower Upper
83 100
85 74.8 45.8 85.2

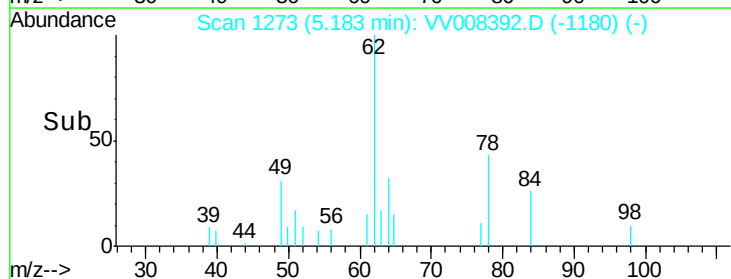
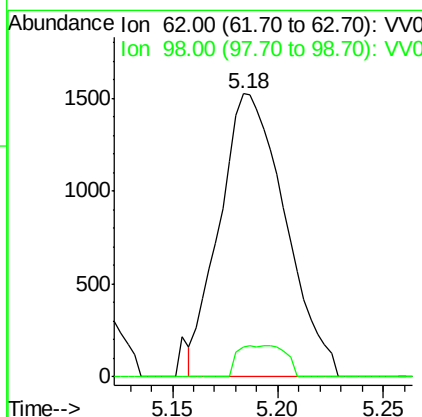
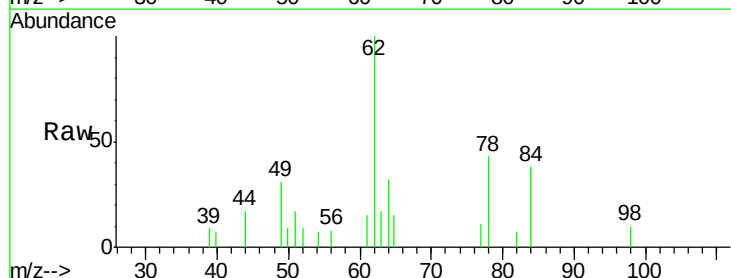
Manual Integrations
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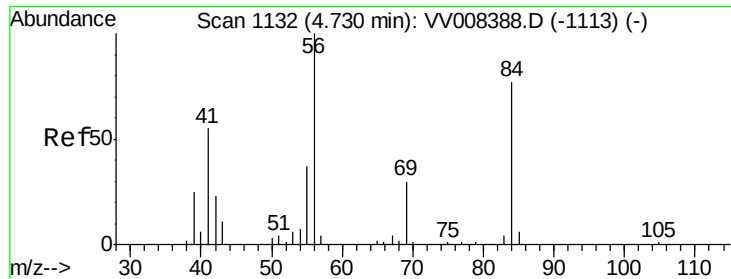
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#27
1,2-Dichloroethane
Concen: 1.455 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion: 62 Resp: 3289
Ion Ratio Lower Upper
62 100
98 10.5 6.6 9.8#





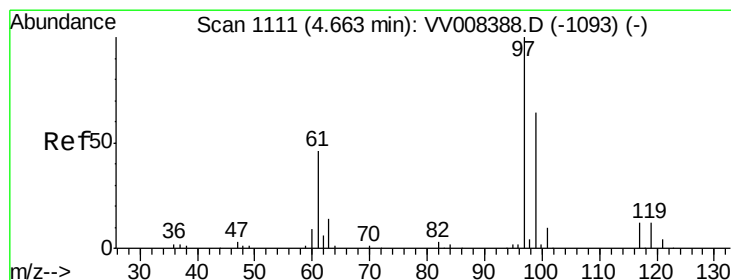
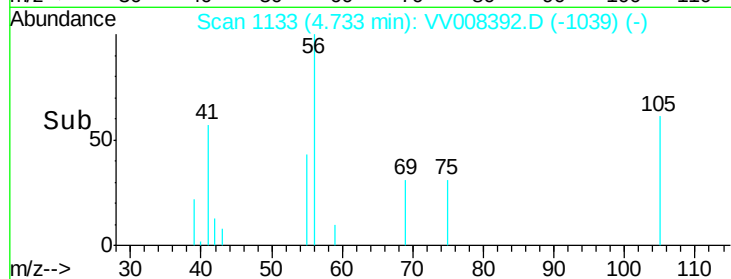
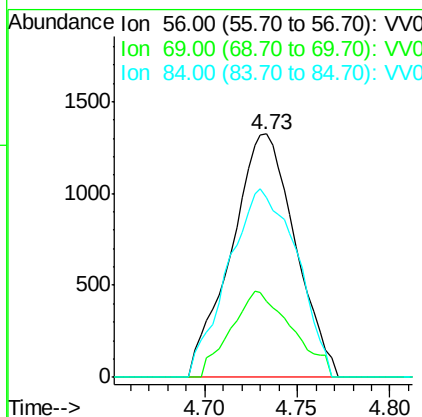
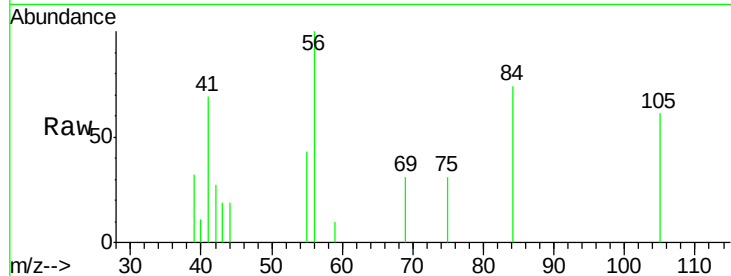
#29
Cyclohexane
Concen: 1.219 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.6	37.0
84	83.6	65.0	97.4

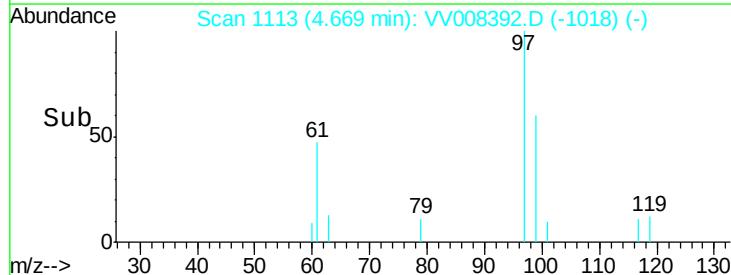
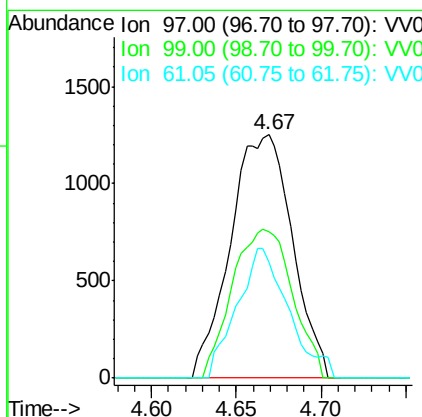
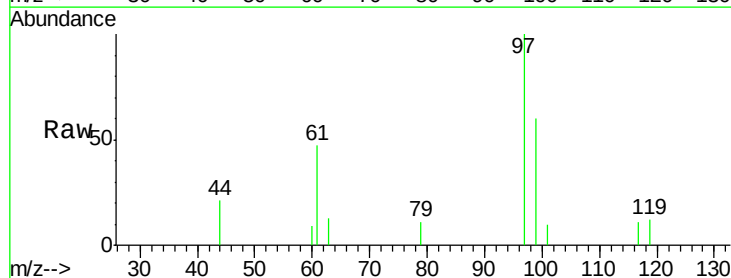
Manual Integrations
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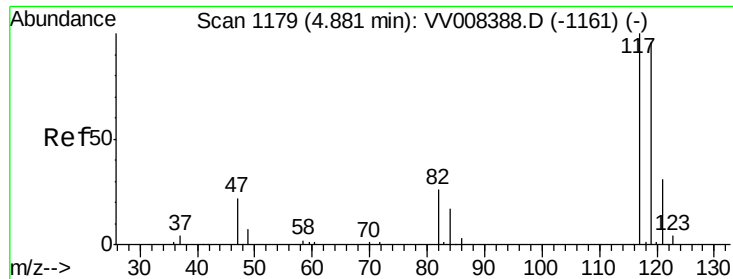
apatel
10/25/2018 4:40:44 PM



#30
1,1,1-Trichloroethane
Concen: 1.372 ug/L m
RT: 4.67 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.6	51.6	77.4
61	43.0	36.5	54.7





#31

Carbon tetrachloride

Concen: 1.241 ug/L

RT: 4.88 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion:117 Resp: 2439

Ion Ratio Lower Upper

117 100

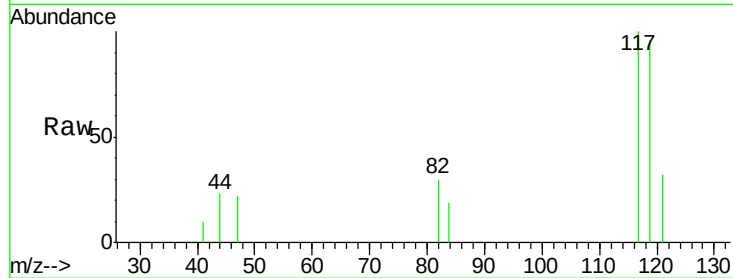
119 97.3 75.8 113.8

Manual Integrations

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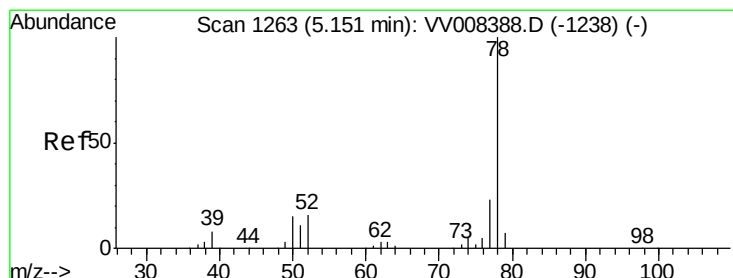
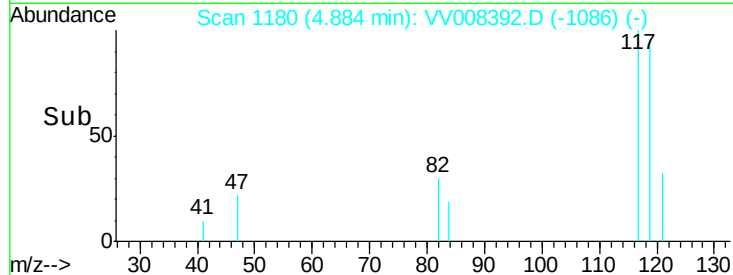
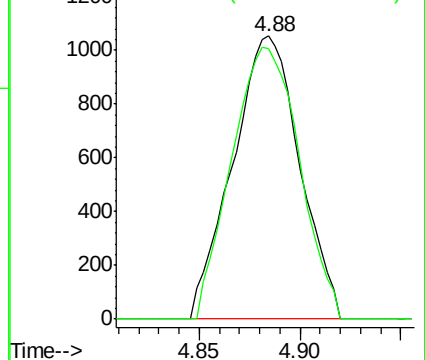
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.360 ug/L

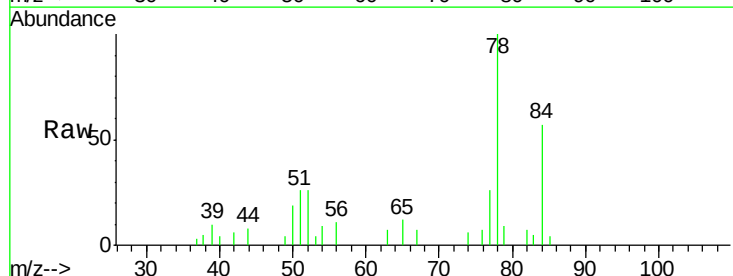
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

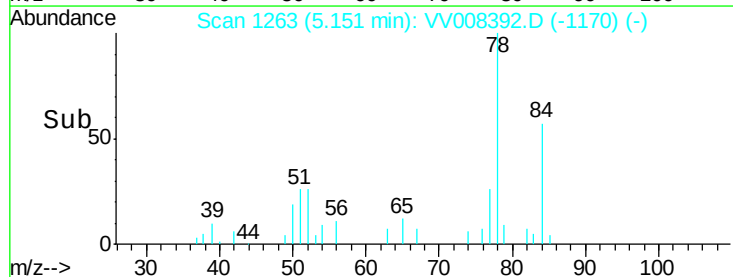
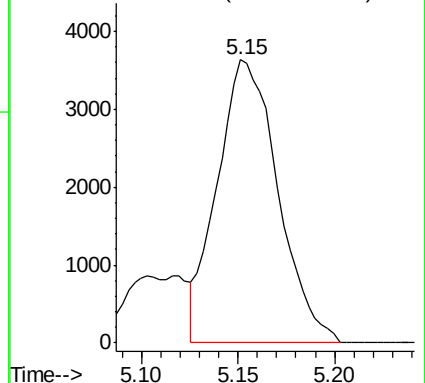
Lab File: VV008392.D

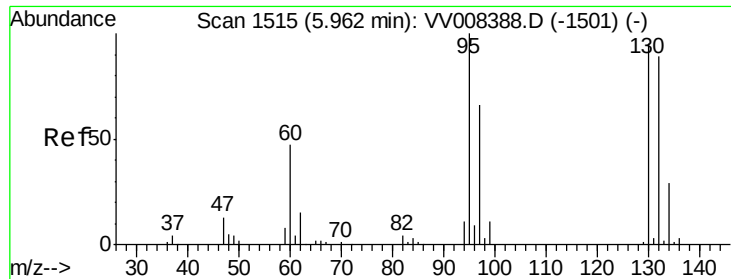
Acq: 24 Oct 2018 15:03

Tgt Ion: 78 Resp: 7937



Abundance Ion 78.00 (77.70 to 78.70): VV0





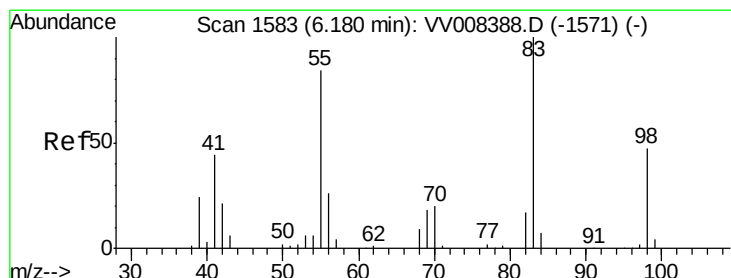
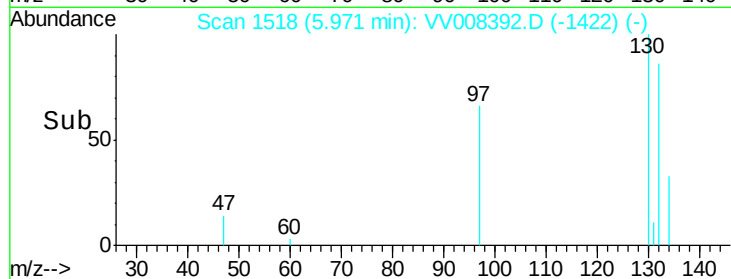
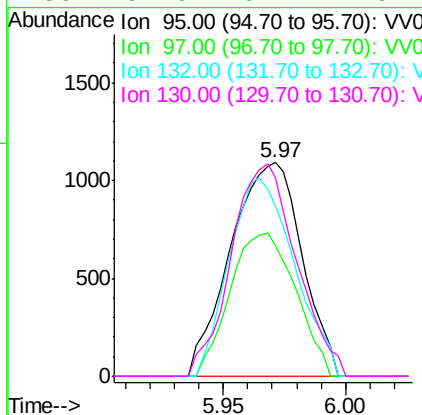
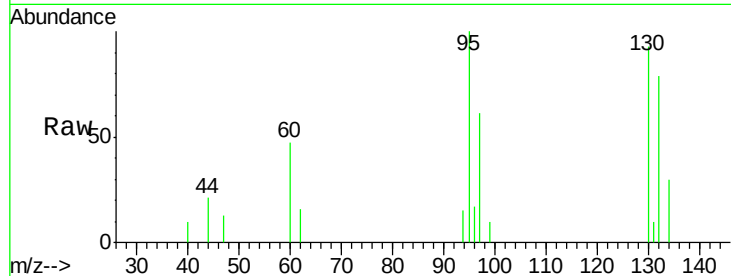
#34
 Trichloroethene
 Concen: 1.481 ug/L
 RT: 5.97 min Scan# 1518
 Delta R.T. 0.01 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 95 Resp: 2213
 Ion Ratio Lower Upper
 95 100
 97 61.3 45.2 84.0
 132 79.5 63.8 118.6
 130 92.9 64.7 120.1

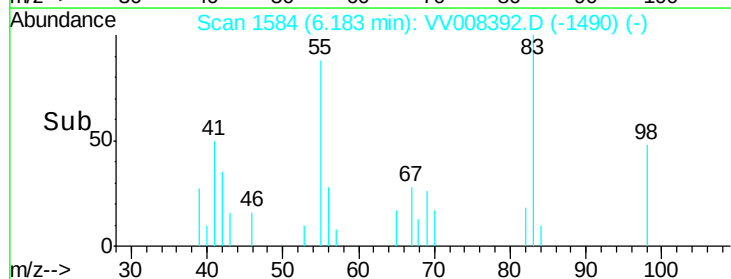
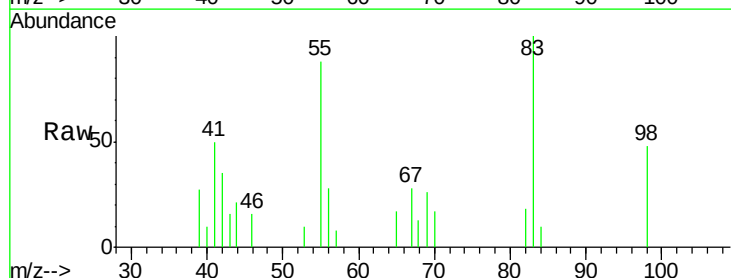
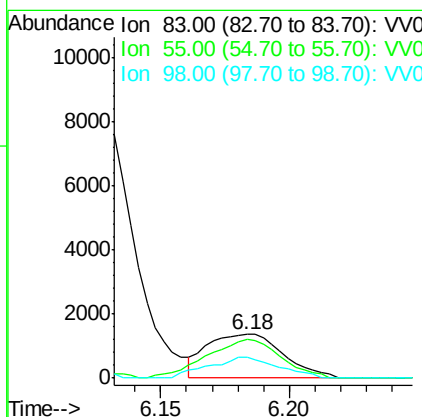
Manual Integrations
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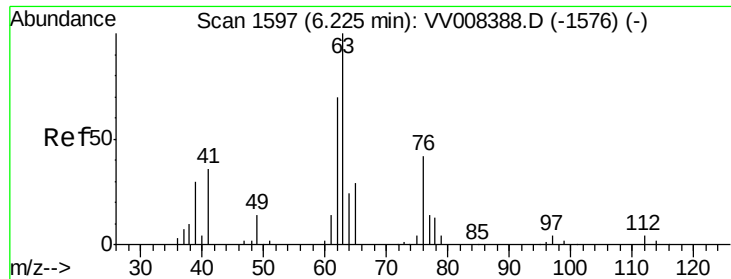
apatel
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#35
 Methylcyclohexane
 Concen: 1.119 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion: 83 Resp: 2844
 Ion Ratio Lower Upper
 83 100
 55 84.6 65.0 97.4
 98 43.1 36.0 54.0





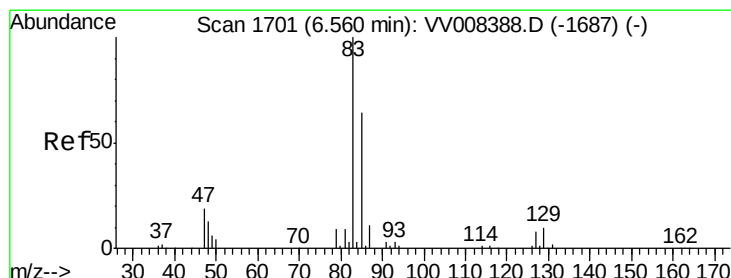
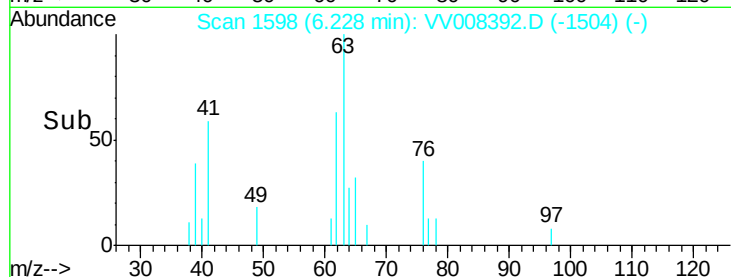
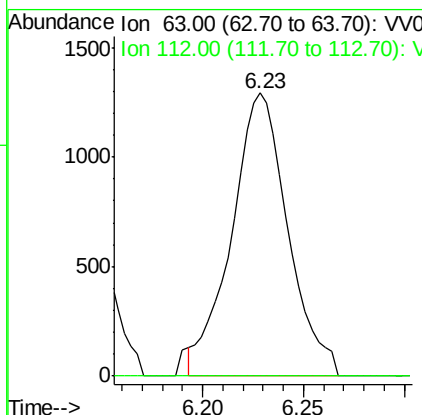
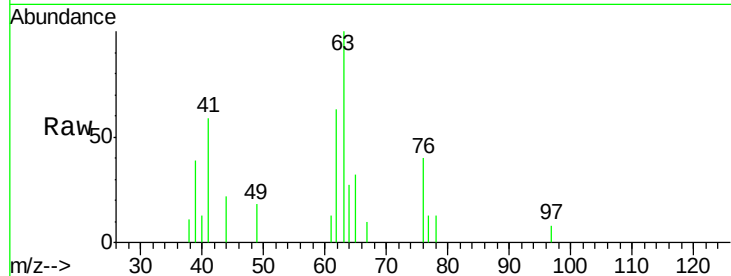
#37
 1,2-Dichloropropane
 Concen: 1.561 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion: 63 Resp: 2517
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#

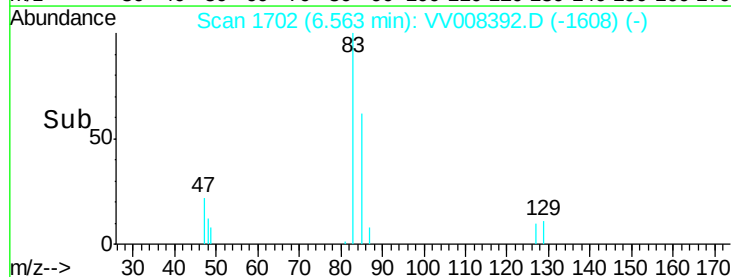
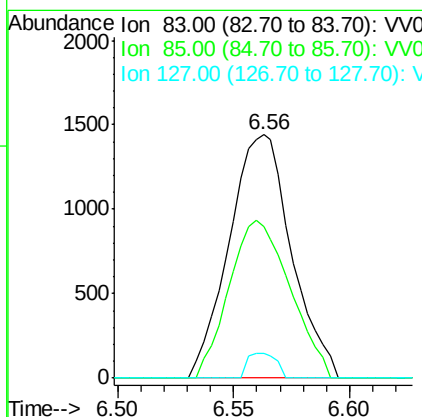
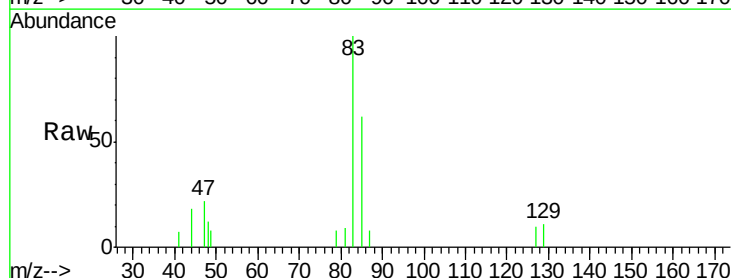
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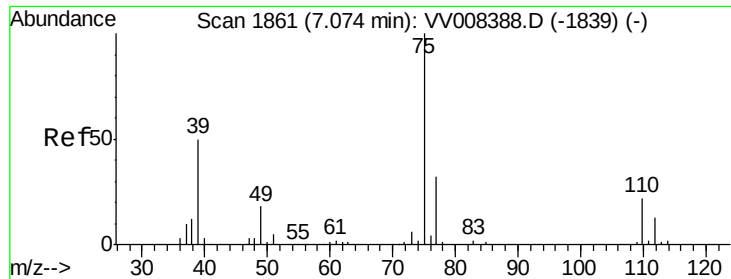
apatel
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#38
 Bromodichloromethane
 Concen: 1.311 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion: 83 Resp: 2693
 Ion Ratio Lower Upper
 83 100
 85 62.1 44.3 82.3
 127 10.2 6.3 9.5#





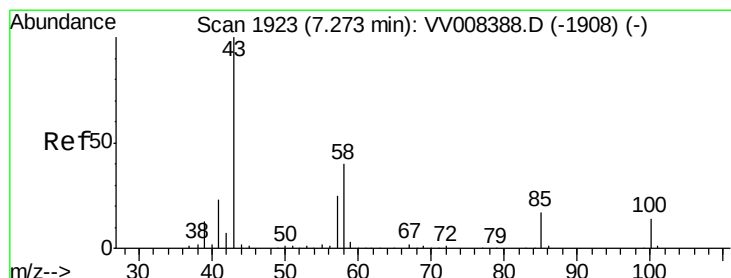
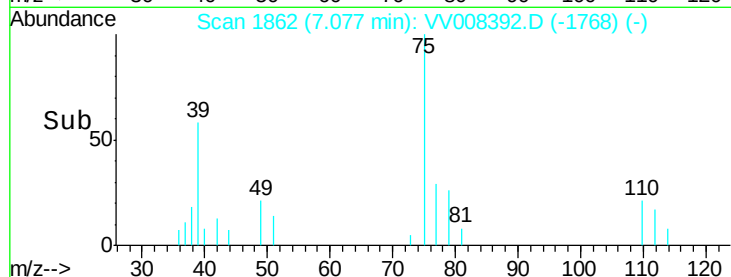
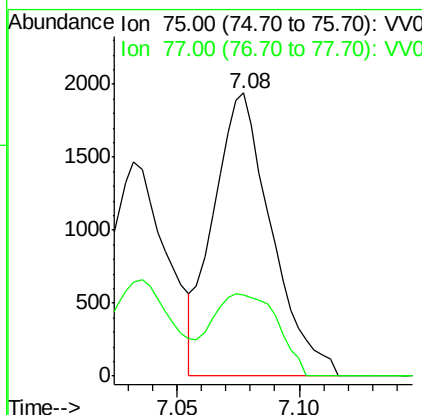
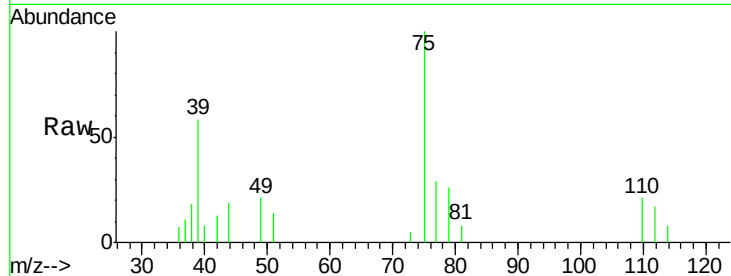
#39
 cis-1,3-Dichloropropene
 Concen: 1.271 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion: 75 Resp: 3220
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.6 42.0

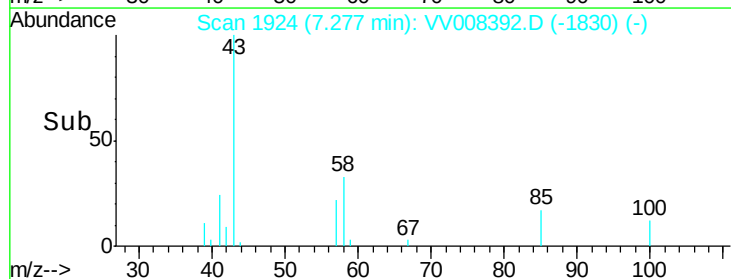
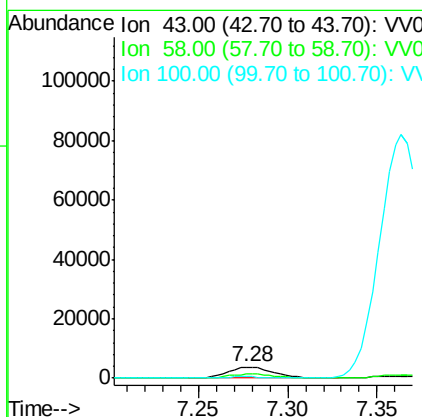
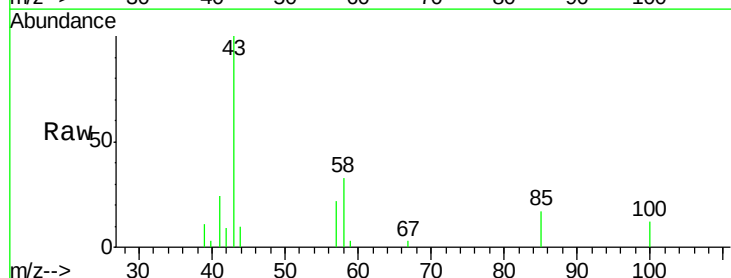
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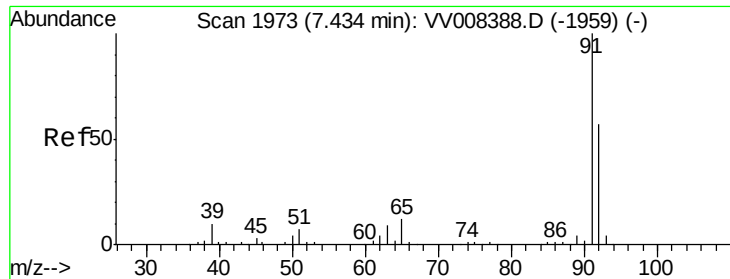
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#40
 4-Methyl-2-pentanone
 Concen: 2.861 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion: 43 Resp: 6829
 Ion Ratio Lower Upper
 43 100
 58 35.0 30.9 46.3
 100 10.5 10.9 16.3#





#42

Toluene

Concen: 1.361 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 91 Resp: 8252

Ion Ratio Lower Upper

91 100

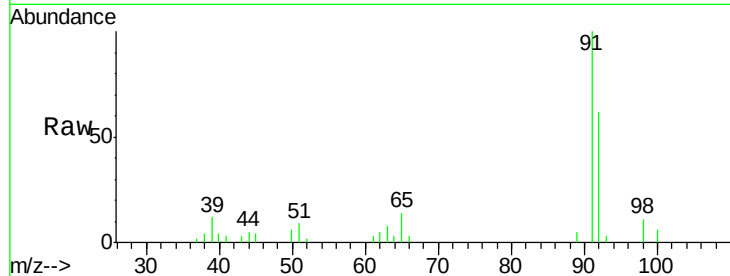
92 61.6 39.5 73.4

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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) (-)

7.44

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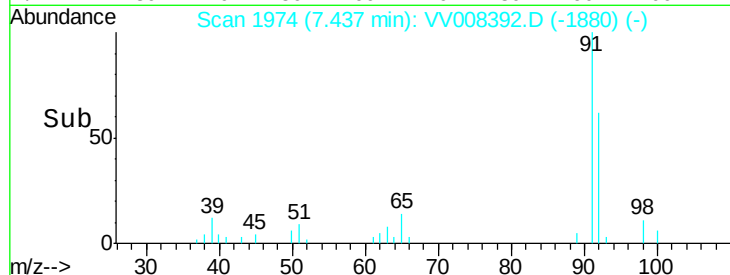
7.44

7.44

7.44

7.44

7.44



#44

trans-1,3-Dichloropropene

Concen: 1.409 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008392.D

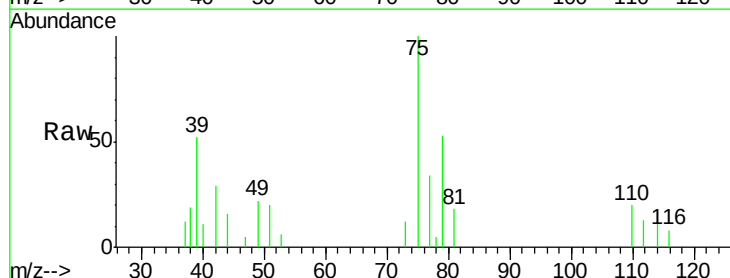
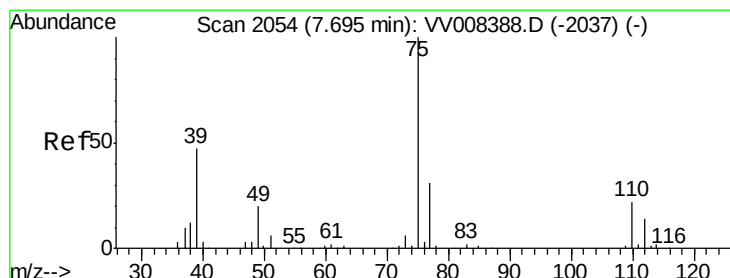
Acq: 24 Oct 2018 15:03

Tgt Ion: 75 Resp: 3340

Ion Ratio Lower Upper

75 100

77 34.0 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) (-)

7.70

7.70

7.70

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7.70

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7.70

7.70

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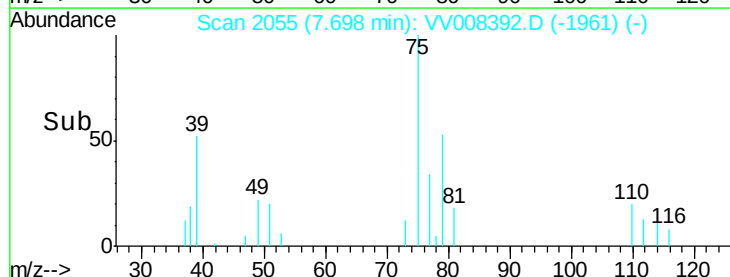
7.70

7.70

7.70

7.70

7.70



#44

trans-1,3-Dichloropropene

Concen: 1.409 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008392.D

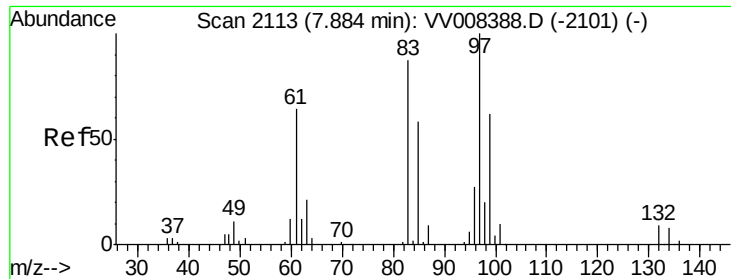
Acq: 24 Oct 2018 15:03

Tgt Ion: 75 Resp: 3340

Ion Ratio Lower Upper

75 100

77 34.0 21.8 40.4



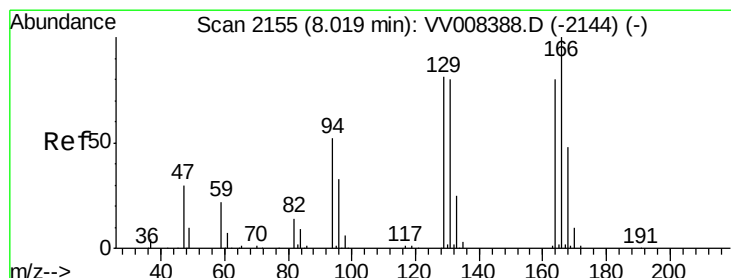
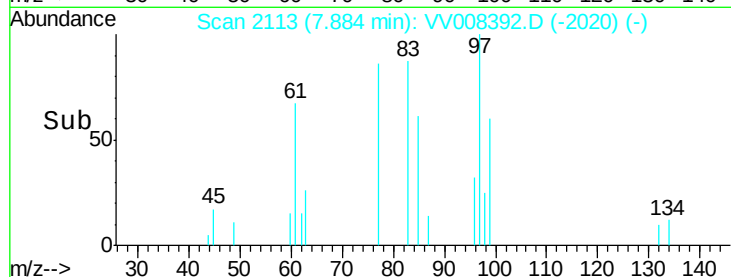
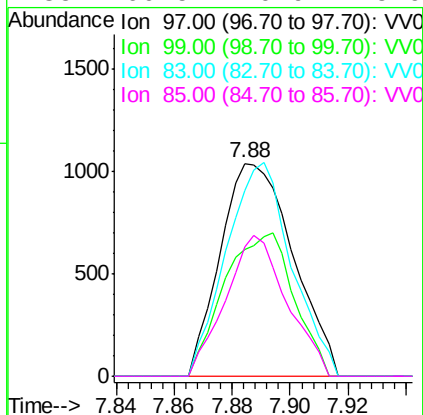
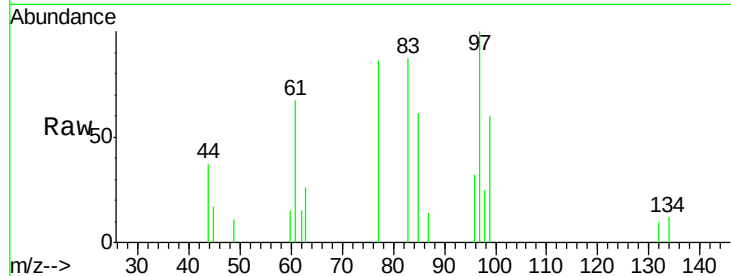
#45
1,1,2-Trichloroethane
Concen: 1.269 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.8	43.3	80.3
83	87.3	61.9	114.9
85	60.5	40.9	75.9

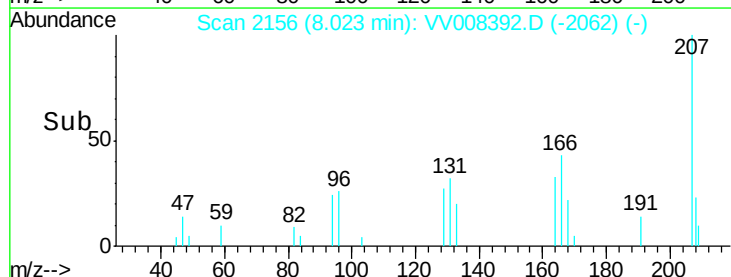
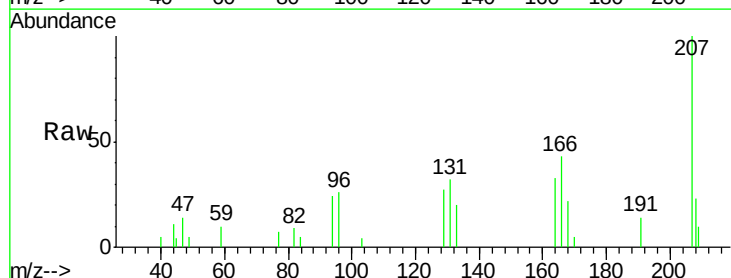
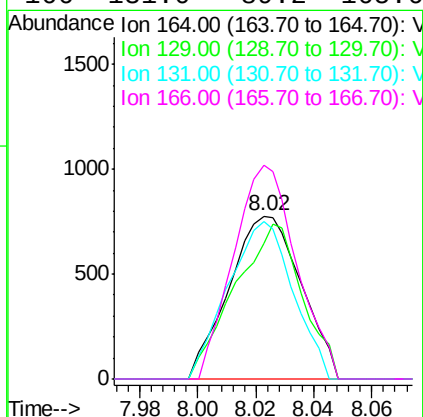
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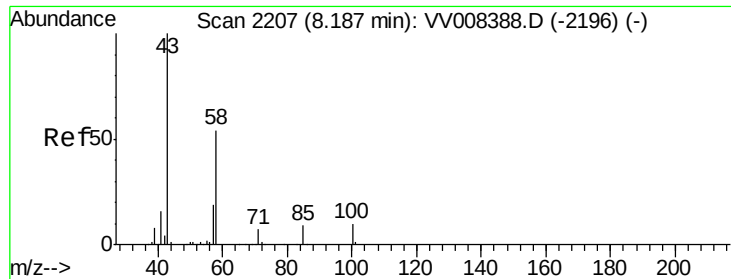
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#46
Tetrachloroethene
Concen: 1.373 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.5	75.0	139.2
131	96.8	71.3	132.3
166	131.0	89.2	165.6





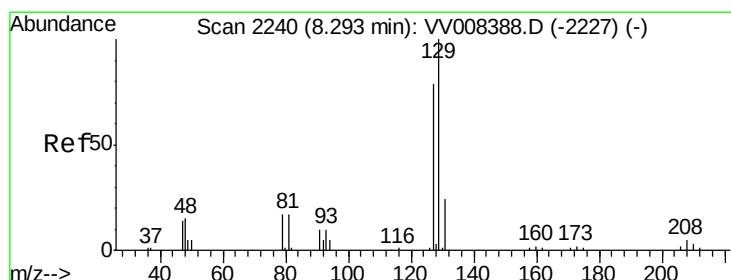
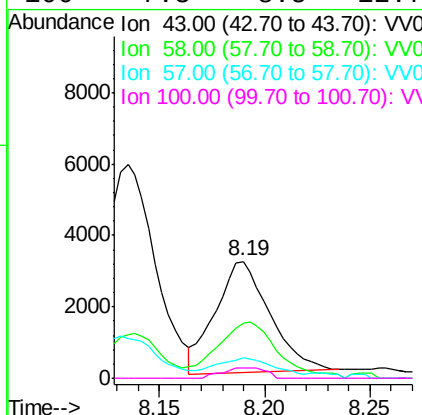
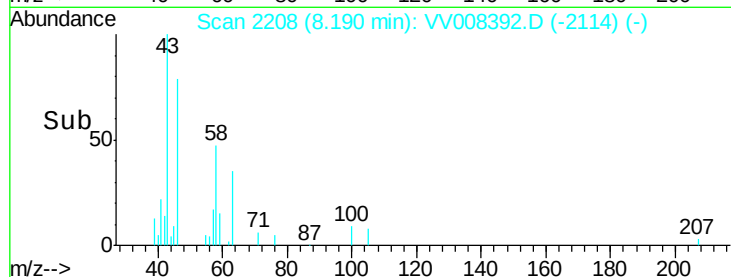
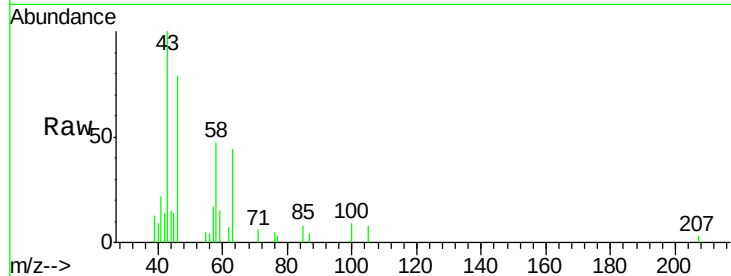
#48
2-Hexanone
Concen: 3.056 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.0	42.6	63.8
57	14.7	14.8	22.2#
100	7.3	8.5	12.7#

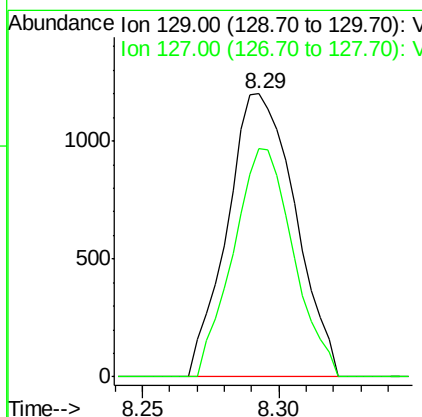
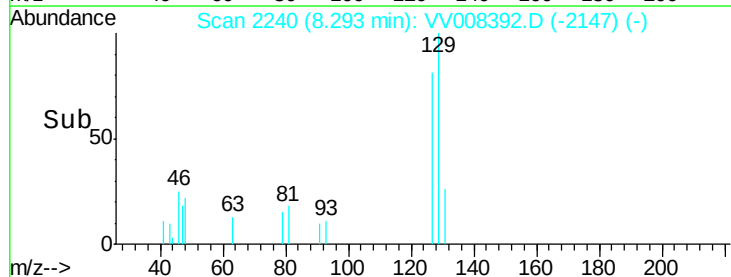
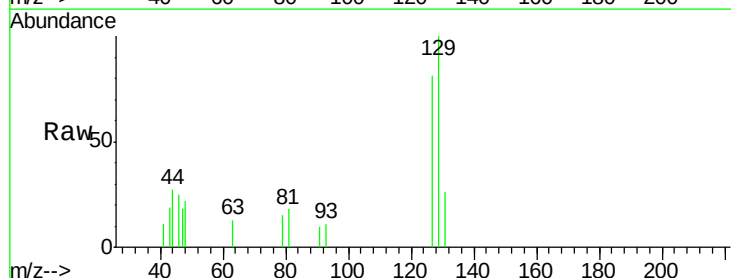
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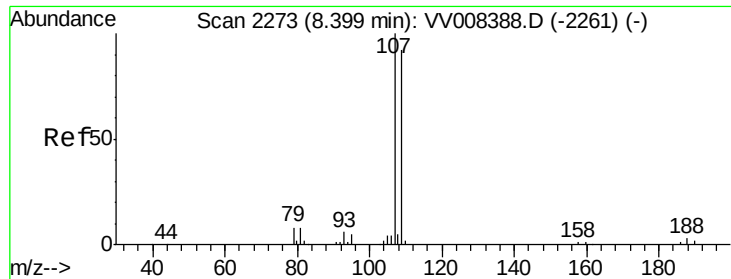
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#49
Dibromochloromethane
Concen: 1.356 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.7	54.9	101.9





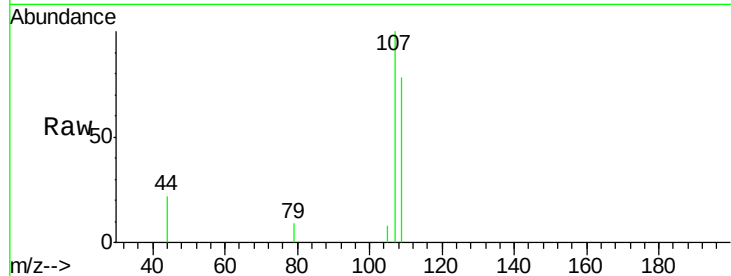
#50
1,2-Dibromoethane
Concen: 1.415 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

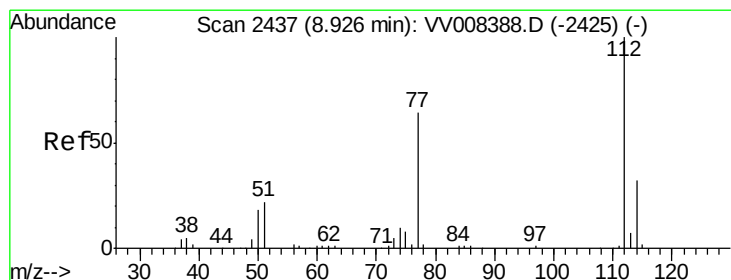
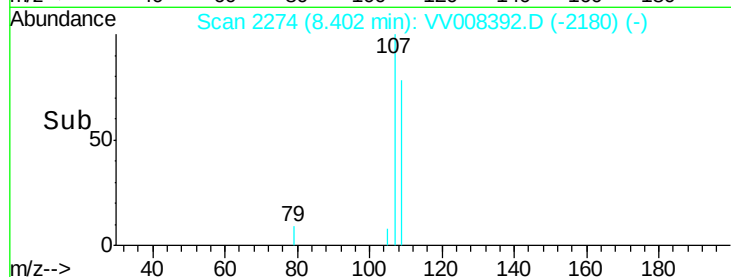
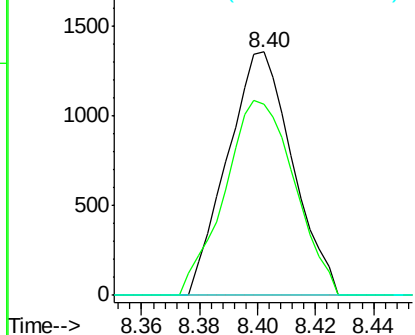
Tgt Ion	Ratio	Lower	Upper
107	100		
109	78.5	65.2	121.2
188	0.0	2.3	3.5#

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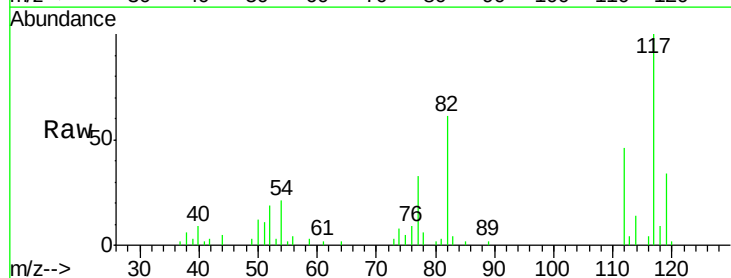


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

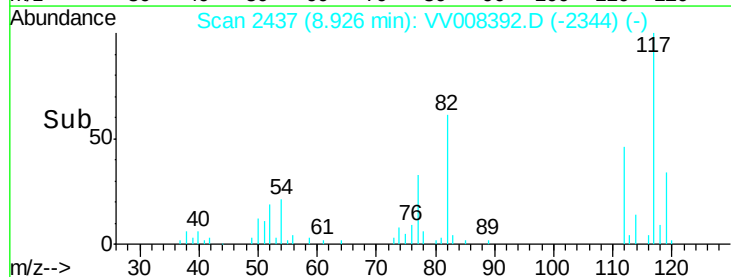
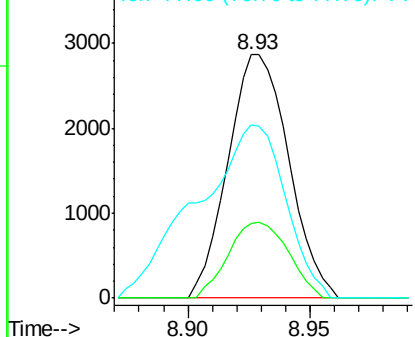


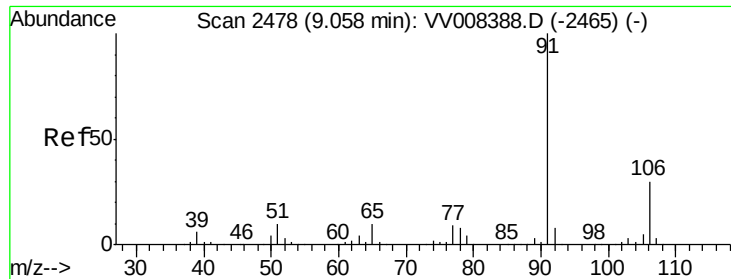
#51
Chlorobenzene
Concen: 1.328 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.5	41.7
77	70.9	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): V





#52

Ethylbenzene

Concen: 1.323 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 91 Resp: 8984

Ion Ratio Lower Upper

91 100

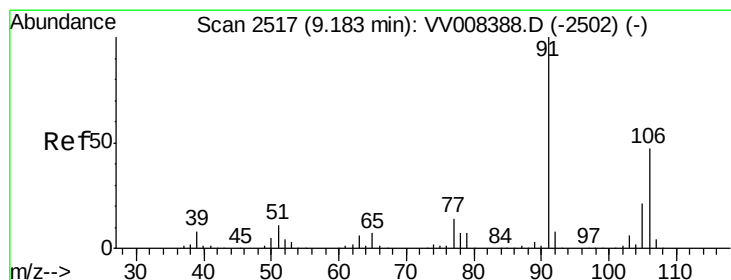
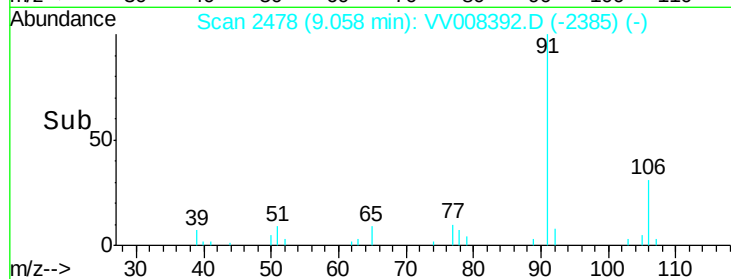
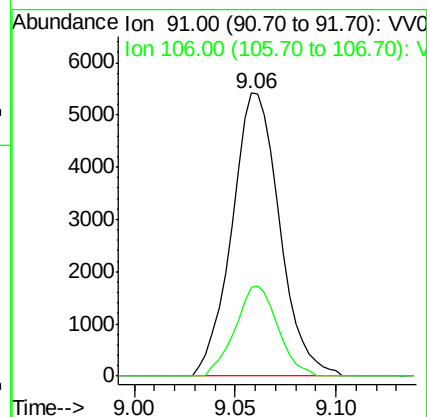
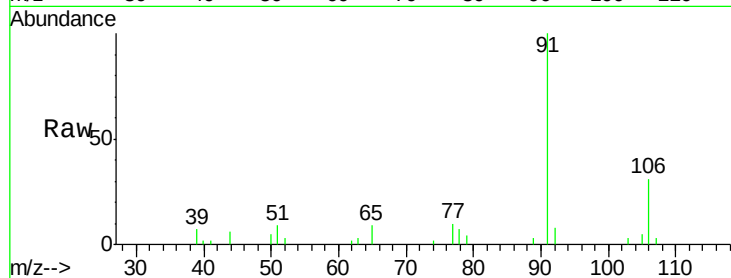
106 31.2 21.3 39.5

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#53

m,p-Xylene

Concen: 1.254 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008392.D

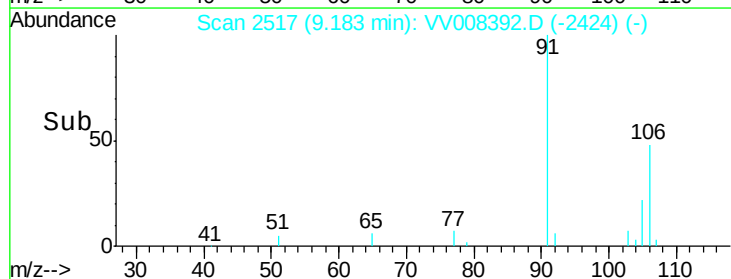
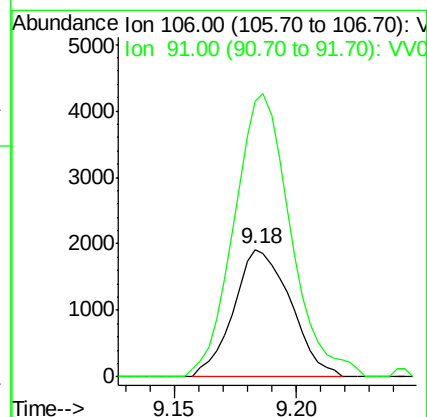
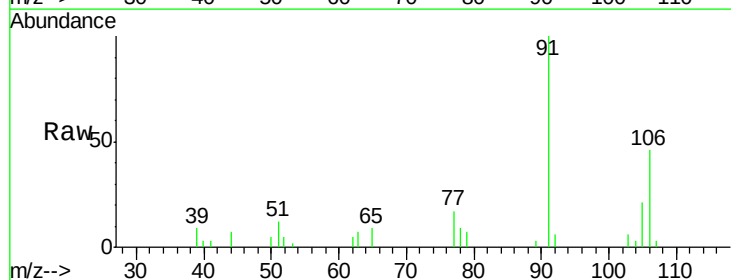
Acq: 24 Oct 2018 15:03

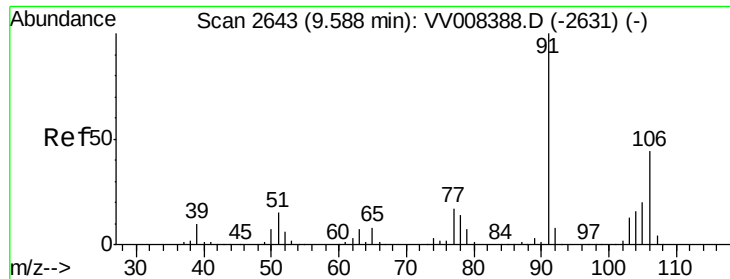
Tgt Ion: 106 Resp: 3112

Ion Ratio Lower Upper

106 100

91 216.9 150.0 278.6





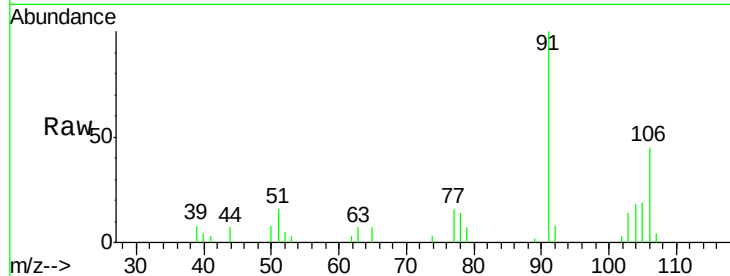
#54
o-xylene
Concen: 1.267 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampled :
MDL03

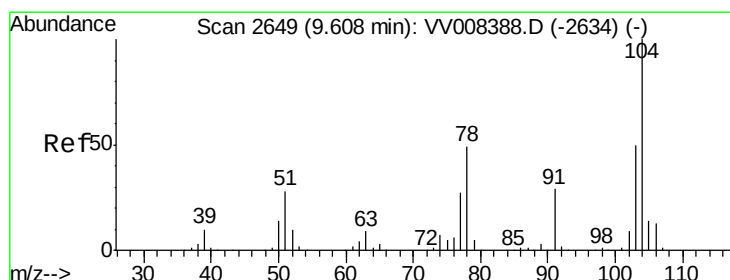
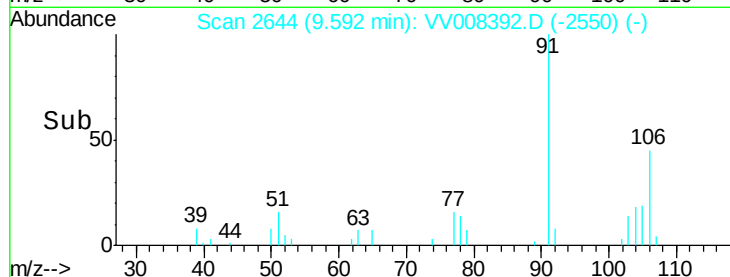
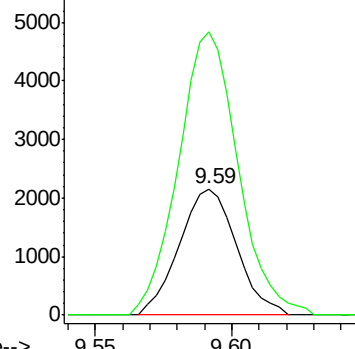
Tgt Ion:106 Resp: 3139
Ion Ratio Lower Upper
106 100
91 224.5 158.7 294.7

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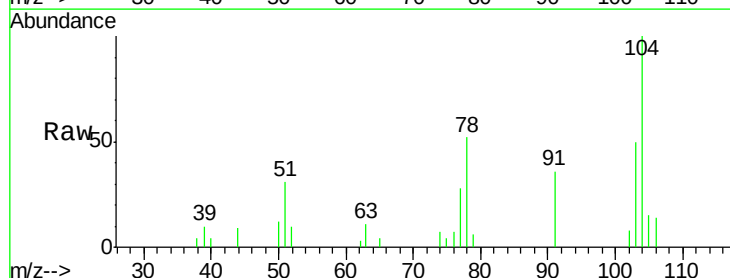


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

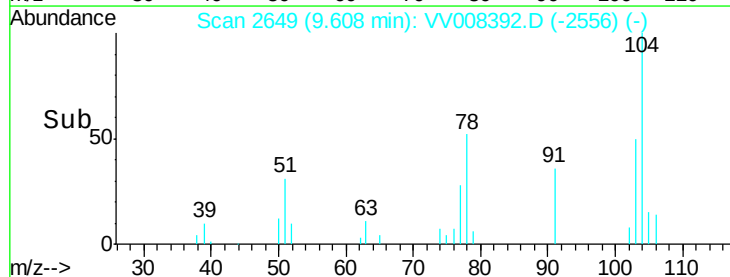
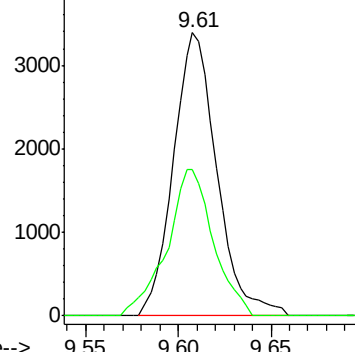


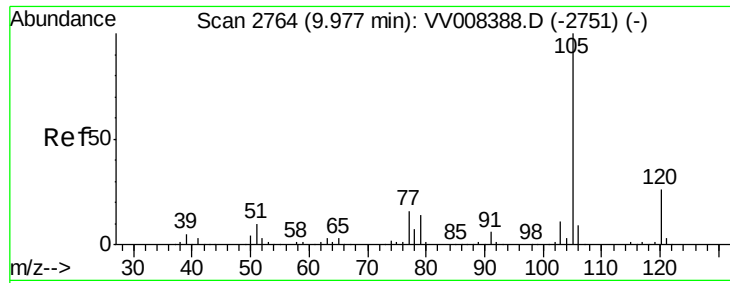
#55
Styrene
Concen: 1.322 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion:104 Resp: 5521
Ion Ratio Lower Upper
104 100
78 51.9 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: 1.231 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Instrument :

MSVOA_V

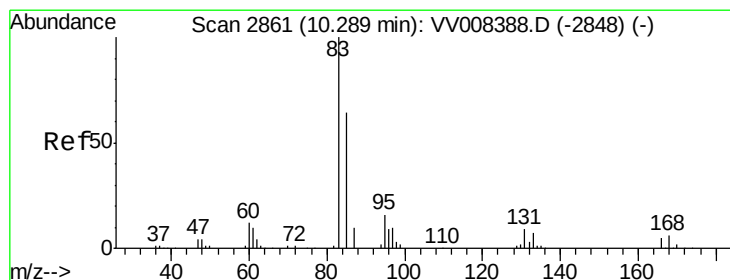
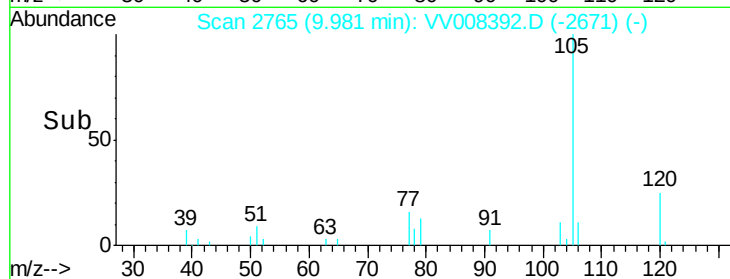
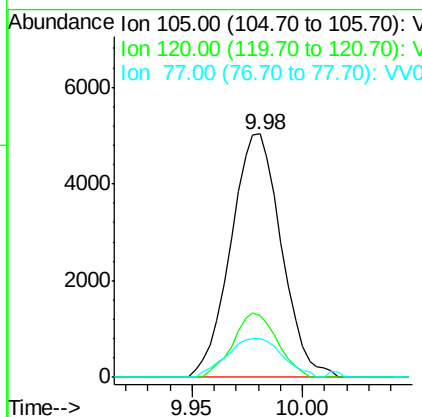
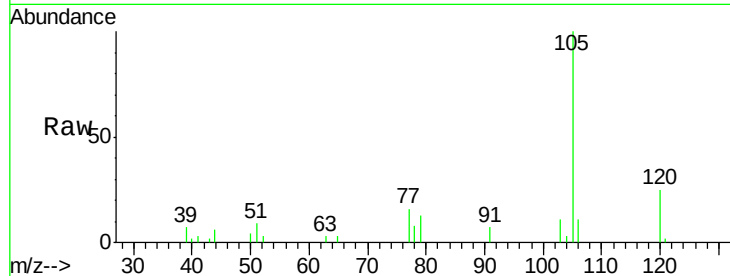
ClientSampled :

MDL03

Tgt Ion:	105	Resp:	7981
Ion Ratio	Lower	Upper	
105	100		
120	23.2	20.7	31.1
77	17.6	13.5	20.3

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.582 ug/L

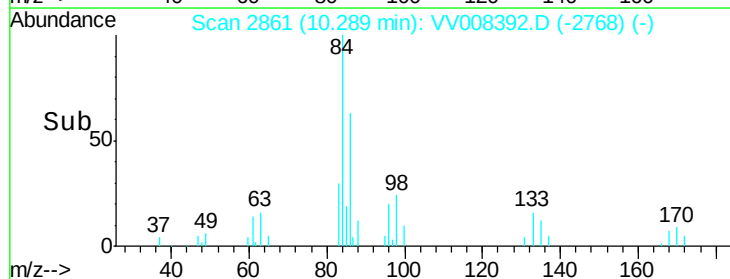
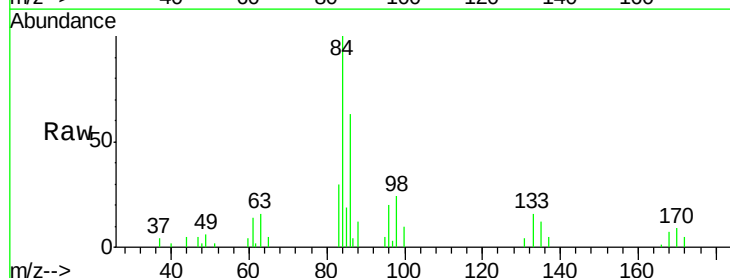
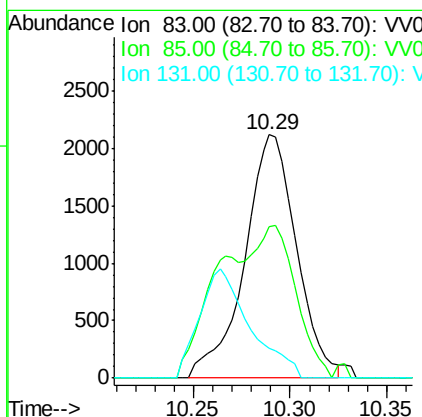
RT: 10.29 min Scan# 2861

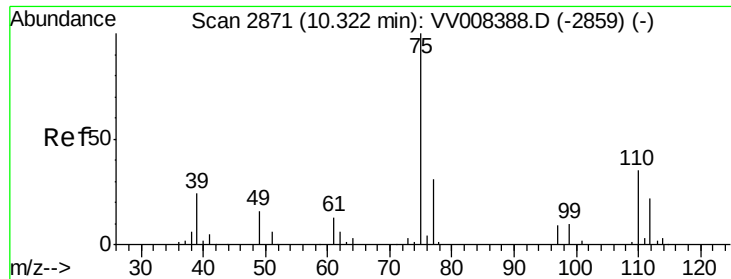
Delta R.T. 0.00 min

Lab File: VV008392.D

Acq: 24 Oct 2018 15:03

Tgt Ion:	83	Resp:	3948
Ion Ratio	Lower	Upper	
83	100		
85	62.3	45.8	85.2
131	12.3	7.3	10.9#





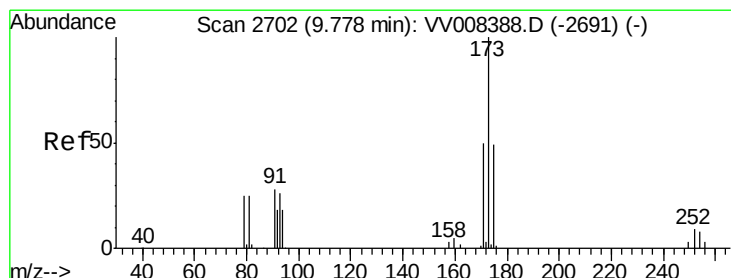
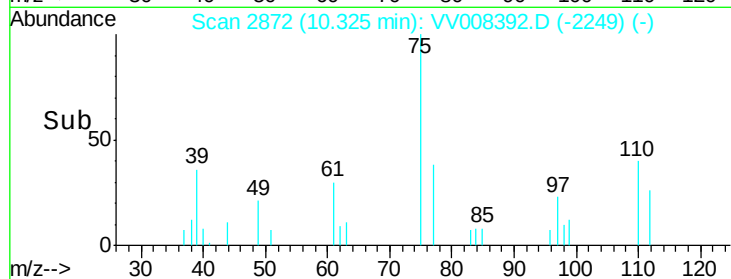
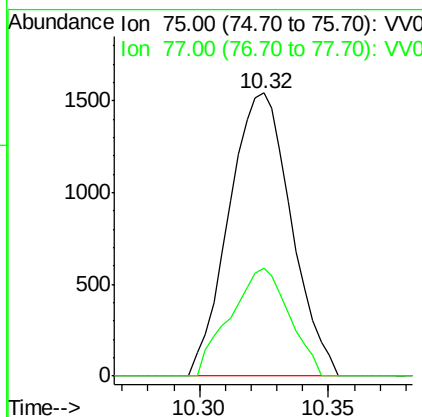
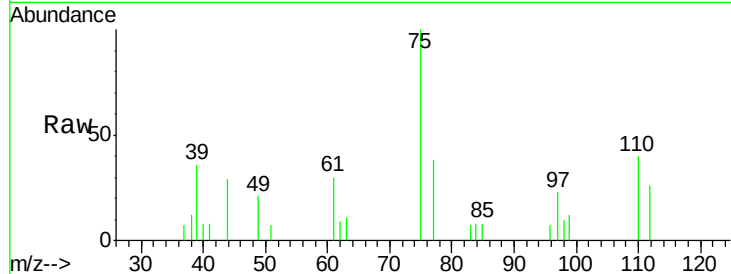
#59
 1,2,3-Trichloropropane
 Concen: 1.282 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 75 Resp: 2590
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.8 38.8

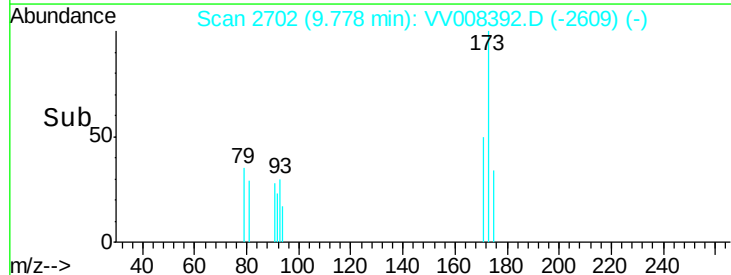
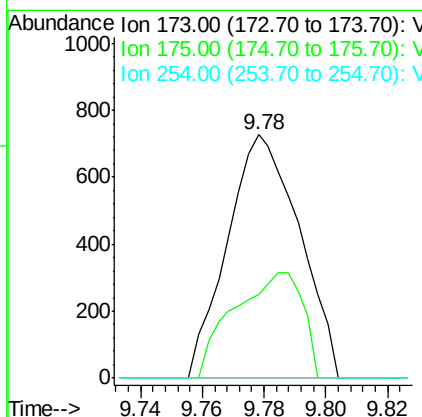
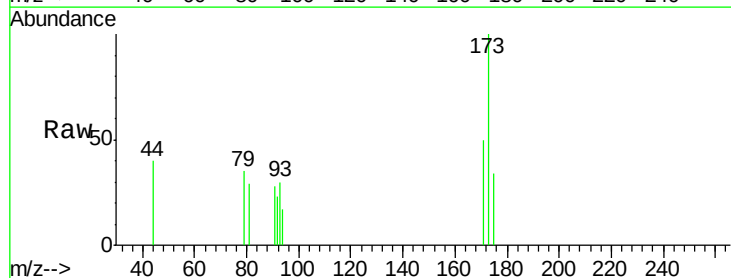
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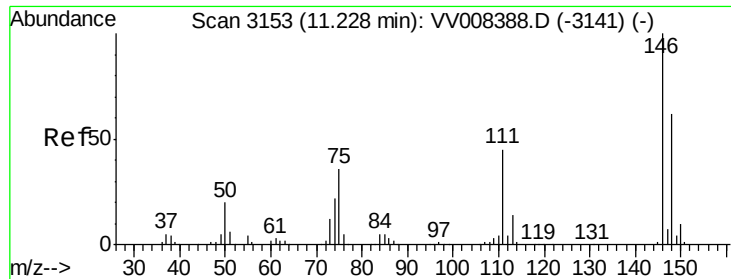
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#61
 Bromoform
 Concen: 1.232 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion: 173 Resp: 1174
 Ion Ratio Lower Upper
 173 100
 175 41.7 38.6 57.8
 254 0.0 5.9 8.9#





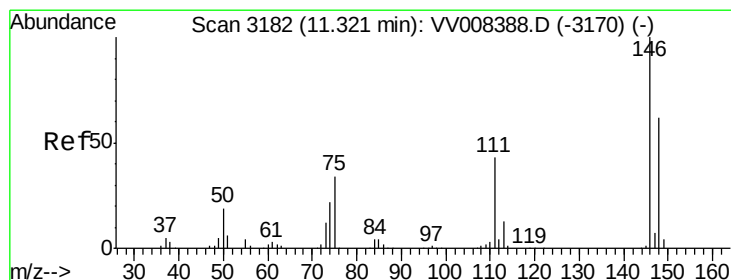
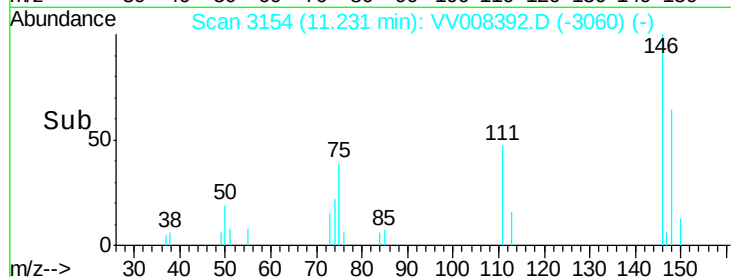
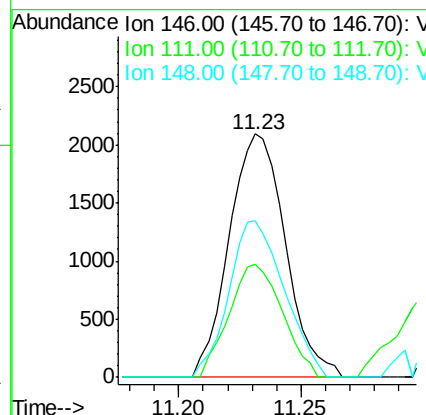
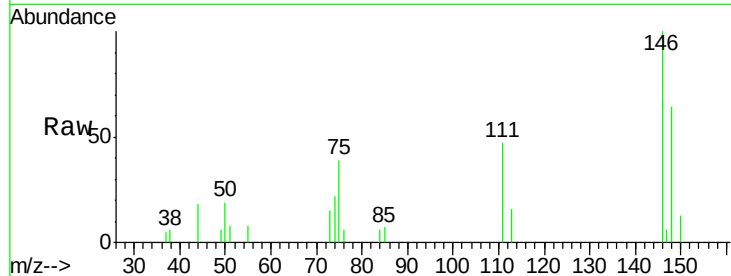
#62
 1,3-Dichlorobenzene
 Concen: 1.341 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	30.9	57.3
148	64.4	44.1	81.9

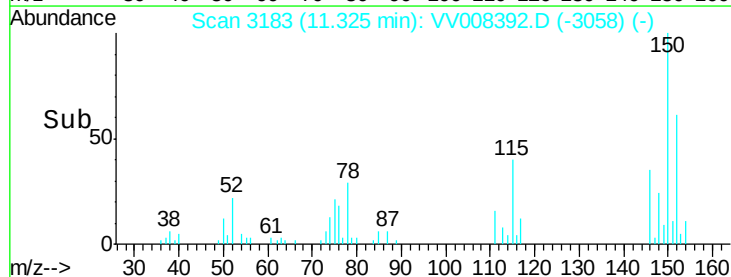
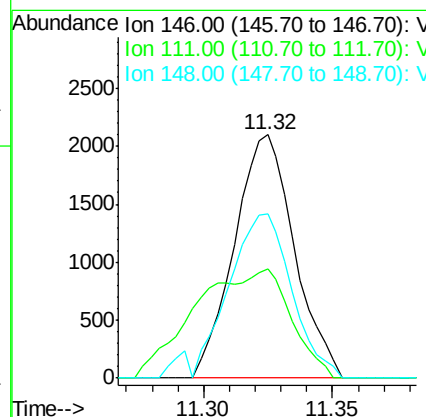
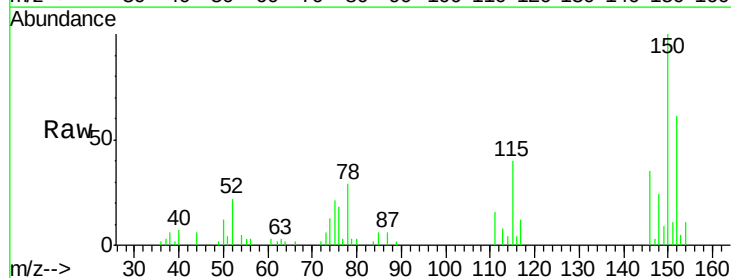
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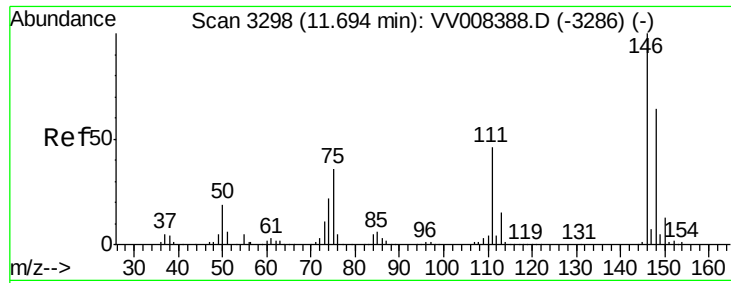
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#63
 1,4-Dichlorobenzene
 Concen: 1.356 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	29.8	55.4
148	67.5	44.4	82.5





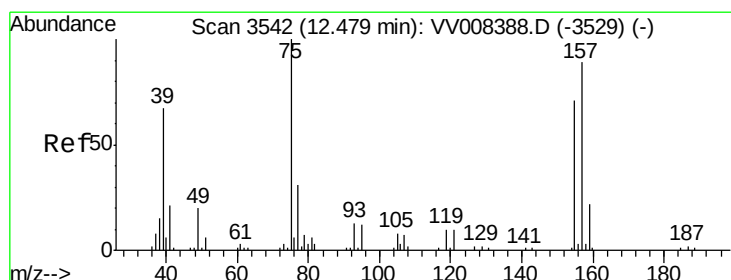
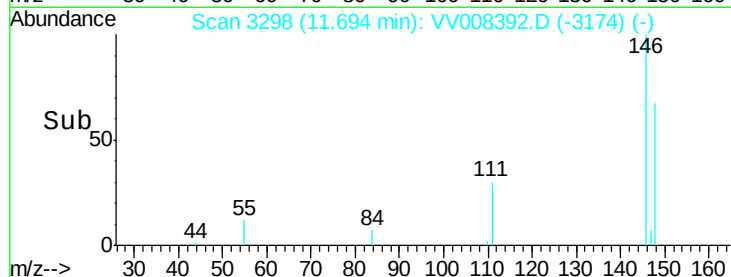
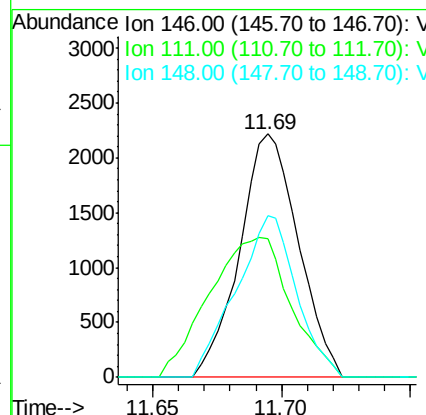
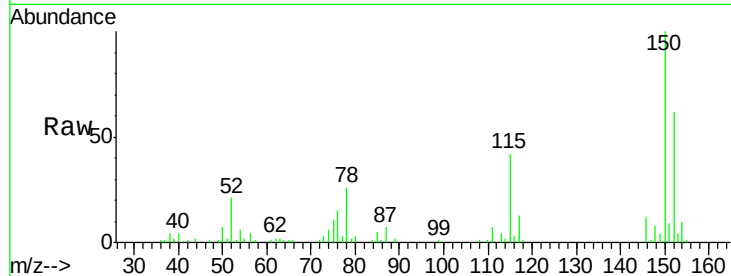
#65
 1,2-Dichlorobenzene
 Concen: 1.383 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	56.8	36.2	54.2#
148	66.6	50.3	75.5

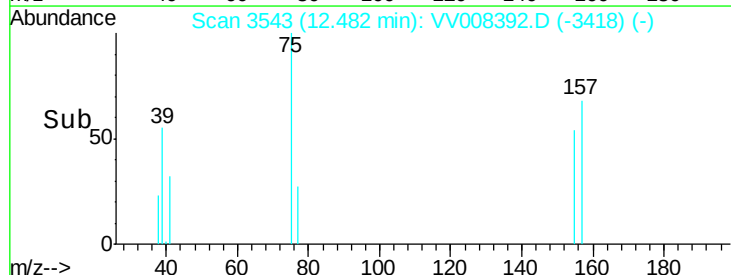
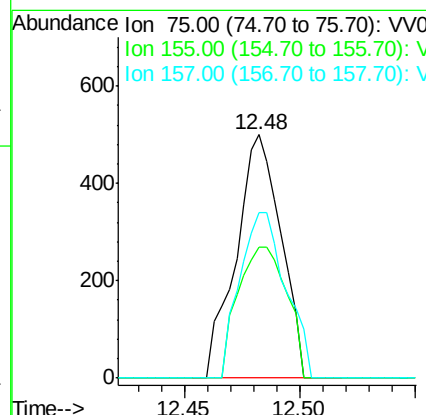
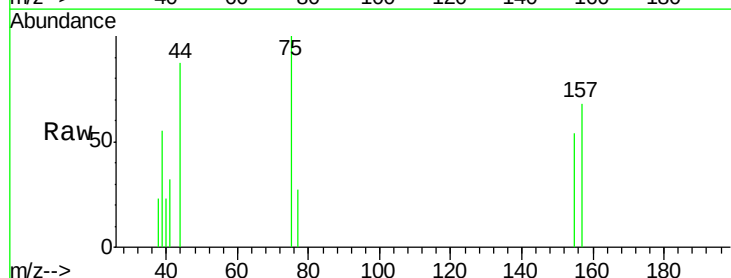
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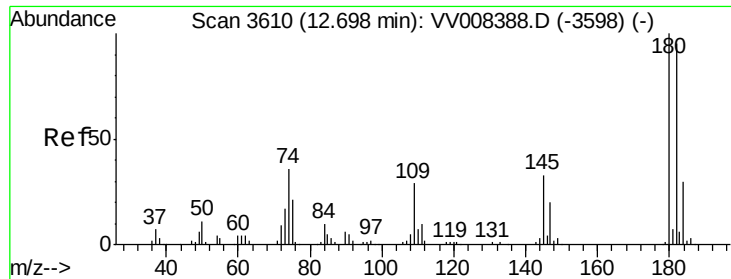
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.282 ug/L m
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

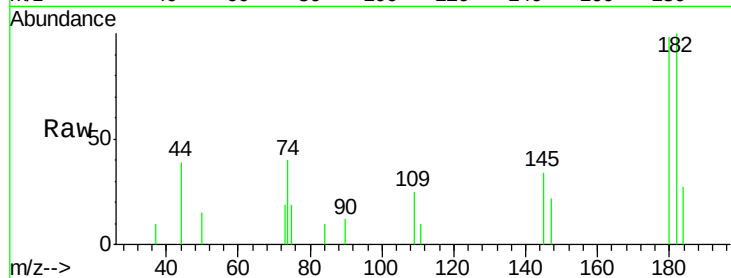
Tgt Ion	Ratio	Lower	Upper
75	100		
155	53.6	55.4	83.0#
157	68.0	72.8	109.2#





#67
 1,3,5-Trichlorobenzene
 Concen: 1.022 ug/L
 RT: 12.70 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

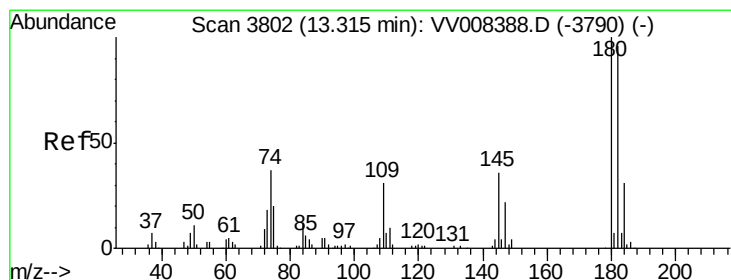
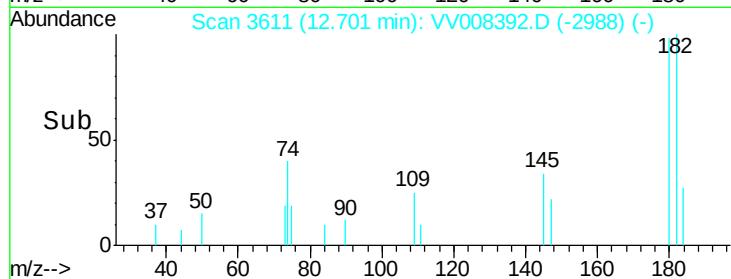
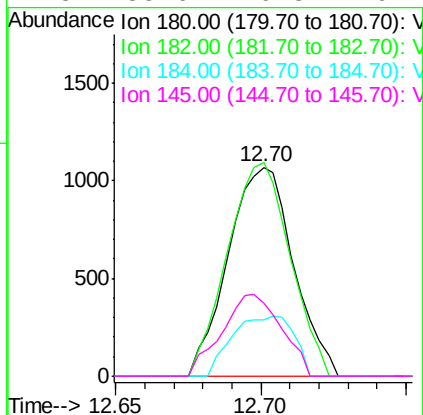
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03



Tgt Ion:180 Resp: 1666
 Ion Ratio Lower Upper
 180 100
 182 98.3 75.9 113.9
 184 27.4 24.1 36.1
 145 35.6 26.8 40.2

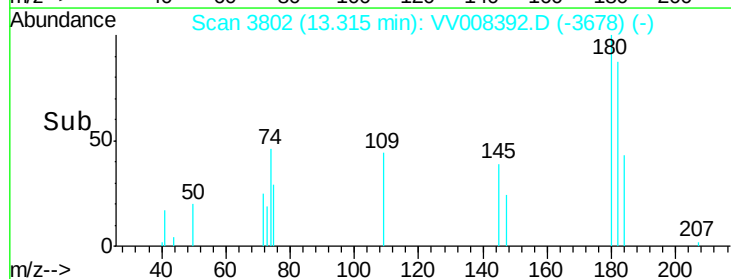
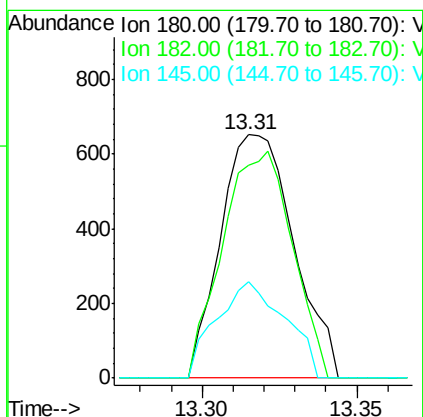
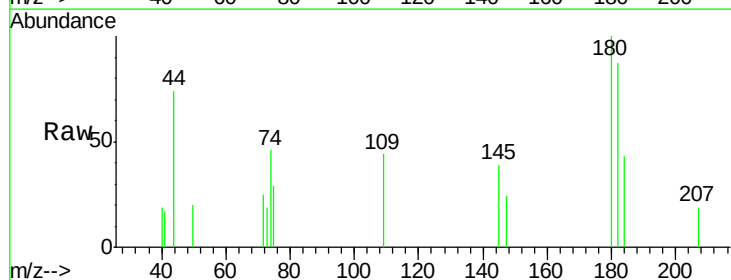
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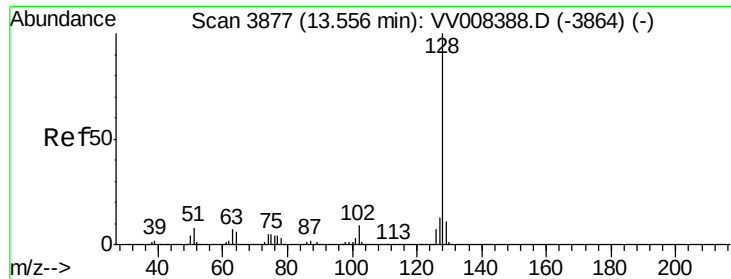
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#68
 1,2,4-trichlorobenzene
 Concen: 0.813 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008392.D
 Acq: 24 Oct 2018 15:03

Tgt Ion:180 Resp: 1072
 Ion Ratio Lower Upper
 180 100
 182 88.7 75.4 113.2
 145 37.1 27.0 40.6





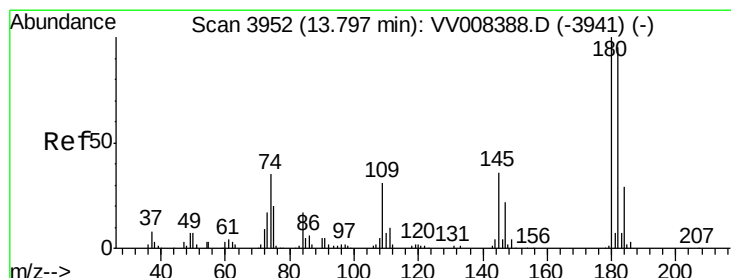
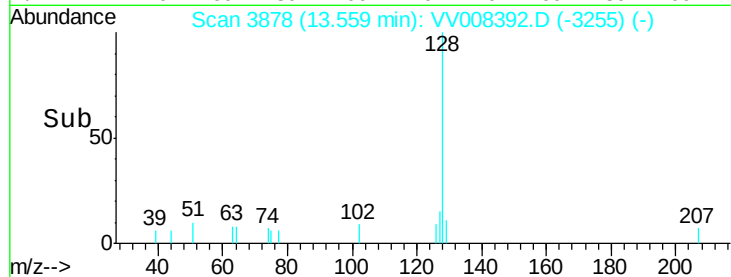
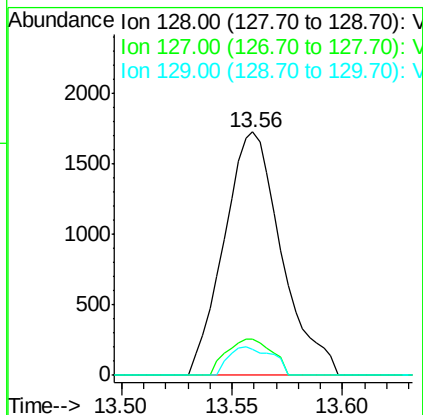
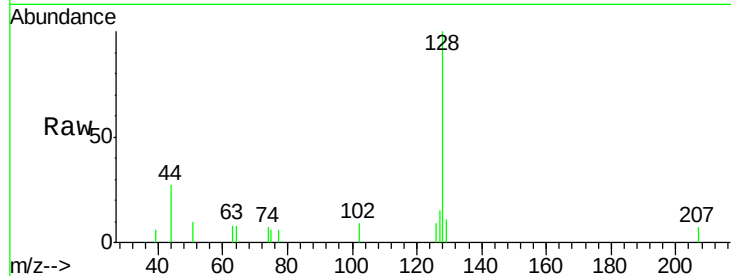
#69
Naphthalene
Concen: 0.729 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.6	15.8
129	8.8	8.9	13.3

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#70
1,2,3-Trichlorobenzene
Concen: 0.839 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008392.D
Acq: 24 Oct 2018 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.7	113.5
145	32.5	28.6	43.0

