

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008401.D
 Acq On : 24 Oct 2018 19:01
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:41:09 PM

Quant Time: Oct 25 09:30:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 09:16:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	190514	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175707	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44318	42.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.02%
7) Chloroethane-d5	1.57	69	35922	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.34%
11) 1,1-Dichloroethene-d2	2.13	63	64467	33.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.68%
21) 2-Butanone-d5	3.94	46	114405	99.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.80%
24) Chloroform-d	4.41	84	116585	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.62%
26) 1,2-Dichloroethane-d4	5.09	65	82589	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
32) Benzene-d6	5.10	84	234070	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
36) 1,2-Dichloropropane-d6	6.12	67	81539	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.82%
41) Toluene-d8	7.36	98	208749	45.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.84%
43) trans-1,3-Dichloropropene-	7.67	79	39104	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.62%
47) 2-Hexanone-d5	8.14	63	89106	98.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.19%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	113893	48.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.78%
64) 1,2-Dichlorobenzene-d4	11.68	152	72164	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3650	2.683 ug/L	99
3) Chloromethane	1.25	50	4045	2.776 ug/L	98
5) Vinyl chloride	1.33	62	3815	2.825 ug/L #	60
6) Bromomethane	1.52	94	1032	2.785 ug/L	84
8) Chloroethane	1.59	64	2121	2.990 ug/L	88
9) Trichlorofluoromethane	1.77	101	4517	2.599 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2851	3.140 ug/L	93
12) 1,1-Dichloroethene	2.14	96	2839	3.321 ug/L #	1
13) Acetone	2.19	43	4597	5.167 ug/L	95
14) Carbon disulfide	2.32	76	10480	2.722 ug/L	96
15) Methyl Acetate	2.46	43	5457	3.076 ug/L	91
16) Methylene chloride	2.54	84	4041	2.730 ug/L	89
17) trans-1,2-Dichloroethene	2.80	96	3499	2.685 ug/L	91
18) Methyl tert-butyl Ether	2.81	73	12778	2.740 ug/L	96
19) 1,1-Dichloroethane	3.24	63	6906	2.570 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	4100	2.762 ug/L	87
22) 2-Butanone	4.03	43	6253m	4.865 ug/L	

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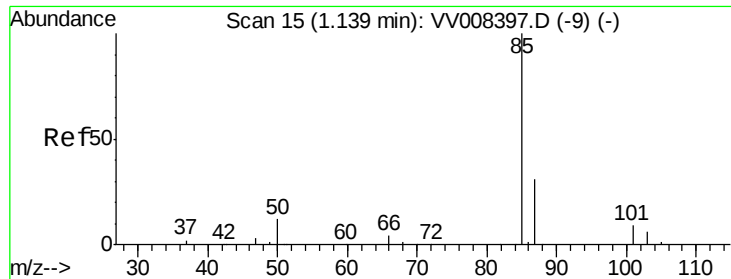
Manual Integrations
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Quant Time: Oct 25 09:30:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1832	2.617	ug/L	95
25) Chloroform	4.43	83	7564	2.883	ug/L	100
27) 1,2-Dichloroethane	5.19	62	5923	2.703	ug/L	98
29) Cyclohexane	4.73	56	6822	2.667	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	5975	2.622	ug/L #	83
31) Carbon tetrachloride	4.88	117	4939	2.554	ug/L	97
33) Benzene	5.15	78	15661	2.727	ug/L	100
34) Trichloroethene	5.96	95	3786	2.575	ug/L	94
35) Methylcyclohexane	6.18	83	6015	2.406	ug/L #	87
37) 1,2-Dichloropropane	6.23	63	4334	2.732	ug/L #	94
38) Bromodichloromethane	6.56	83	5254	2.599	ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	6435	2.580	ug/L	92
40) 4-Methyl-2-pentanone	7.28	43	12486	5.316	ug/L	98
42) Toluene	7.44	91	16213	2.718	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	7478	3.205	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	3647	2.600	ug/L	95
46) Tetrachloroethene	8.02	164	2450	2.556	ug/L	93
48) 2-Hexanone	8.19	43	9324	5.144	ug/L	90
49) Dibromochloromethane	8.29	129	3739	2.481	ug/L	99
50) 1,2-Dibromoethane	8.40	107	3804	2.585	ug/L #	95
51) Chlorobenzene	8.93	112	9679	2.635	ug/L	96
52) Ethylbenzene	9.06	91	17395	2.603	ug/L	98
53) m,p-Xylene	9.19	106	6594	2.701	ug/L	90
54) o-xylene	9.59	106	6424	2.635	ug/L	95
55) Styrene	9.61	104	10455	2.545	ug/L	97
56) Isopropylbenzene	9.98	105	16003	2.509	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6999	2.849	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	5418	2.725	ug/L	98
61) Bromoform	9.78	173	2445	2.631	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	6608	2.714	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	7019	2.877	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	6839	2.755	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	1257	2.463	ug/L #	91
67) 1,3,5-Trichlorobenzene	12.70	180	3524	2.217	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	2463	1.915	ug/L	99
69) Naphthalene	13.56	128	6324	1.521	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	2520	1.961	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.683 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 85 Resp: 3650

Ion Ratio Lower Upper

85 100

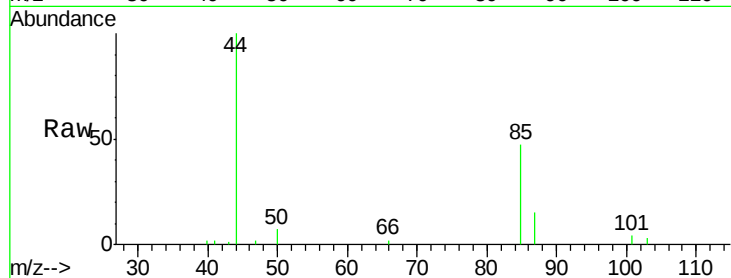
87 32.3 25.4 38.2

Manual Integrations

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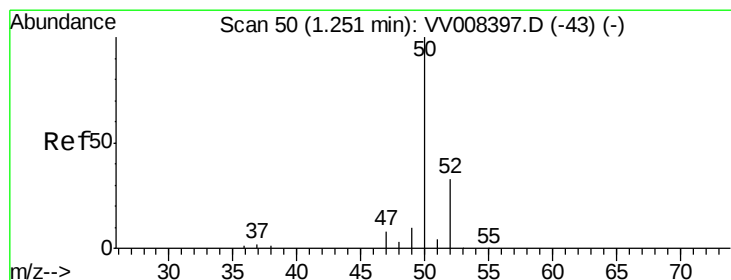
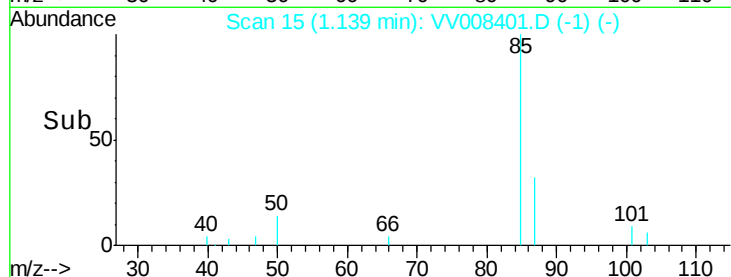
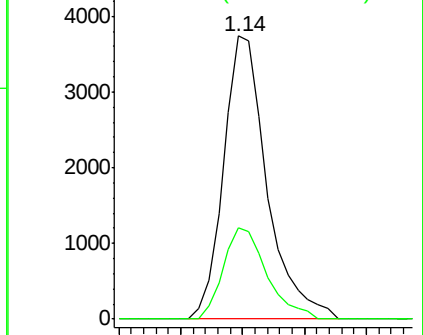
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Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.776 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008401.D

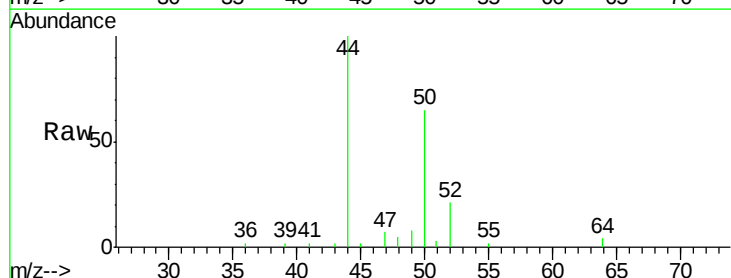
Acq: 24 Oct 2018 19:01

Tgt Ion: 50 Resp: 4045

Ion Ratio Lower Upper

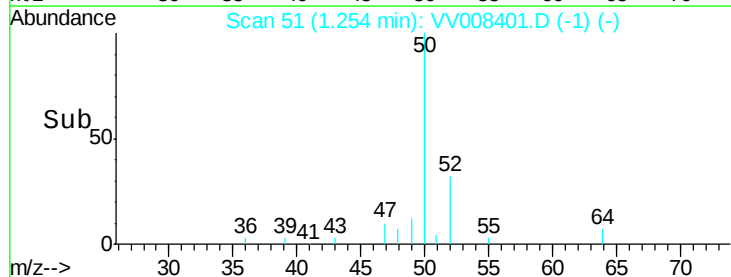
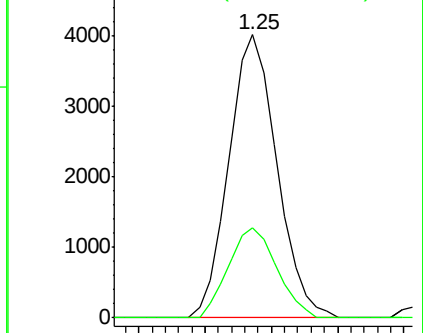
50 100

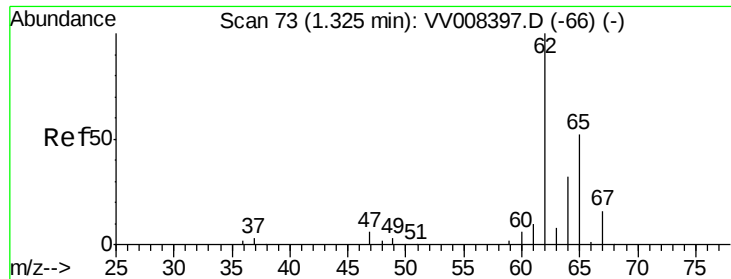
52 31.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.825 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion: 62 Resp: 3815

Ion Ratio Lower Upper

62 100

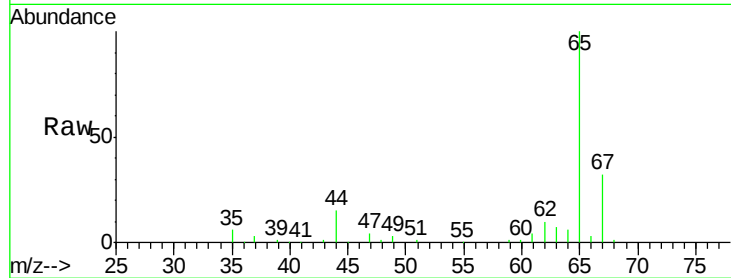
64 57.8 24.4 45.4#

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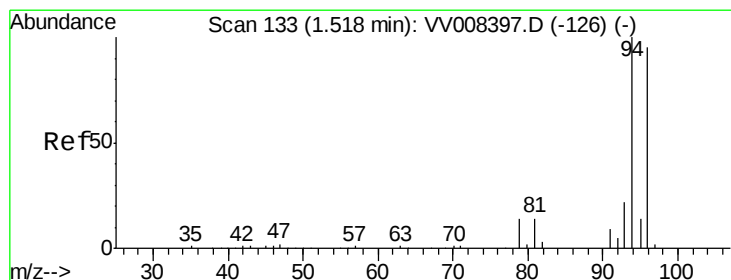
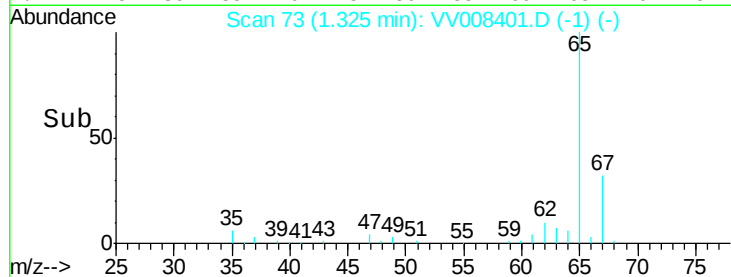
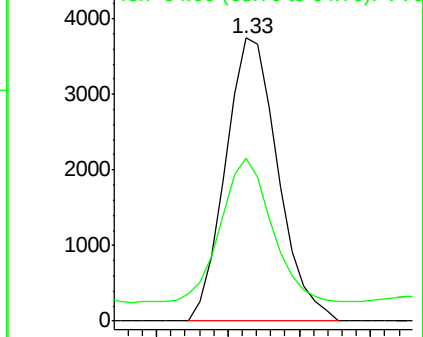
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Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.785 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008401.D

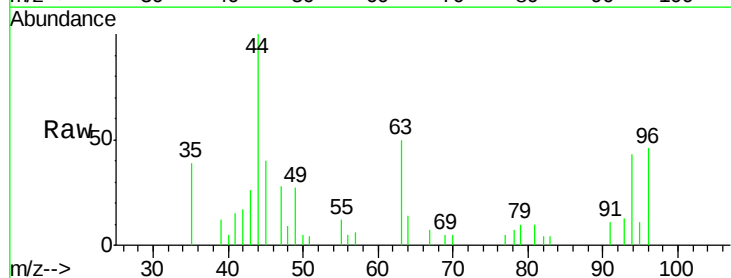
Acq: 24 Oct 2018 19:01

Tgt Ion: 94 Resp: 1032

Ion Ratio Lower Upper

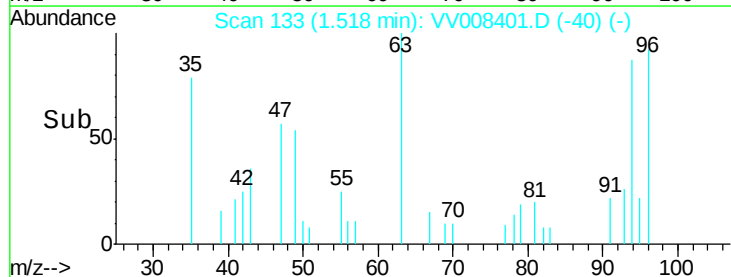
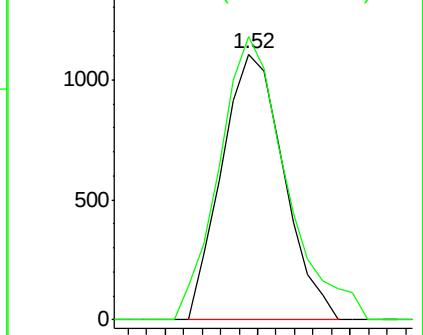
94 100

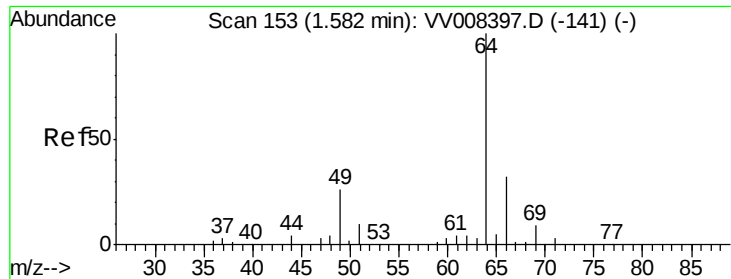
96 106.4 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.990 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.01 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 64 Resp: 2121

Ion Ratio Lower Upper

64 100

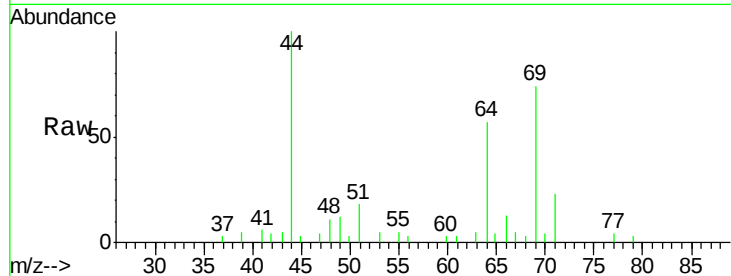
66 22.1 19.9 36.9

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Abundance Ion 64.00 (63.70 to 64.70): VV008397.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008397.D (-141) (-)

1.59

2500

2000

1500

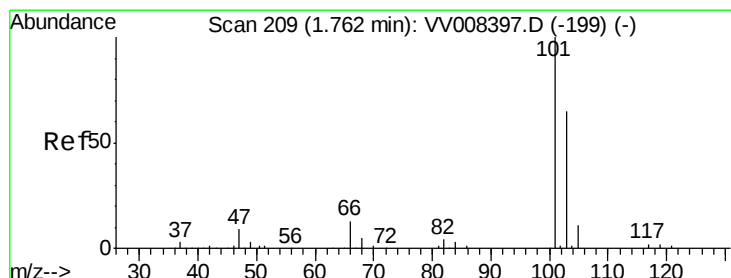
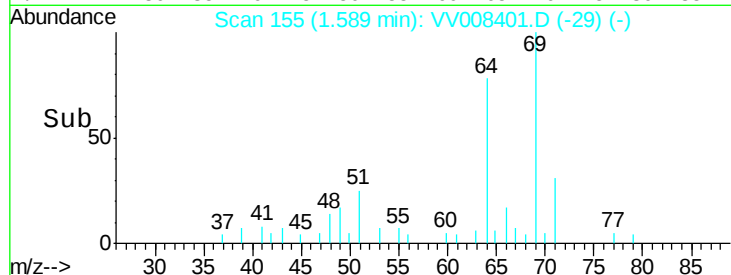
1000

500

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 2.599 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008401.D

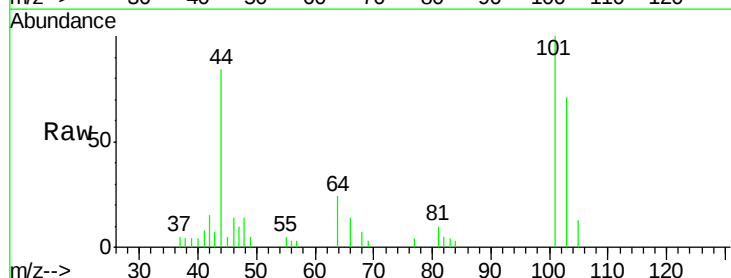
Acq: 24 Oct 2018 19:01

Tgt Ion: 101 Resp: 4517

Ion Ratio Lower Upper

101 100

103 69.9 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008397.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008397.D (-199) (-)

1.77

4000

3000

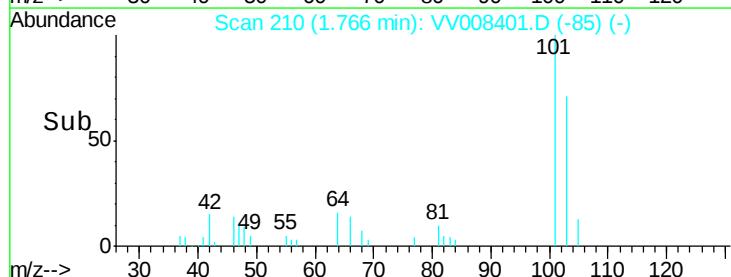
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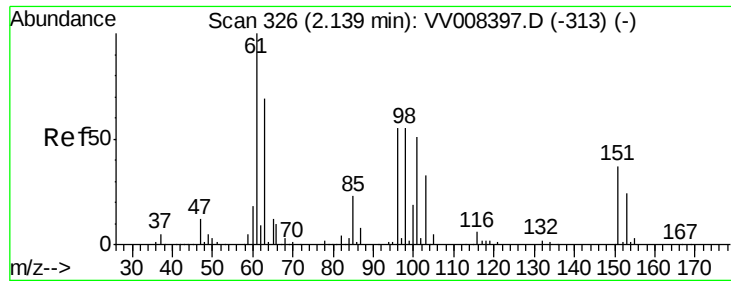
1000

0

1.72 1.74 1.76 1.78 1.80

Time-->





#10

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

Concen: 3.140 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

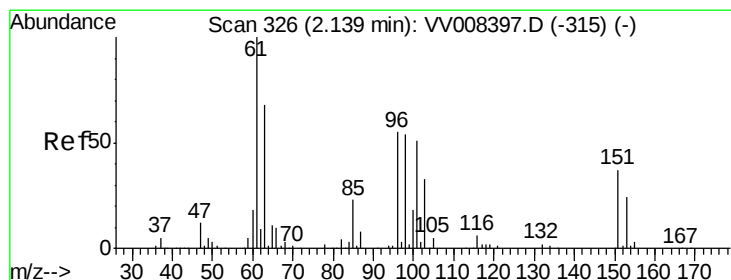
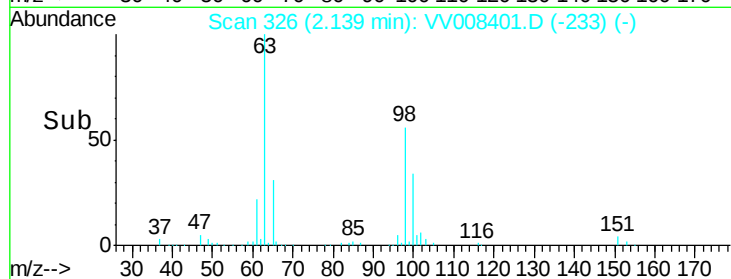
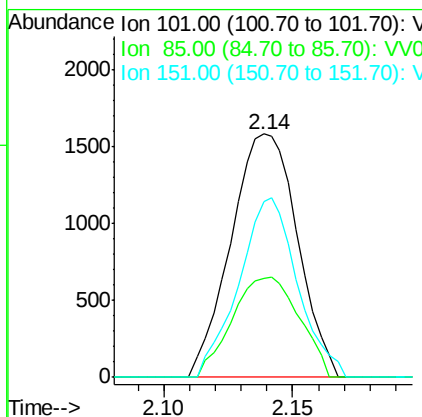
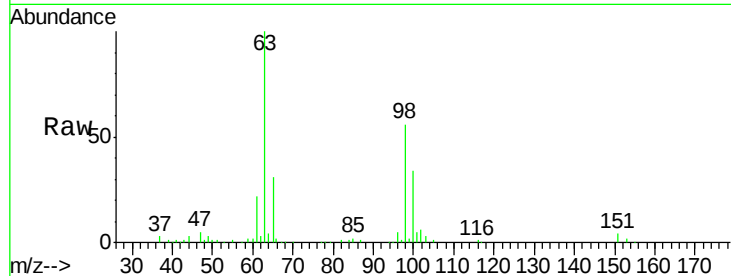
ClientSampleId :

MDL03

Tgt Ion:	101	Resp:	2851
Ion Ratio	Lower	Upper	
101	100		
85	41.5	35.6	53.4
151	65.0	58.1	87.1

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#12

1,1-Dichloroethene

Concen: 3.321 ug/L

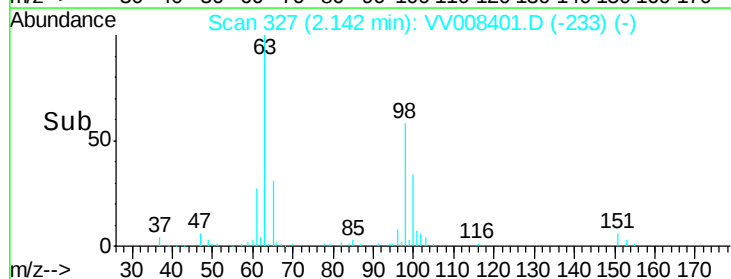
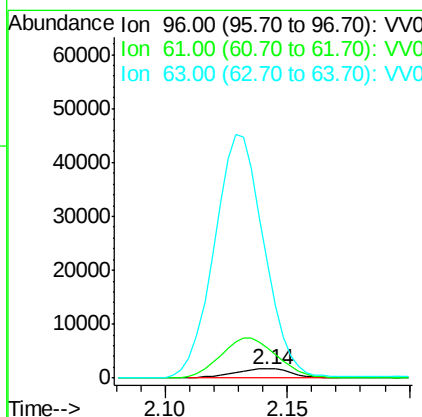
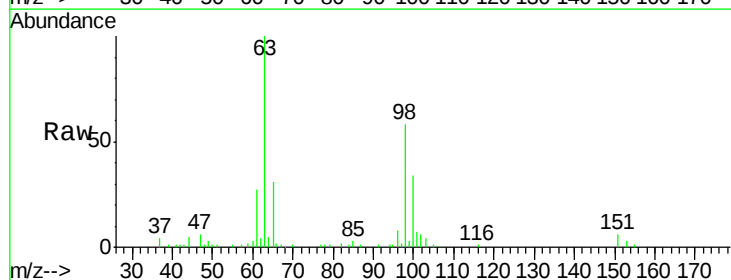
RT: 2.14 min Scan# 327

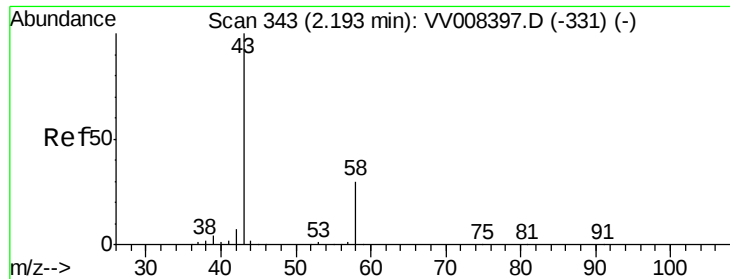
Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion:	96	Resp:	2839
Ion Ratio	Lower	Upper	
96	100		
61	327.4	130.3	242.1#
63	1222.6	84.4	156.8#





#13

Acetone

Concen: 5.167 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 43 Resp: 4597

Ion Ratio Lower Upper

43 100

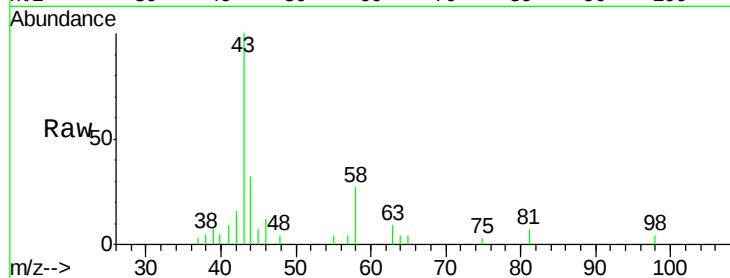
58 33.3 0.0 61.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VV008401.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV008401.D (-250) (-)

2.19

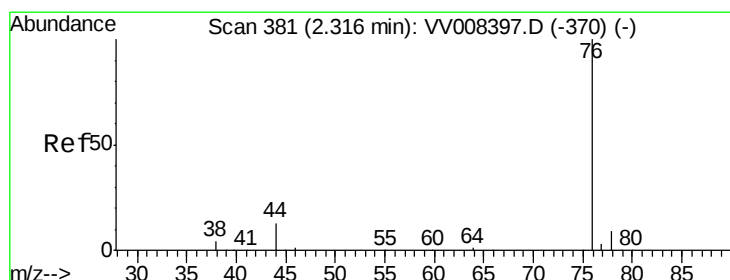
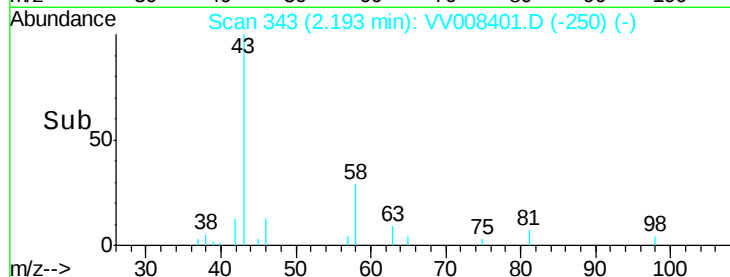
3000

2000

1000

0

Time-->



#14

Carbon disulfide

Concen: 2.722 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008401.D

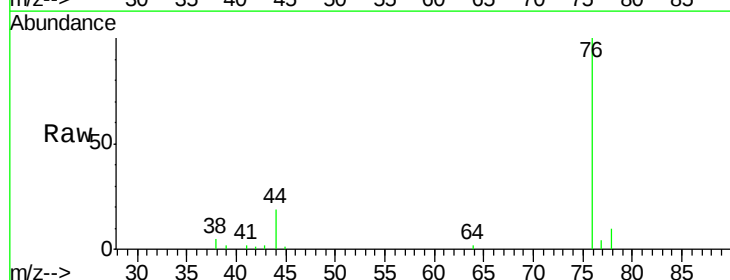
Acq: 24 Oct 2018 19:01

Tgt Ion: 76 Resp: 10480

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008401.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV008401.D (-288) (-)

2.32

8000

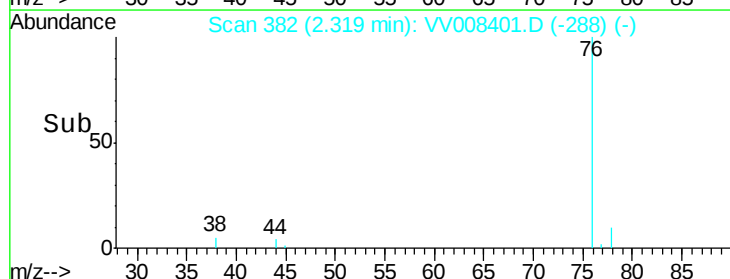
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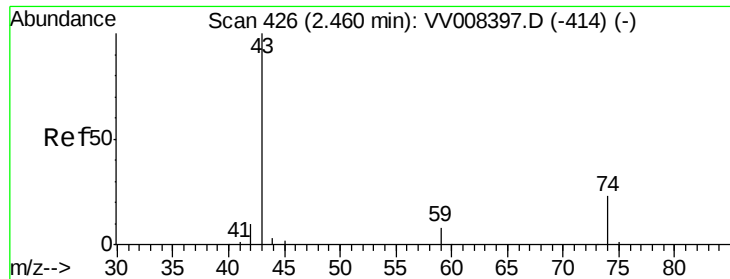
4000

2000

0

Time-->





#15

Methyl Acetate

Concen: 3.076 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion: 43 Resp: 5457

Ion Ratio Lower Upper

43 100

74 17.9 17.8 26.6

Instrument :

MSVOA_V

ClientSampled :

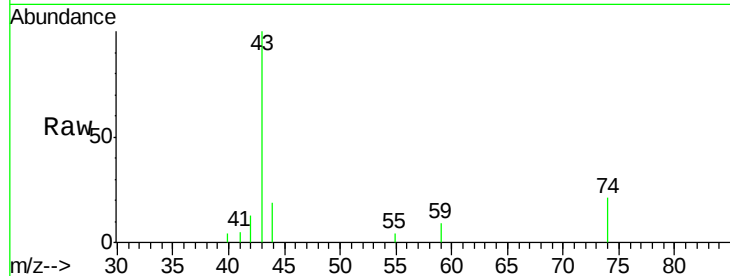
MDL03

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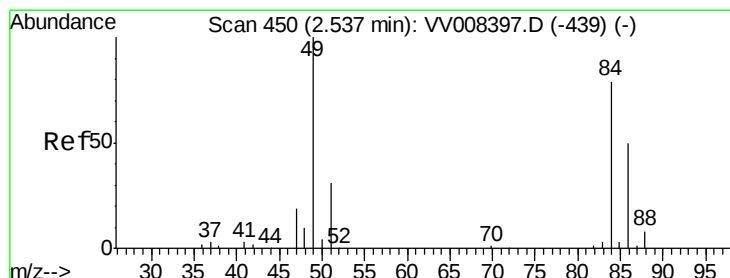
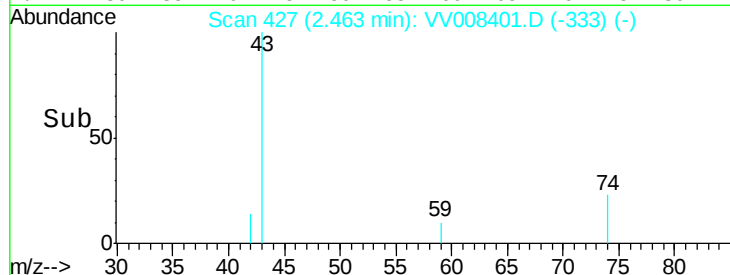
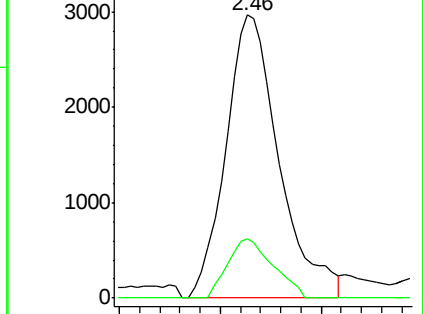
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VV008401.D (-333) (-)

Ion 74.00 (73.70 to 74.70): VV008401.D (-333) (-)



#16

Methylene chloride

Concen: 2.730 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

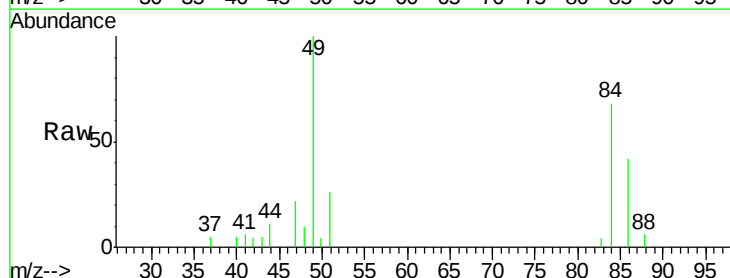
Tgt Ion: 84 Resp: 4041

Ion Ratio Lower Upper

84 100

86 61.5 45.6 84.6

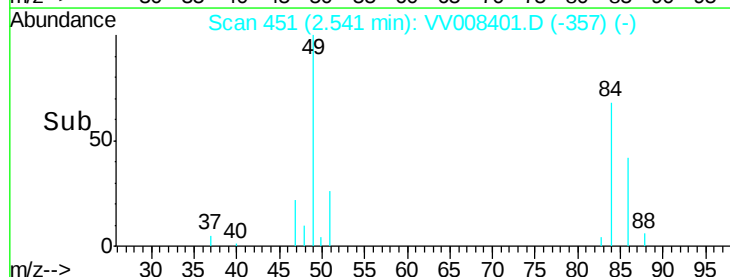
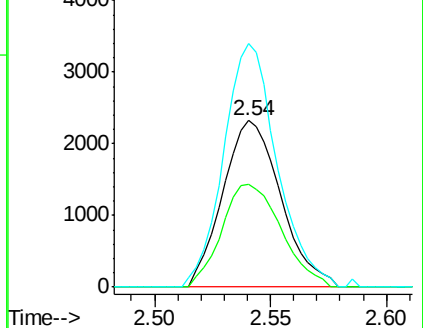
49 146.2 90.6 168.3

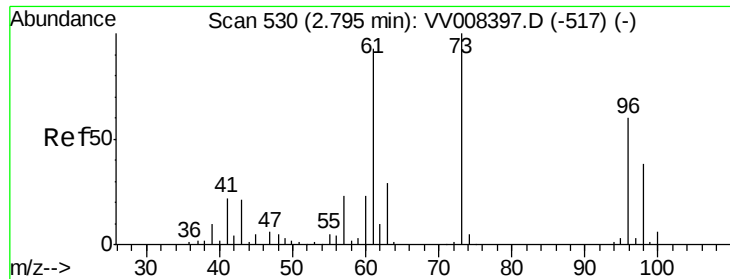


Abundance Ion 84.00 (83.70 to 84.70): VV008401.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV008401.D (-357) (-)

Ion 49.00 (48.70 to 49.70): VV008401.D (-357) (-)





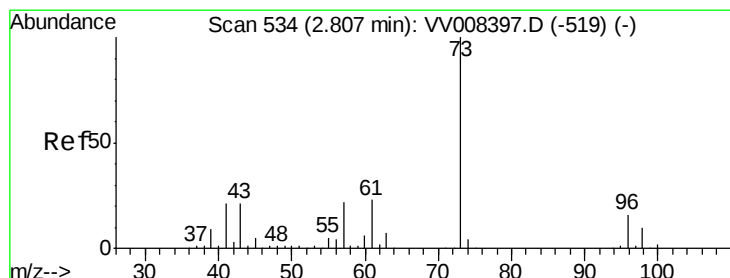
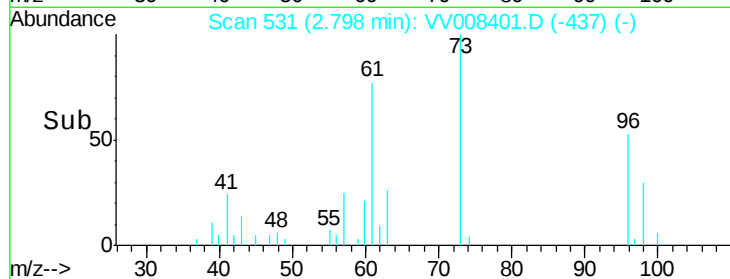
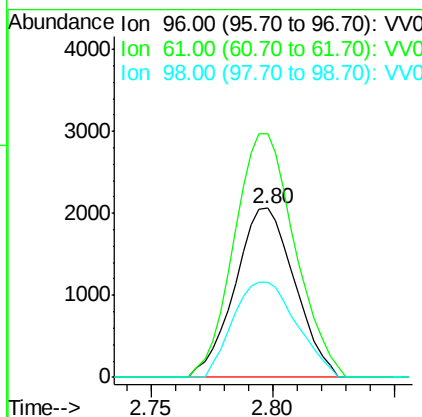
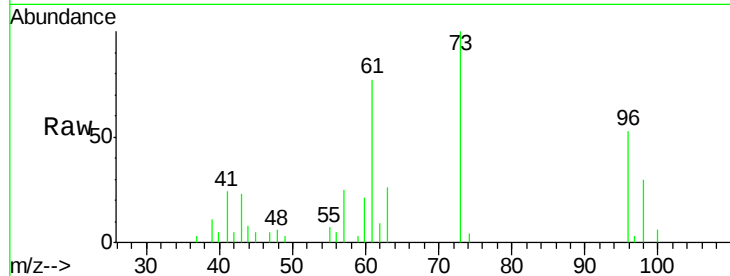
#17
trans-1,2-Dichloroethene
Concen: 2.685 ug/L
RT: 2.80 min Scan# 531
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_V
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.8	108.6	201.6
98	56.2	44.3	82.3

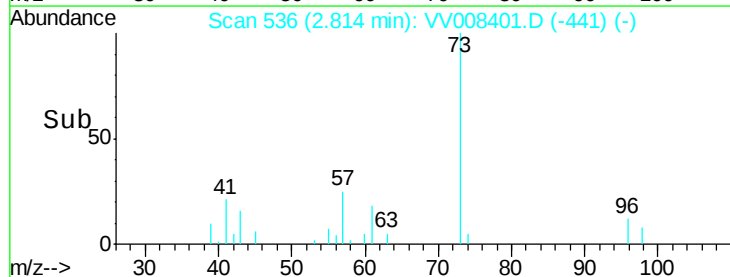
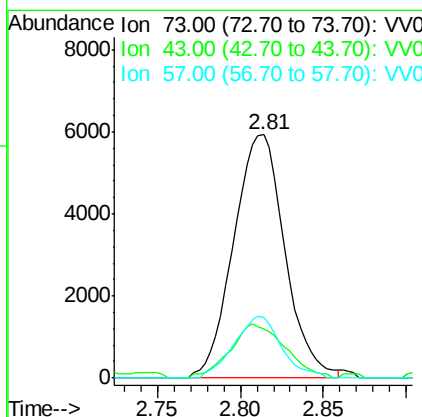
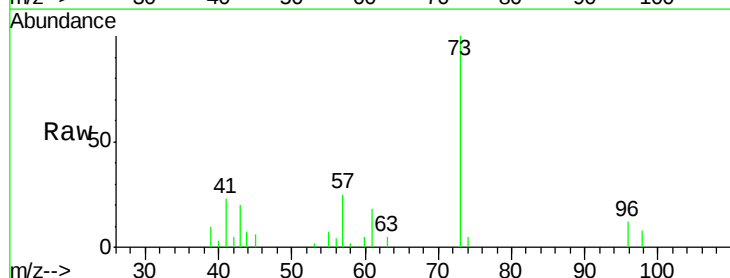
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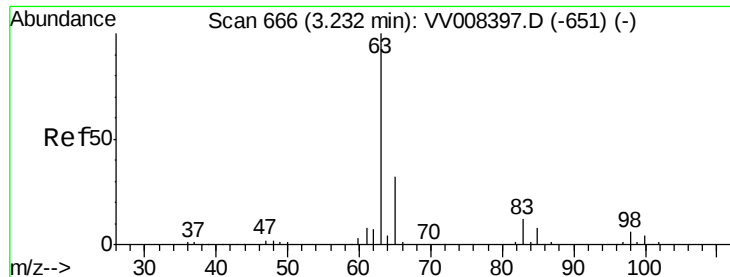
apatel
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#18
Methyl tert-butyl Ether
Concen: 2.740 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.01 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.5	16.2	24.4
57	23.4	18.2	27.2





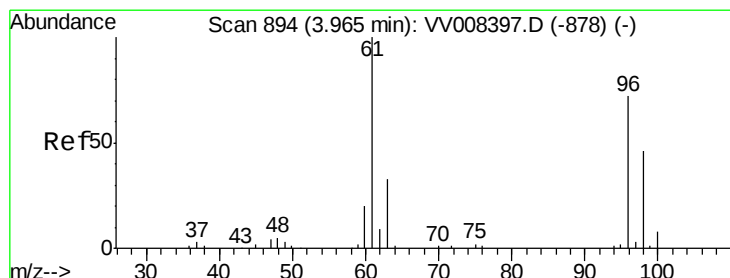
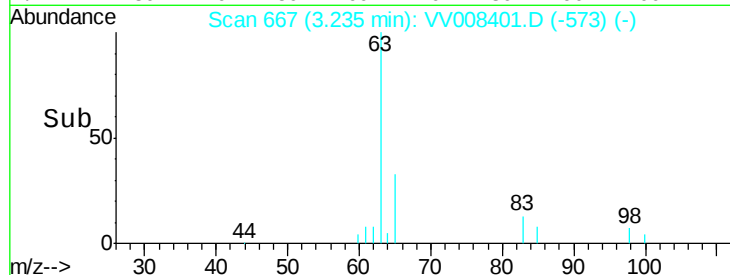
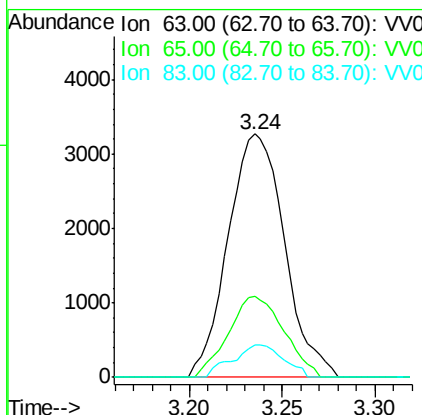
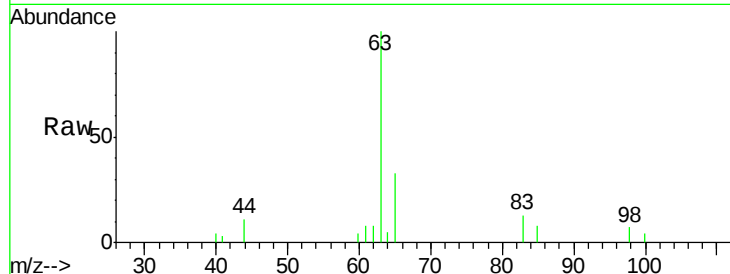
#19
 1,1-Dichloroethane
 Concen: 2.570 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL03

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.0	40.8
83	13.1	9.3	17.3

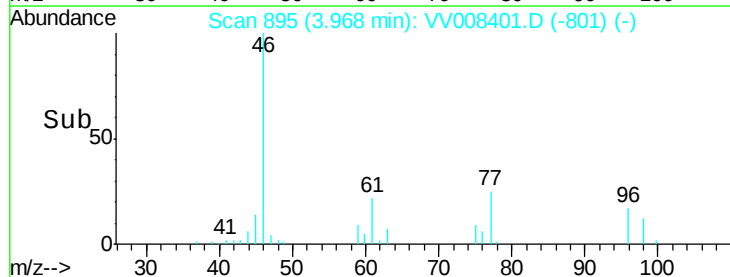
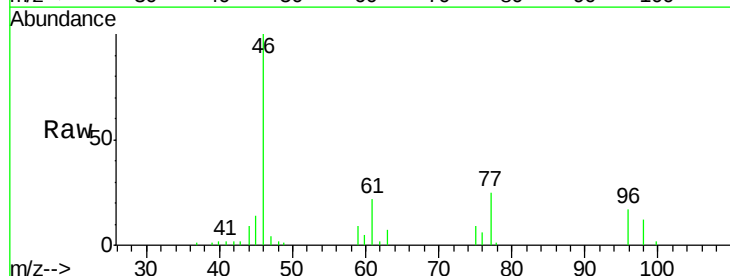
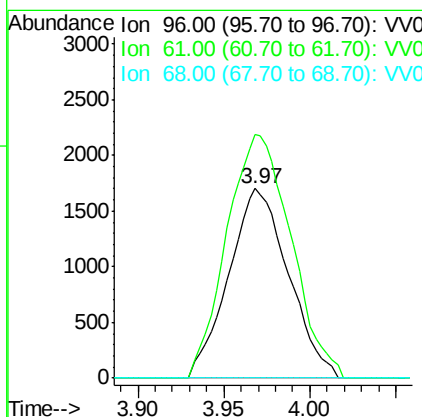
Manual Integrations
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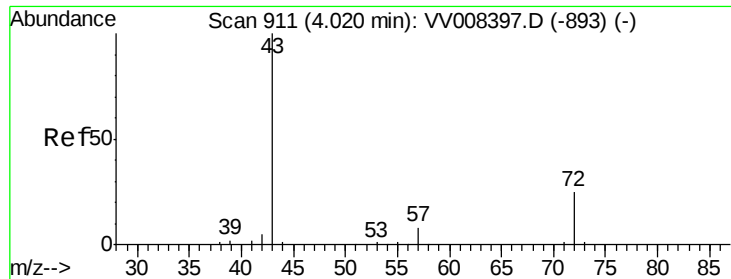
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#20
 cis-1,2-Dichloroethene
 Concen: 2.762 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.6	100.9	187.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.865 ug/L m

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 43 Resp: 6253

Ion Ratio Lower Upper

43 100

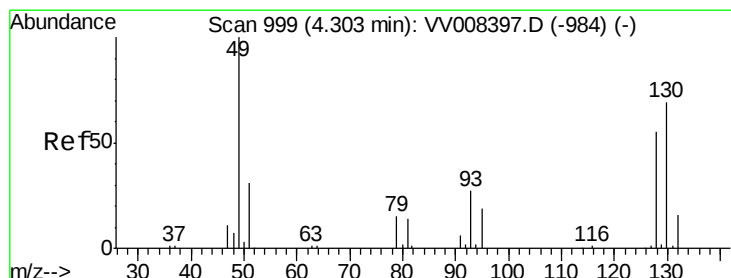
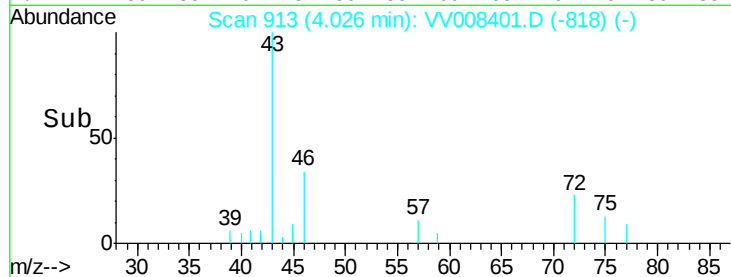
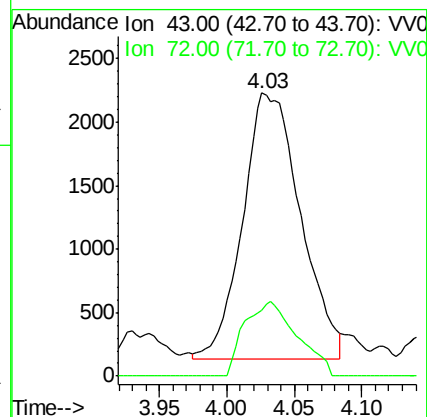
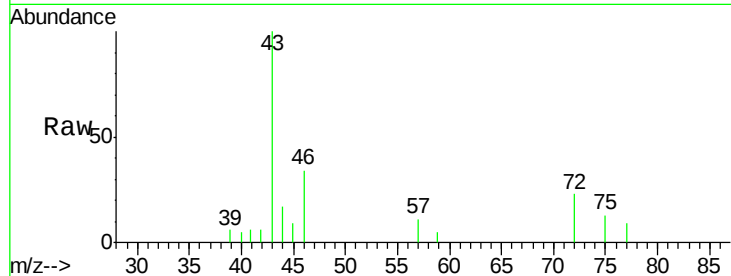
72 25.6 13.0 38.9

Manual Integrations

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#23

Bromochloromethane

Concen: 2.617 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion: 128 Resp: 1832

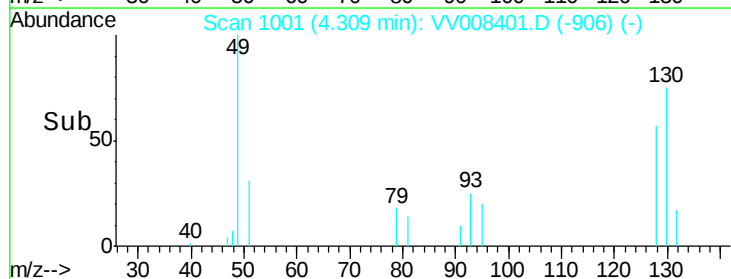
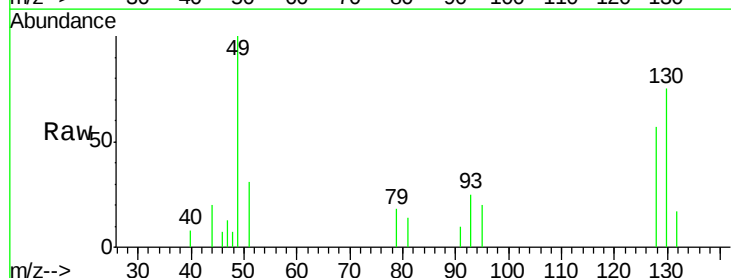
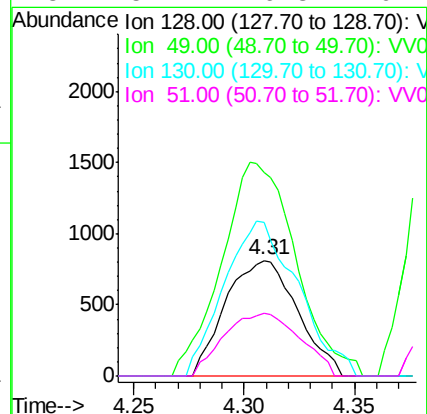
Ion Ratio Lower Upper

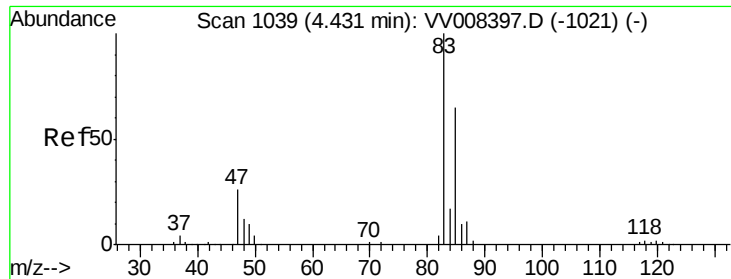
128 100

49 176.3 128.0 237.8

130 132.4 89.2 165.8

51 54.2 46.8 70.2





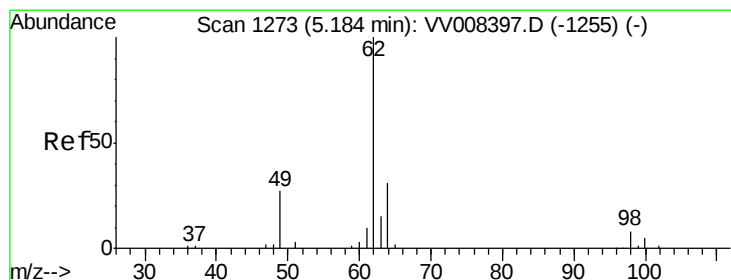
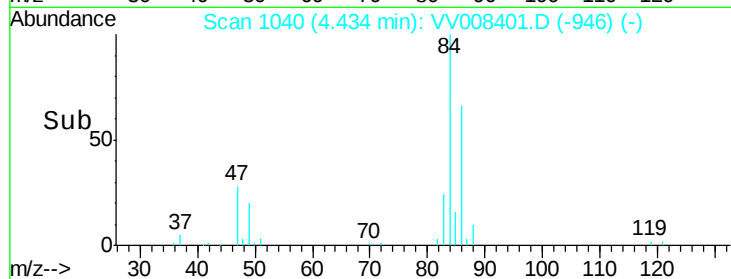
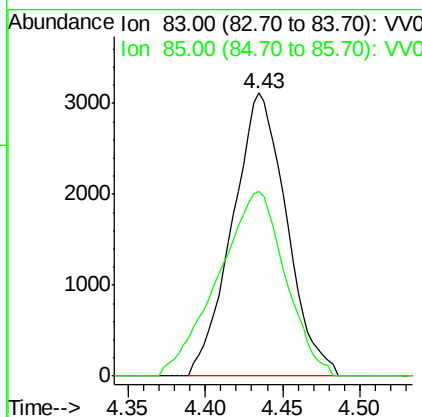
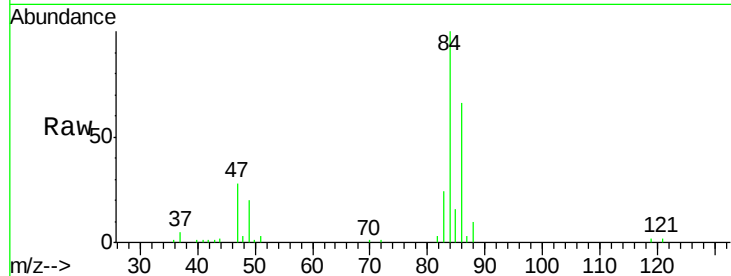
#25
Chloroform
Concen: 2.883 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion: 83 Resp: 7564
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.2

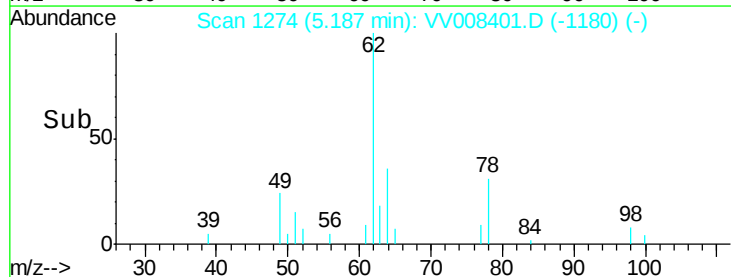
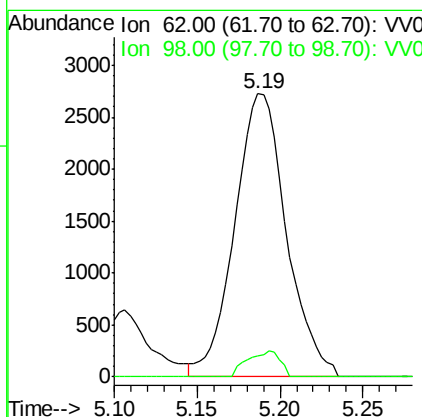
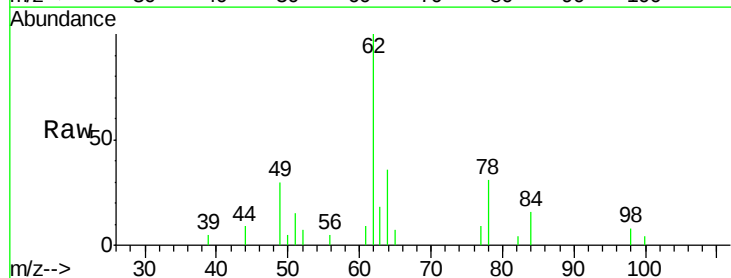
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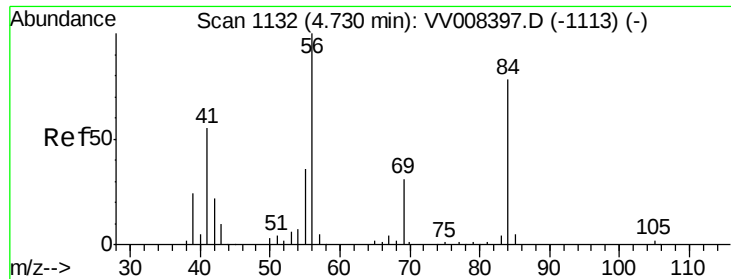
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#27
1,2-Dichloroethane
Concen: 2.703 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Tgt Ion: 62 Resp: 5923
Ion Ratio Lower Upper
62 100
98 7.5 6.6 9.8





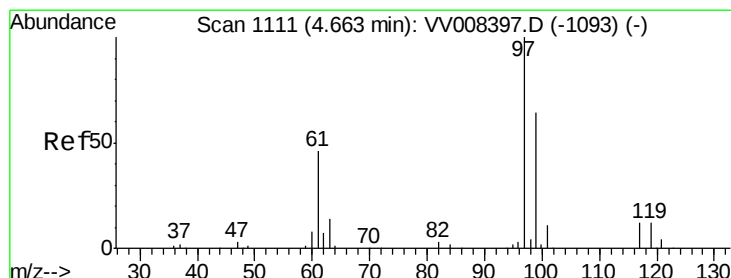
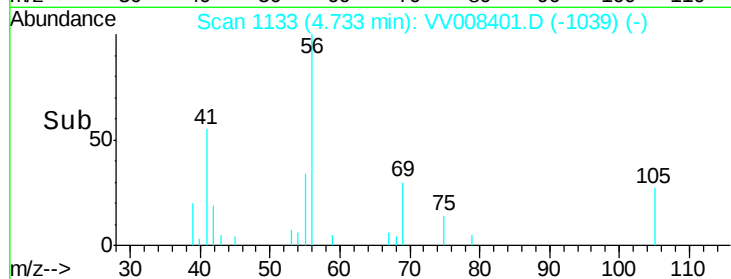
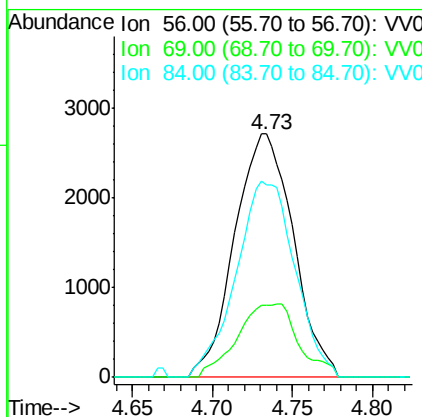
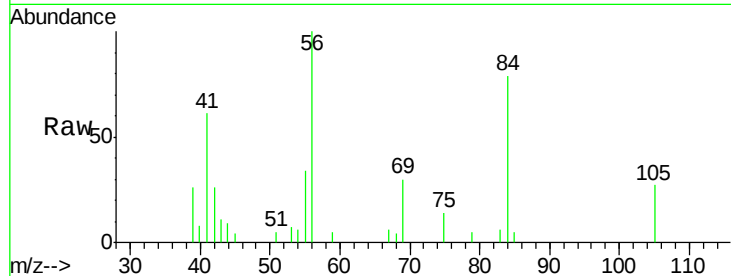
#29
Cyclohexane
Concen: 2.667 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.6	37.0
84	80.8	65.0	97.4

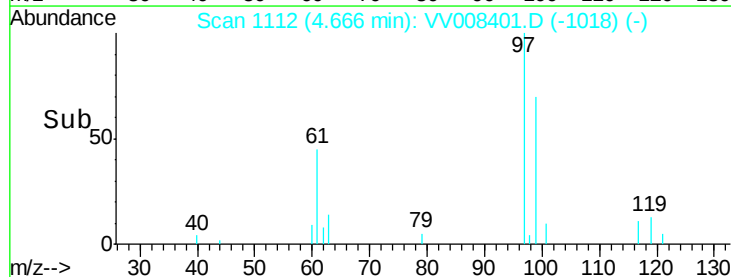
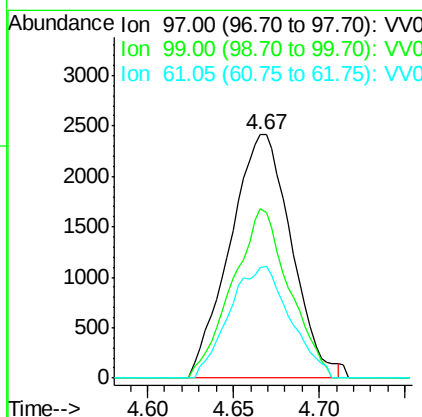
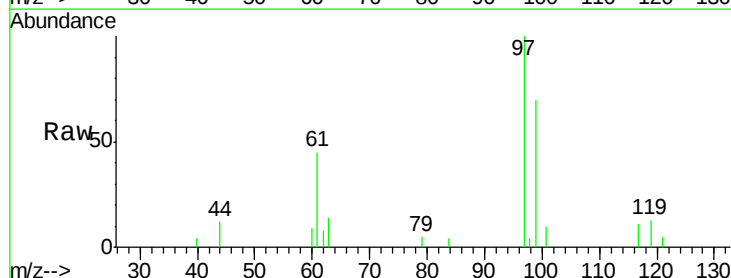
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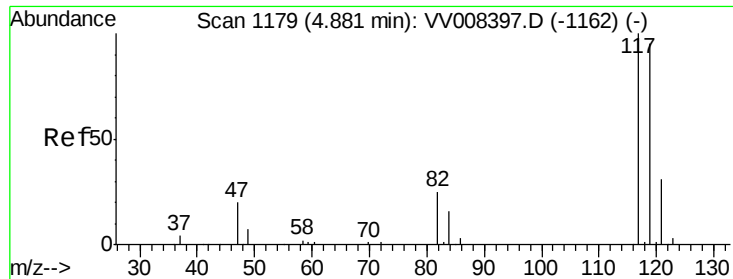
apatel
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#30
1,1,1-Trichloroethane
Concen: 2.622 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	18.2	36.5	54.7#





#31

Carbon tetrachloride

Concen: 2.554 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

MDL03

Tgt Ion:117 Resp: 4939

Ion Ratio Lower Upper

117 100

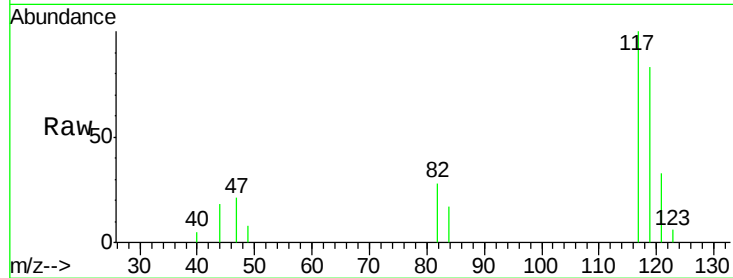
119 91.6 75.8 113.8

Manual Integrations

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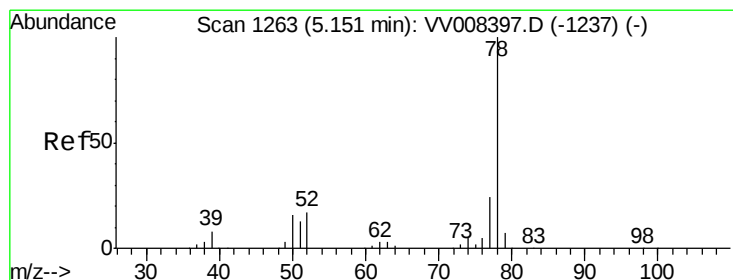
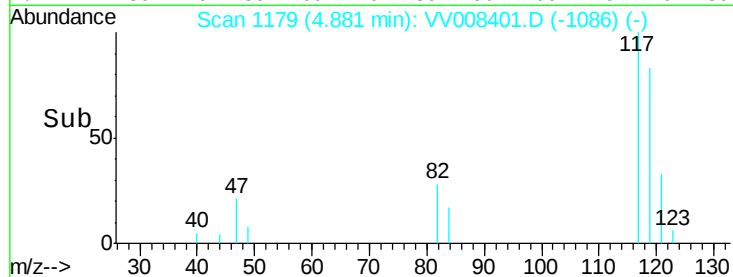
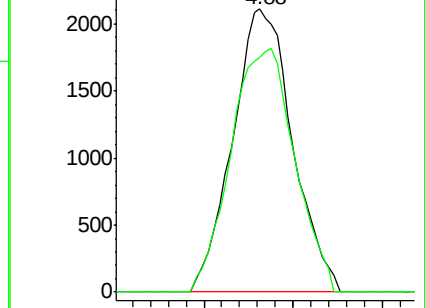
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.727 ug/L

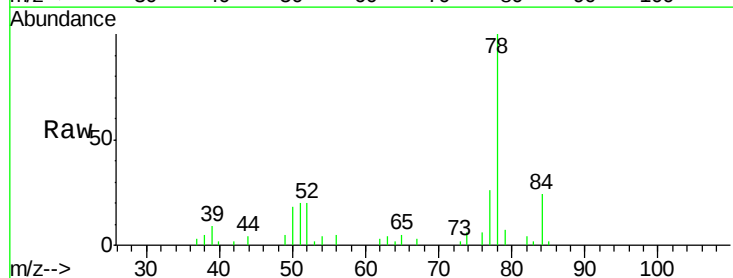
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion: 78 Resp: 15661



Abundance Ion 78.00 (77.70 to 78.70): VV0

8000

6000

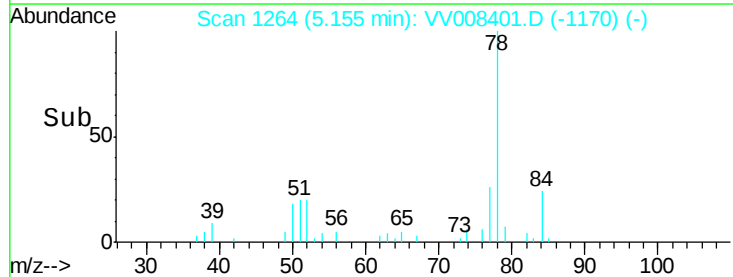
4000

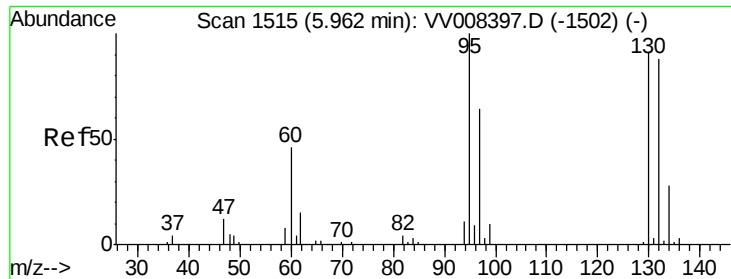
2000

0

Time-->

5.10 5.15 5.20





#34

Trichloroethene

Concen: 2.575 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008401.D

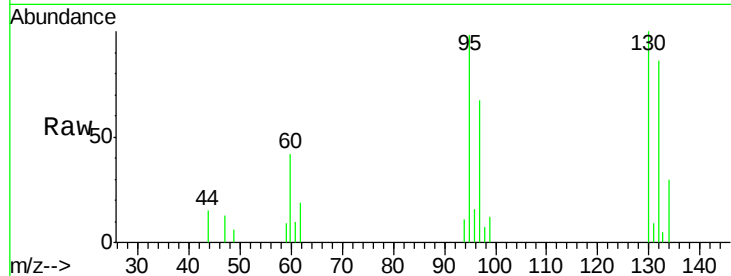
Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

MDL03



Tgt Ion: 95 Resp: 3786

Ion Ratio Lower Upper

95 100

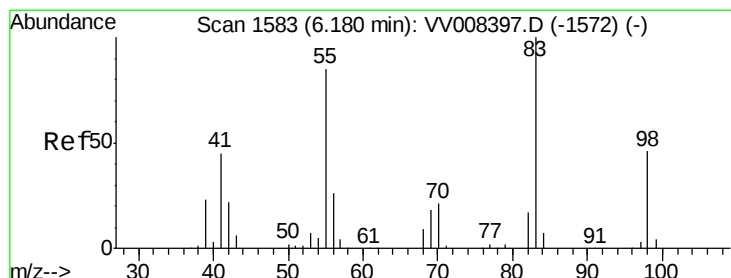
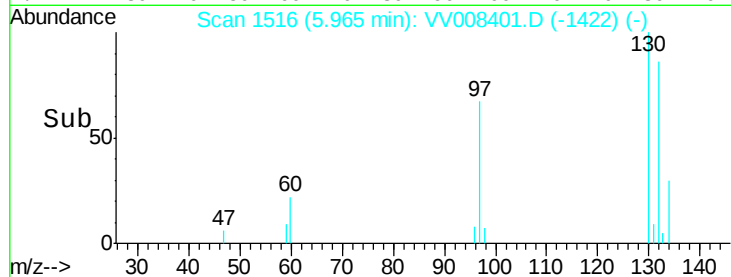
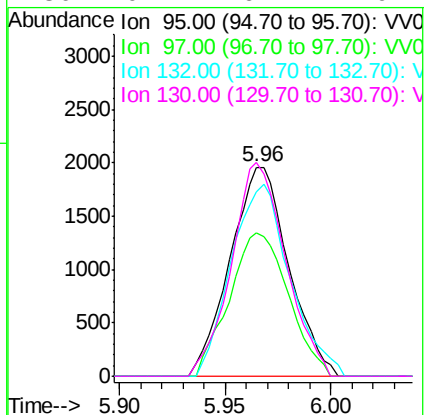
97 68.5 45.2 84.0

132 93.6 63.8 118.6

130 102.1 64.7 120.1

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#35

Methylcyclohexane

Concen: 2.406 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

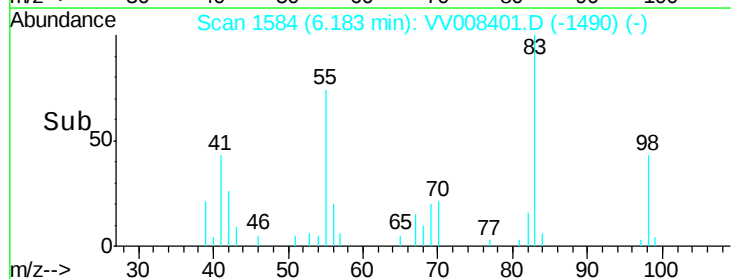
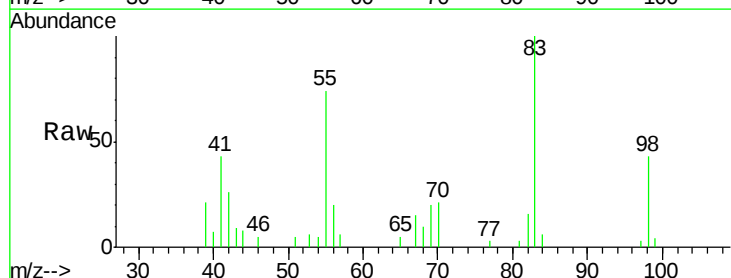
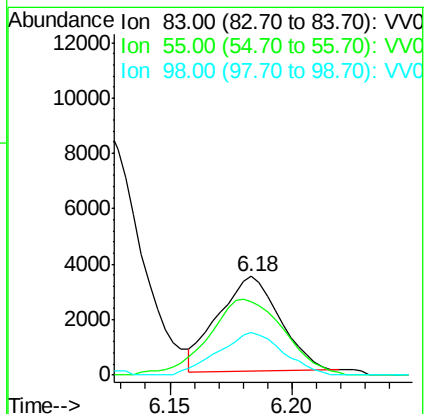
Tgt Ion: 83 Resp: 6015

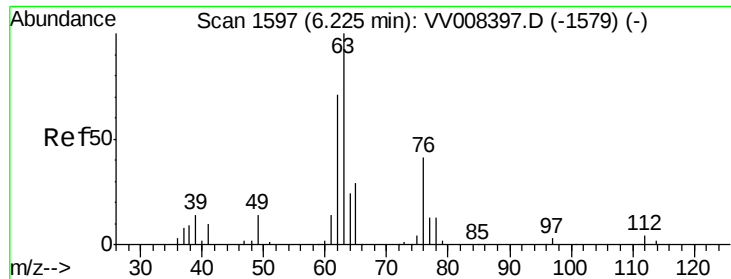
Ion Ratio Lower Upper

83 100

55 98.0 65.0 97.4#

98 47.2 36.0 54.0





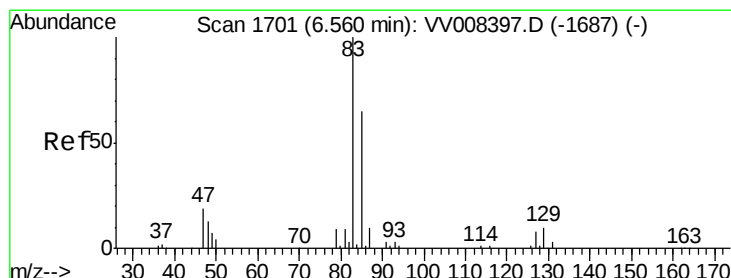
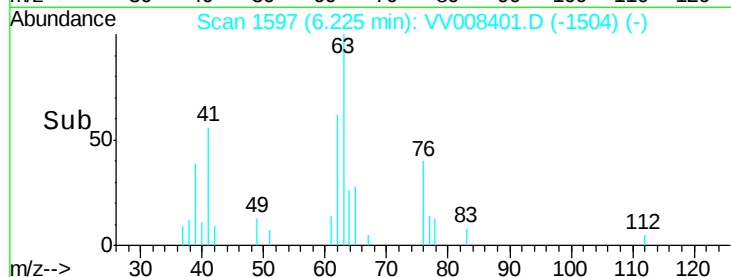
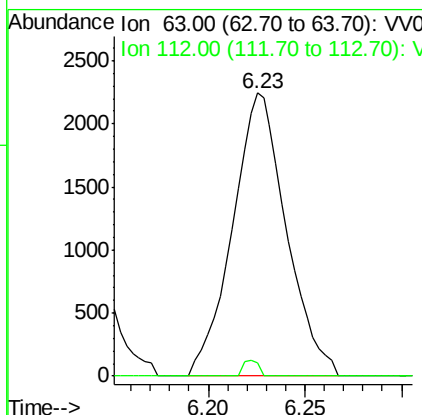
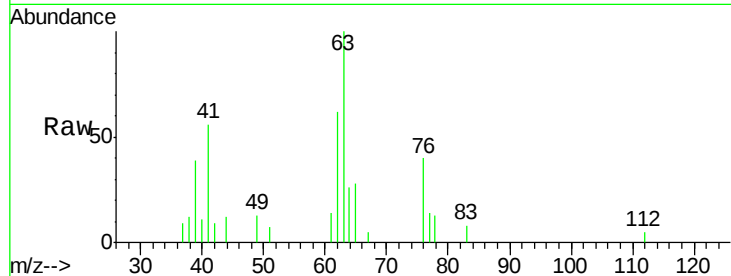
#37
 1,2-Dichloropropane
 Concen: 2.732 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion: 63 Resp: 4334
 Ion Ratio Lower Upper
 63 100
 112 1.5 2.9 4.3#

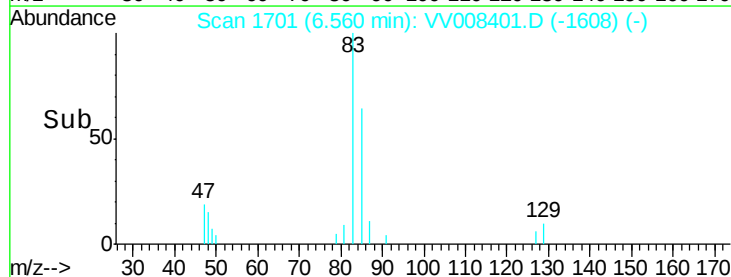
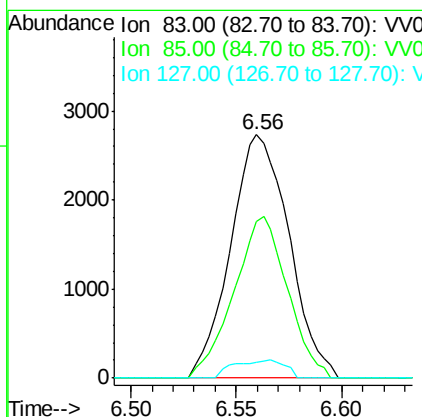
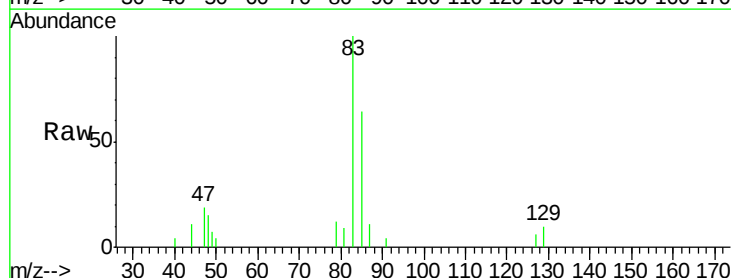
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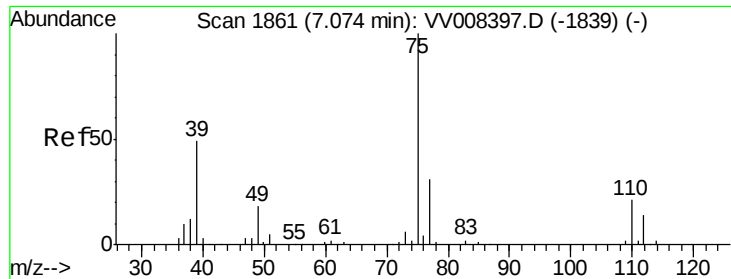
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#38
 Bromodichloromethane
 Concen: 2.599 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Tgt Ion: 83 Resp: 5254
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.3 82.3
 127 6.3 6.3 9.5#





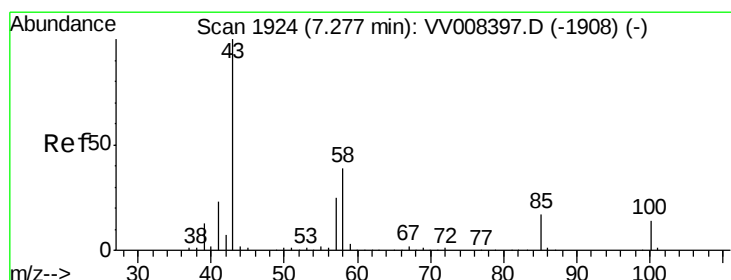
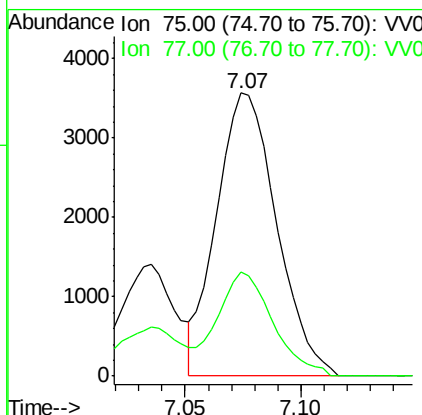
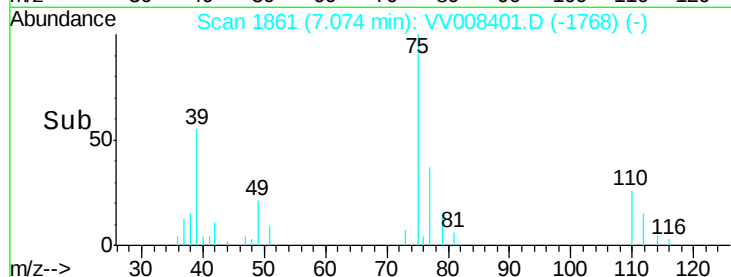
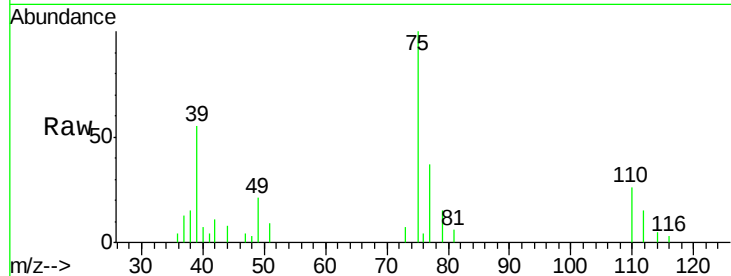
#39
 cis-1,3-Dichloropropene
 Concen: 2.580 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion: 75 Resp: 6435
 Ion Ratio Lower Upper
 75 100
 77 36.6 22.6 42.0

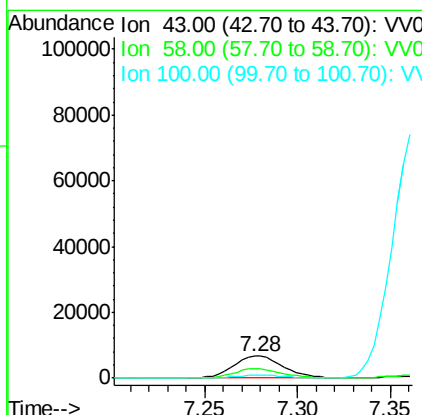
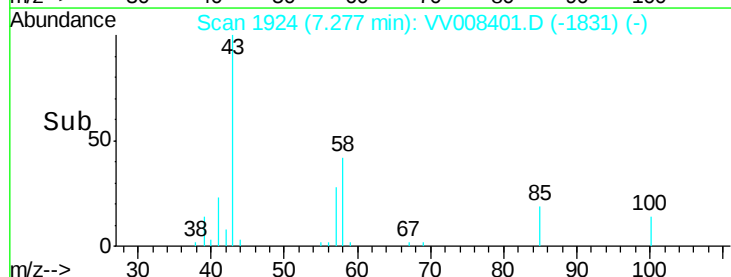
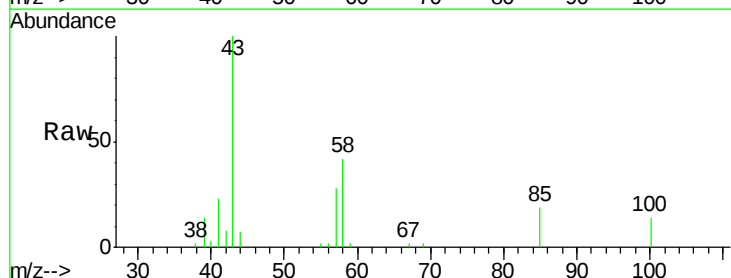
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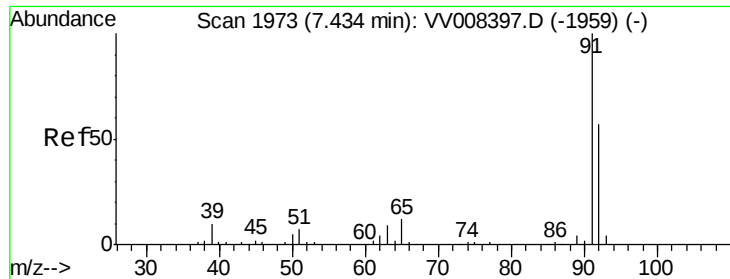
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#40
 4-Methyl-2-pentanone
 Concen: 5.316 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Tgt Ion: 43 Resp: 12486
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.9 46.3
 100 13.4 10.9 16.3





#42

Toluene

Concen: 2.718 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion: 91 Resp: 16213

Ion Ratio Lower Upper

91 100

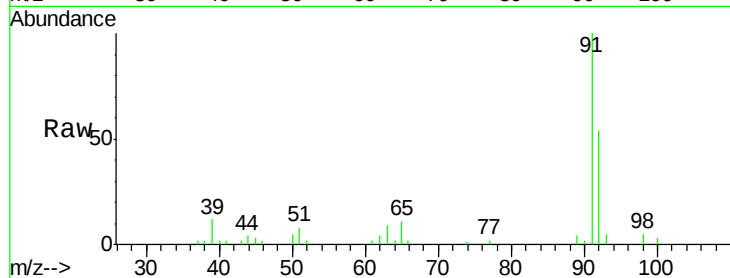
92 54.4 39.5 73.4

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Abundance Ion 91.00 (90.70 to 91.70): VV008397.D (-1959) (-)

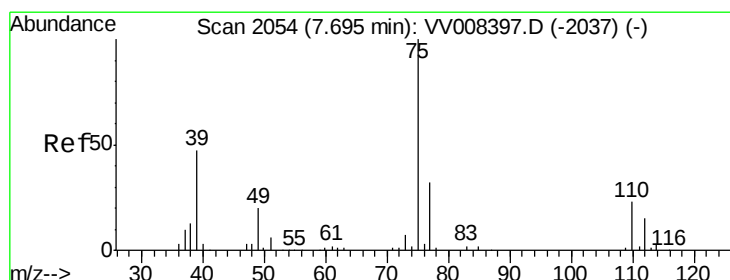
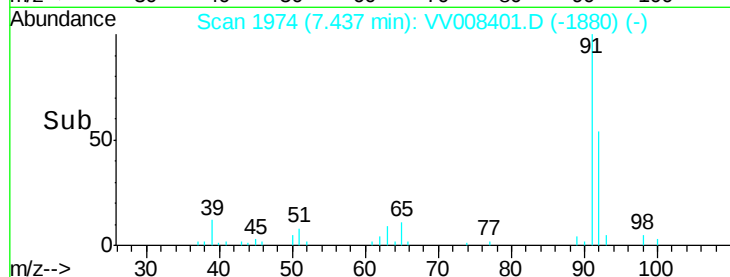
Ion 92.00 (91.70 to 92.70): VV008397.D (-1959) (-)

7.44

7.45

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 3.205 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008401.D

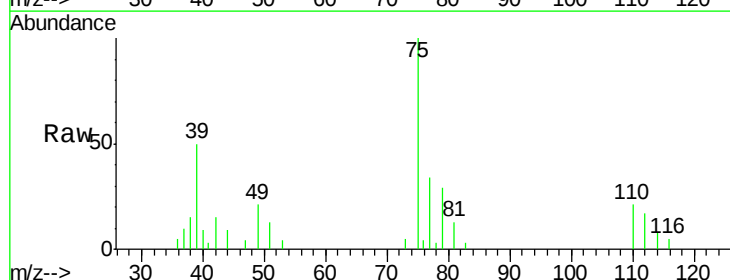
Acq: 24 Oct 2018 19:01

Tgt Ion: 75 Resp: 7478

Ion Ratio Lower Upper

75 100

77 34.4 21.8 40.4



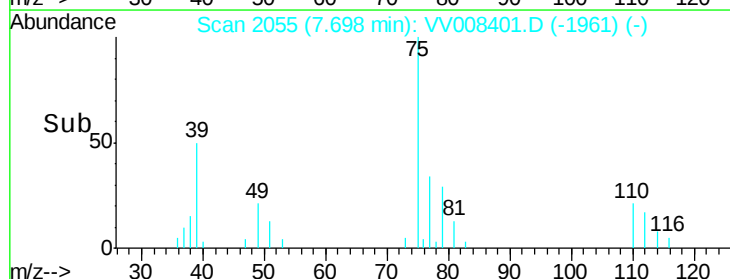
Abundance Ion 75.00 (74.70 to 75.70): VV008397.D (-2037) (-)

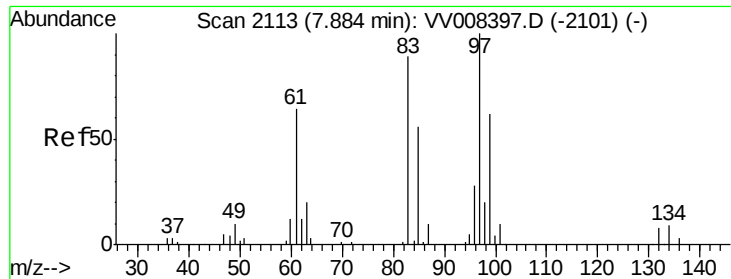
Ion 77.00 (76.70 to 77.70): VV008397.D (-2037) (-)

7.70

7.75

Time-->





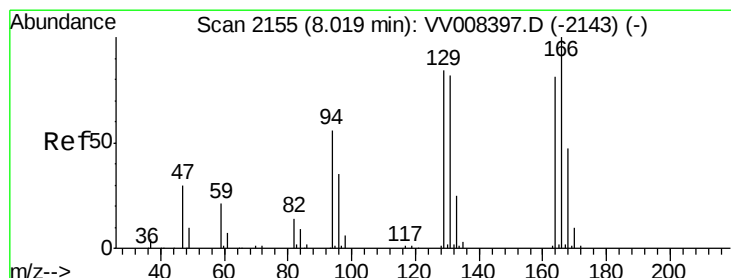
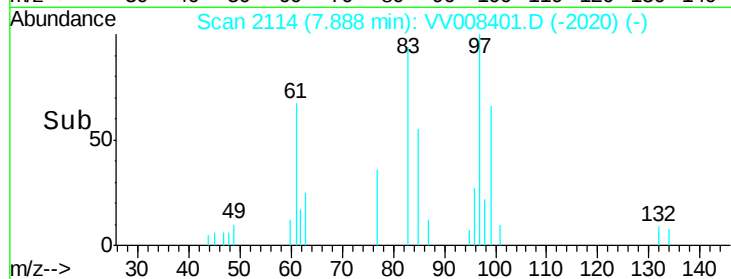
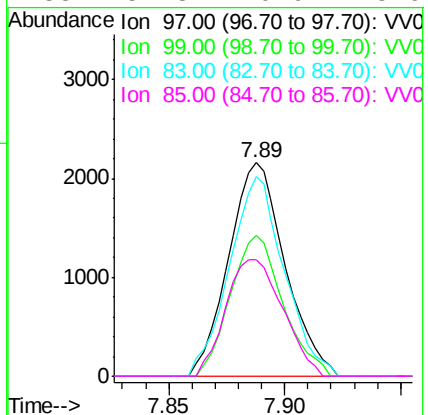
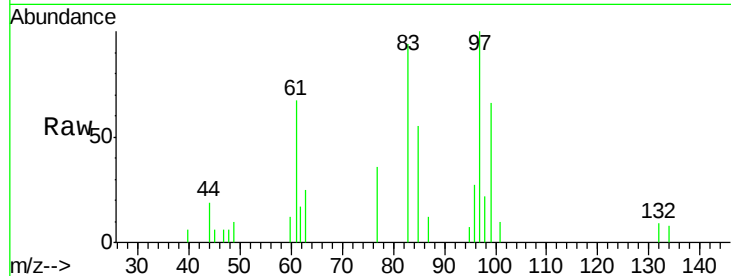
#45
 1,1,2-Trichloroethane
 Concen: 2.600 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion:	97	Resp:	3647
Ion	Ratio	Lower	Upper
97	100		
99	66.2	43.3	80.3
83	93.7	61.9	114.9
85	54.8	40.9	75.9

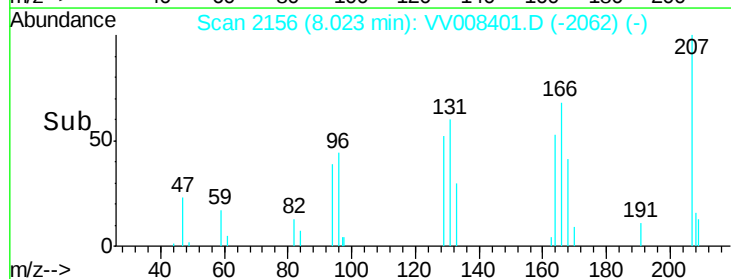
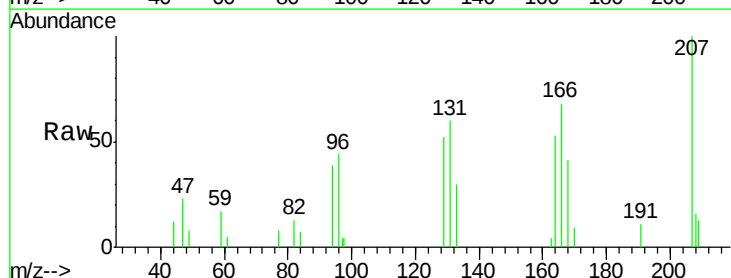
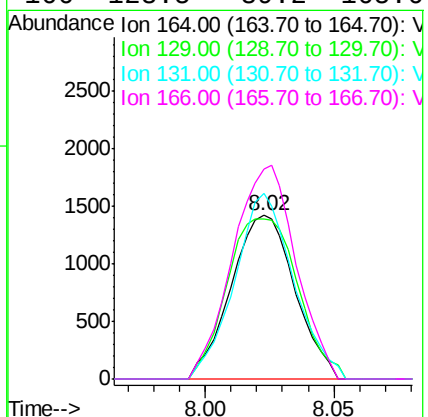
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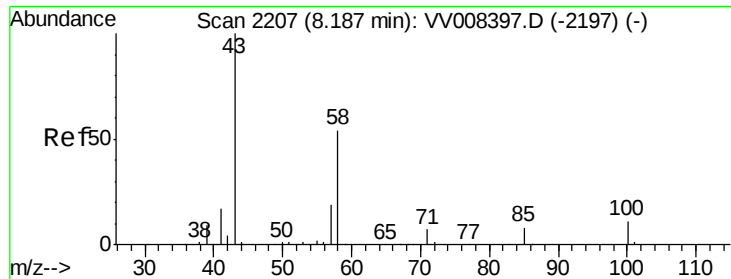
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#46
 Tetrachloroethene
 Concen: 2.556 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Tgt Ion:	164	Resp:	2450
Ion	Ratio	Lower	Upper
164	100		
129	98.1	75.0	139.2
131	113.2	71.3	132.3
166	128.5	89.2	165.6





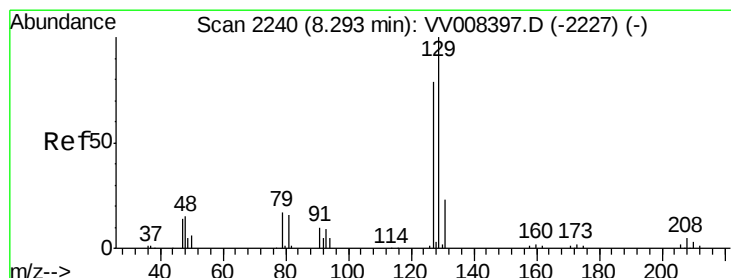
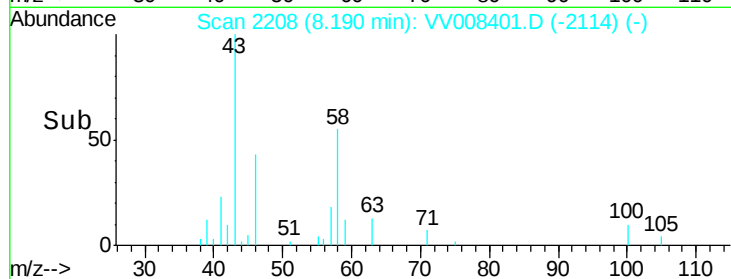
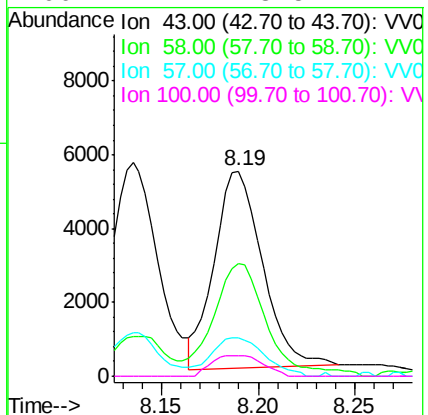
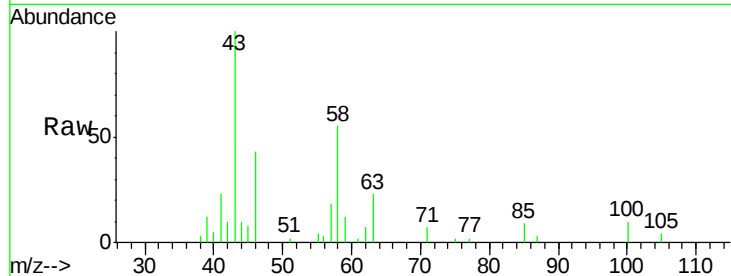
#48
2-Hexanone
Concen: 5.144 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion:	43	Resp:	9324
Ion	Ratio	Lower	Upper
43	100		
58	62.8	42.6	63.8
57	21.5	14.8	22.2
100	11.2	8.5	12.7

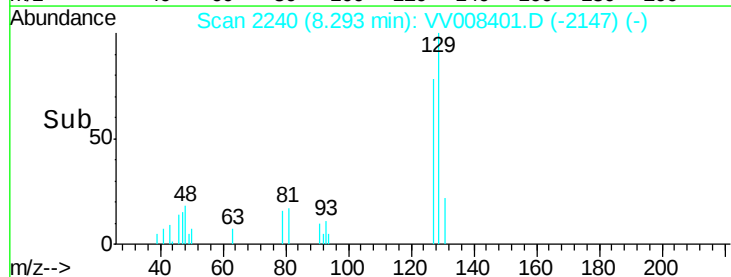
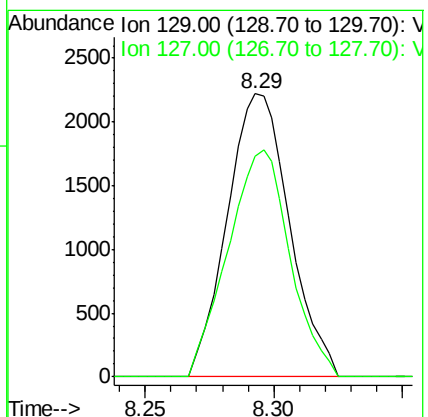
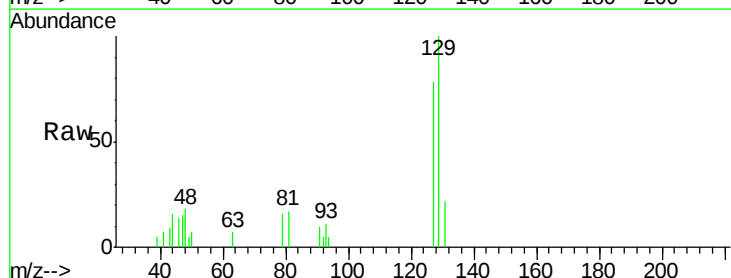
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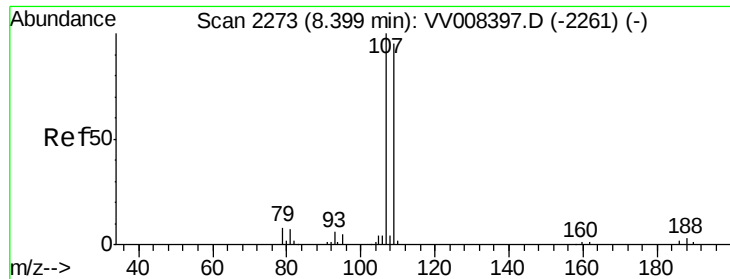
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#49
Dibromochloromethane
Concen: 2.481 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Tgt Ion:	129	Resp:	3739
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.9	101.9





#50

1,2-Dibromoethane

Concen: 2.585 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

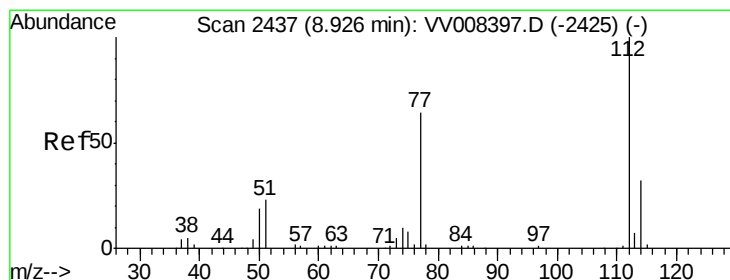
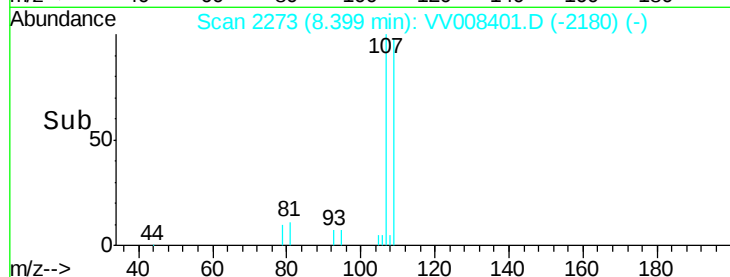
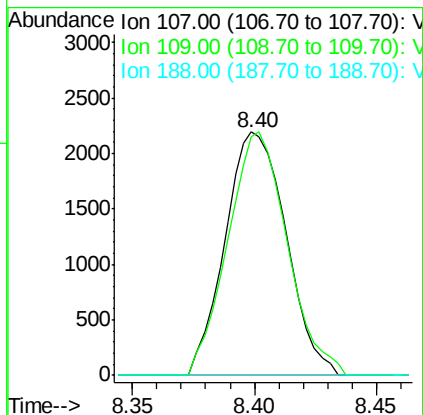
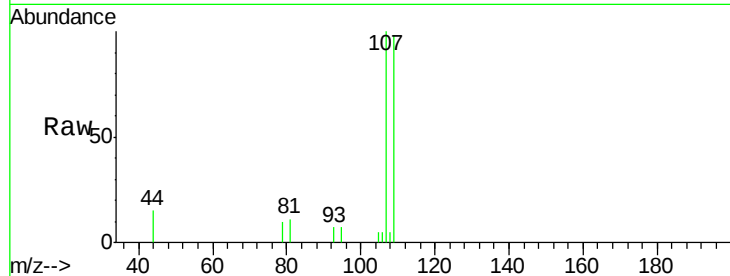
ClientSampled :

MDL03

Tgt Ion:	107	Resp:	3804
Ion Ratio	Lower	Upper	
107	100		
109	98.0	65.2	121.2
188	0.0	2.3	3.5#

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#51

Chlorobenzene

Concen: 2.635 ug/L

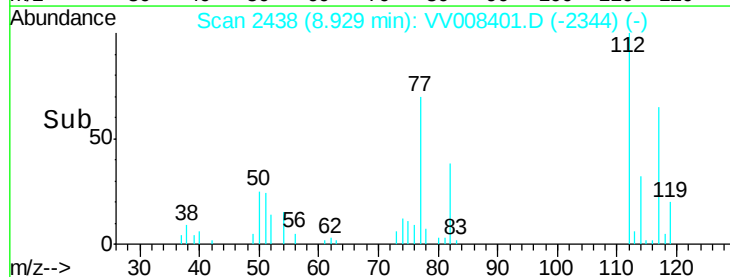
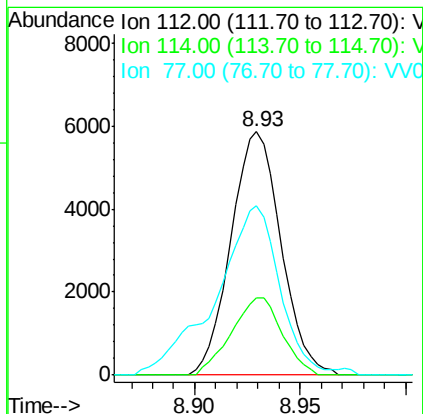
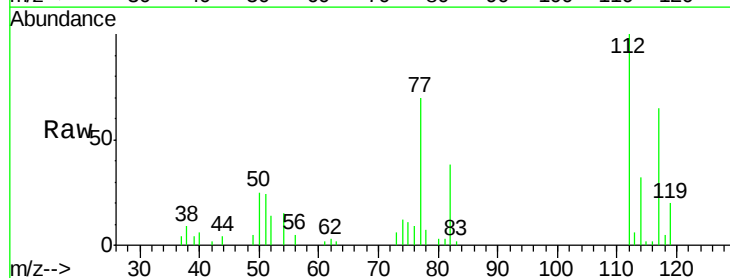
RT: 8.93 min Scan# 2438

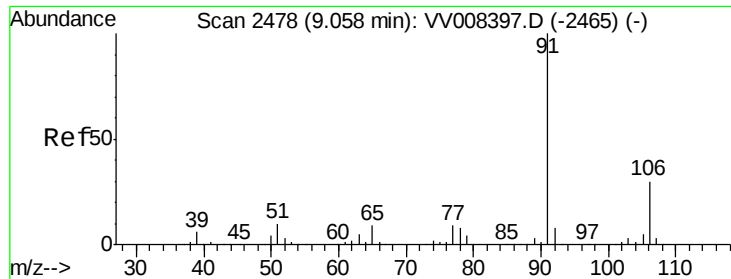
Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion:	112	Resp:	9679
Ion Ratio	Lower	Upper	
112	100		
114	31.8	22.5	41.7
77	69.8	52.0	78.0





#52

Ethylbenzene

Concen: 2.603 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion: 91 Resp: 17395

Ion Ratio Lower Upper

91 100

106 29.3 21.3 39.5

Instrument :

MSVOA_V

ClientSampleId :

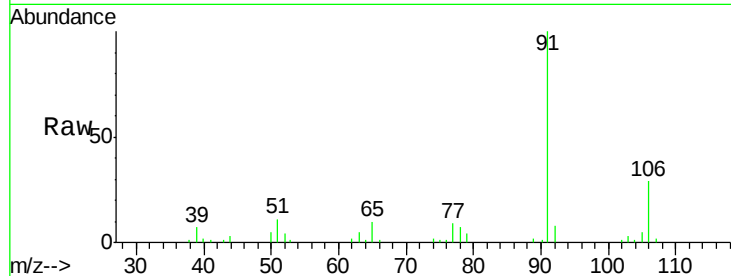
MDL03

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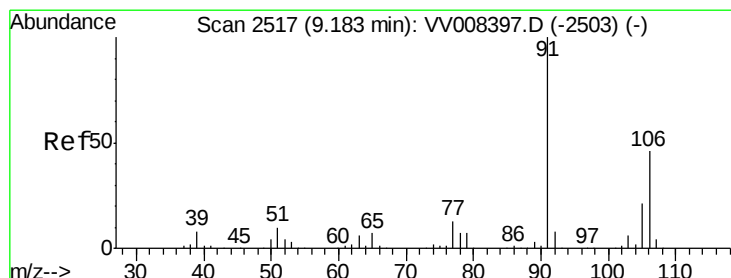
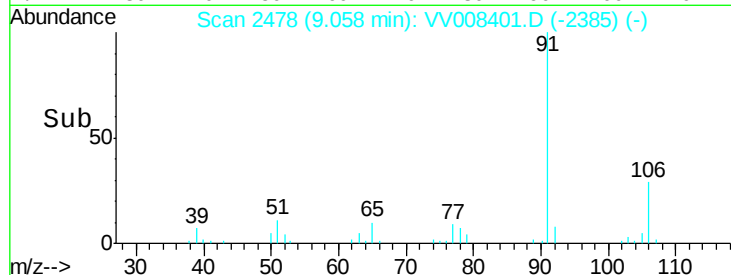


Abundance Ion 91.00 (90.70 to 91.70): VV008401.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008401.D (-2385) (-)

9.06

Time-->



#53

m,p-Xylene

Concen: 2.701 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008401.D

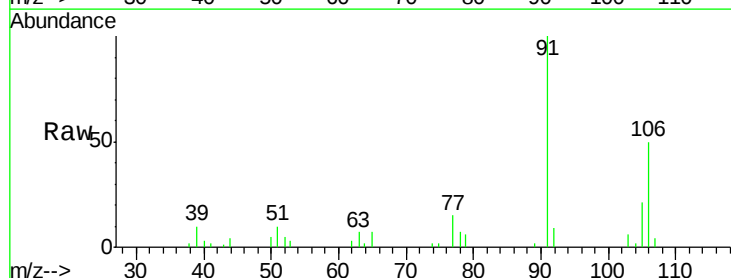
Acq: 24 Oct 2018 19:01

Tgt Ion: 106 Resp: 6594

Ion Ratio Lower Upper

106 100

91 198.3 150.0 278.6

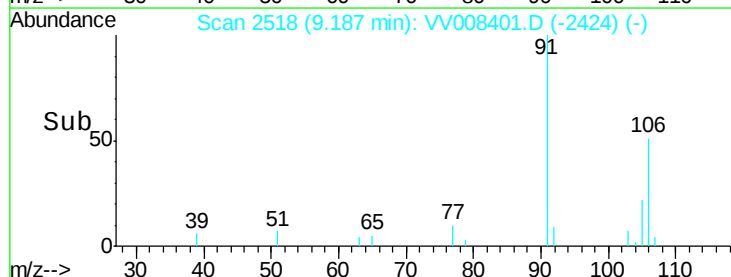


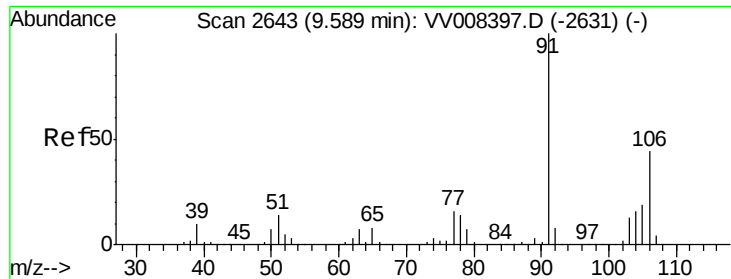
Abundance Ion 106.00 (105.70 to 106.70): VV008401.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008401.D (-2424) (-)

9.19

Time-->





#54

o-xylene

Concen: 2.635 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

MDL03

Tgt Ion:106 Resp: 6424

Ion Ratio Lower Upper

106 100

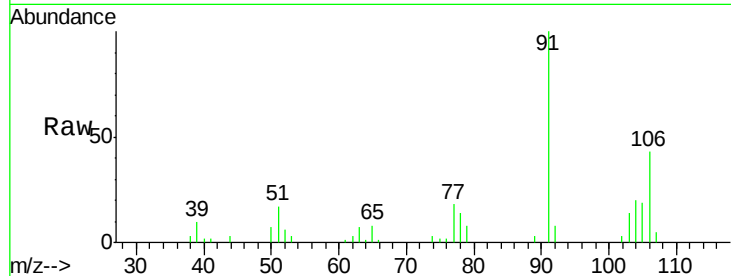
91 235.0 158.7 294.7

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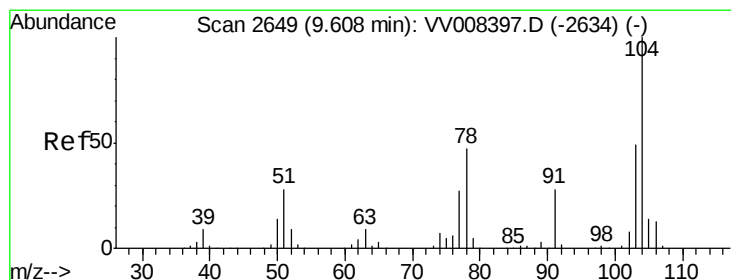
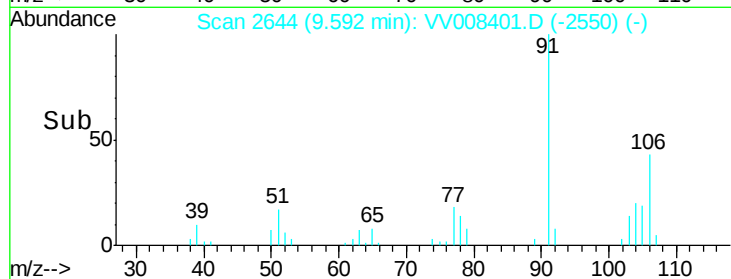
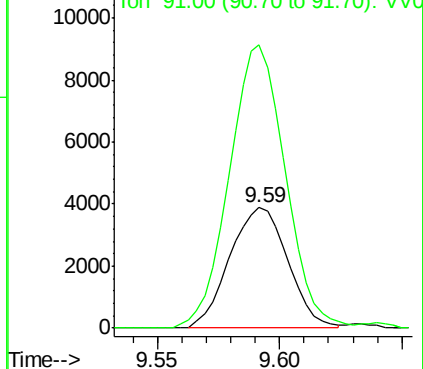
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.545 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008401.D

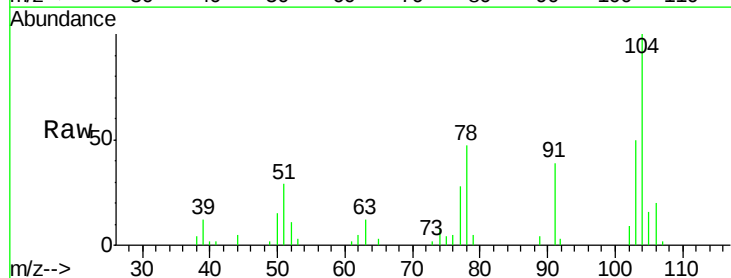
Acq: 24 Oct 2018 19:01

Tgt Ion:104 Resp: 10455

Ion Ratio Lower Upper

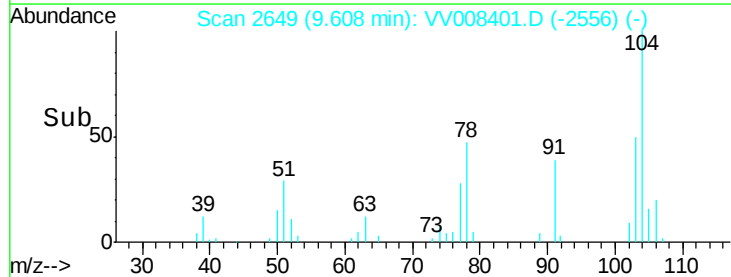
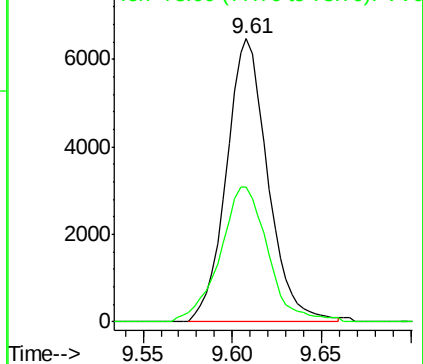
104 100

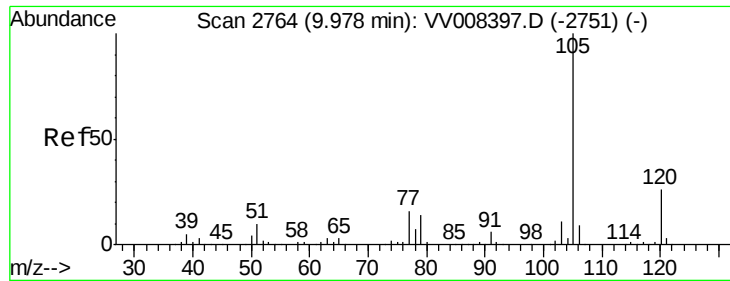
78 47.5 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.509 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

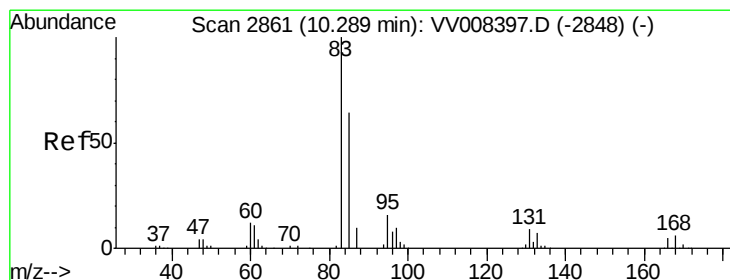
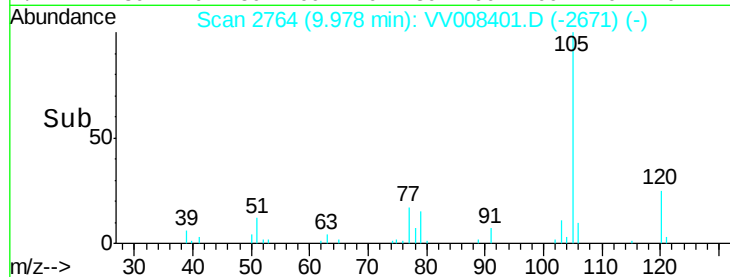
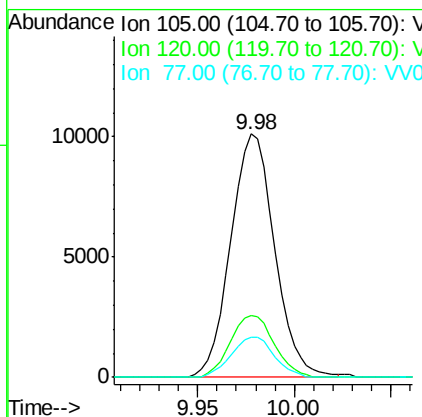
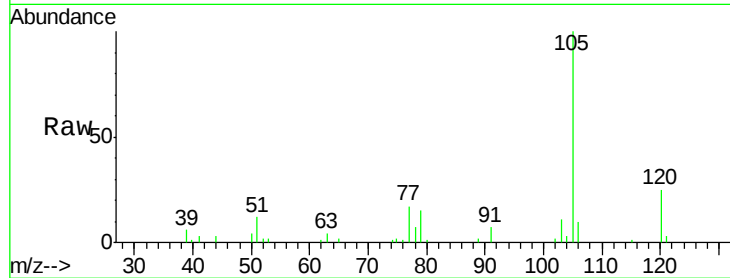
ClientSampleId :

MDL03

Tgt Ion:	105	Resp:	16003
Ion Ratio	Lower	Upper	
105	100		
120	25.3	20.7	31.1
77	16.3	13.5	20.3

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 2.849 ug/L

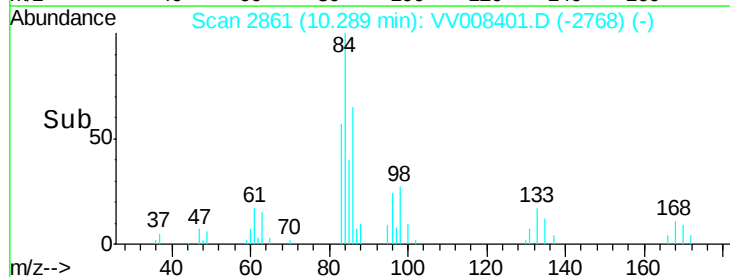
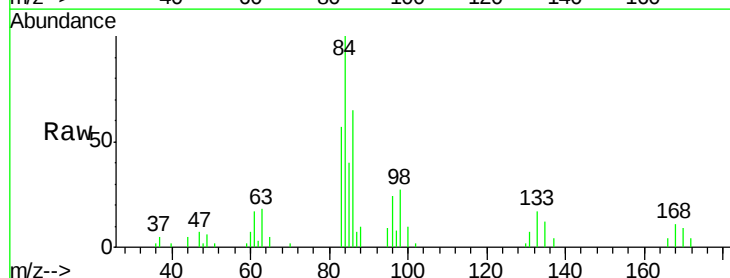
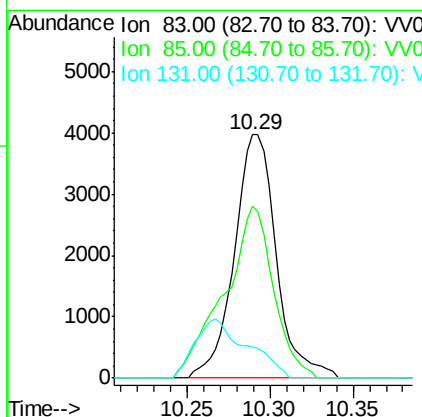
RT: 10.29 min Scan# 2861

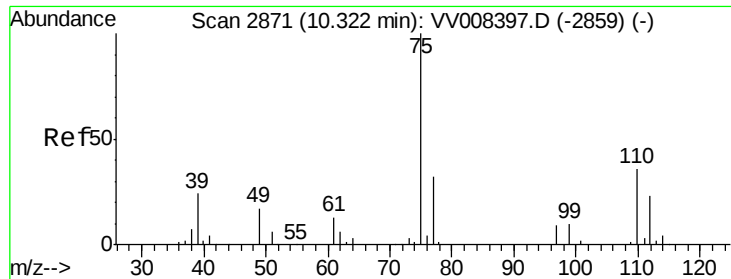
Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Tgt Ion:	83	Resp:	6999
Ion Ratio	Lower	Upper	
83	100		
85	70.6	45.8	85.2
131	12.7	7.3	10.9#





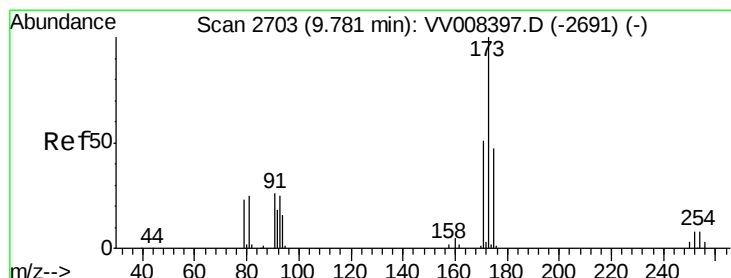
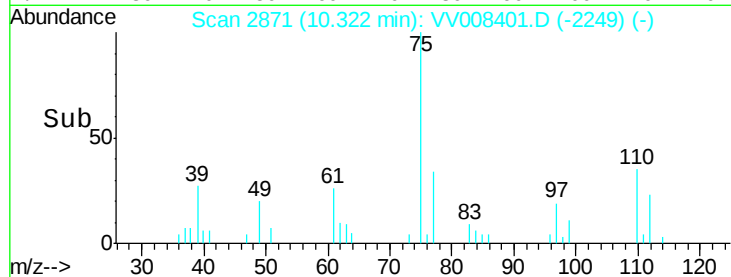
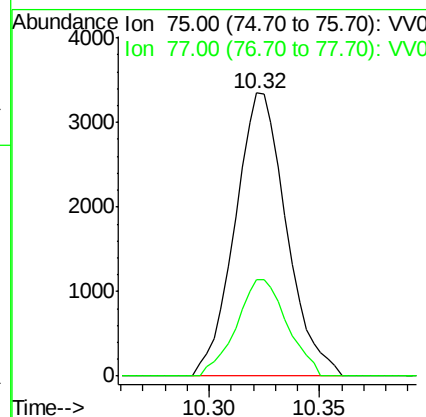
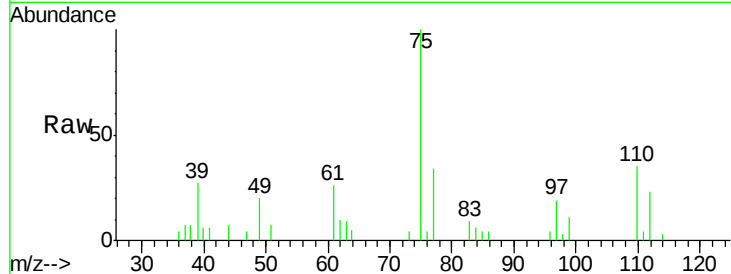
#59
 1,2,3-Trichloropropane
 Concen: 2.725 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_V
 ClientSampled :
 MDL03

Tgt Ion: 75 Resp: 5418
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.8

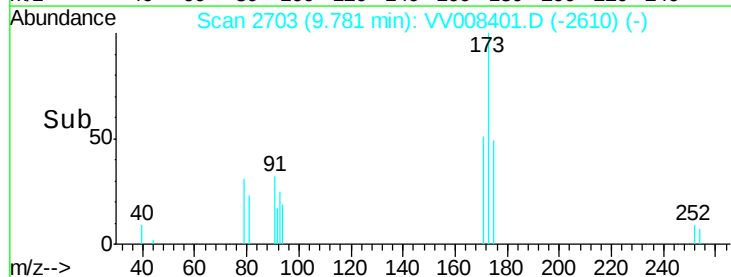
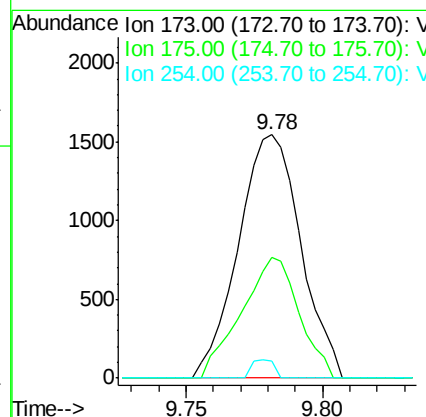
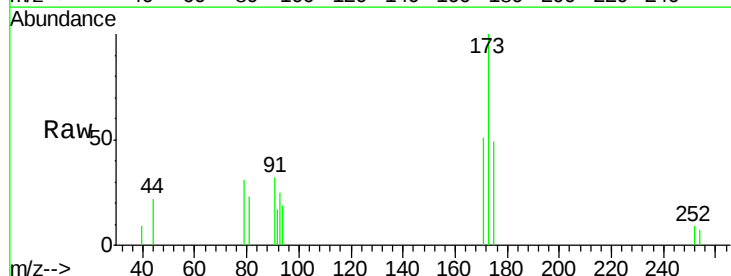
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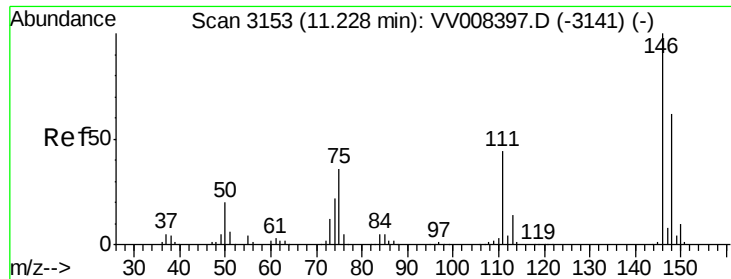
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#61
 Bromoform
 Concen: 2.631 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Tgt Ion: 173 Resp: 2445
 Ion Ratio Lower Upper
 173 100
 175 45.8 38.6 57.8
 254 2.6 5.9 8.9#





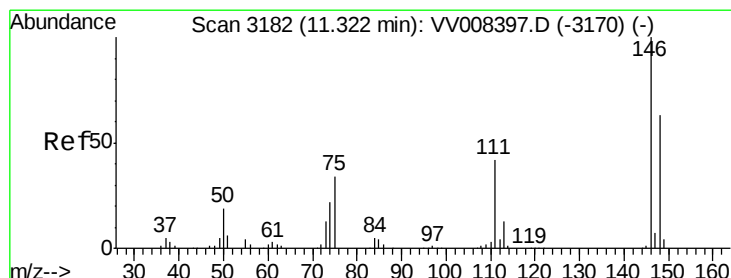
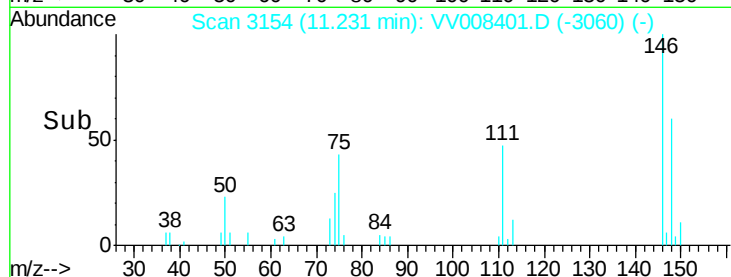
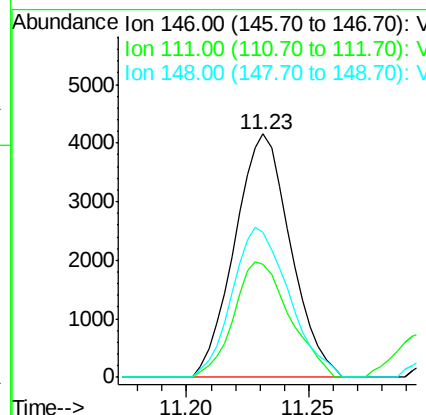
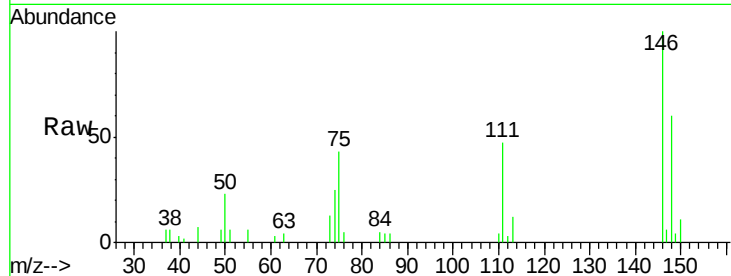
#62
 1,3-Dichlorobenzene
 Concen: 2.714 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	30.9	57.3
148	59.8	44.1	81.9

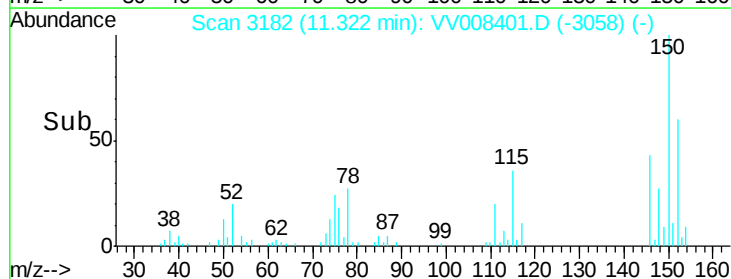
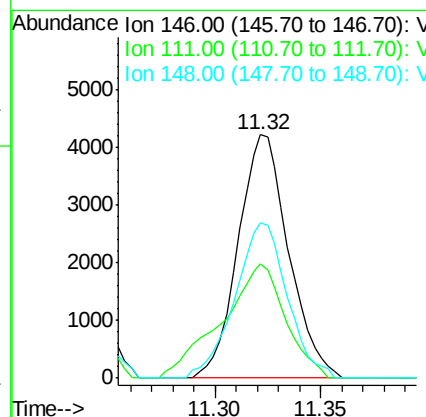
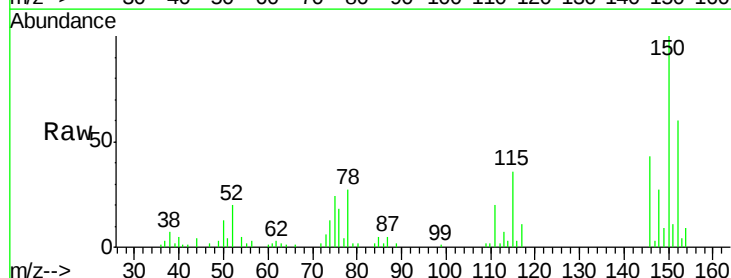
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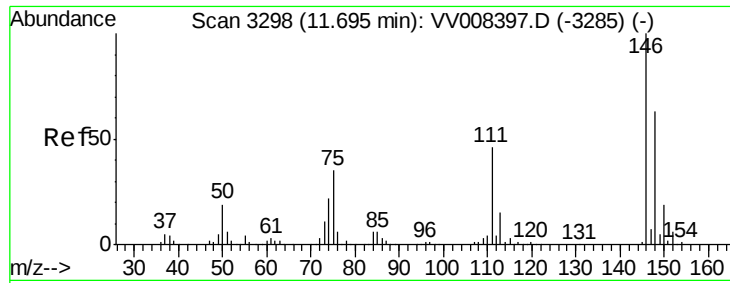
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#63
 1,4-Dichlorobenzene
 Concen: 2.877 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	29.8	55.4
148	63.9	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 2.755 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_V

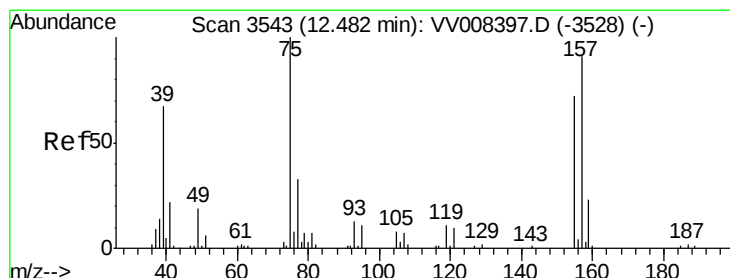
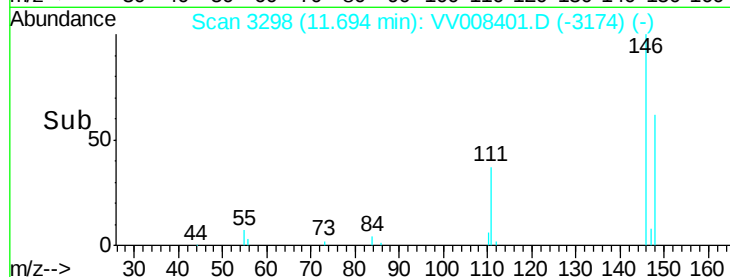
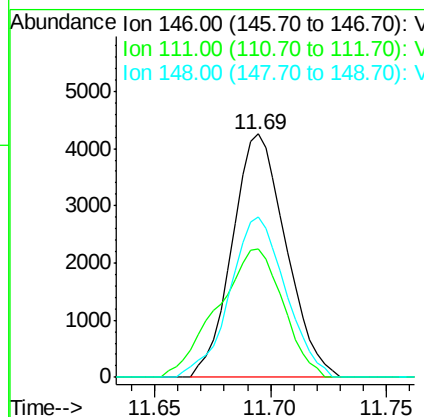
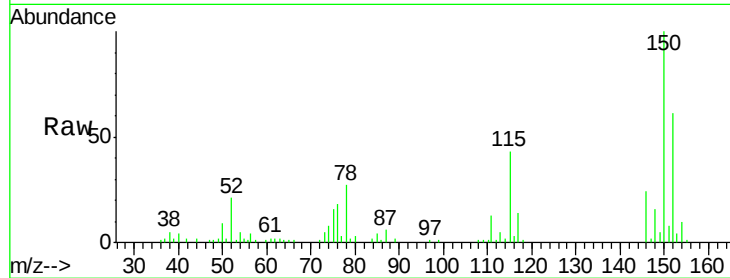
ClientSampleId :

MDL03

Tgt Ion:	146	Resp:	6839
Ion Ratio	Lower	Upper	
146	100		
111	52.8	36.2	54.2
148	66.0	50.3	75.5

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.463 ug/L

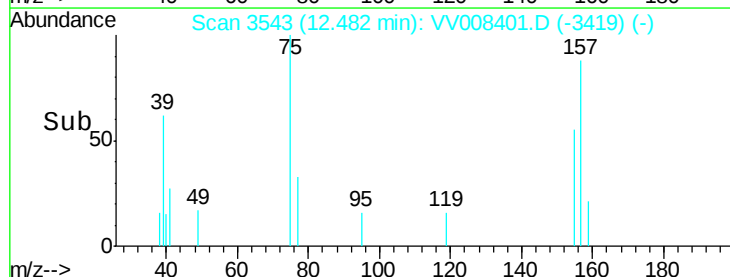
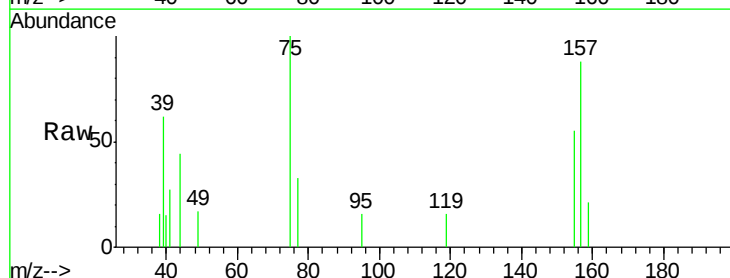
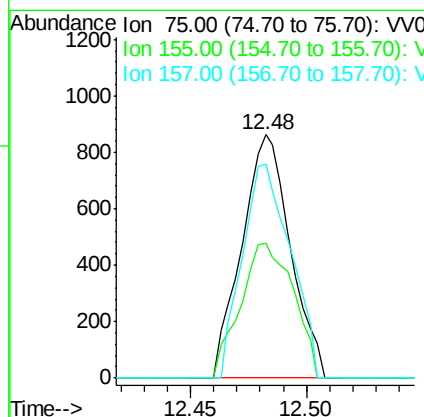
RT: 12.48 min Scan# 3543

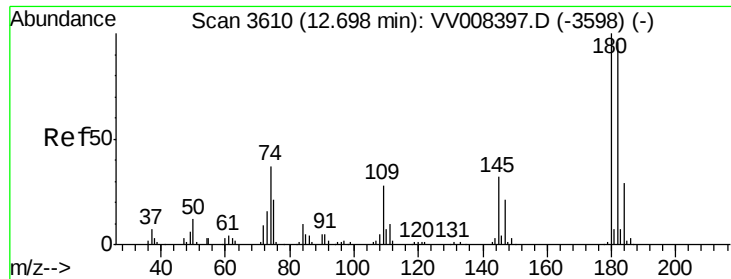
Delta R.T. -0.00 min

Lab File: VV008401.D

Acq: 24 Oct 2018 19:01

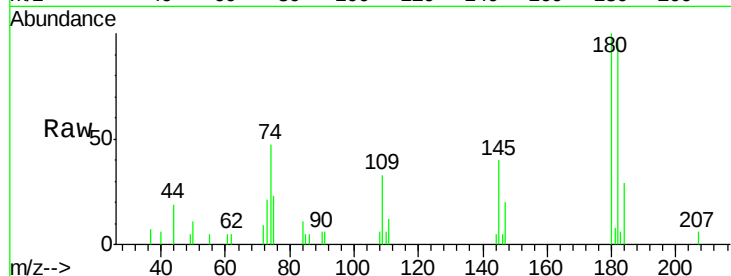
Tgt Ion:	75	Resp:	1257
Ion Ratio	Lower	Upper	
75	100		
155	55.2	55.4	83.0#
157	87.9	72.8	109.2





#67
 1,3,5-Trichlorobenzene
 Concen: 2.217 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01

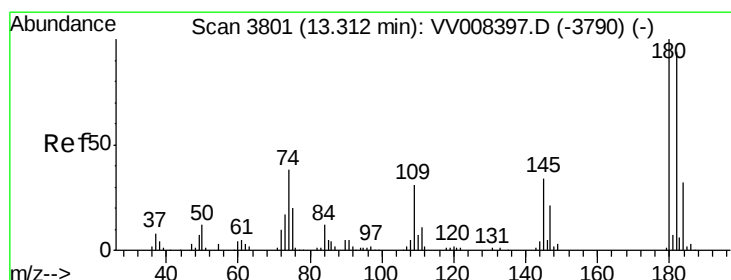
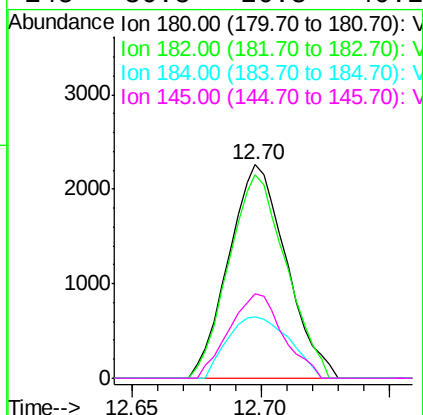
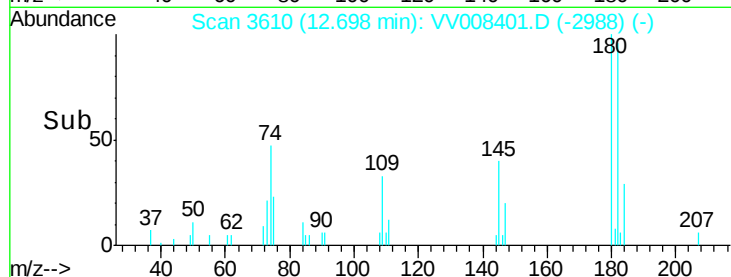
Instrument :
 MSVOA_V
 ClientSampled :
 MDL03



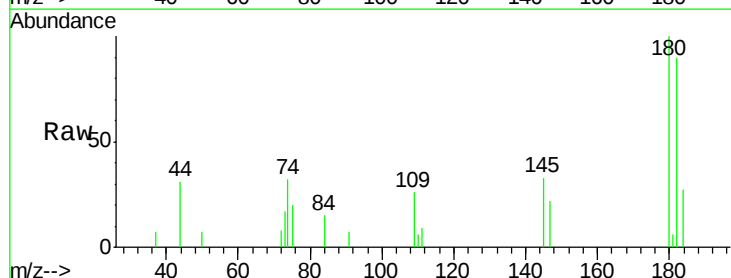
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3524		
182	94.7	75.9	113.9	
184	30.9	24.1	36.1	
145	36.8	26.8	40.2	

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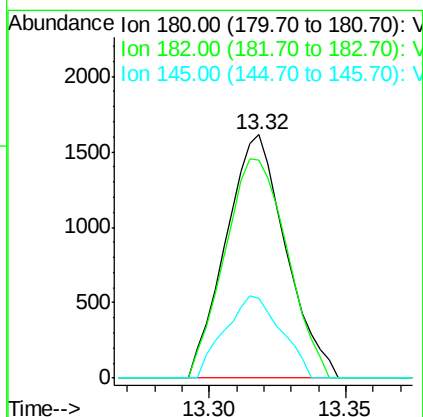
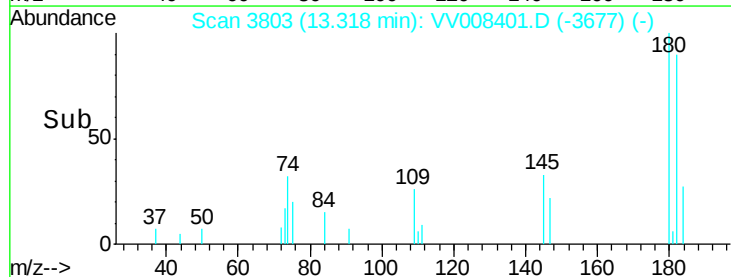
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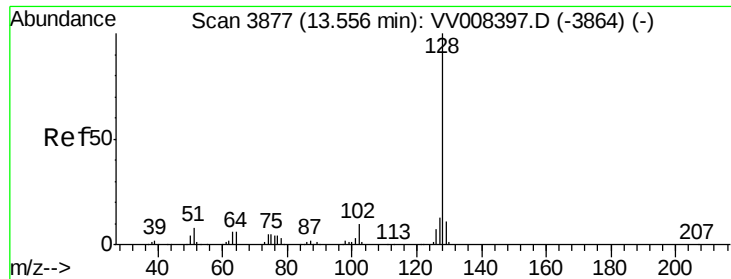


#68
 1,2,4-trichlorobenzene
 Concen: 1.915 ug/L
 RT: 13.32 min Scan# 3803
 Delta R.T. 0.01 min
 Lab File: VV008401.D
 Acq: 24 Oct 2018 19:01



Tgt Ion	Ratio	Resp	Lower	Upper
180	100	2463		
182	94.0	75.4	113.2	
145	31.7	27.0	40.6	





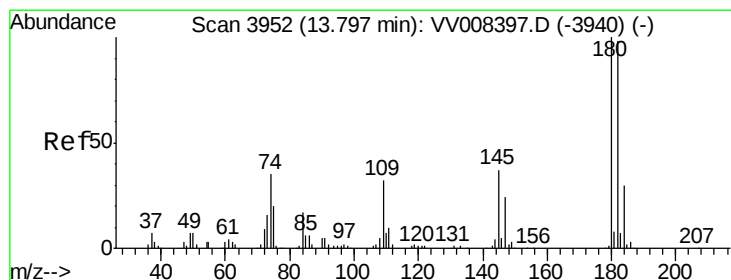
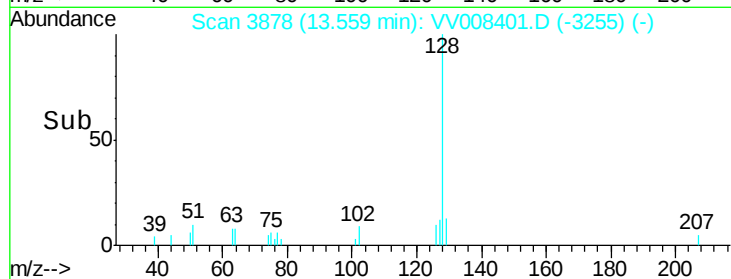
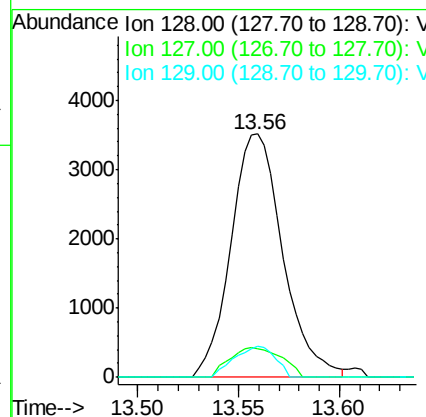
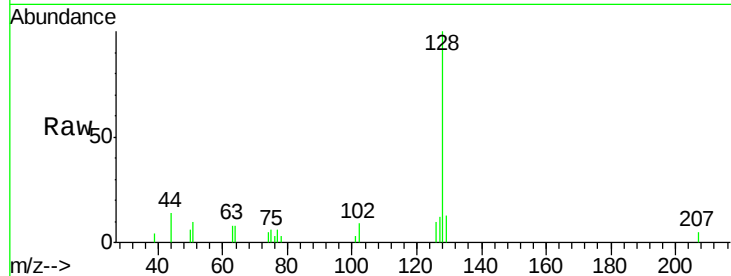
#69
Naphthalene
Concen: 1.521 ug/L
RT: 13.56 min Scan# 3878
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_V
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.6	15.8
129	10.0	8.9	13.3

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 1.961 ug/L
RT: 13.80 min Scan# 3953
Delta R.T. 0.00 min
Lab File: VV008401.D
Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	75.7	113.5
145	31.9	28.6	43.0

