

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102418\
 Data File : VV008399.D
 Acq On : 24 Oct 2018 18:14
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/5.0mL/100uL/5.0 mL/MSVOA_V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

apatel
 10/25/2018 4:41:04 PM

Quant Time: Oct 25 09:33:25 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	197623	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	179199	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46695	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.36%
7) Chloroethane-d5	1.57	69	36512	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.44%
11) 1,1-Dichloroethene-d2	2.13	63	65656	33.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.44%
21) 2-Butanone-d5	3.94	46	116254	97.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.76%
24) Chloroform-d	4.41	84	120450	44.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.26%
26) 1,2-Dichloroethane-d4	5.09	65	83834	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
32) Benzene-d6	5.10	84	240134	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
36) 1,2-Dichloropropane-d6	6.12	67	83945	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.36	98	213781	46.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.22%
43) trans-1,3-Dichloropropene-	7.67	79	40141	46.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.22%
47) 2-Hexanone-d5	8.14	63	87715	94.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.77%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	114895	47.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.72%
64) 1,2-Dichlorobenzene-d4	11.68	152	72956	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3014	2.136 ug/L	99
3) Chloromethane	1.25	50	3556	2.352 ug/L	97
5) Vinyl chloride	1.33	62	3085	2.202 ug/L #	63
6) Bromomethane	1.52	94	1064	2.768 ug/L	86
8) Chloroethane	1.59	64	1705	2.317 ug/L	97
9) Trichlorofluoromethane	1.77	101	3932	2.181 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2607	2.768 ug/L	88
12) 1,1-Dichloroethene	2.14	96	2590	2.921 ug/L #	1
13) Acetone	2.19	43	4890	5.298 ug/L	98
14) Carbon disulfide	2.32	76	8938	2.238 ug/L	97
15) Methyl Acetate	2.46	43	5080	2.760 ug/L	91
16) Methylene chloride	2.54	84	3590	2.338 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	3134	2.319 ug/L	93
18) Methyl tert-butyl Ether	2.81	73	10530	2.177 ug/L #	93
19) 1,1-Dichloroethane	3.24	63	5803	2.082 ug/L	88
20) cis-1,2-Dichloroethene	3.97	96	3419	2.220 ug/L	87
22) 2-Butanone	4.03	43	5590	4.193 ug/L	94

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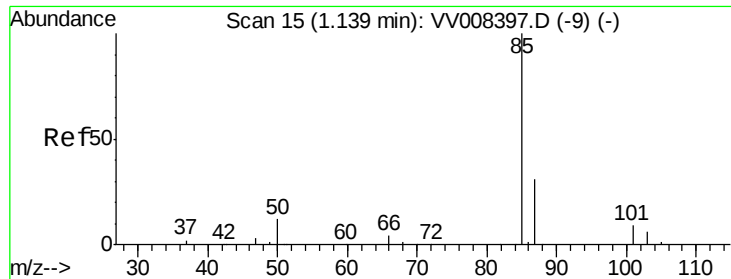
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Quant Time: Oct 25 09:33:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 09:16:23 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.31	128	1599m	2.202	ug/L	
25) Chloroform	4.44	83	6482	2.382	ug/L	96
27) 1,2-Dichloroethane	5.19	62	5469	2.406	ug/L	100
29) Cyclohexane	4.73	56	5686	2.179	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	5078	2.185	ug/L	97
31) Carbon tetrachloride	4.88	117	4141	2.100	ug/L	99
33) Benzene	5.15	78	13009	2.221	ug/L	100
34) Trichloroethene	5.97	95	3514	2.343	ug/L	92
35) Methylcyclohexane	6.18	83	5334	2.092	ug/L	96
37) 1,2-Dichloropropane	6.23	63	3753	2.320	ug/L #	89
38) Bromodichloromethane	6.56	83	4504	2.185	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	5629	2.213	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	10780	4.500	ug/L	99
42) Toluene	7.44	91	14147	2.325	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	5372	2.258	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	3037	2.123	ug/L	93
46) Tetrachloroethene	8.02	164	2195	2.245	ug/L	98
48) 2-Hexanone	8.19	43	8171	4.420	ug/L	89
49) Dibromochloromethane	8.29	129	2997	1.950	ug/L	87
50) 1,2-Dibromoethane	8.40	107	3191	2.127	ug/L #	99
51) Chlorobenzene	8.93	112	8430	2.250	ug/L	95
52) Ethylbenzene	9.06	91	14866	2.181	ug/L	97
53) m,p-Xylene	9.19	106	5270	2.116	ug/L	91
54) o-xylene	9.59	106	5628	2.263	ug/L	91
55) Styrene	9.61	104	8977	2.143	ug/L	99
56) Isopropylbenzene	9.98	105	13560	2.084	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	5852	2.336	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	4334	2.138	ug/L	92
61) Bromoform	9.78	173	1988	2.089	ug/L #	96
62) 1,3-Dichlorobenzene	11.23	146	5780	2.318	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	6159	2.465	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	5832	2.294	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	1094	2.093	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	3205	1.969	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	2159	1.639	ug/L	97
69) Naphthalene	13.56	128	5548m	1.303	ug/L	
70) 1,2,3-Trichlorobenzene	13.80	180	1990	1.512	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 2.136 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 85 Resp: 3014

Ion Ratio Lower Upper

85 100

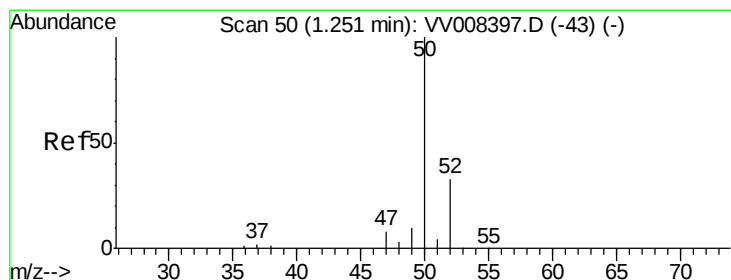
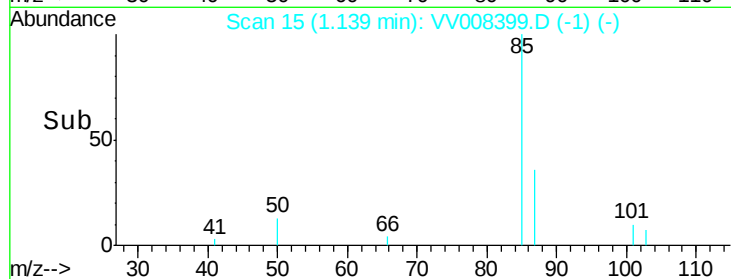
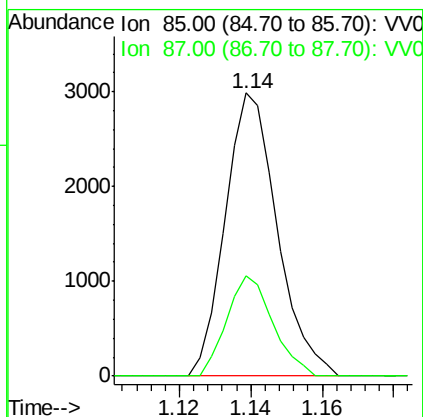
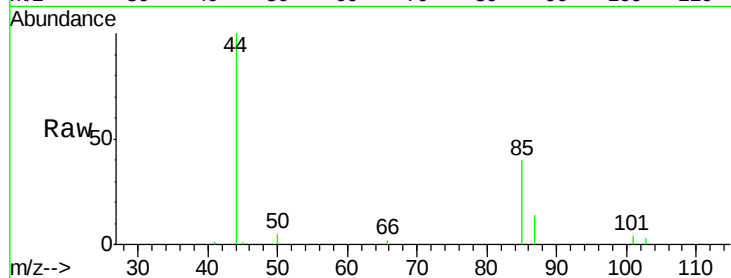
87 31.4 25.4 38.2

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#3

Chloromethane

Concen: 2.352 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008399.D

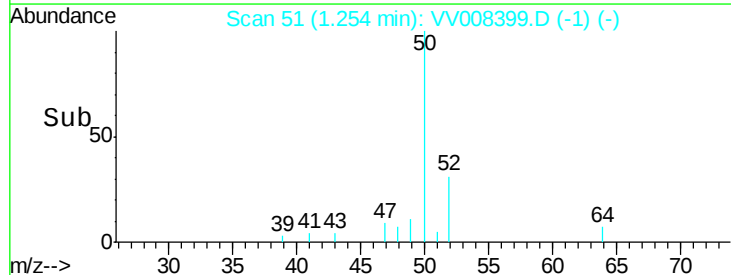
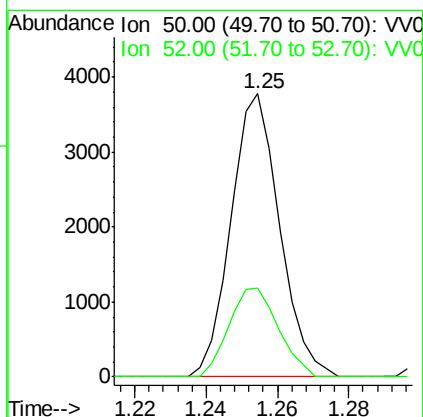
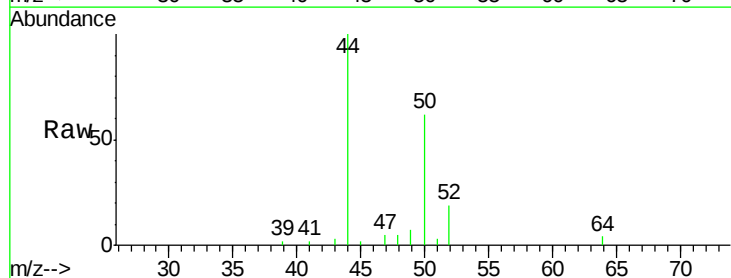
Acq: 24 Oct 2018 18:14

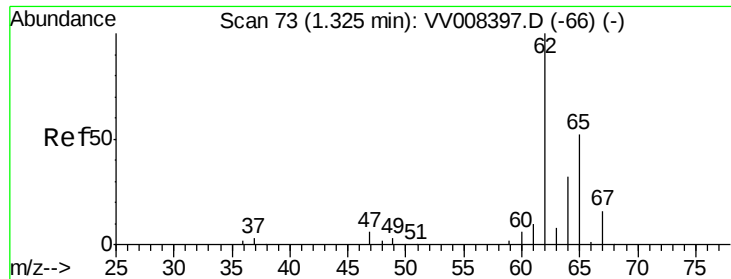
Tgt Ion: 50 Resp: 3556

Ion Ratio Lower Upper

50 100

52 31.3 23.1 42.9





#5

Vinyl chloride

Concen: 2.202 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 62 Resp: 3085

Ion Ratio Lower Upper

62 100

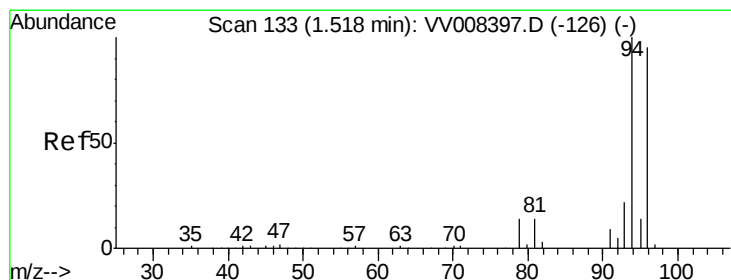
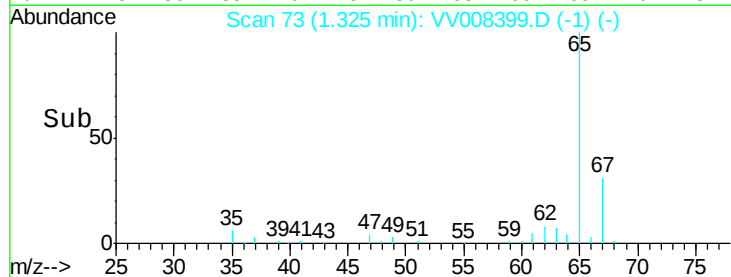
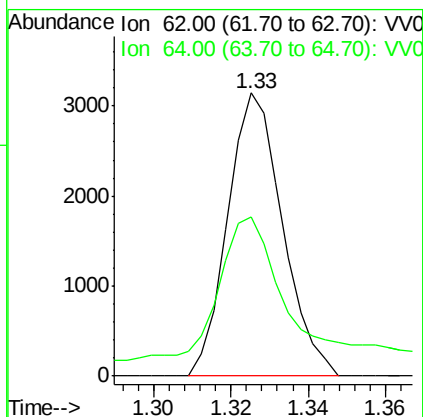
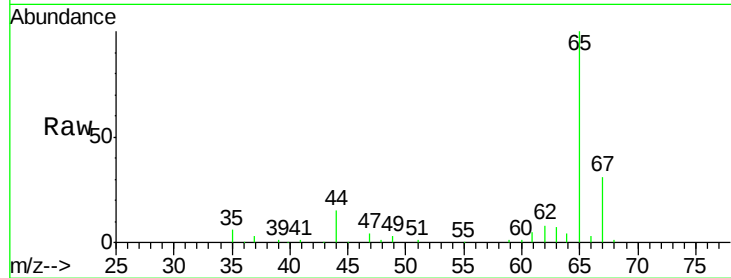
64 56.3 24.4 45.4#

Manual Integrations

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#6

Bromomethane

Concen: 2.768 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008399.D

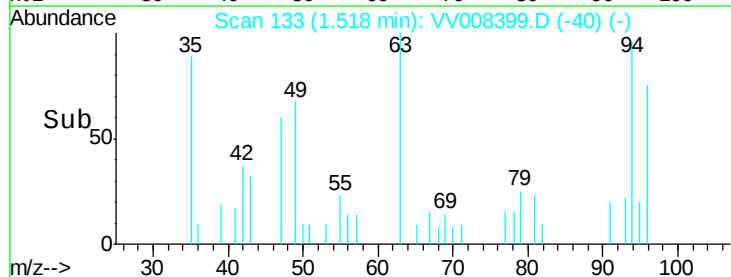
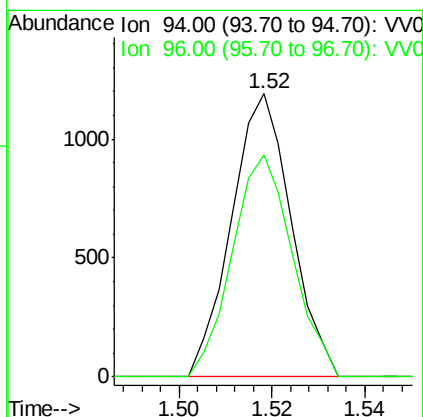
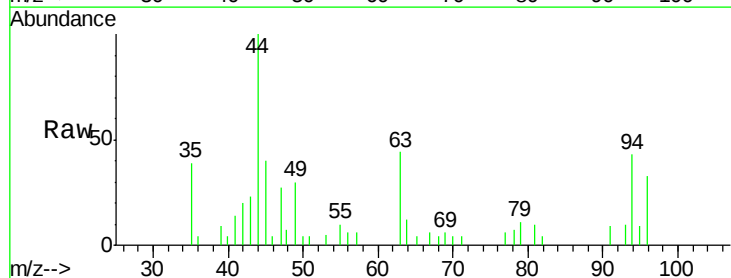
Acq: 24 Oct 2018 18:14

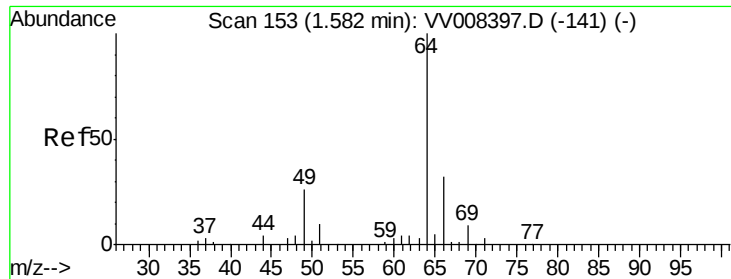
Tgt Ion: 94 Resp: 1064

Ion Ratio Lower Upper

94 100

96 78.2 63.8 118.6





#8

Chloroethane

Concen: 2.317 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 64 Resp: 1705

Ion Ratio Lower Upper

64 100

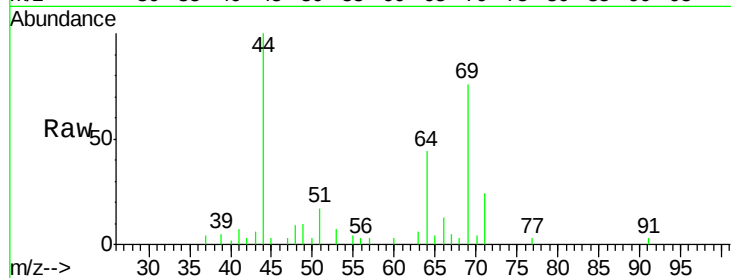
66 29.8 19.9 36.9

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VV008399.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008399.D (-141) (-)

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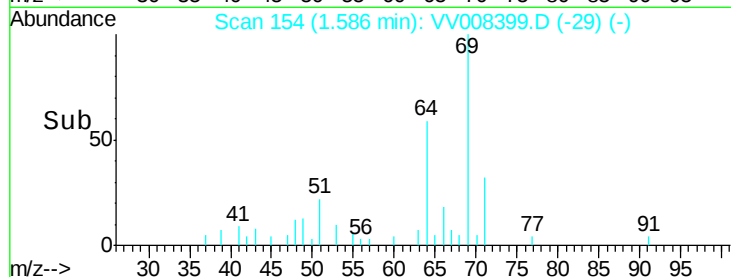
1.59

1.59

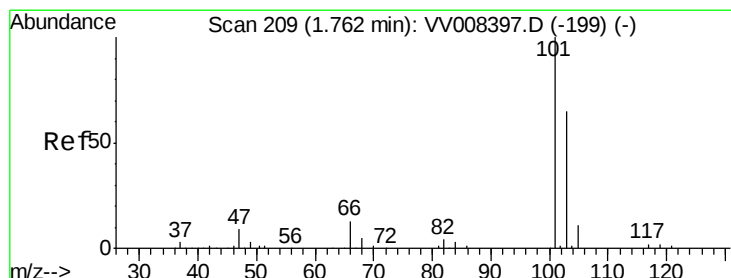
1.59

1.59

1.59



Time-->



#9

Trichlorofluoromethane

Concen: 2.181 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV008399.D

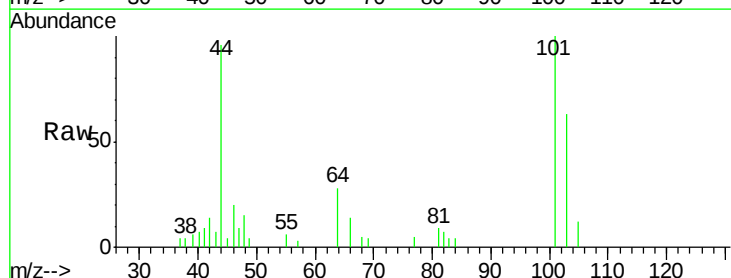
Acq: 24 Oct 2018 18:14

Tgt Ion: 101 Resp: 3932

Ion Ratio Lower Upper

101 100

103 64.2 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008399.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008399.D (-199) (-)

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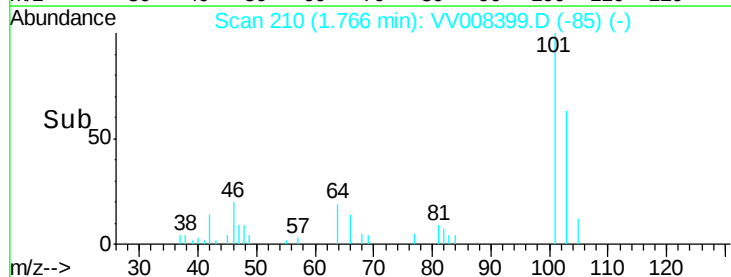
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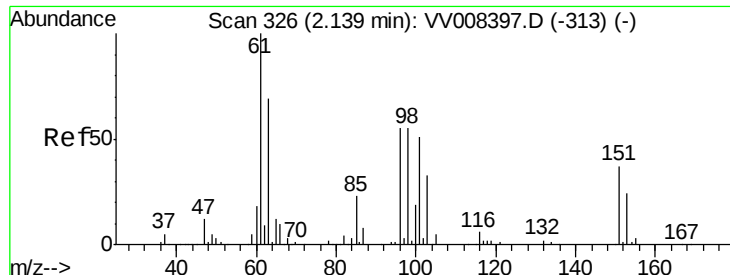
1.77

1.77

1.77



Time-->



#10

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

Concen: 2.768 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

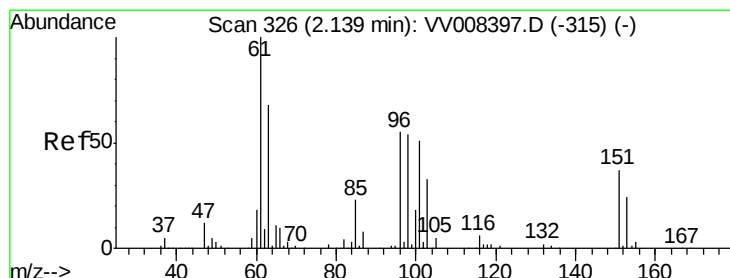
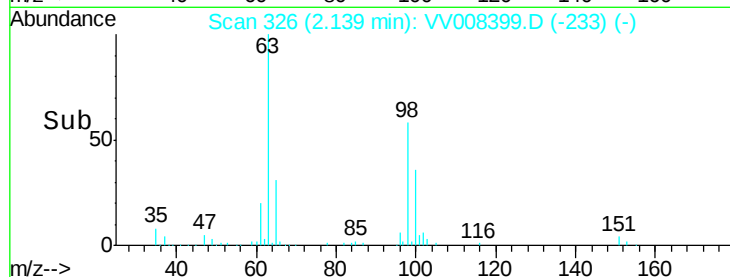
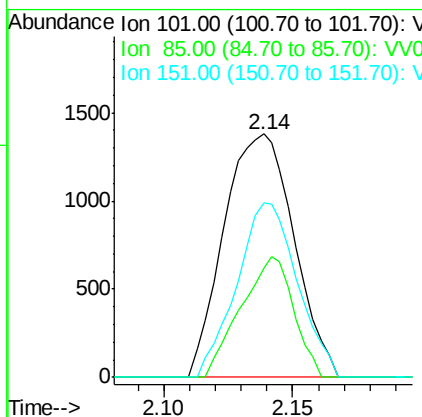
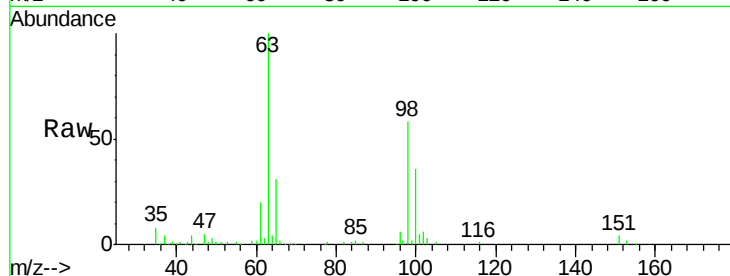
ClientSampleId :

MDL01

Tgt Ion:	101	Resp:	2607
Ion Ratio	Lower	Upper	
101	100		
85	37.4	35.6	53.4
151	62.2	58.1	87.1

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#12

1,1-Dichloroethene

Concen: 2.921 ug/L

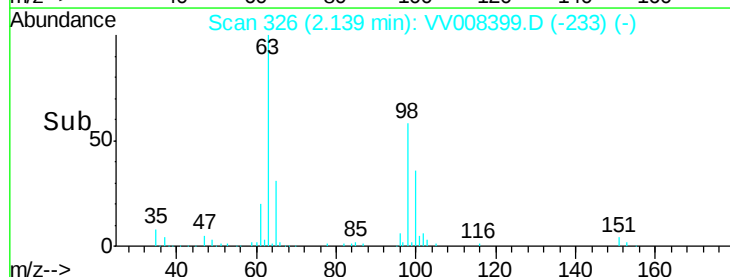
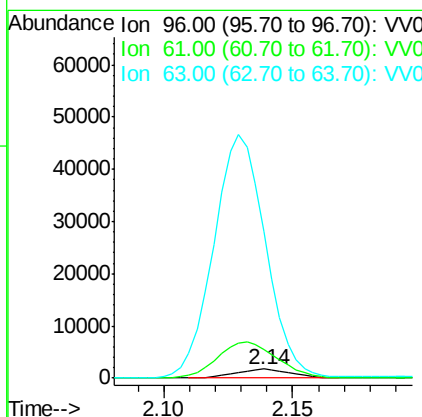
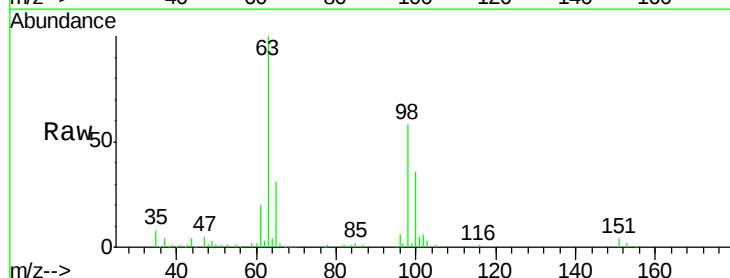
RT: 2.14 min Scan# 326

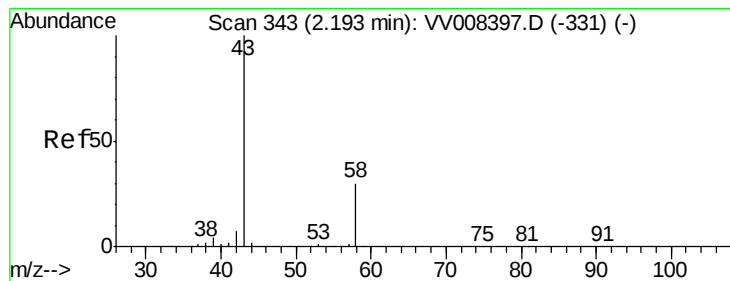
Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Tgt Ion:	96	Resp:	2590
Ion Ratio	Lower	Upper	
96	100		
61	322.5	130.3	242.1#
63	1623.7	84.4	156.8#





#13

Acetone

Concen: 5.298 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampled :

MDL01

Tgt Ion: 43 Resp: 4890

Ion Ratio Lower Upper

43 100

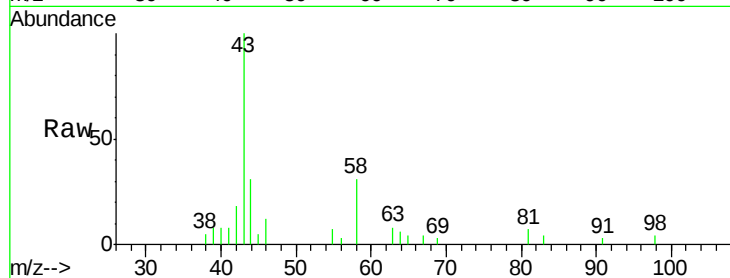
58 29.7 0.0 61.4

Manual Integrations

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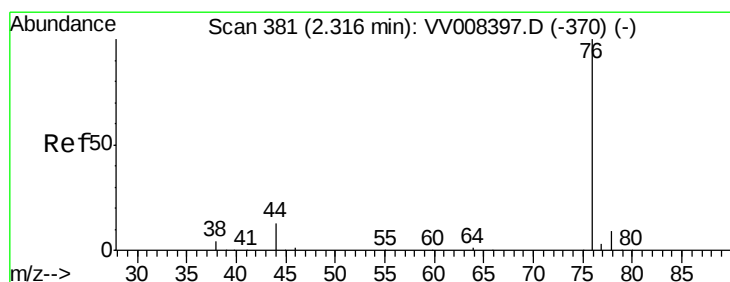
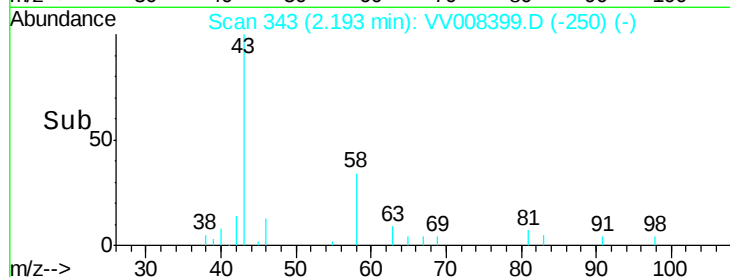
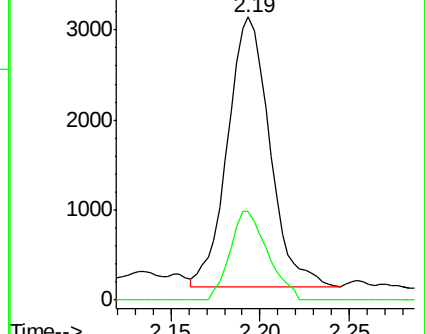
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VV008399.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV008399.D (-250) (-)



#14

Carbon disulfide

Concen: 2.238 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008399.D

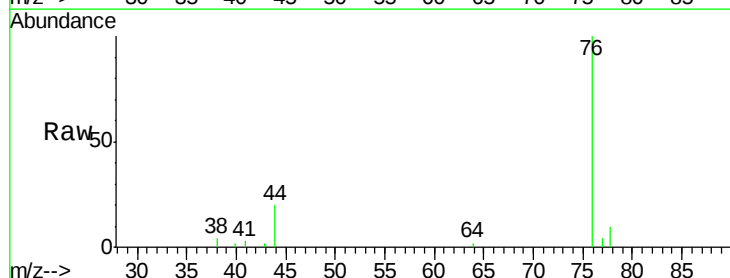
Acq: 24 Oct 2018 18:14

Tgt Ion: 76 Resp: 8938

Ion Ratio Lower Upper

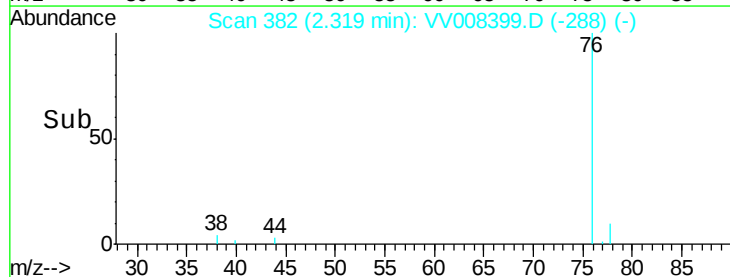
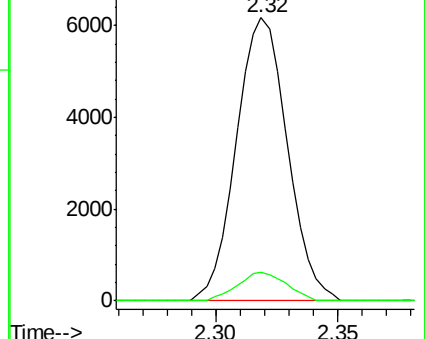
76 100

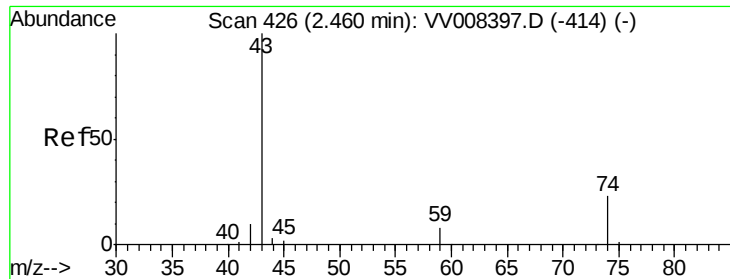
78 10.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008399.D (-288) (-)

Ion 78.00 (77.70 to 78.70): VV008399.D (-288) (-)





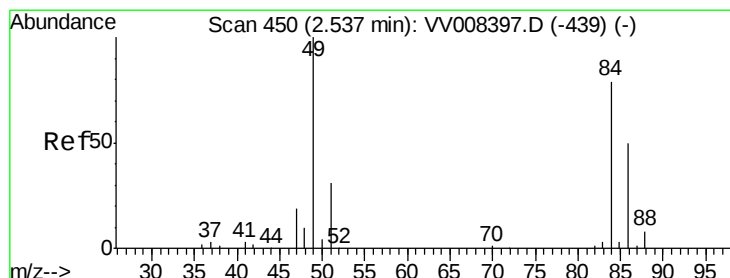
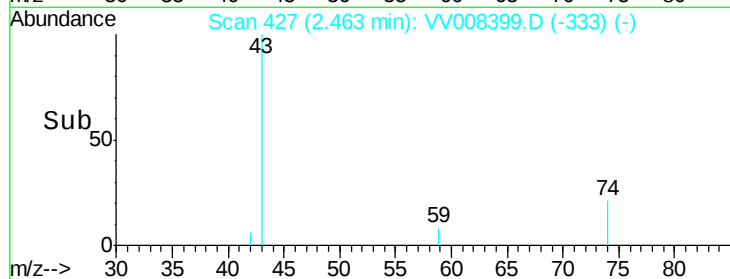
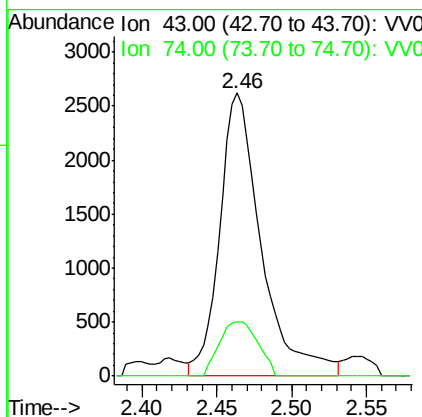
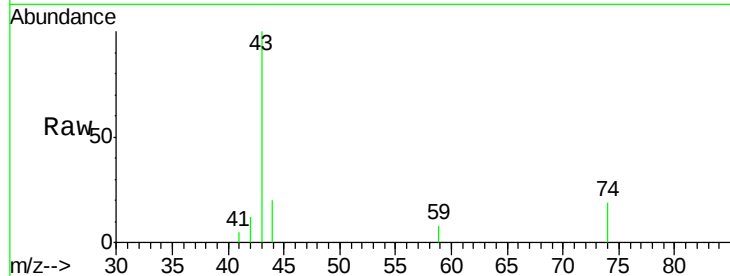
#15
Methyl Acetate
Concen: 2.760 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion: 43 Resp: 5080
Ion Ratio Lower Upper
43 100
74 17.8 17.8 26.6

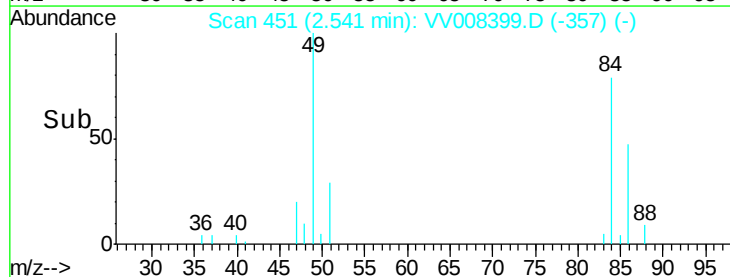
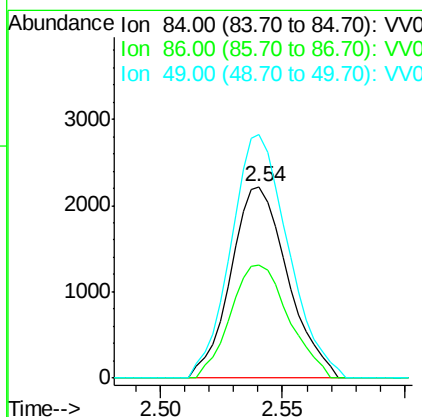
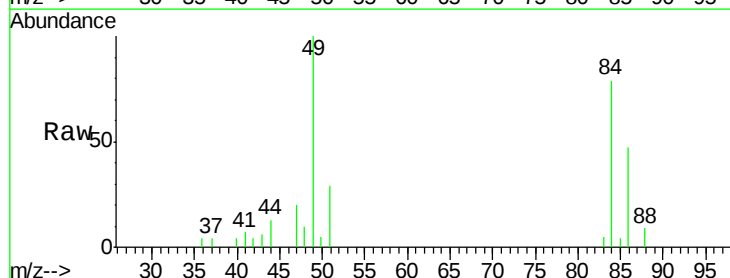
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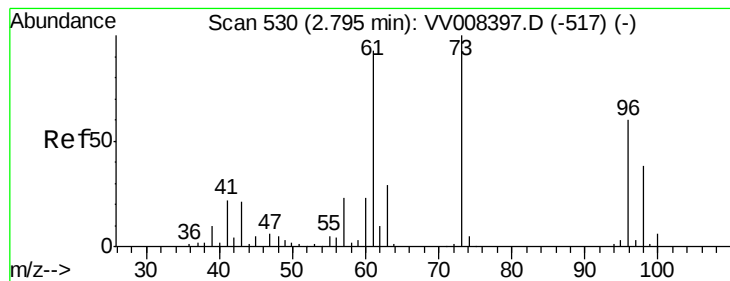
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#16
Methylene chloride
Concen: 2.338 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Tgt Ion: 84 Resp: 3590
Ion Ratio Lower Upper
84 100
86 59.3 45.6 84.6
49 127.3 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 2.319 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

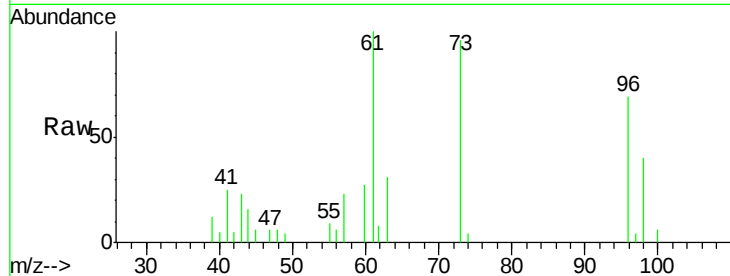
ClientSampleId :

MDL01

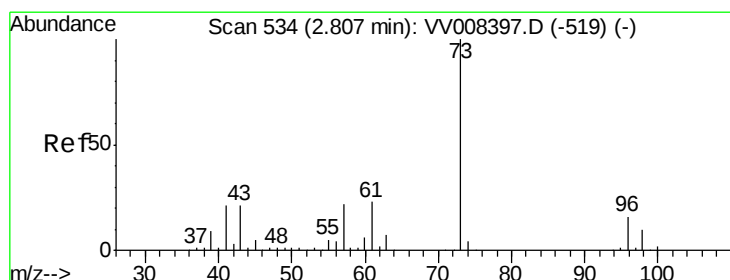
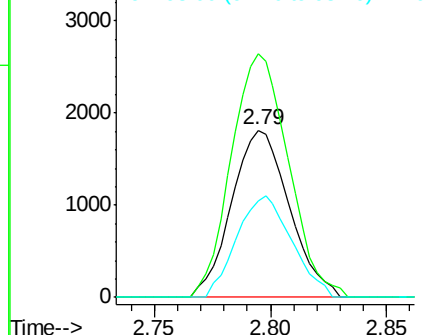
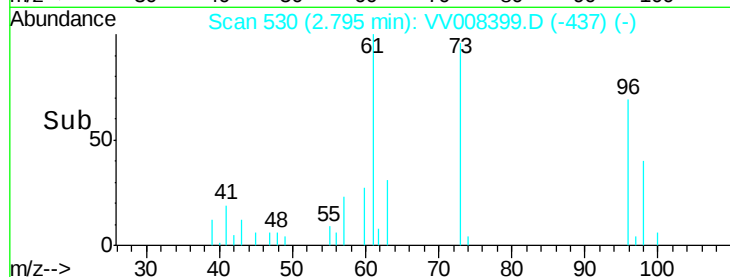
Tgt Ion:	96	Resp:	3134
Ion	Ratio	Lower	Upper
96	100		
61	145.9	108.6	201.6
98	57.7	44.3	82.3

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Abundance Ion 96.00 (95.70 to 96.70): VV008399.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 2.177 ug/L

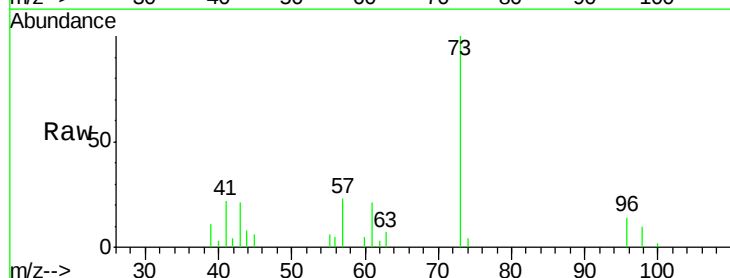
RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

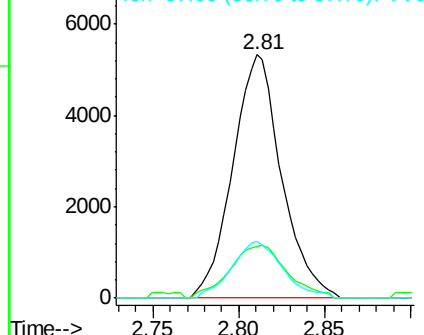
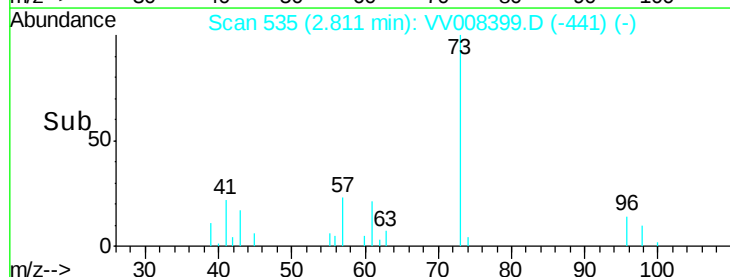
Lab File: VV008399.D

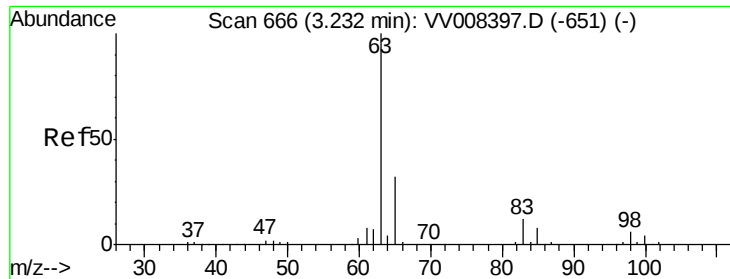
Acq: 24 Oct 2018 18:14

Tgt Ion:	73	Resp:	10530
Ion	Ratio	Lower	Upper
73	100		
43	25.4	16.2	24.4#
57	24.4	18.2	27.2



Abundance Ion 73.00 (72.70 to 73.70): VV008399.D (-441) (-)





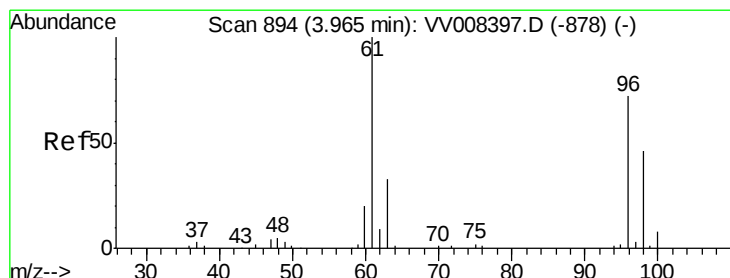
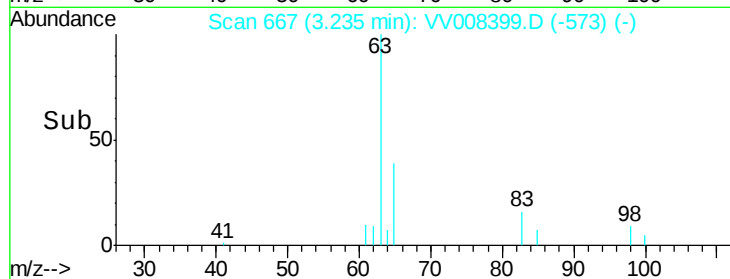
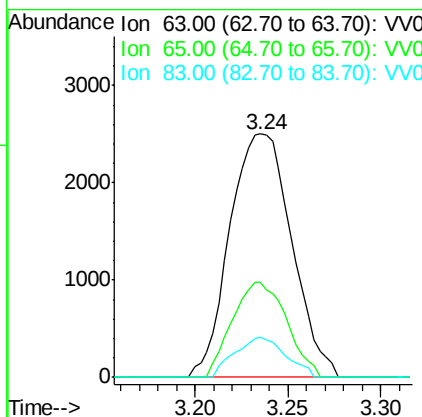
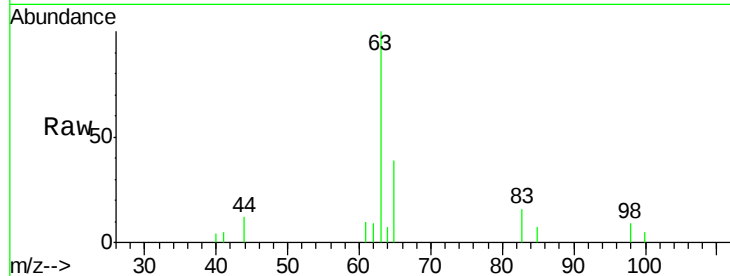
#19
 1,1-Dichloroethane
 Concen: 2.082 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	38.9	22.0	40.8
83	16.5	9.3	17.3

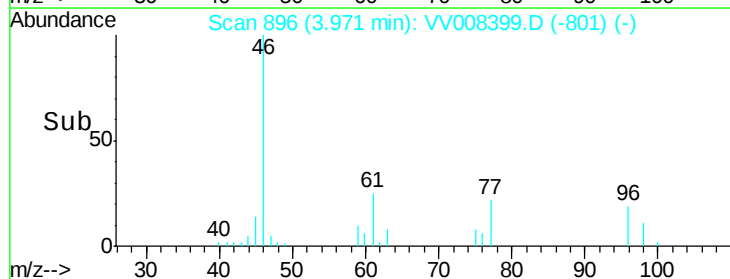
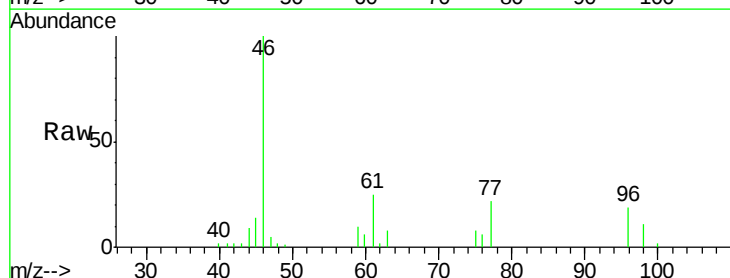
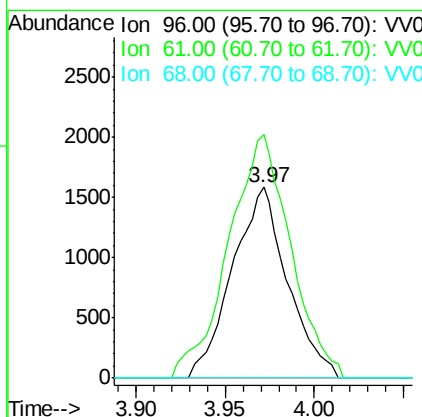
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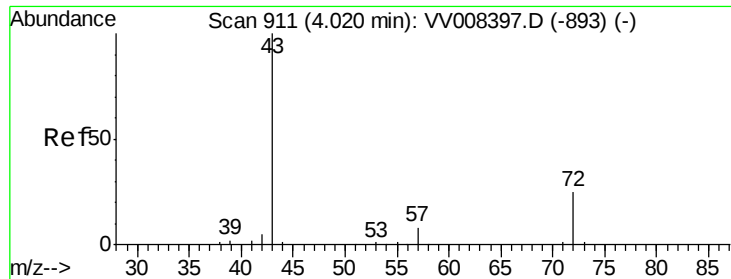
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#20
 cis-1,2-Dichloroethene
 Concen: 2.220 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.7	100.9	187.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.193 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 43 Resp: 5590

Ion Ratio Lower Upper

43 100

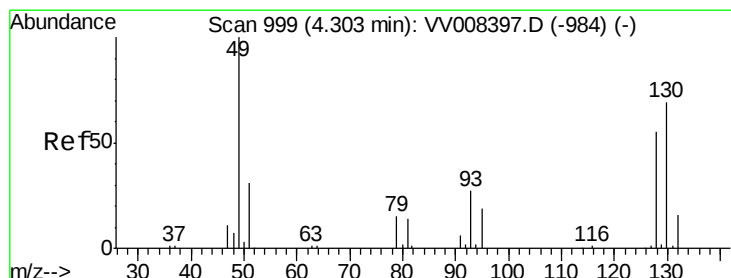
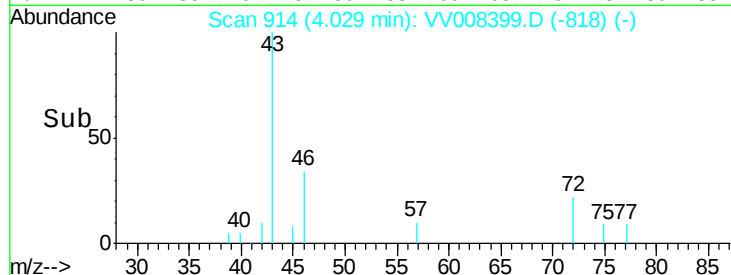
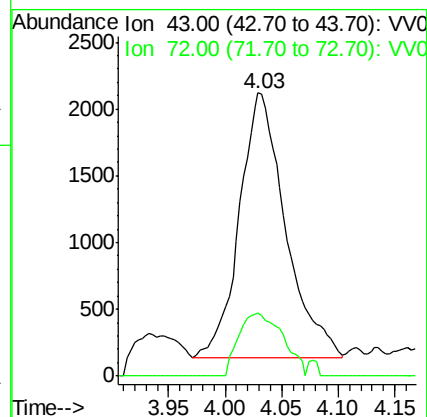
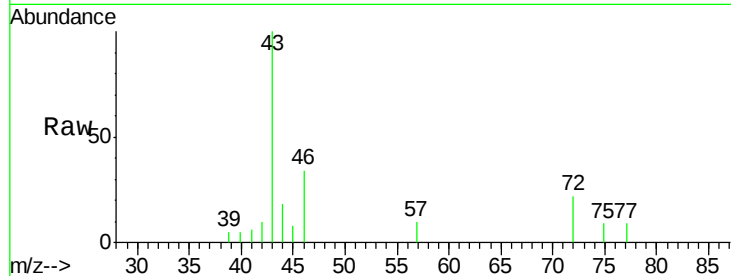
72 23.0 13.0 38.9

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#23

Bromochloromethane

Concen: 2.202 ug/L m

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Tgt Ion: 128 Resp: 1599

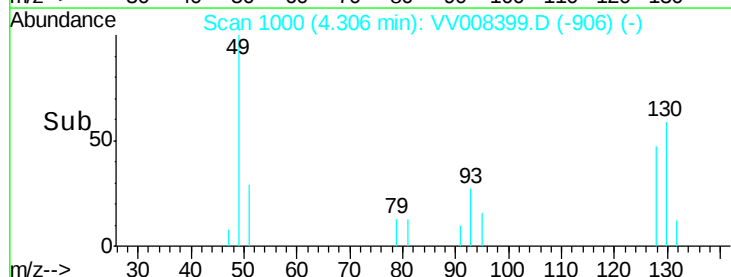
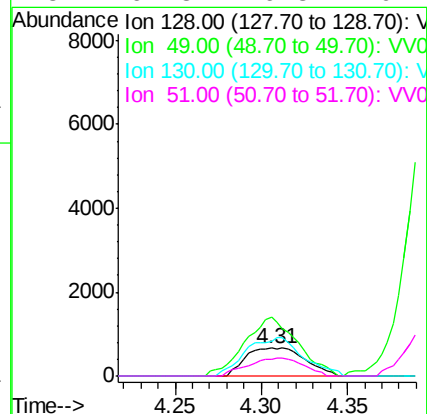
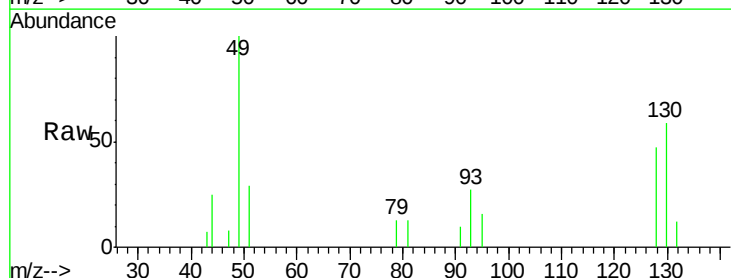
Ion Ratio Lower Upper

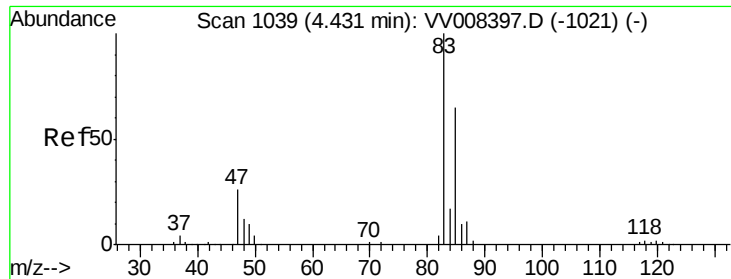
128 100

49 212.8 128.0 237.8

130 125.8 89.2 165.8

51 61.8 46.8 70.2





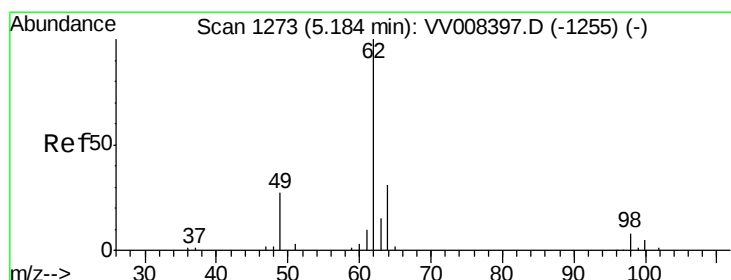
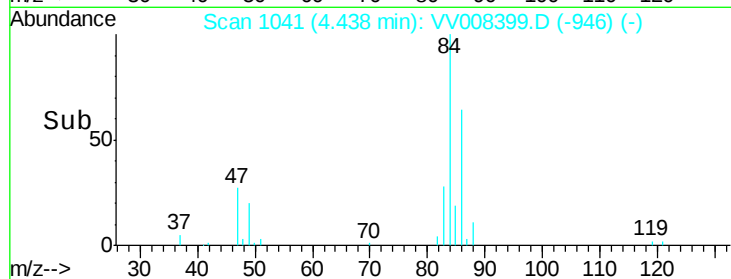
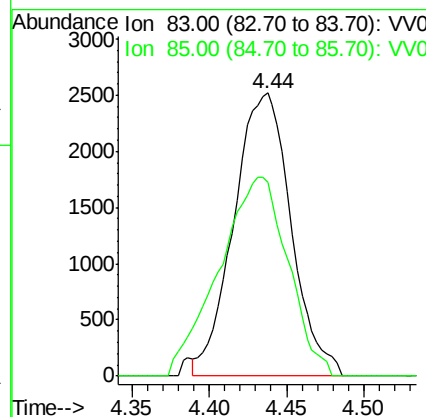
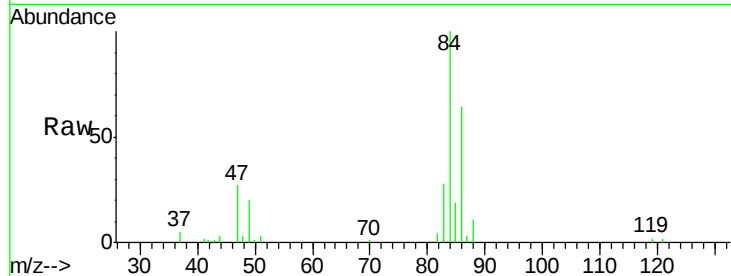
#25
Chloroform
Concen: 2.382 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 83 Resp: 6482
Ion Ratio Lower Upper
83 100
85 68.3 45.8 85.2

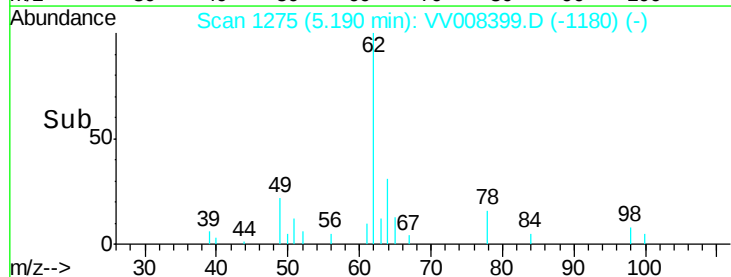
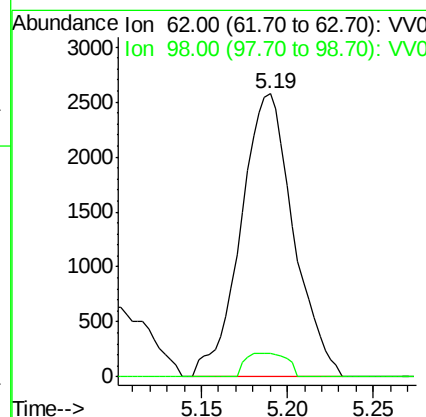
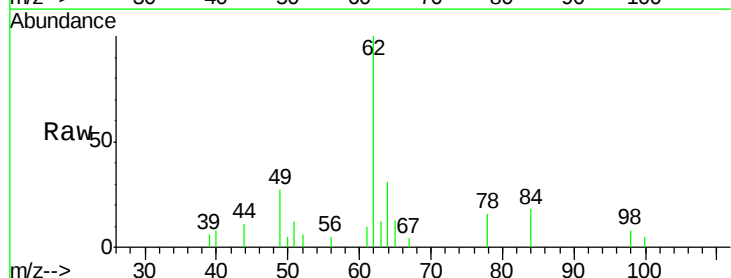
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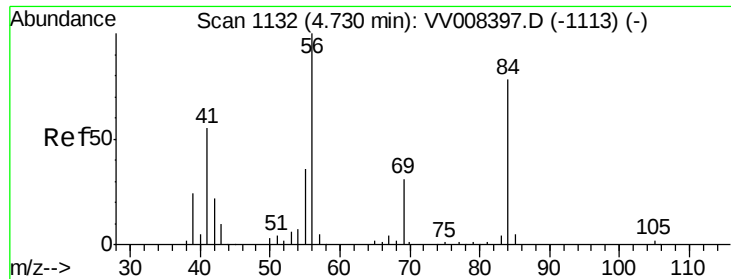
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#27
1,2-Dichloroethane
Concen: 2.406 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Tgt Ion: 62 Resp: 5469
Ion Ratio Lower Upper
62 100
98 8.2 6.6 9.8





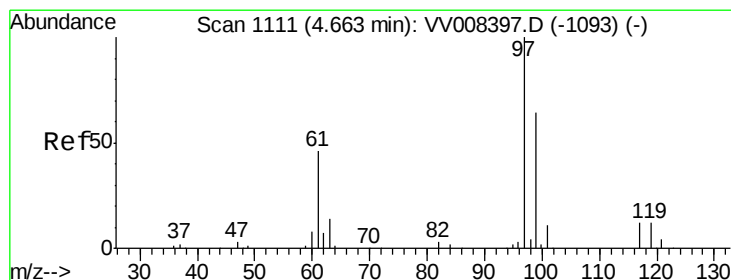
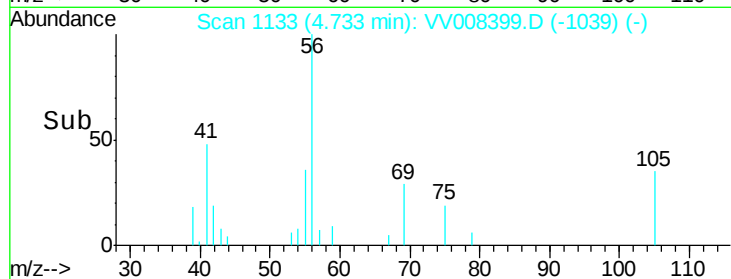
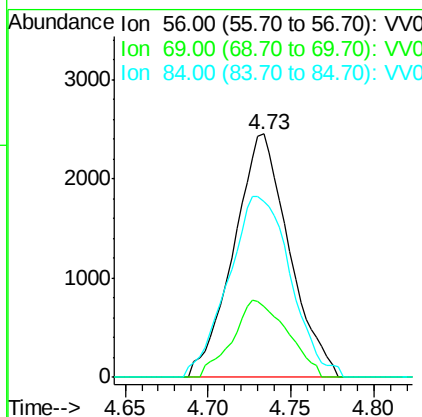
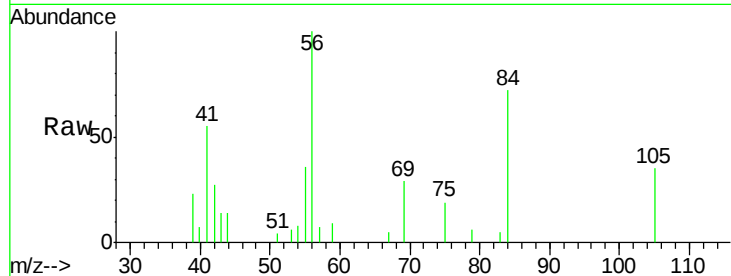
#29
Cyclohexane
Concen: 2.179 ug/L
RT: 4.73 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.6	37.0
84	83.0	65.0	97.4

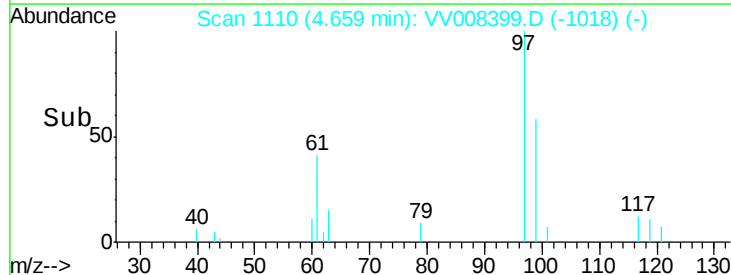
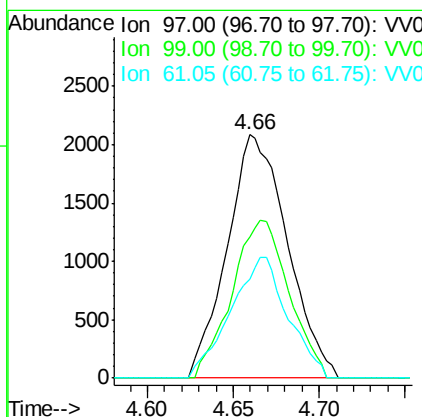
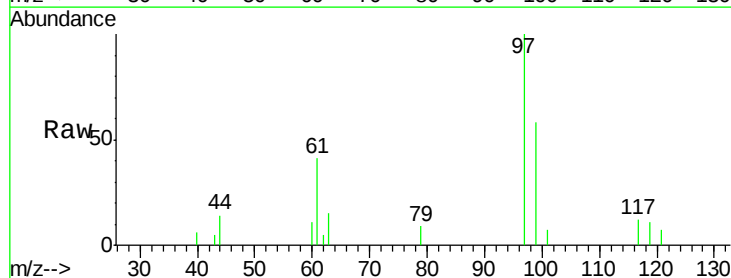
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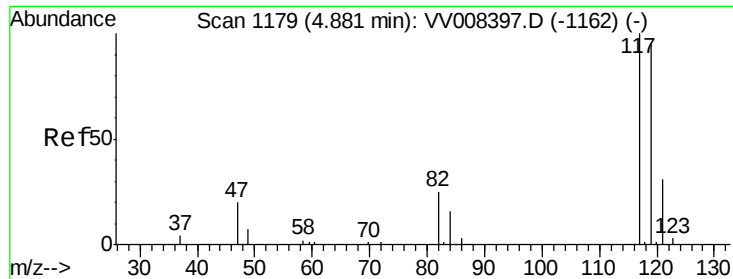
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#30
1,1,1-Trichloroethane
Concen: 2.185 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.5	51.6	77.4
61	46.9	36.5	54.7





#31

Carbon tetrachloride

Concen: 2.100 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:117 Resp: 4141

Ion Ratio Lower Upper

117 100

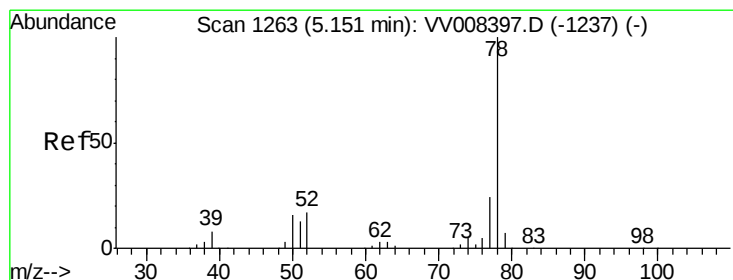
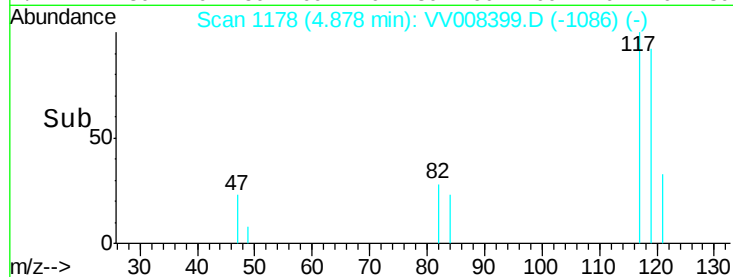
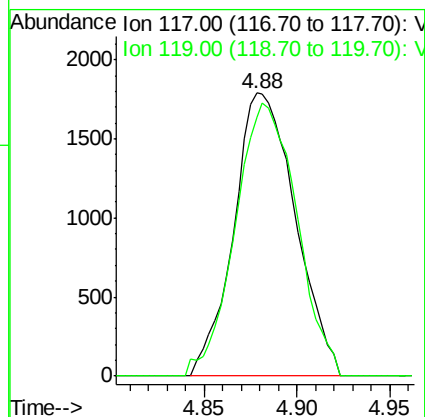
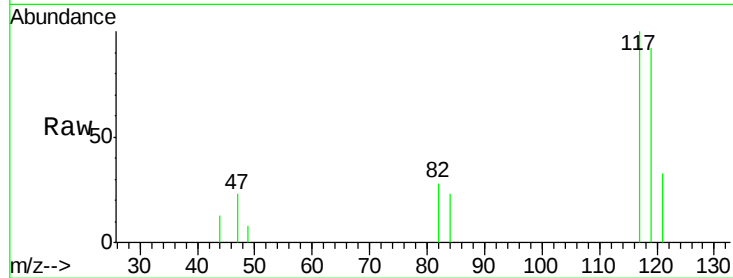
119 95.5 75.8 113.8

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#33

Benzene

Concen: 2.221 ug/L

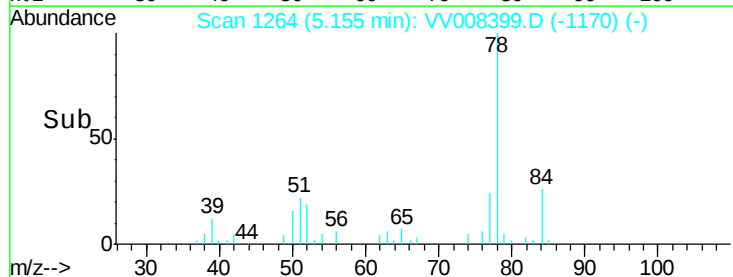
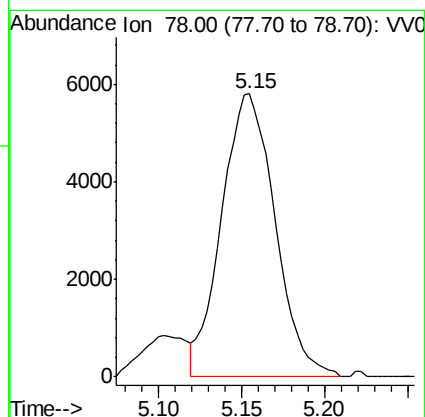
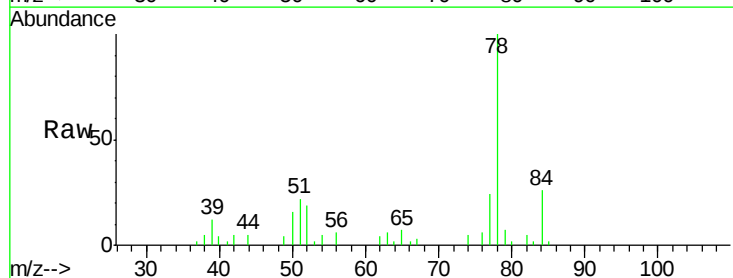
RT: 5.15 min Scan# 1264

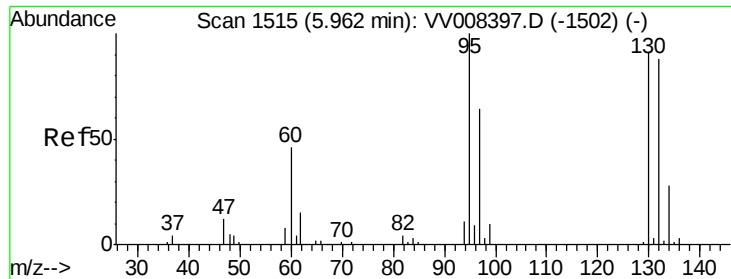
Delta R.T. 0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Tgt Ion: 78 Resp: 13009





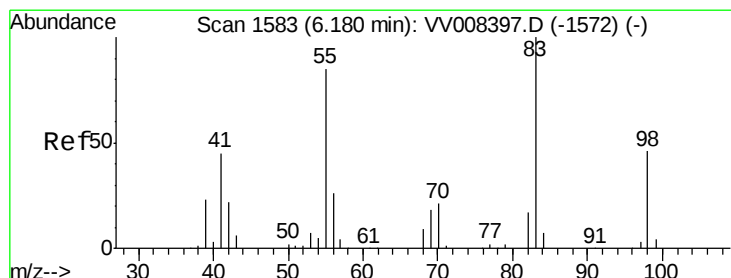
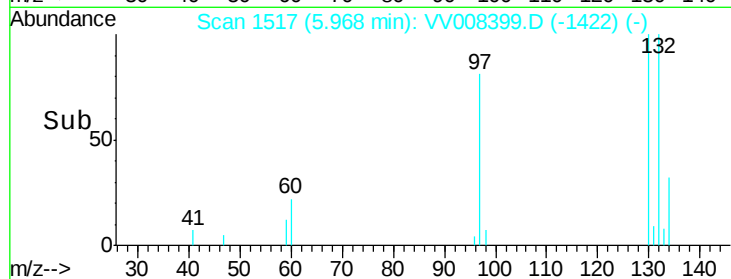
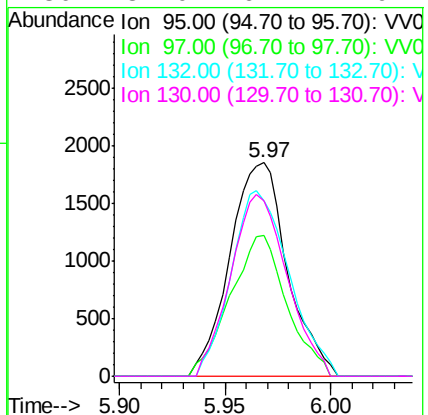
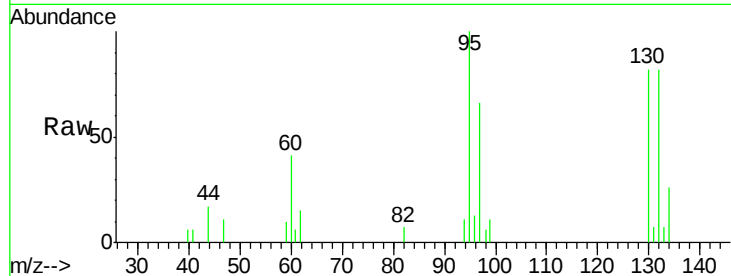
#34
 Trichloroethene
 Concen: 2.343 ug/L
 RT: 5.97 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 95 Resp: 3514
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.2 84.0
 132 82.0 63.8 118.6
 130 82.0 64.7 120.1

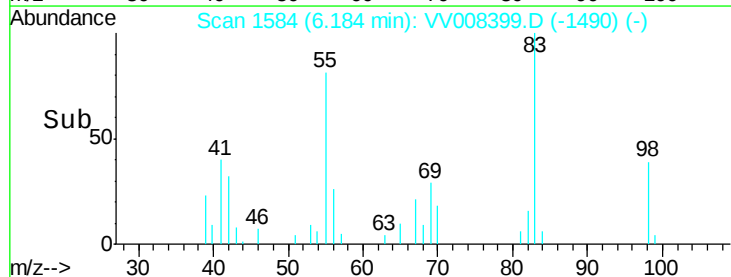
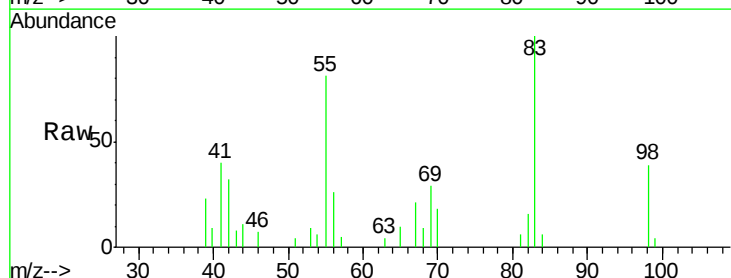
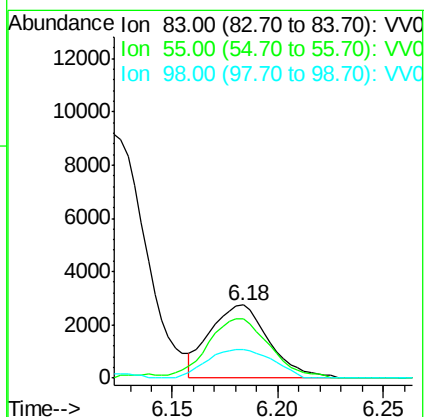
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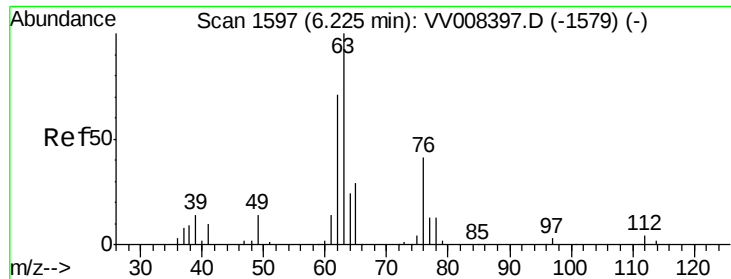
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#35
 Methylcyclohexane
 Concen: 2.092 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion: 83 Resp: 5334
 Ion Ratio Lower Upper
 83 100
 55 85.6 65.0 97.4
 98 43.7 36.0 54.0





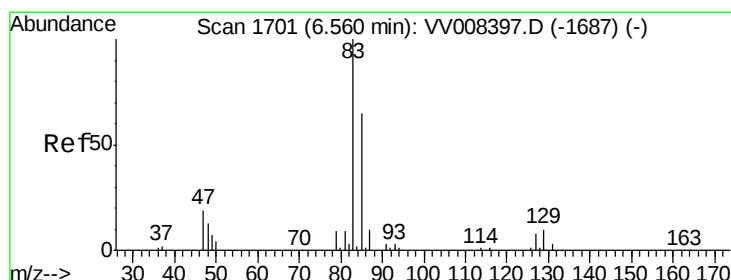
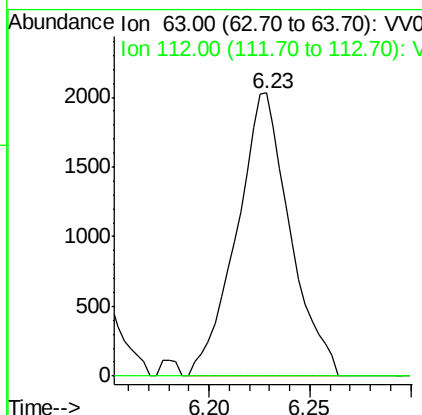
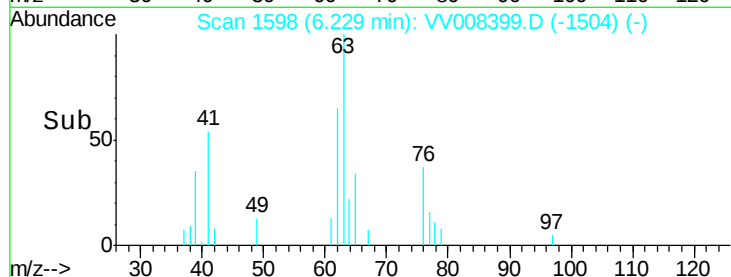
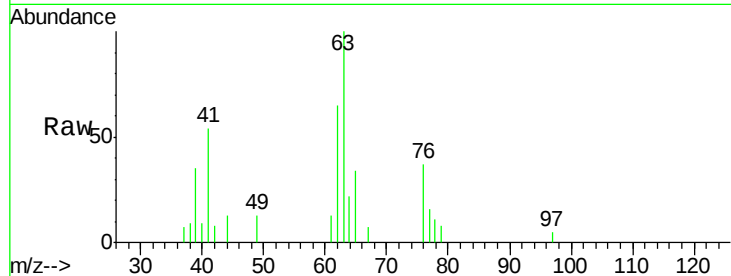
#37
 1,2-Dichloropropane
 Concen: 2.320 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 63 Resp: 3753
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#

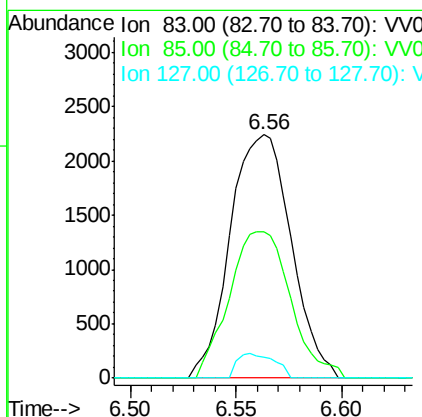
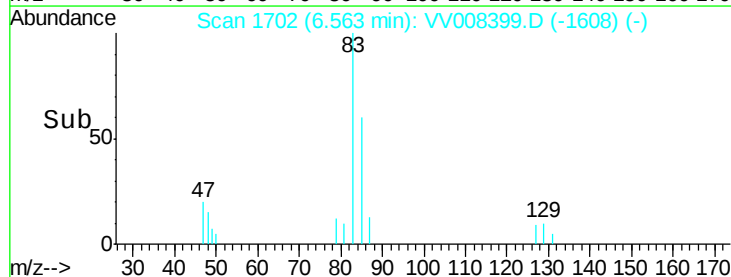
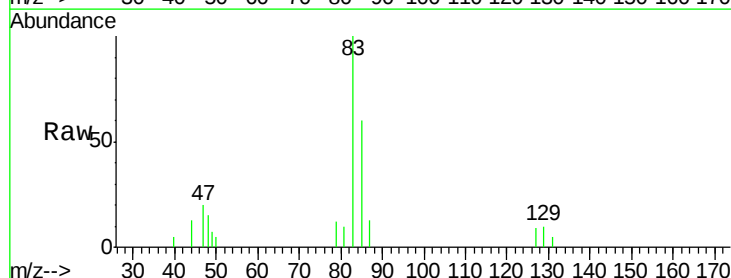
Manual Integrations
 APPROVED

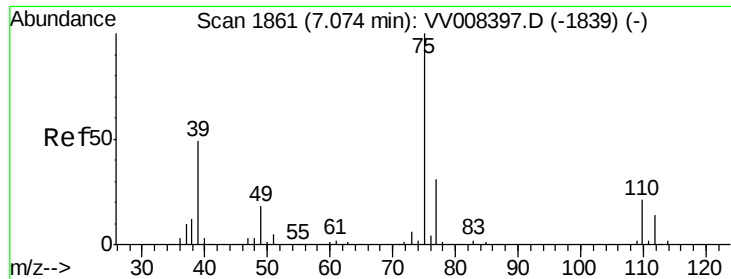
apatel
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#38
 Bromodichloromethane
 Concen: 2.185 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion: 83 Resp: 4504
 Ion Ratio Lower Upper
 83 100
 85 59.9 44.3 82.3
 127 8.8 6.3 9.5





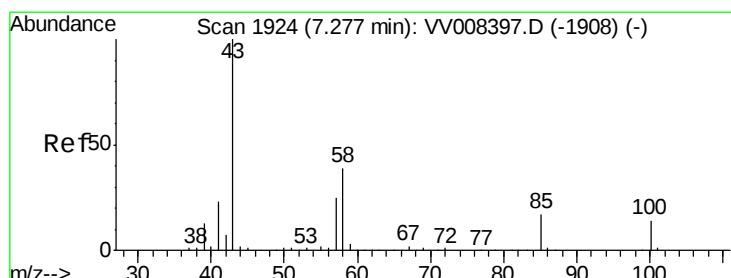
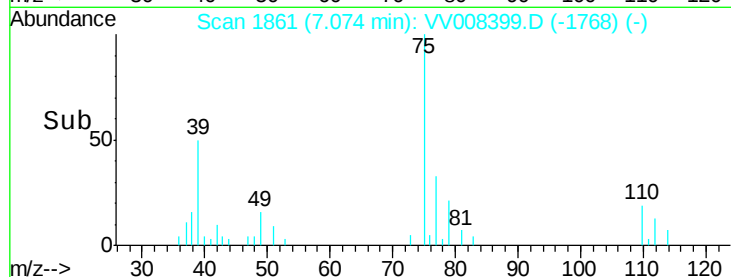
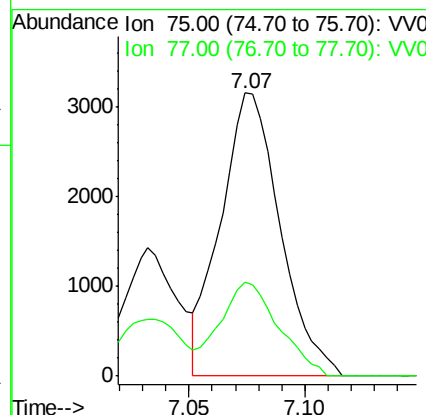
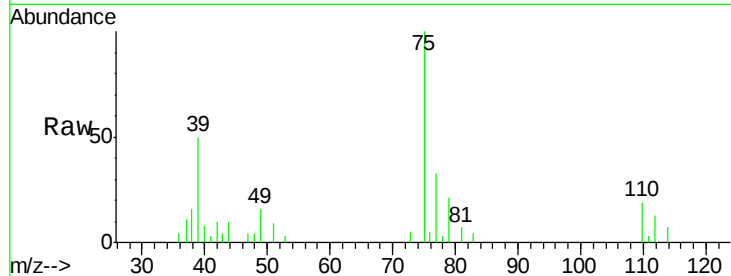
#39
 cis-1,3-Dichloropropene
 Concen: 2.213 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 75 Resp: 5629
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.6 42.0

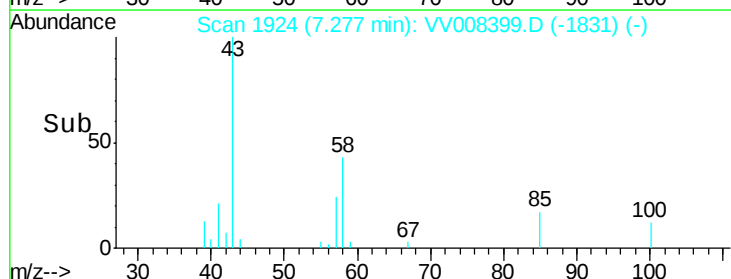
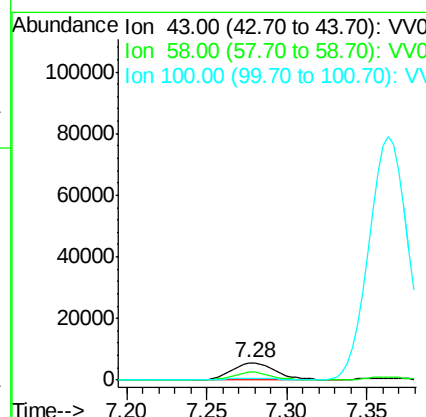
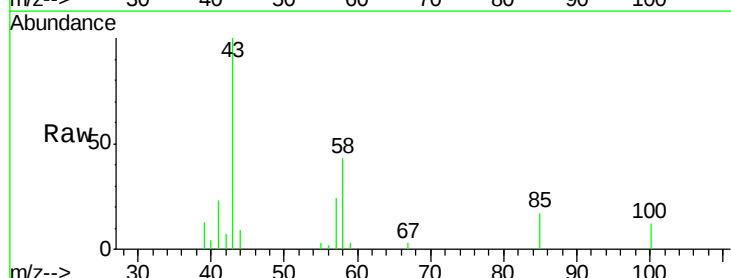
Manual Integrations
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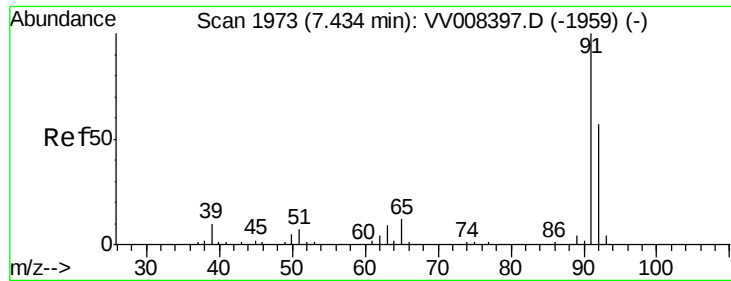
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#40
 4-Methyl-2-pentanone
 Concen: 4.500 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion: 43 Resp: 10780
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.9 46.3
 100 12.9 10.9 16.3





#42

Toluene

Concen: 2.325 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 91 Resp: 14147

Ion Ratio Lower Upper

91 100

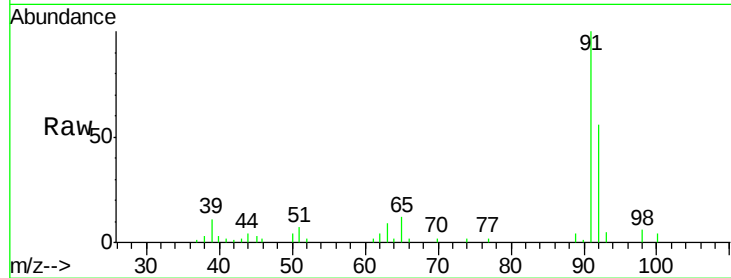
92 56.0 39.5 73.4

Manual Integrations

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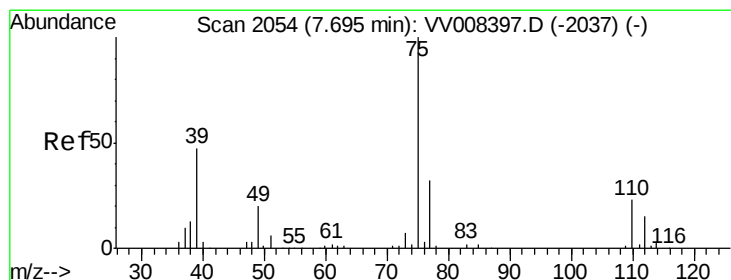
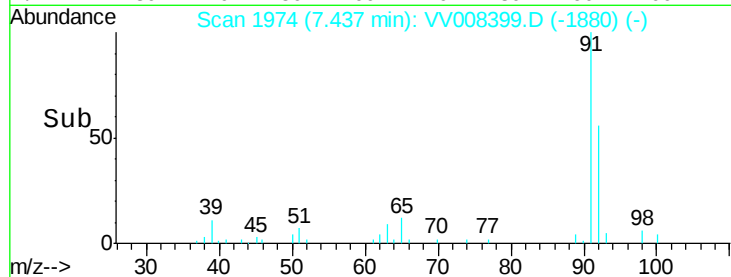
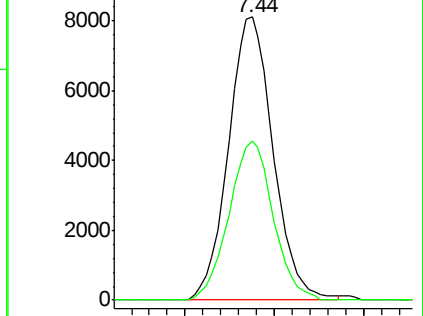
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 2.258 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008399.D

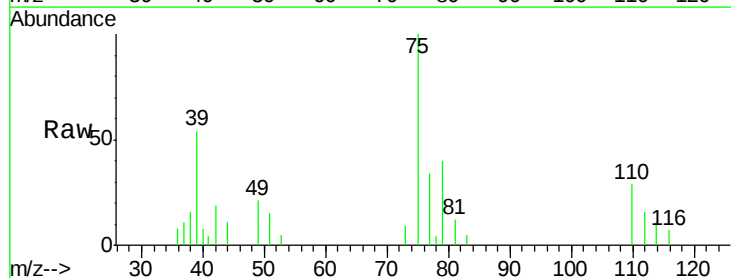
Acq: 24 Oct 2018 18:14

Tgt Ion: 75 Resp: 5372

Ion Ratio Lower Upper

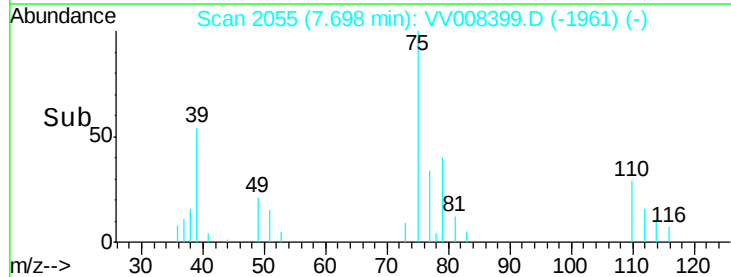
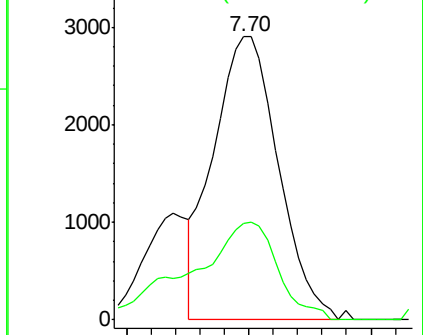
75 100

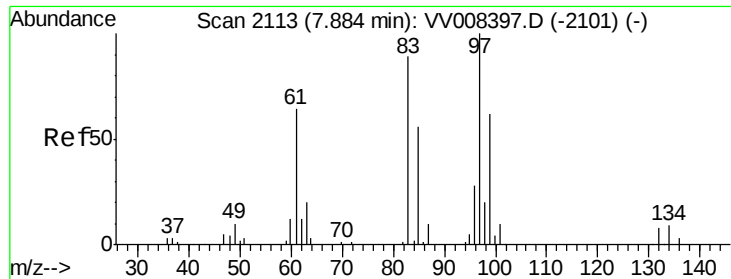
77 34.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





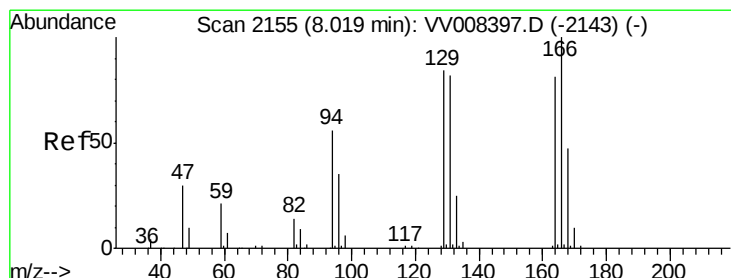
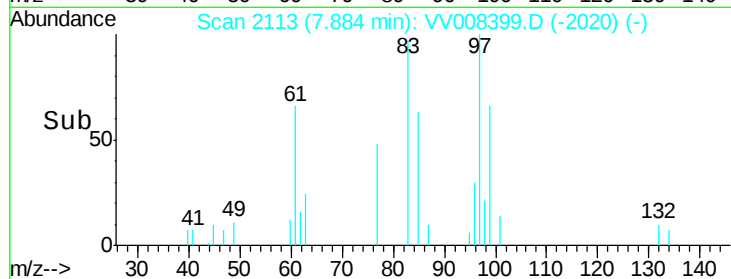
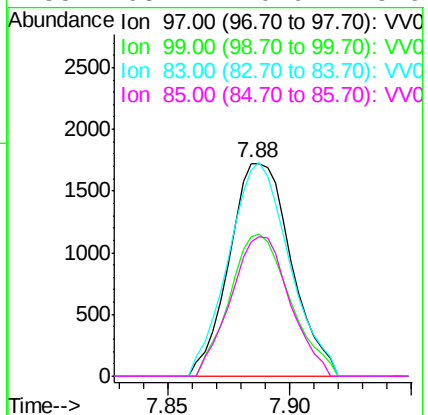
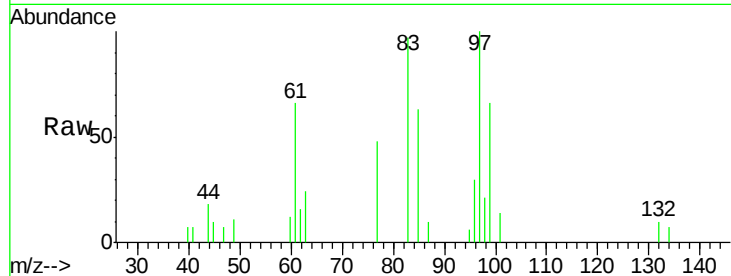
#45
1,1,2-Trichloroethane
Concen: 2.123 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	43.3	80.3
83	97.2	61.9	114.9
85	63.1	40.9	75.9

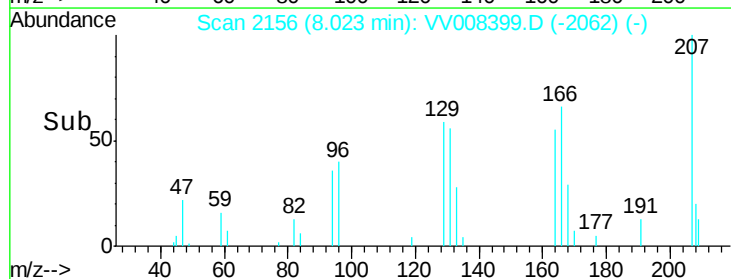
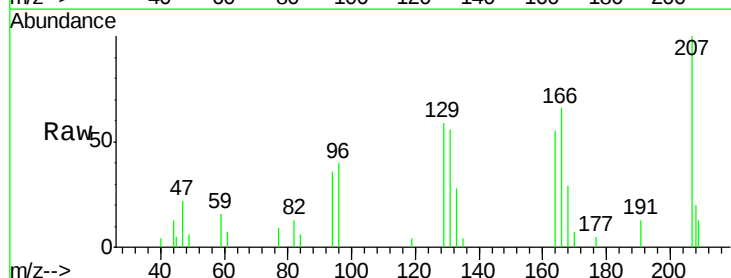
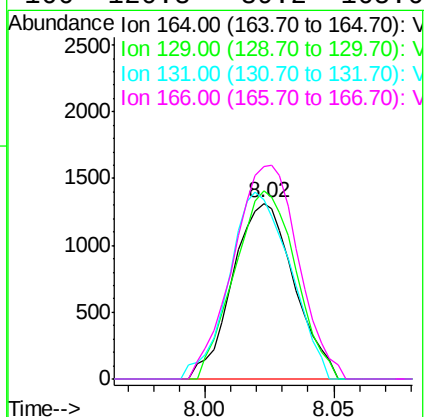
Manual Integrations
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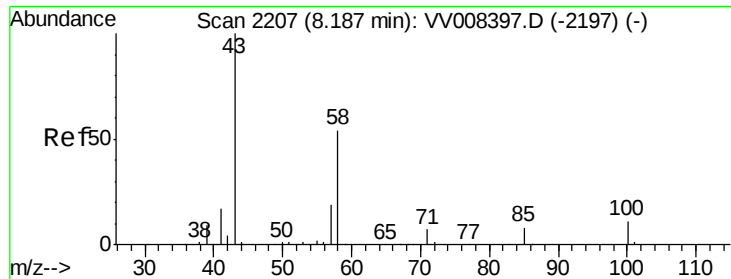
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#46
Tetrachloroethene
Concen: 2.245 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
129	107.2	75.0	139.2
131	102.0	71.3	132.3
166	120.8	89.2	165.6





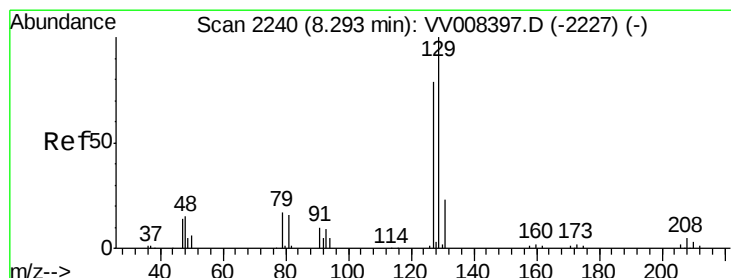
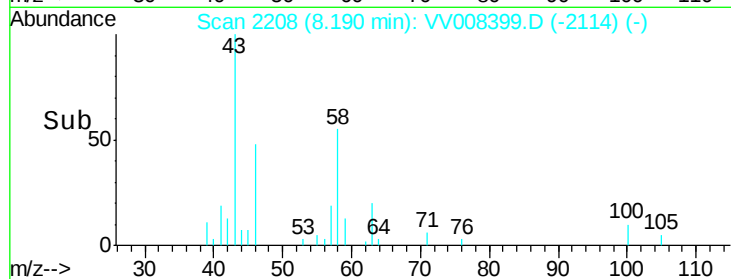
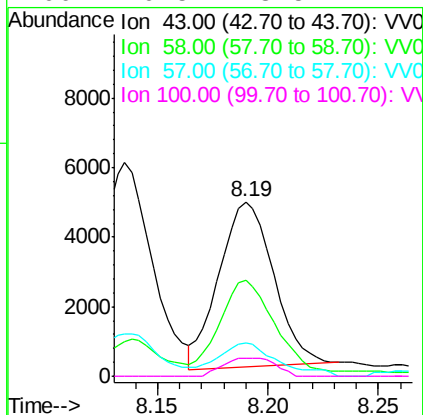
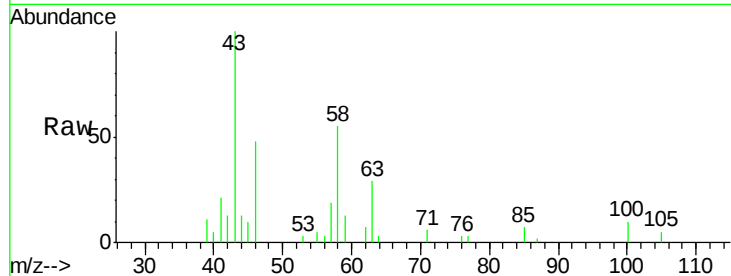
#48
2-Hexanone
Concen: 4.420 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tgt Ion:	43	Resp:	8171
Ion	Ratio	Lower	Upper
43	100		
58	63.6	42.6	63.8
57	15.5	14.8	22.2
100	10.5	8.5	12.7

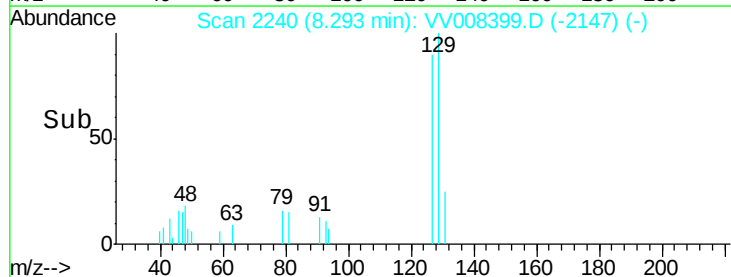
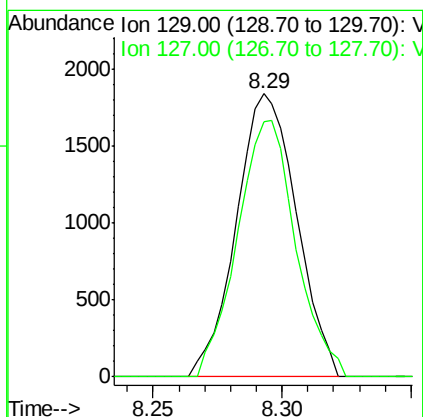
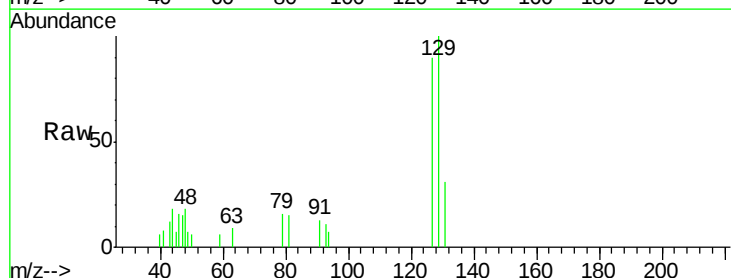
Manual Integrations
APPROVED

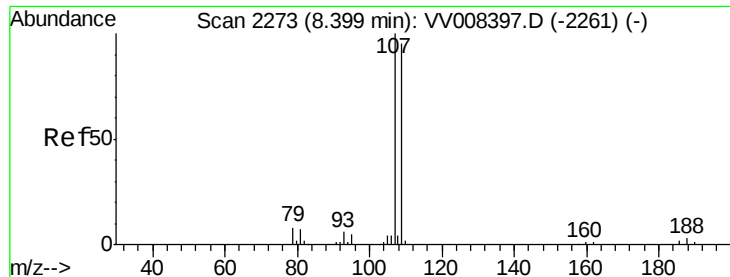
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#49
Dibromochloromethane
Concen: 1.950 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Tgt Ion:	129	Resp:	2997
Ion	Ratio	Lower	Upper
129	100		
127	90.0	54.9	101.9





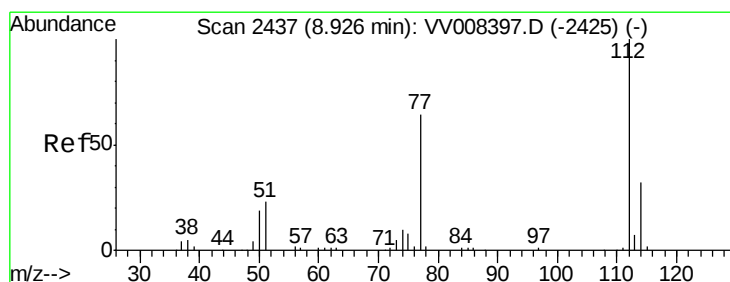
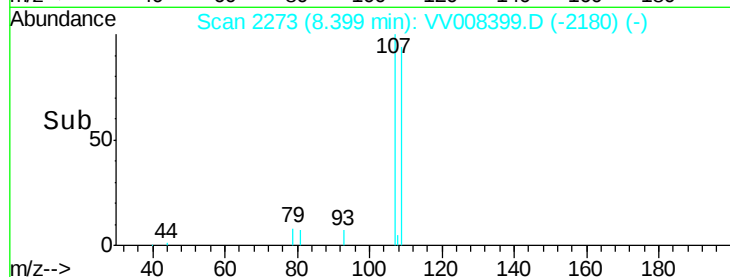
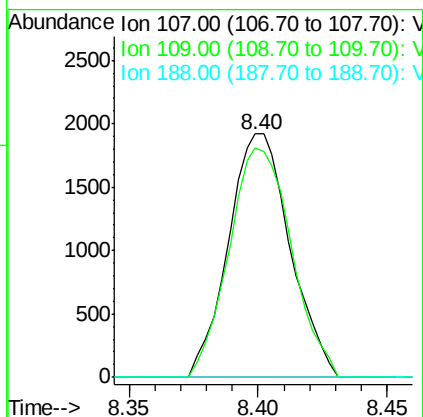
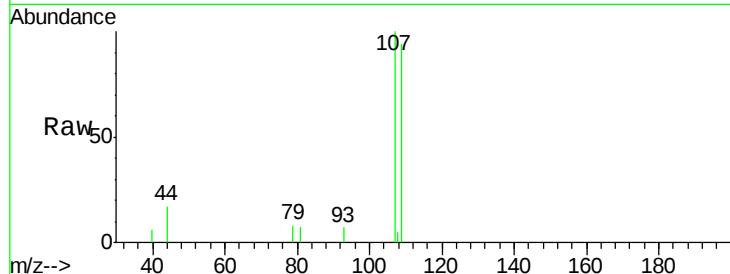
#50
1,2-Dibromoethane
Concen: 2.127 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.2	121.2
188	0.0	2.3	3.5#

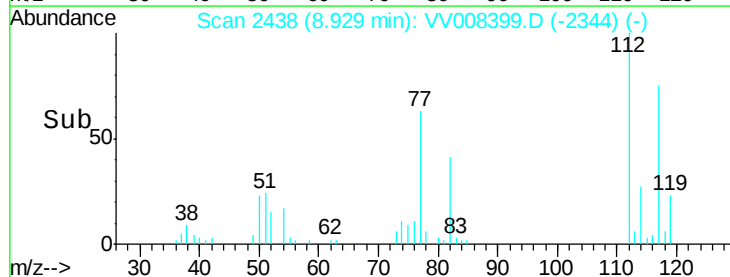
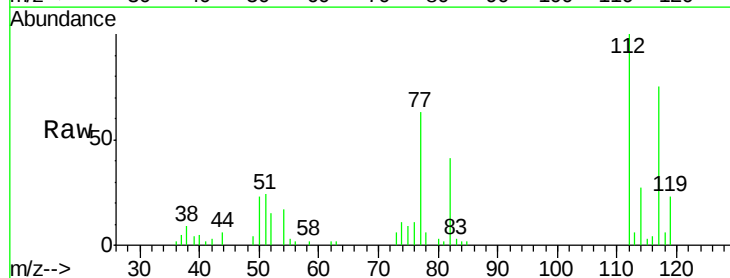
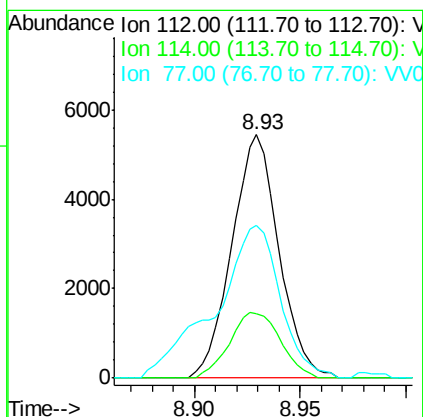
Manual Integrations
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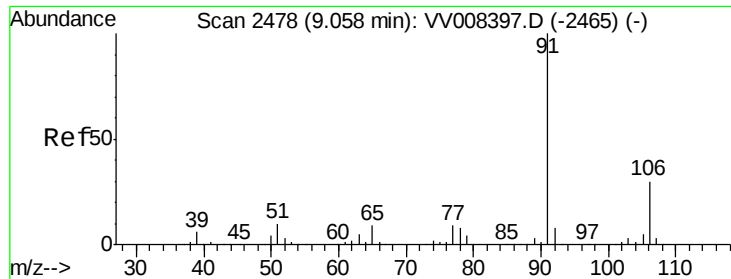
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#51
Chlorobenzene
Concen: 2.250 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008399.D
Acq: 24 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	26.5	22.5	41.7
77	62.9	52.0	78.0





#52

Ethylbenzene

Concen: 2.181 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion: 91 Resp: 14866

Ion Ratio Lower Upper

91 100

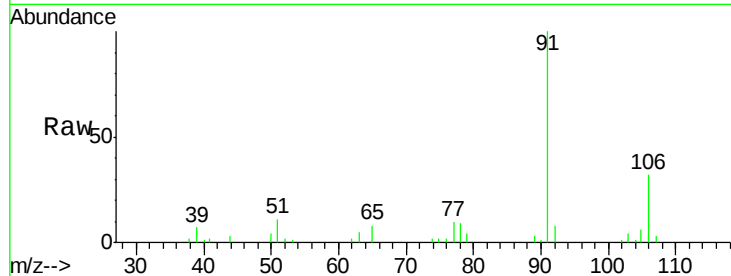
106 31.9 21.3 39.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VV008399.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008399.D (-2385) (-)

9.06

10000

8000

6000

4000

2000

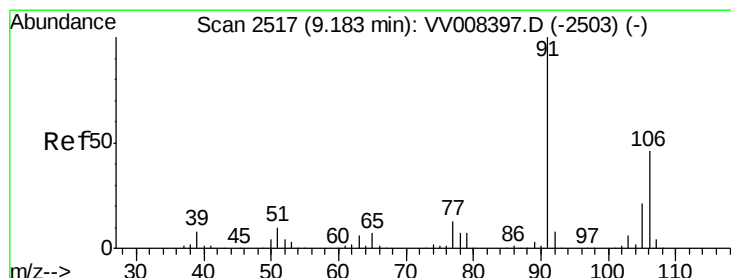
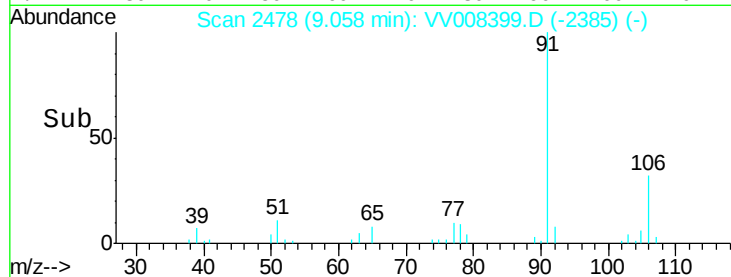
0

Time-->

9.00

9.05

9.10



#53

m,p-Xylene

Concen: 2.116 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008399.D

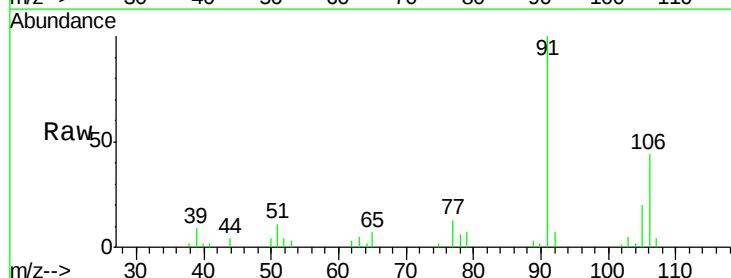
Acq: 24 Oct 2018 18:14

Tgt Ion: 106 Resp: 5270

Ion Ratio Lower Upper

106 100

91 227.8 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008399.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008399.D (-2424) (-)

9.19

8000

6000

4000

2000

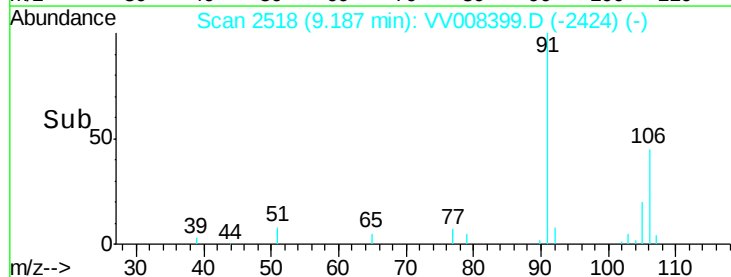
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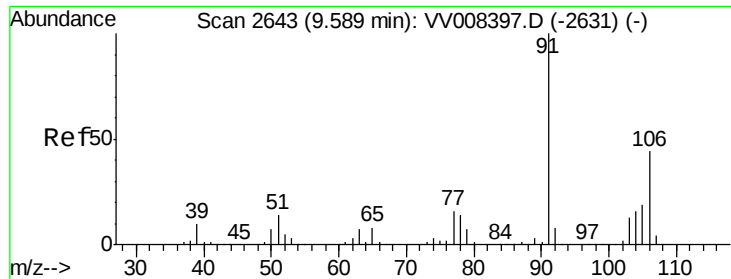
Time-->

9.15

9.20

9.25





#54

o-xylene

Concen: 2.263 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tgt Ion:106 Resp: 5628

Ion Ratio Lower Upper

106 100

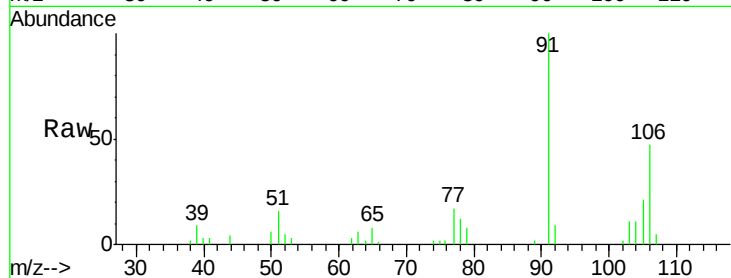
91 211.4 158.7 294.7

Manual Integrations

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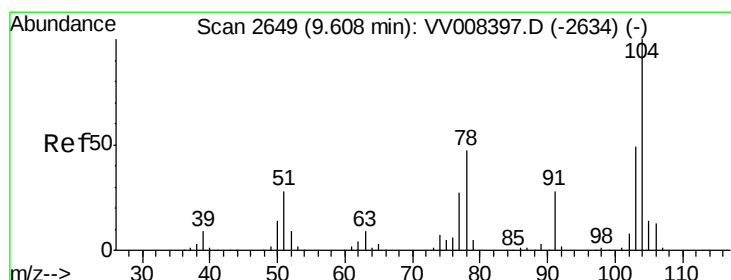
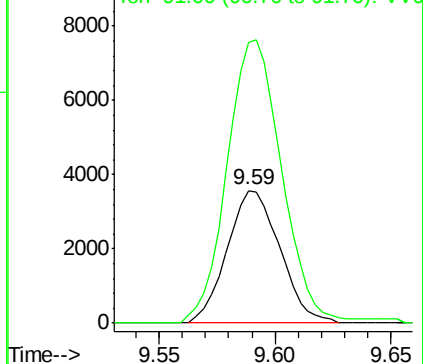
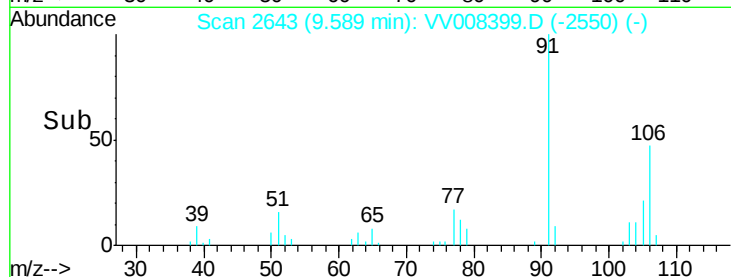
apatel

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 2.143 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008399.D

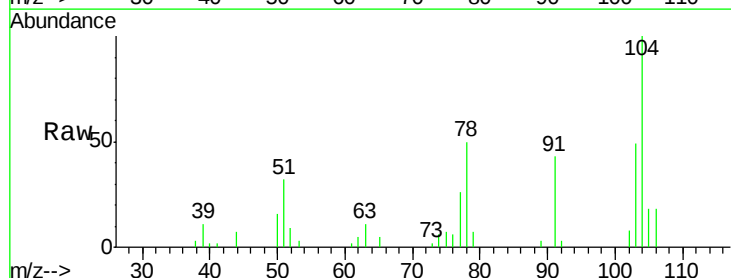
Acq: 24 Oct 2018 18:14

Tgt Ion:104 Resp: 8977

Ion Ratio Lower Upper

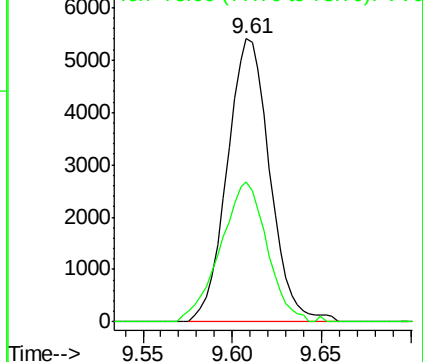
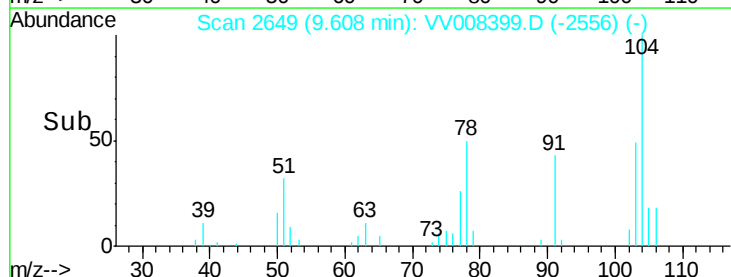
104 100

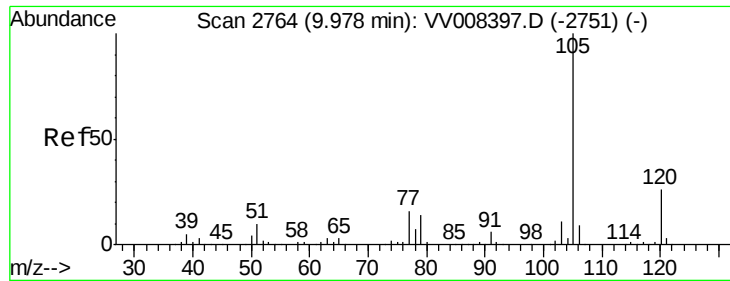
78 49.7 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 2.084 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

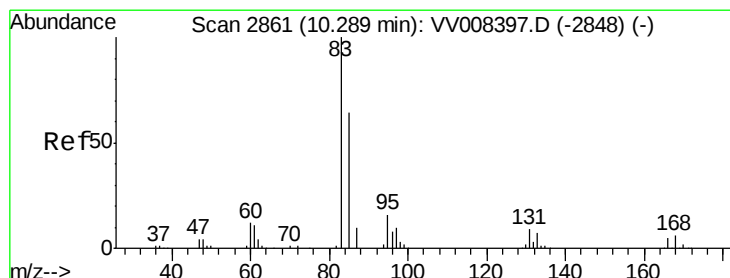
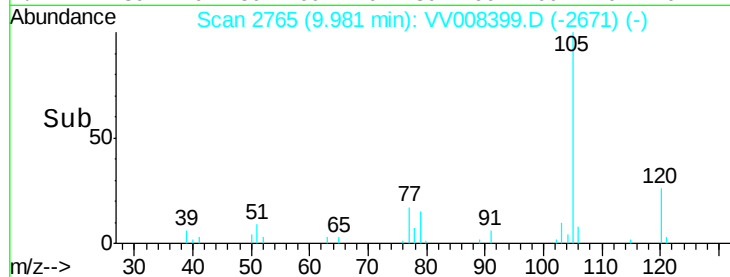
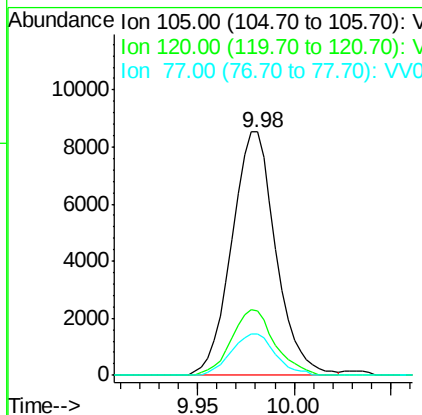
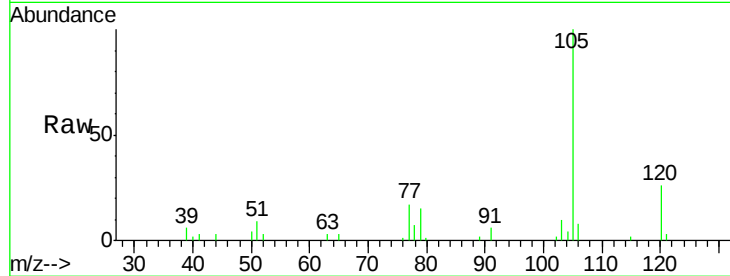
ClientSampleId :

MDL01

Tgt Ion:	105	Resp:	13560
Ion Ratio	Lower	Upper	
105	100		
120	26.4	20.7	31.1
77	17.0	13.5	20.3

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.336 ug/L

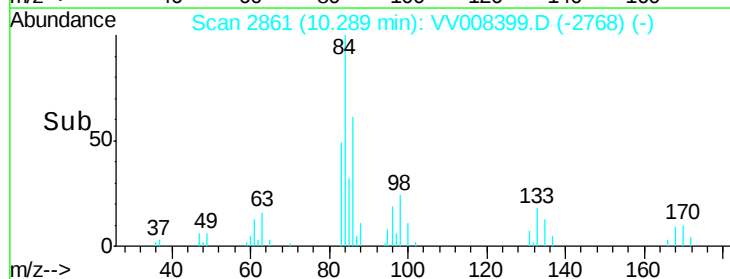
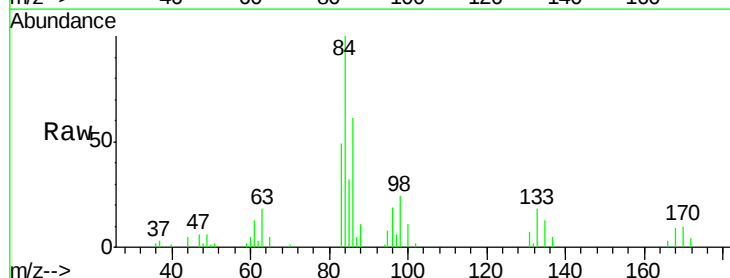
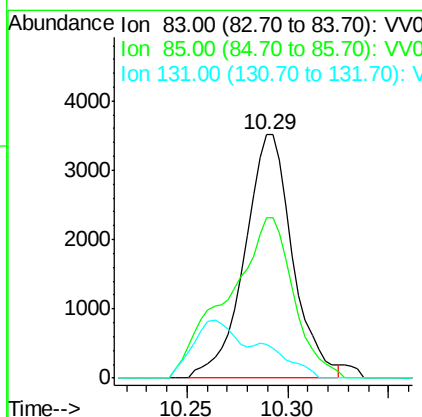
RT: 10.29 min Scan# 2861

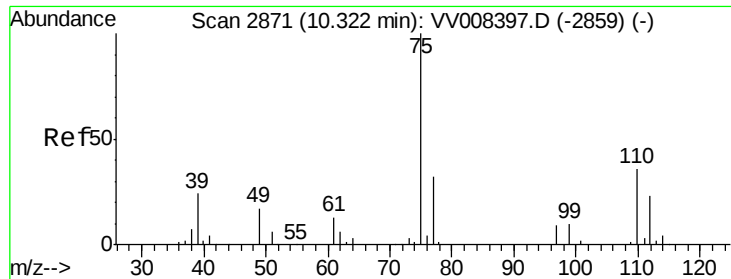
Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Tgt Ion:	83	Resp:	5852
Ion Ratio	Lower	Upper	
83	100		
85	65.9	45.8	85.2
131	13.7	7.3	10.9#





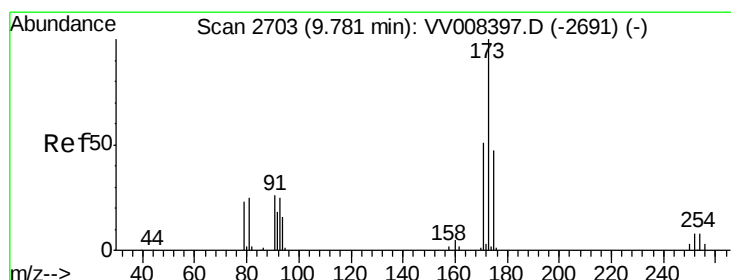
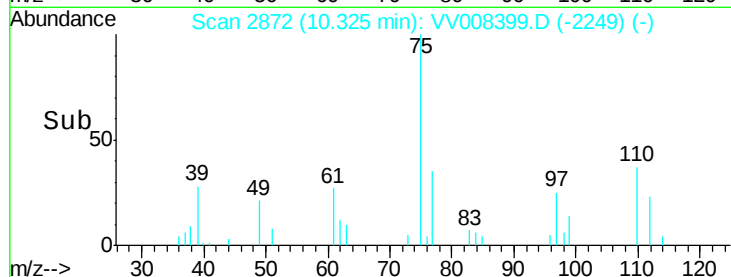
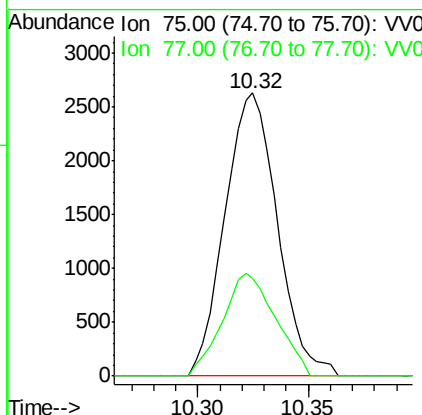
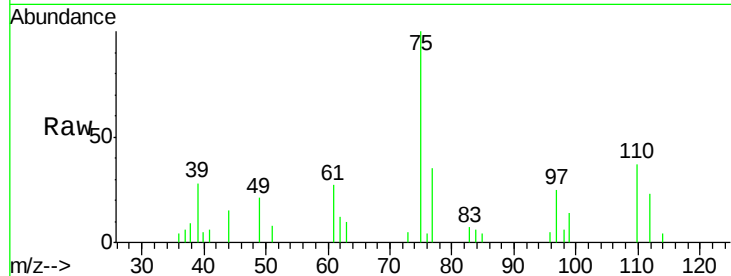
#59
 1,2,3-Trichloropropane
 Concen: 2.138 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion: 75 Resp: 4334
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.8 38.8

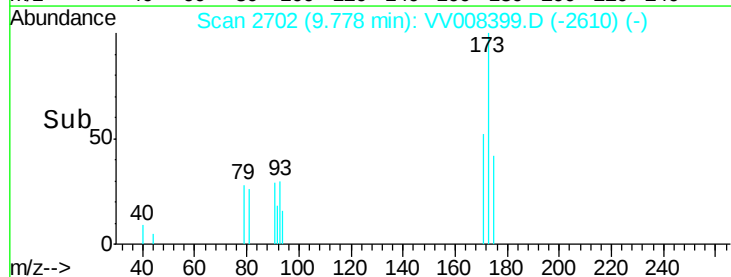
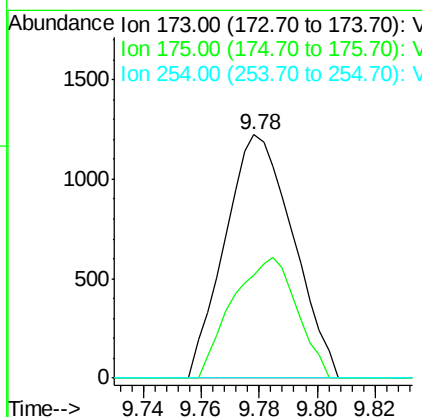
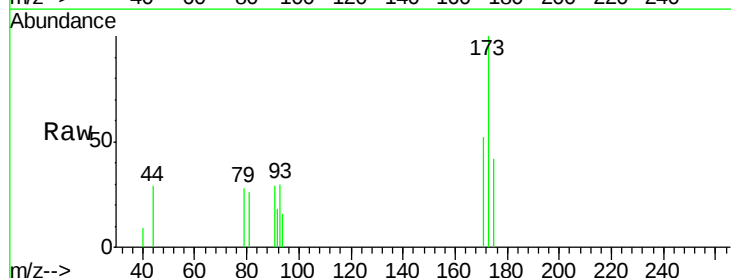
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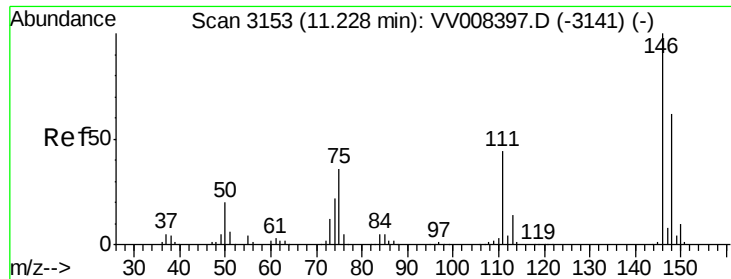
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#61
 Bromoform
 Concen: 2.089 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion: 173 Resp: 1988
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.6 57.8
 254 0.0 5.9 8.9#





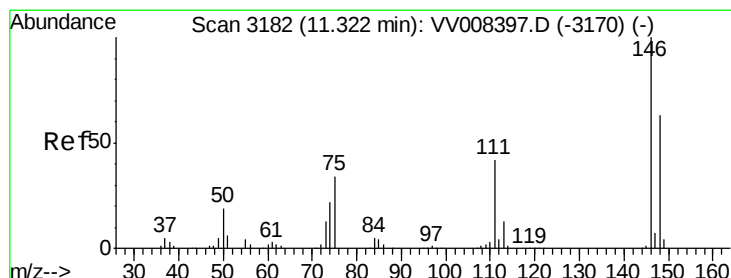
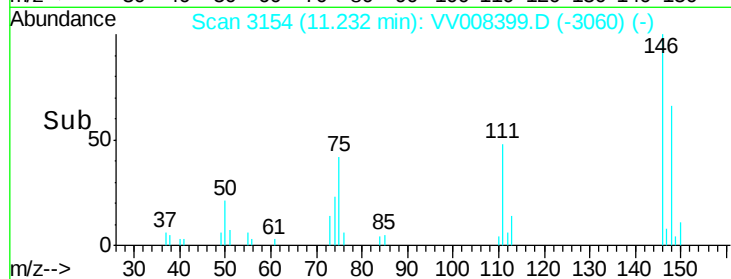
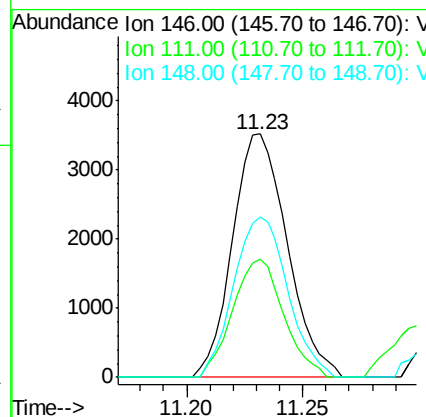
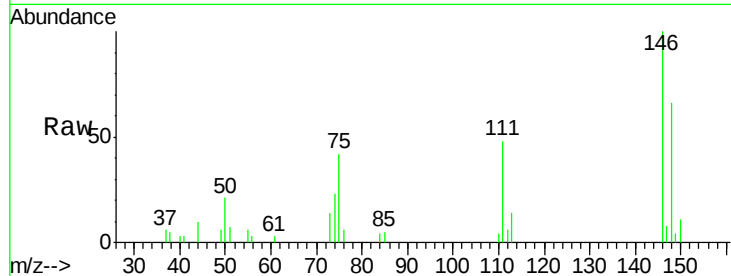
#62
 1,3-Dichlorobenzene
 Concen: 2.318 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	30.9	57.3
148	65.9	44.1	81.9

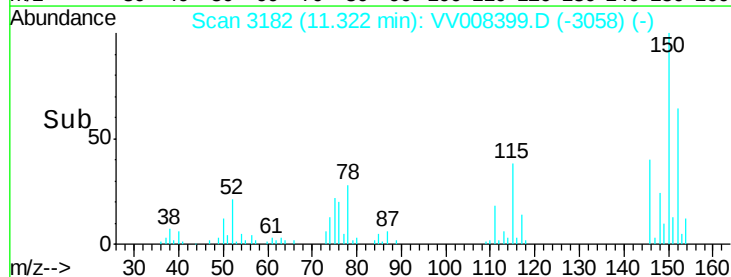
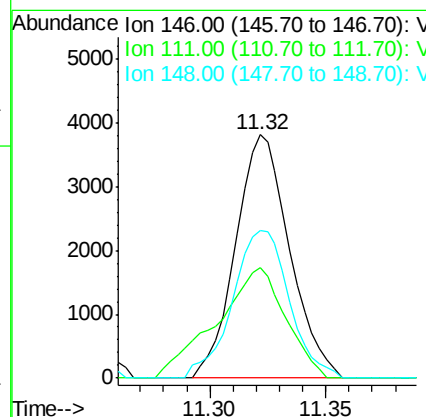
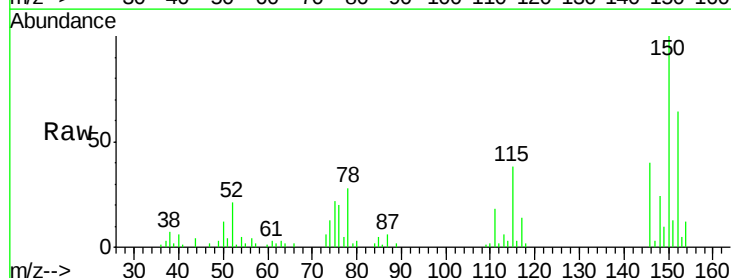
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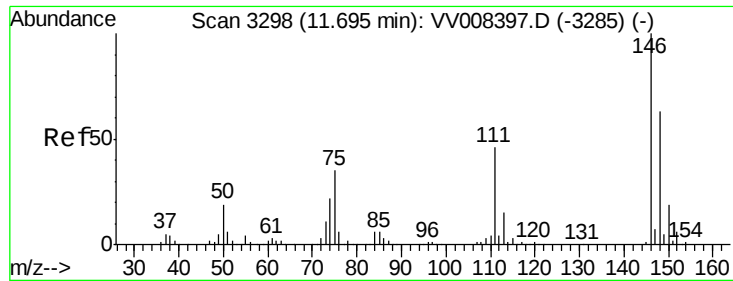
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#63
 1,4-Dichlorobenzene
 Concen: 2.465 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	29.8	55.4
148	60.6	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 2.294 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

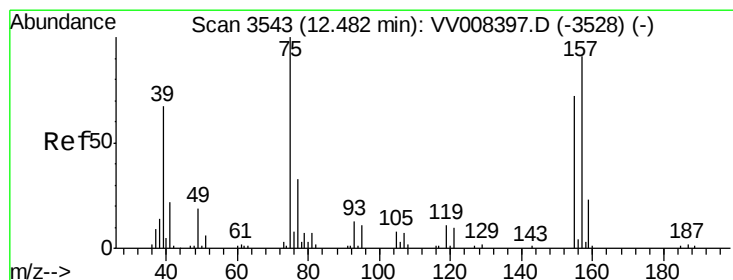
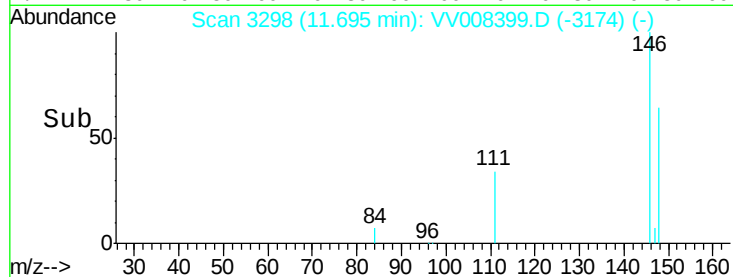
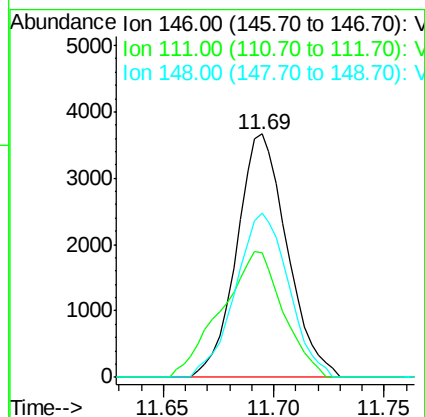
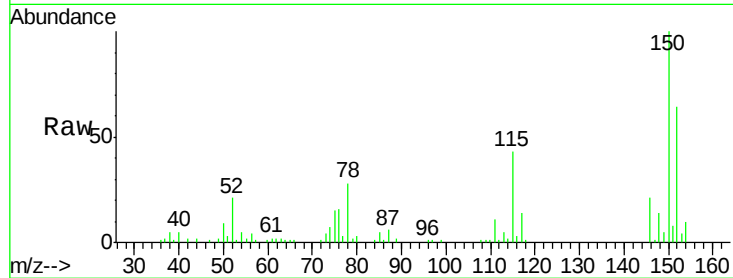
ClientSampled :

MDL01

Tgt Ion:	146	Resp:	5832
Ion Ratio	Lower	Upper	
146	100		
111	51.1	36.2	54.2
148	67.2	50.3	75.5

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#66

1,2-Dibromo-3-chloropropane

Concen: 2.093 ug/L

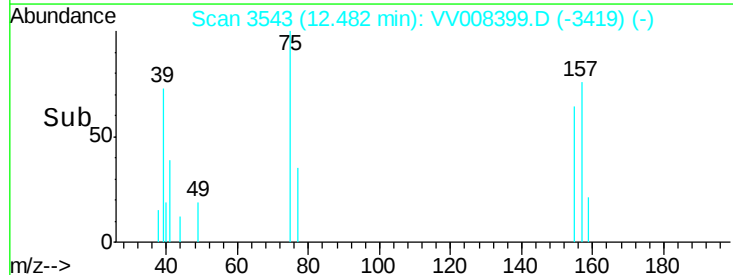
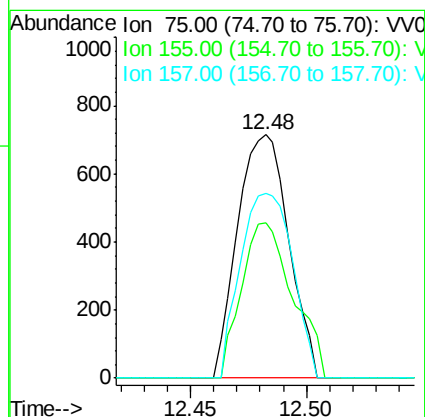
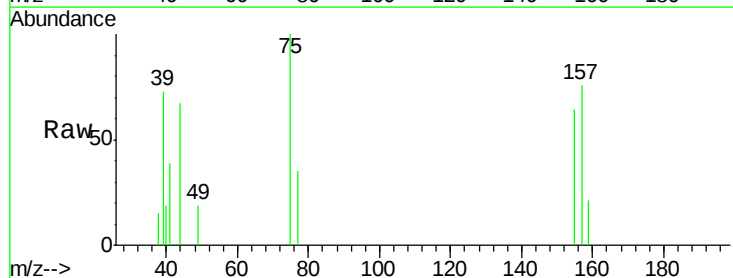
RT: 12.48 min Scan# 3543

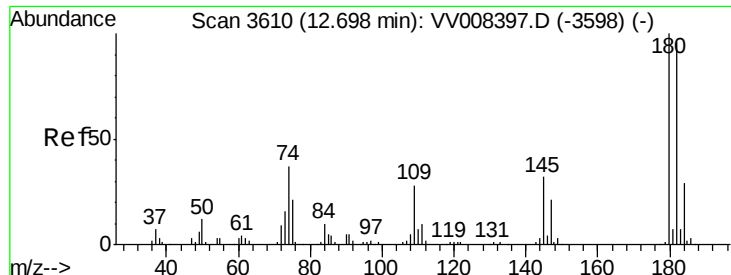
Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Tgt Ion:	75	Resp:	1094
Ion Ratio	Lower	Upper	
75	100		
155	64.1	55.4	83.0
157	75.8	72.8	109.2





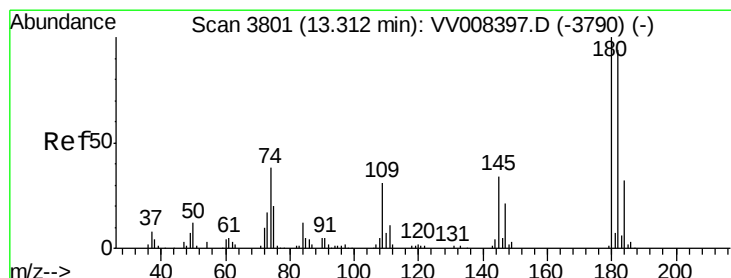
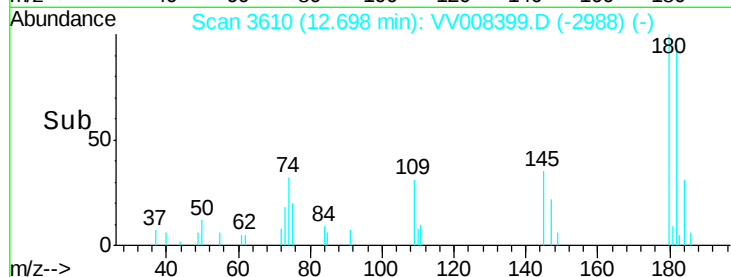
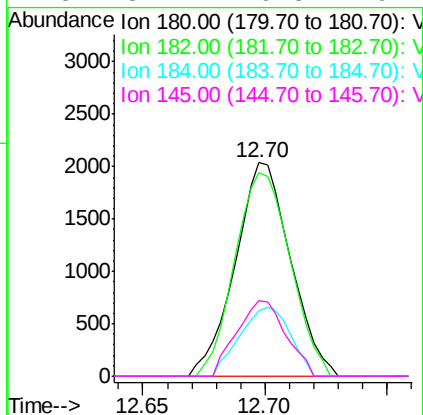
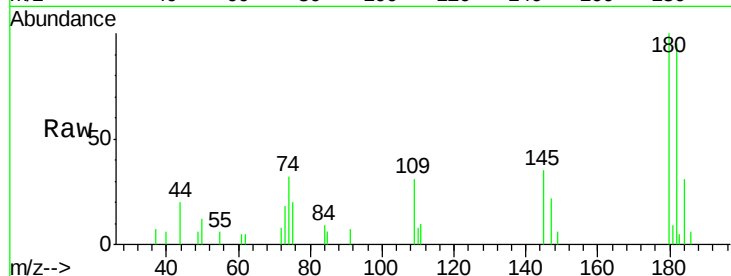
#67
 1,3,5-Trichlorobenzene
 Concen: 1.969 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tgt Ion:	180	Resp:	3205
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.9	113.9
184	29.3	24.1	36.1
145	31.4	26.8	40.2

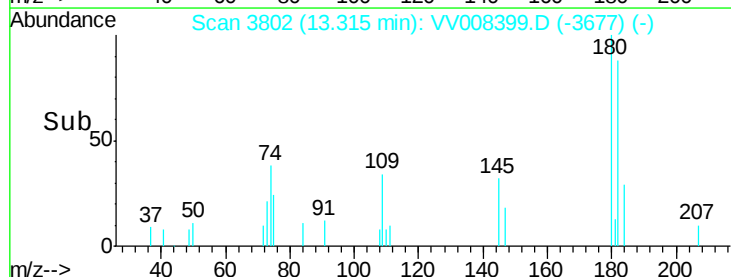
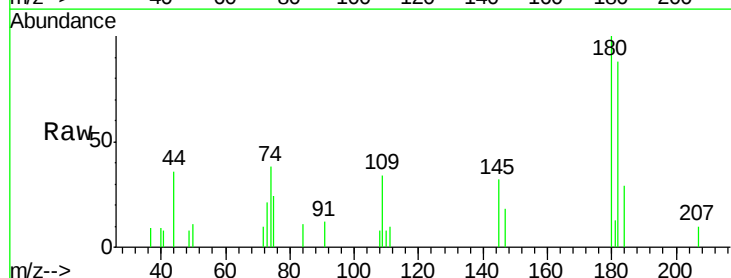
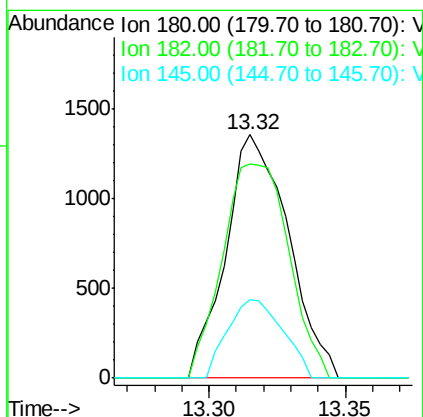
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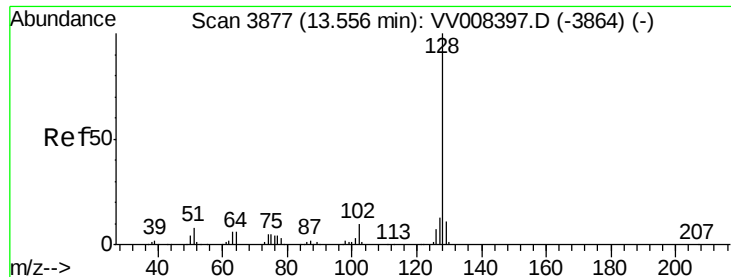
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#68
 1,2,4-trichlorobenzene
 Concen: 1.639 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008399.D
 Acq: 24 Oct 2018 18:14

Tgt Ion:	180	Resp:	2159
Ion Ratio	Lower	Upper	
180	100		
182	93.3	75.4	113.2
145	28.4	27.0	40.6





#69

Naphthalene

Concen: 1.303 ug/L m

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Instrument :

MSVOA_V

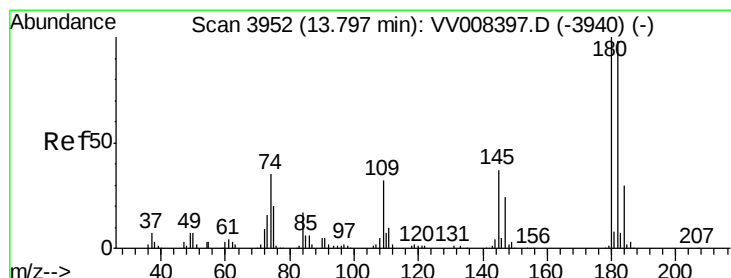
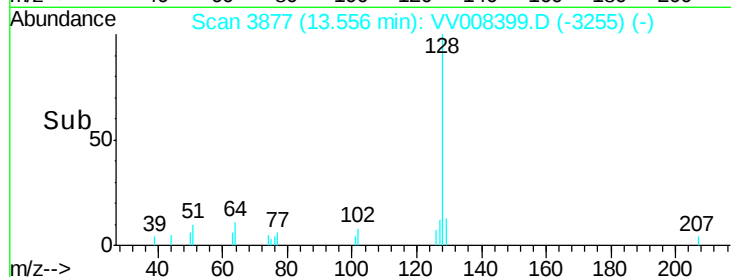
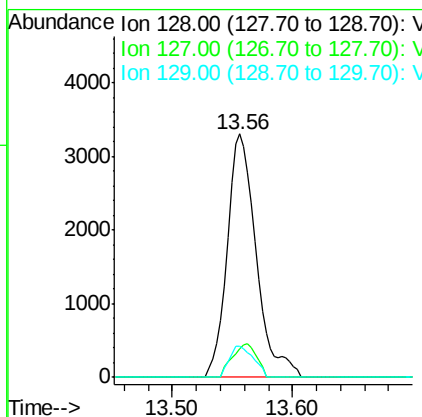
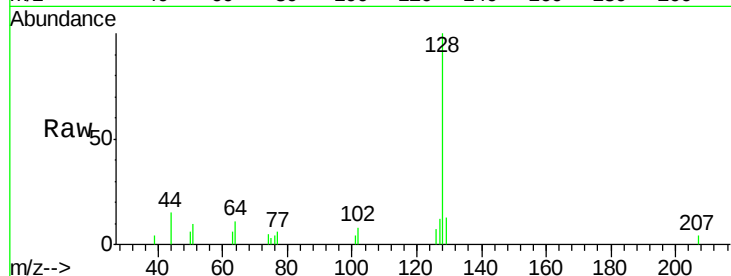
ClientSampleId :

MDL01

Tgt Ion:	128	Resp:	5548
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.6	15.8
129	10.7	8.9	13.3

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#70

1,2,3-Trichlorobenzene

Concen: 1.512 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008399.D

Acq: 24 Oct 2018 18:14

Tgt Ion:	180	Resp:	1990
Ion Ratio	Lower	Upper	
180	100		
182	98.5	75.7	113.5
145	35.2	28.6	43.0

