

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110118\
 Data File : VU027894.D
 Acq On : 01 Nov 2018 11:13
 Operator : MD/SY
 Sample : MDL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 4:10:20 PM

Quant Time: Nov 02 07:15:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 02 08:02:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	82139	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	76294	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	37060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23832	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.68	69	19434	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	2.28	63	38264	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.20	46	87985	45.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.92%
24) Chloroform-d	4.65	84	46136	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.00%
26) 1,2-Dichloroethane-d4	5.31	65	30993	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.34	84	89239	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.33	67	31748	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.57	98	83127	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	7.85	79	12536	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.31	63	70686	45.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23885	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	31771	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	2776	0.343	ug/L	92
3) Chloromethane	1.33	50	2883	0.359	ug/L	100
5) Vinyl chloride	1.40	62	2649	0.332	ug/L #	70
6) Bromomethane	1.63	94	1031	0.393	ug/L #	63
8) Chloroethane	1.70	64	1755	0.375	ug/L	84
9) Trichlorofluoromethane	1.89	101	3687	0.348	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2190	0.405	ug/L #	83
12) 1,1-Dichloroethene	2.29	96	1820	0.357	ug/L #	1
13) Acetone	2.32	43	4843	4.013	ug/L	88
14) Carbon disulfide	2.48	76	5480	0.301	ug/L	97
15) Methyl Acetate	2.62	43	1027m	0.318	ug/L	
16) Methylene chloride	2.70	84	2083	0.363	ug/L	85
17) Methyl tert-butyl Ether	3.01	73	5109	0.336	ug/L #	89
18) trans-1,2-Dichloroethene	2.98	96	1825	0.337	ug/L	92
19) 1,1-Dichloroethane	3.45	63	3928	0.343	ug/L	95
21) 2-Butanone	4.29	43	6715m	3.200	ug/L	
22) cis-1,2-Dichloroethene	4.22	96	1975	0.315	ug/L	81

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

23) Bromochloromethane	4.56	128	857m	0.330	ug/L	
25) Chloroform	4.68	83	8585	0.740	ug/L	98
27) 1,2-Dichloroethane	5.41	62	3157	0.390	ug/L	97
29) 1,1,1-Trichloroethane	4.92	97	3370	0.342	ug/L	99
30) Cyclohexane	4.99	56	3829	0.331	ug/L #	90
31) Carbon tetrachloride	5.13	117	2949	0.349	ug/L	96
33) Benzene	5.39	78	8617	0.357	ug/L	100
34) Trichloroethene	6.19	95	2197	0.349	ug/L	90
35) Methylcyclohexane	6.41	83	3507	0.328	ug/L	94
37) 1,2-Dichloropropane	6.43	63	2310	0.336	ug/L #	90
38) Bromodichloromethane	6.76	83	2546	0.316	ug/L #	83
39) cis-1,3-Dichloropropene	7.27	75	3584	0.363	ug/L	88
40) 4-Methyl-2-pentanone	7.47	43	17039	3.504	ug/L	93
42) Toluene	7.64	91	8808	0.348	ug/L	94
44) trans-1,3-Dichloropropene	7.88	75	2752m	0.325	ug/L	
45) 1,1,2-Trichloroethane	8.07	97	1322	0.312	ug/L	97
47) Tetrachloroethene	8.23	164	1736	0.359	ug/L	87
48) 2-Hexanone	8.37	43	13475	3.844	ug/L	98
49) Dibromochloromethane	8.48	129	1444	0.282	ug/L	95
50) 1,2-Dibromoethane	8.59	107	1305	0.322	ug/L #	91
51) Chlorobenzene	9.12	112	5113	0.326	ug/L	97
52) Ethylbenzene	9.25	91	9883	0.343	ug/L	99
53) m,p-xylene	9.38	106	3451	0.330	ug/L	89
54) o-xylene	9.78	106	3374	0.329	ug/L	94
55) Styrene	9.80	104	5630	0.327	ug/L	93
56) Isopropylbenzene	10.17	105	9038	0.323	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	1894	0.343	ug/L #	92
59) 1,2,3-Trichloropropane	10.49	75	1330	0.319	ug/L	97
61) Bromoform	9.96	173	925	0.339	ug/L #	81
62) 1,3-Dichlorobenzene	11.42	146	3866	0.324	ug/L	92
63) 1,4-Dichlorobenzene	11.51	146	4461	0.374	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	3952	0.351	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.66	75	303m	0.344	ug/L	
67) 1,3,5-Trichlorobenzene	12.89	180	2902	0.303	ug/L	95
68) 1,2,4-trichlorobenzene	13.50	180	2684	0.329	ug/L	97
69) Naphthalene	13.75	128	3557	0.280	ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	2585	0.348	ug/L #	84

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

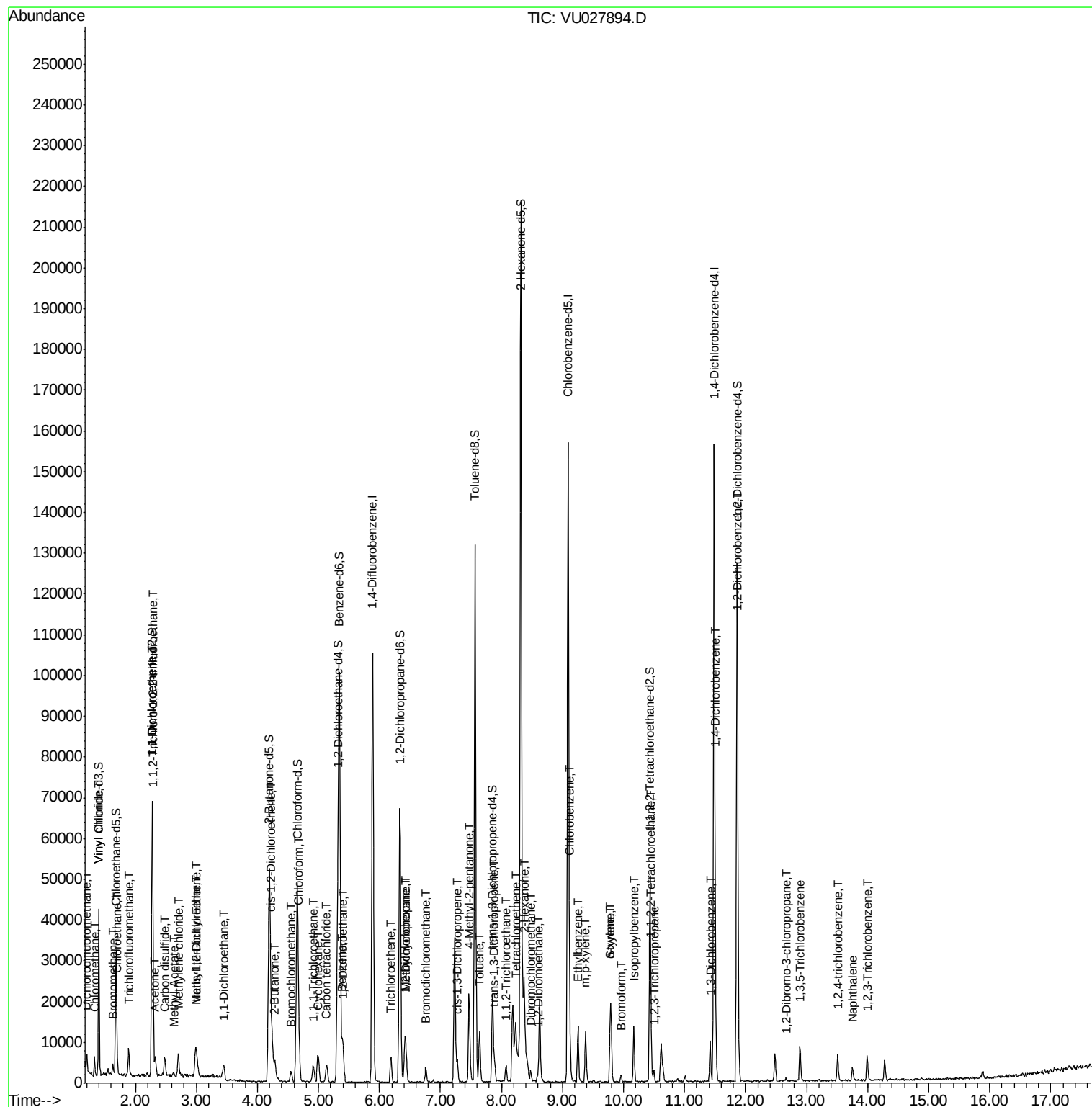
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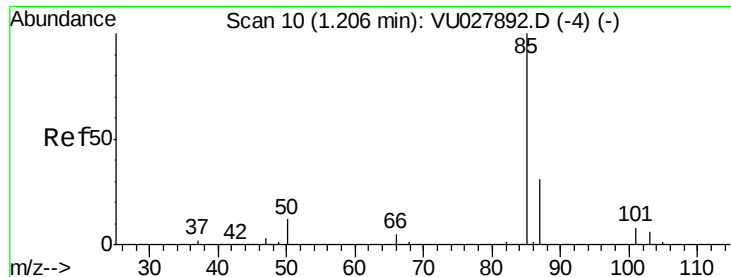
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#2

Dichlorodifluoromethane

Concen: 0.343 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 2776

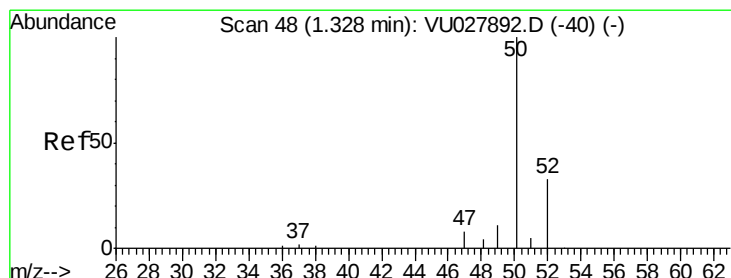
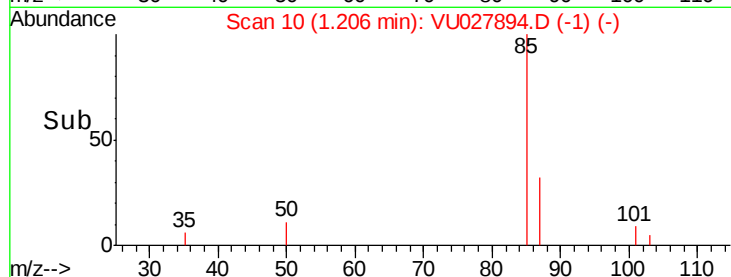
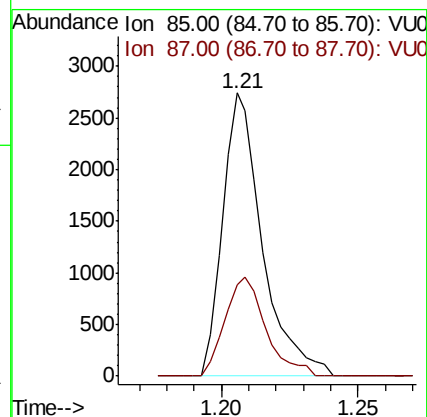
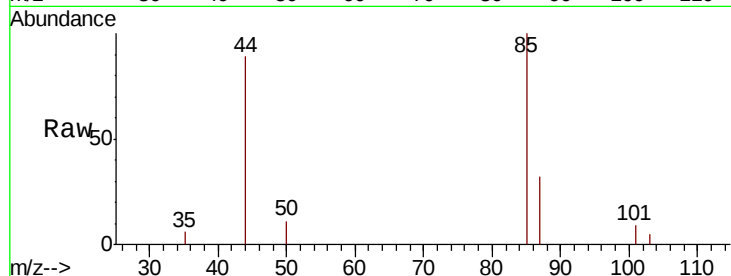
Ion Ratio Lower Upper

85 100

87 36.1 25.2 37.8

Manual Integrations
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11/5/2018 4:10:20 PM



#3

Chloromethane

Concen: 0.359 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027894.D

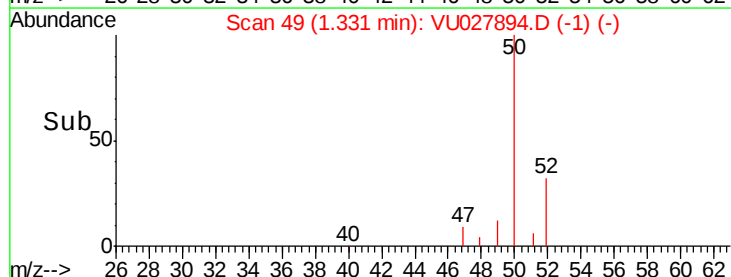
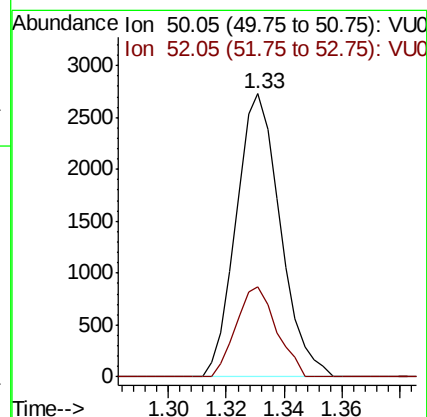
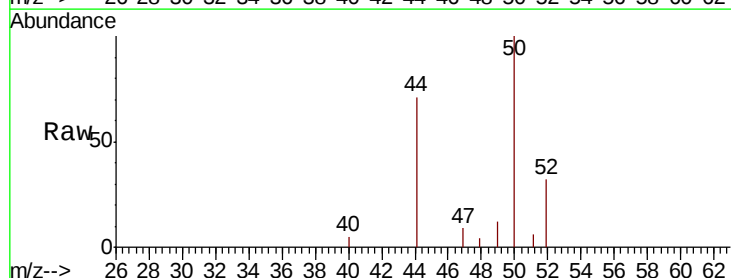
Acq: 01 Nov 2018 11:13

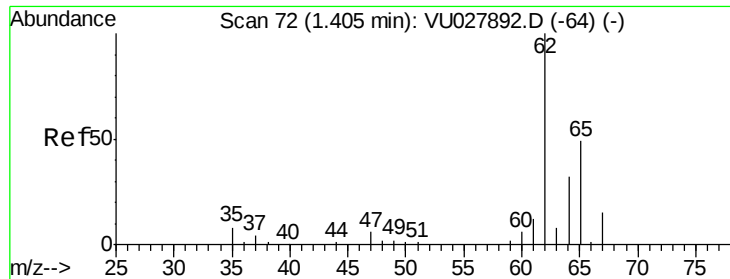
Tgt Ion: 50 Resp: 2883

Ion Ratio Lower Upper

50 100

52 31.9 22.3 41.5





#5

Vinyl chloride

Concen: 0.332 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 62 Resp: 2649

Ion Ratio Lower Upper

62 100

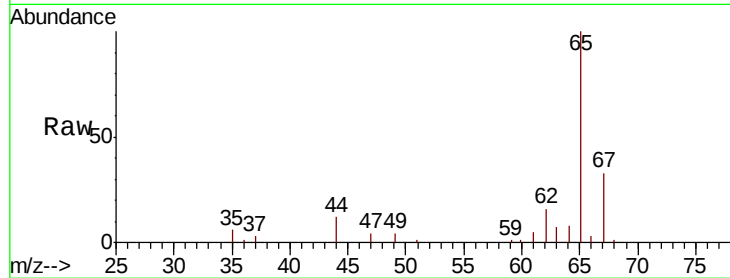
64 51.6 24.0 44.6#

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

3000

2500

2000

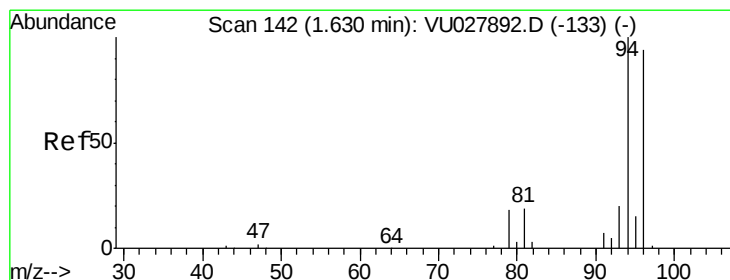
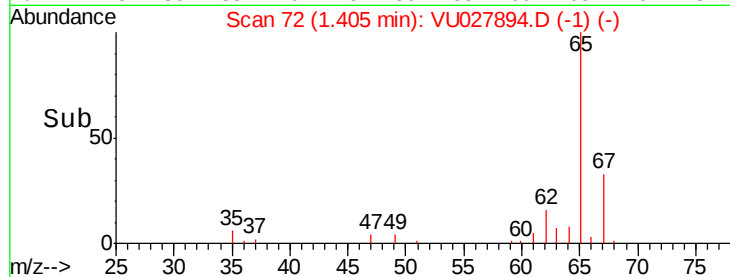
1500

1000

500

0

Time-->



#6

Bromomethane

Concen: 0.393 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027894.D

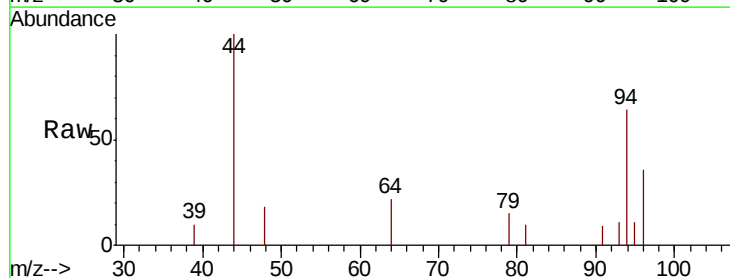
Acq: 01 Nov 2018 11:13

Tgt Ion: 94 Resp: 1031

Ion Ratio Lower Upper

94 100

96 57.1 65.0 120.6#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1000

800

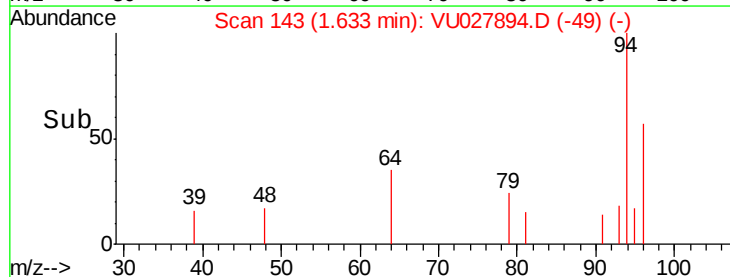
600

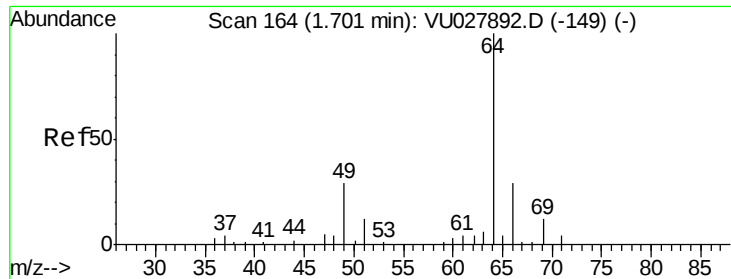
400

200

0

Time-->





#8

Chloroethane

Concen: 0.375 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 64 Resp: 1755

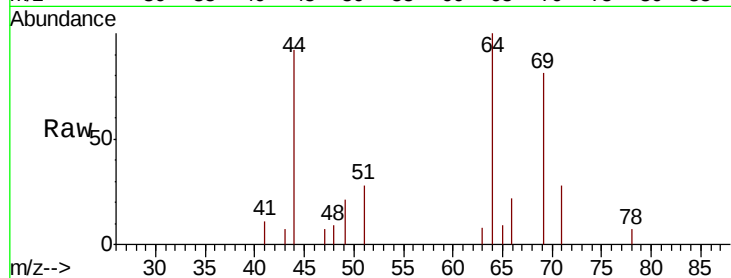
Ion Ratio Lower Upper

64 100

66 22.2 21.8 40.6

Manual Integrations
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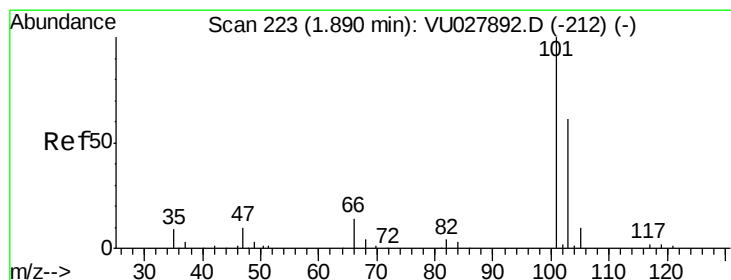
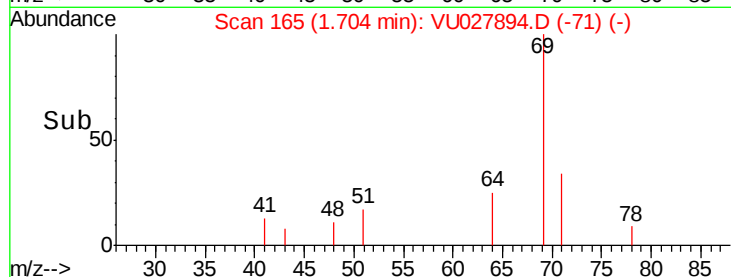
Abundance Ion 64.10 (63.80 to 64.80): VU027892.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VU027892.D (-149) (-)

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 0.348 ug/L

RT: 1.89 min Scan# 224

Delta R.T. 0.00 min

Lab File: VU027894.D

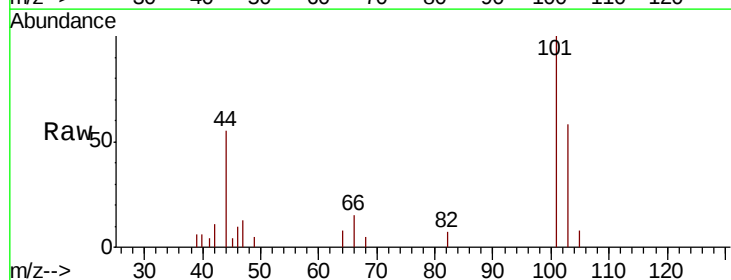
Acq: 01 Nov 2018 11:13

Tgt Ion: 101 Resp: 3687

Ion Ratio Lower Upper

101 100

103 64.3 51.4 77.0



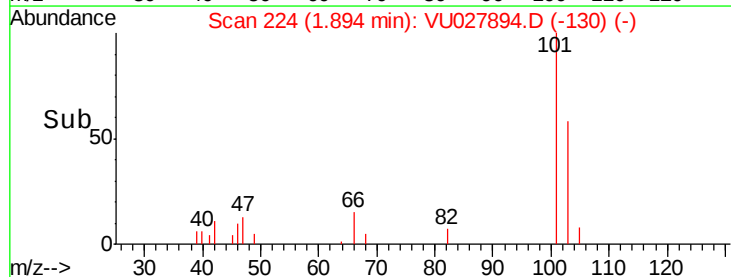
Abundance Ion 101.00 (100.70 to 101.70): VU027892.D (-212) (-)

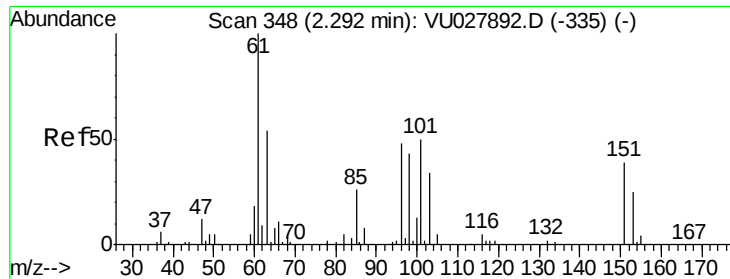
Ion 103.00 (102.70 to 103.70): VU027892.D (-212) (-)

1.89

1.90

Time-->





#10

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

Concen: 0.405 ug/L

RT: 2.29 min Scan# 348

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

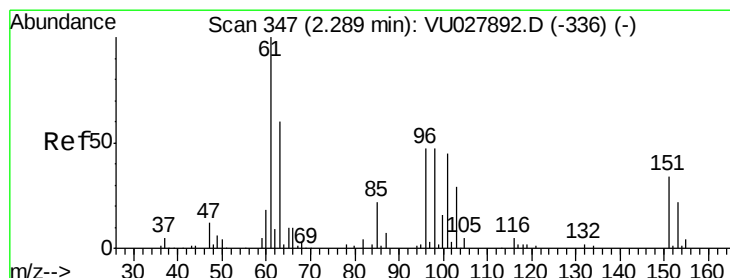
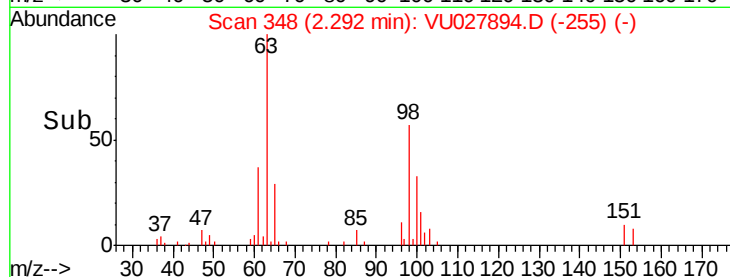
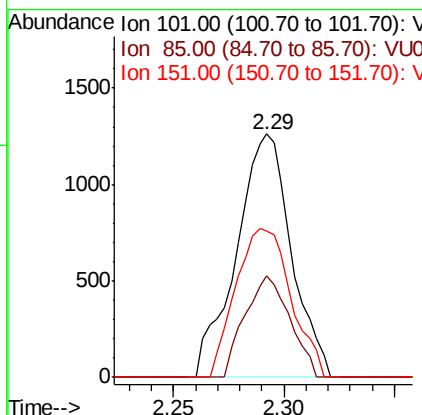
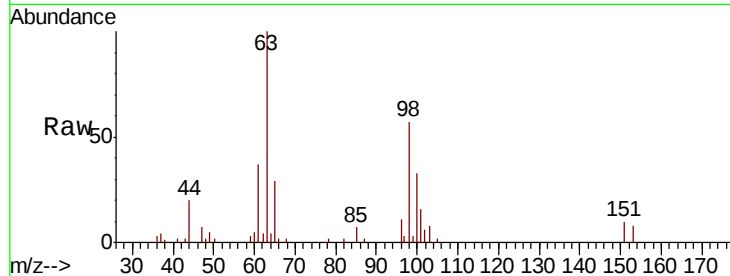
ClientSampleId :

MDL01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	2190		
85	34.1		37.1	55.7#
151	61.2		59.9	89.9

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.357 ug/L

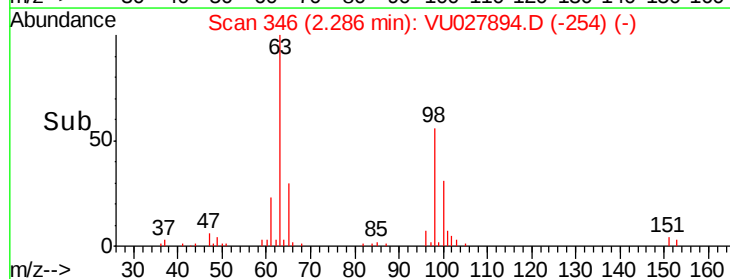
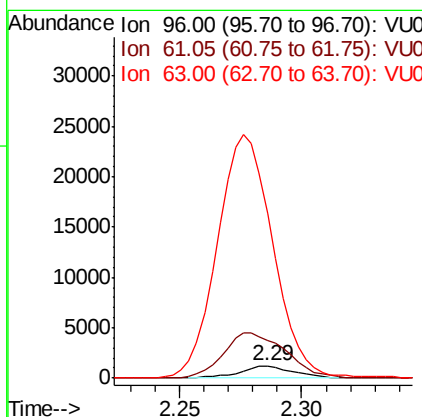
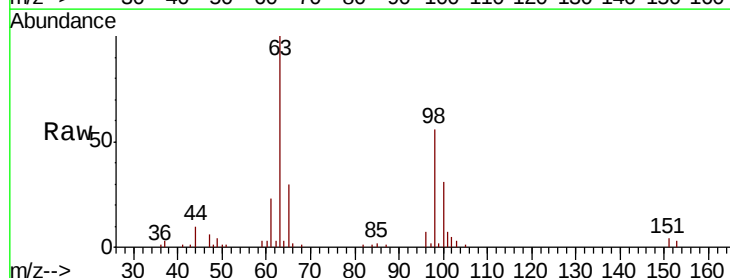
RT: 2.29 min Scan# 346

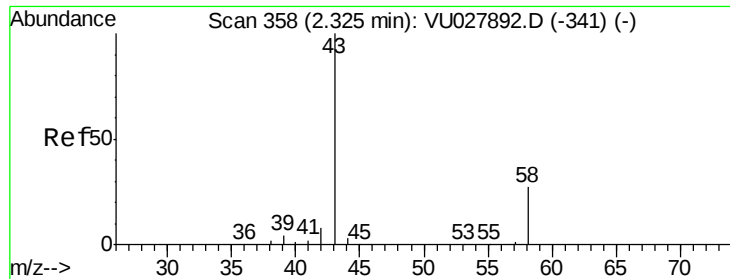
Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1820		
61	311.5		141.1	262.1#
63	1363.5		113.0	209.9#





#13

Acetone

Concen: 4.013 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 4843

Ion Ratio Lower Upper

43 100

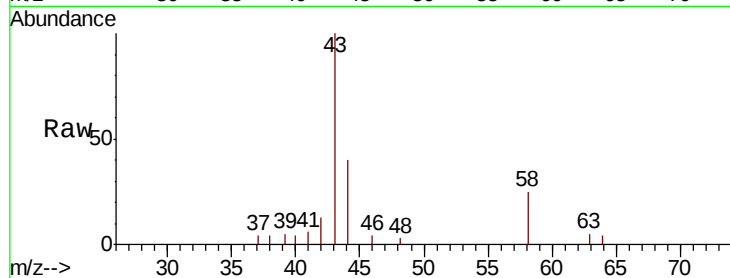
58 24.2 0.0 61.4

Manual Integrations

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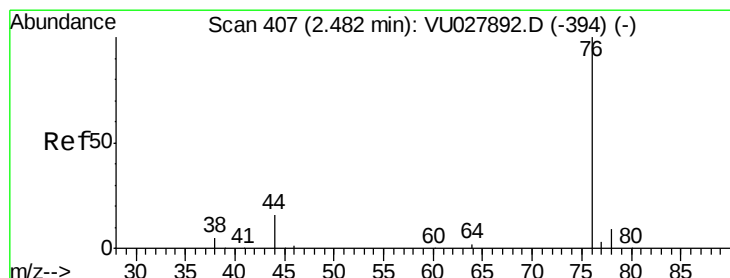
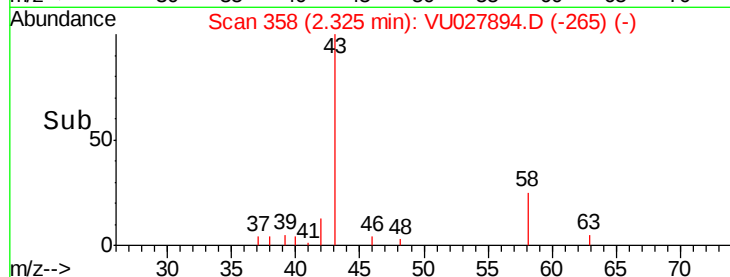
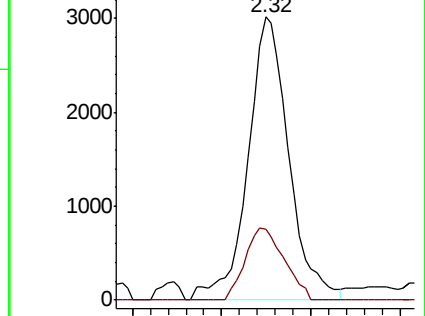
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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 0.301 ug/L

RT: 2.48 min Scan# 407

Delta R.T. -0.00 min

Lab File: VU027894.D

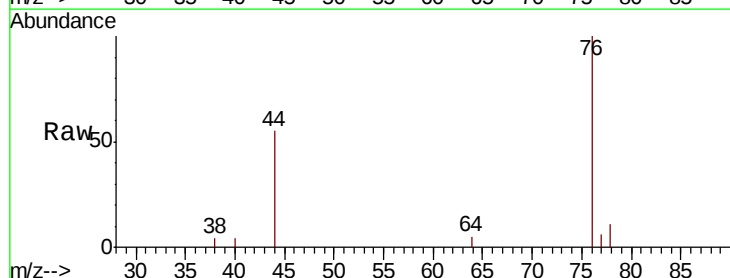
Acq: 01 Nov 2018 11:13

Tgt Ion: 76 Resp: 5480

Ion Ratio Lower Upper

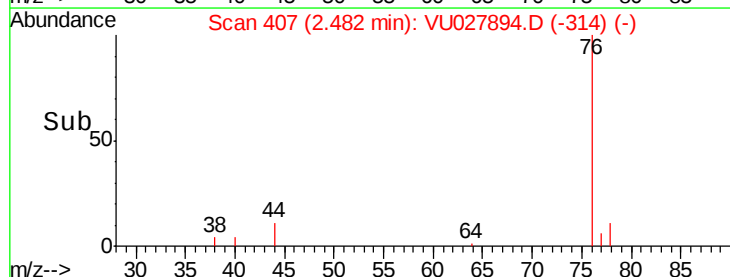
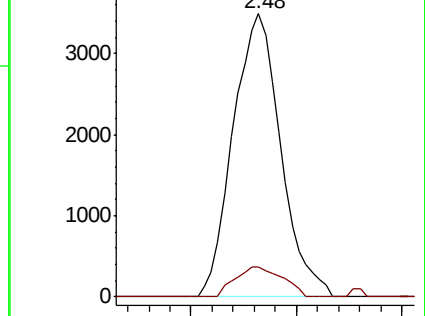
76 100

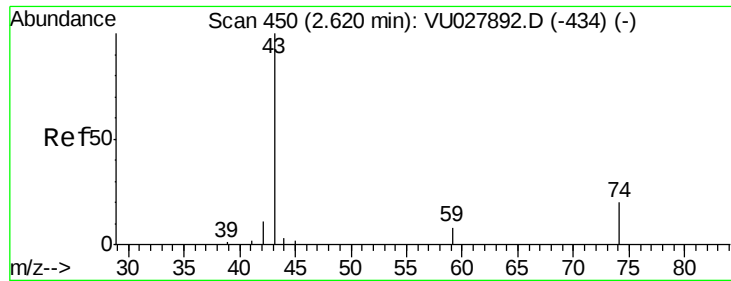
78 10.5 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





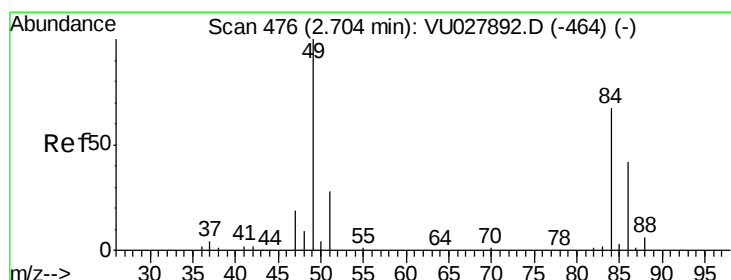
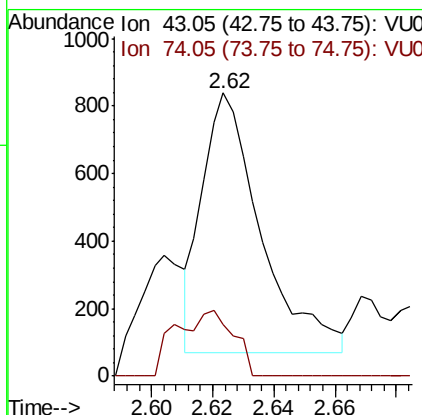
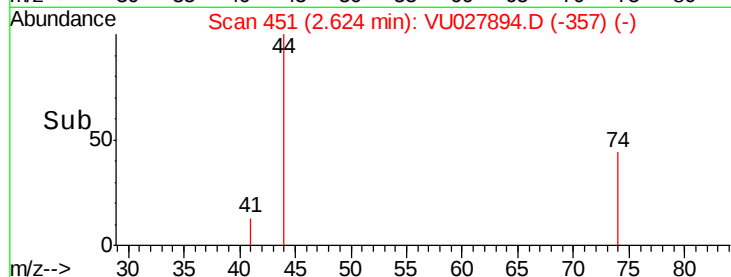
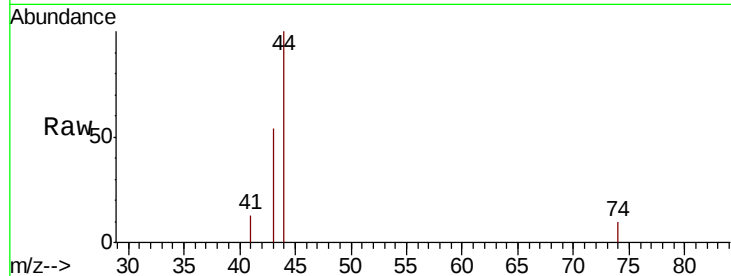
#15
Methyl Acetate
Concen: 0.318 ug/L m
RT: 2.62 min Scan# 451
Delta R.T. 0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
74 24.7 14.9 22.3#

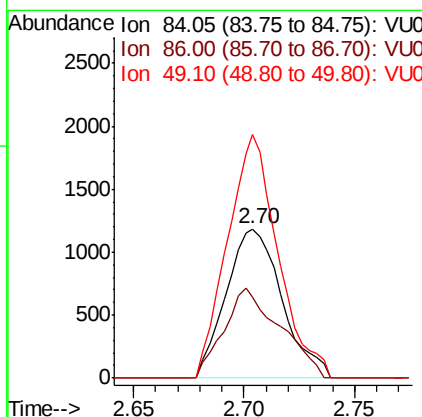
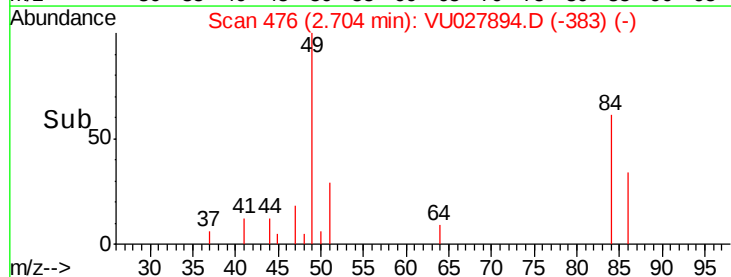
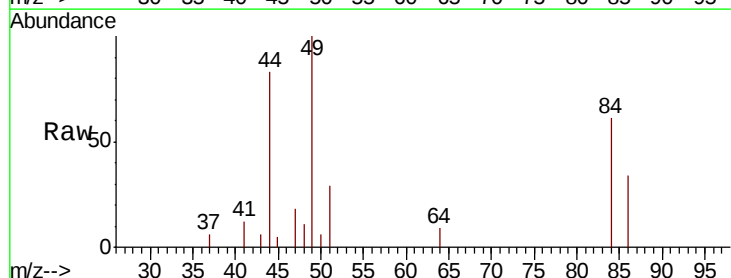
Manual Integrations
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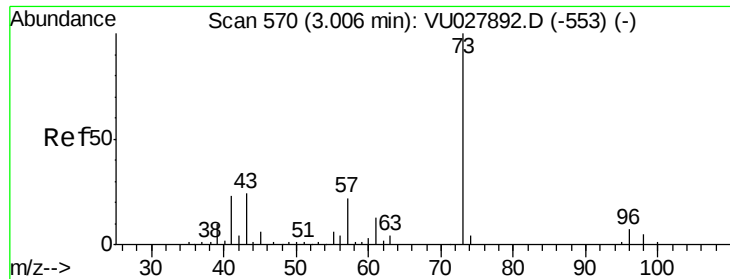
MMDadoda
11/5/2018 4:10:20 PM



#16
Methylene chloride
Concen: 0.363 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion: 84 Resp: 2083
Ion Ratio Lower Upper
84 100
86 54.7 46.7 86.7
49 163.1 101.3 188.1





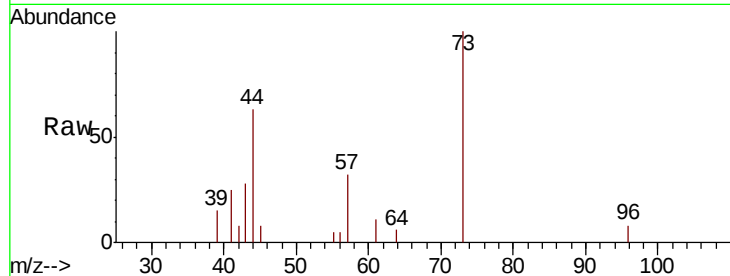
#17
Methvl tert-butvl Ether
Concen: 0.336 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampleId :
MDL01

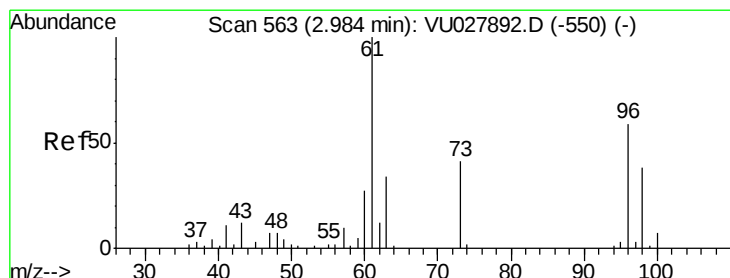
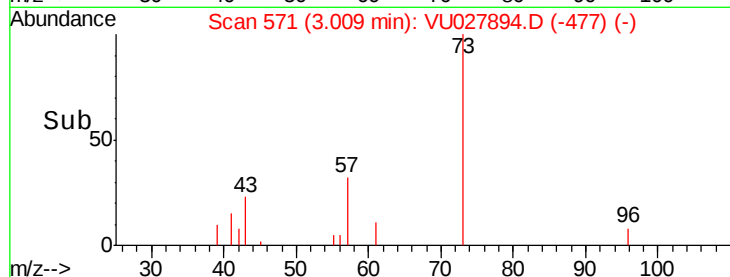
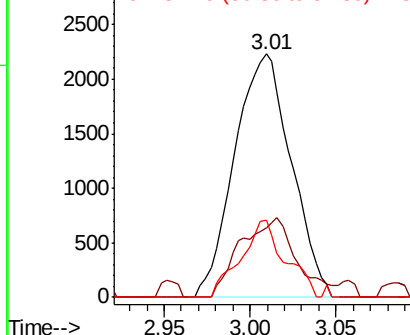
Tot Ion	Ratio	Lower	Upper
73	100		
43	32.3	18.7	28.1#
57	24.7	18.7	28.1

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11/5/2018 4:10:20 PM



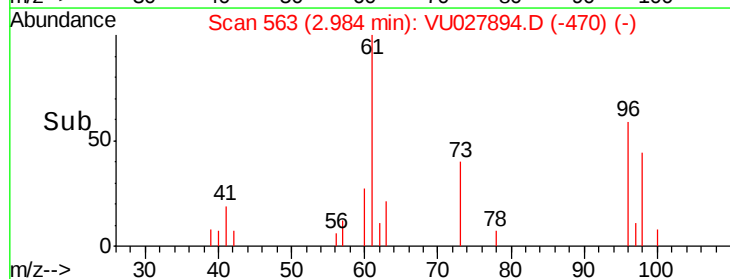
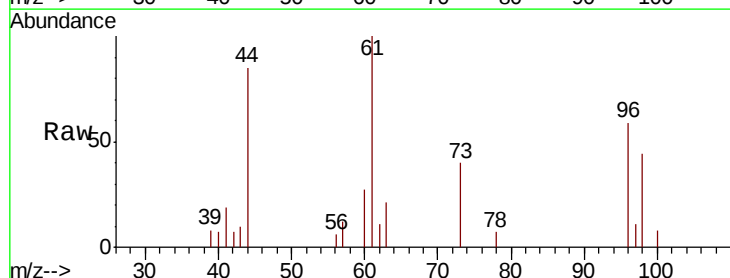
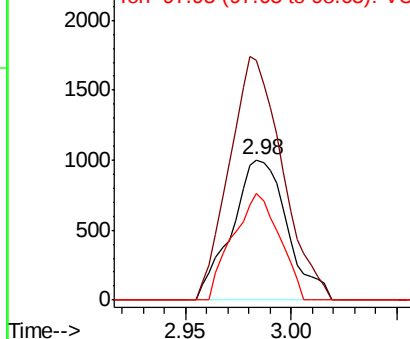
Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

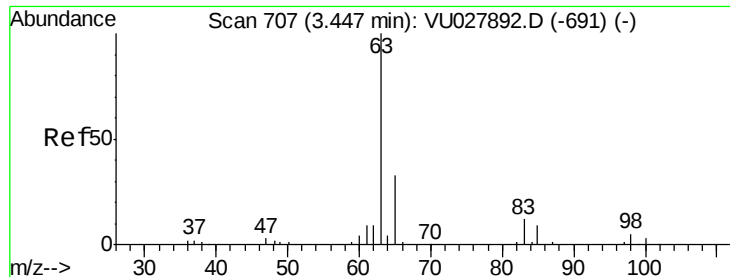


#18
trans-1,2-Dichloroethene
Concen: 0.337 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	115.2	214.0
98	75.6	44.0	81.8

Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





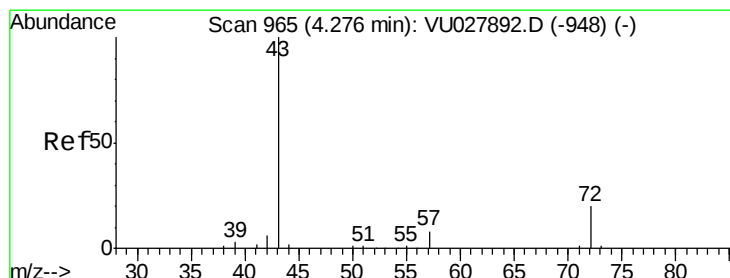
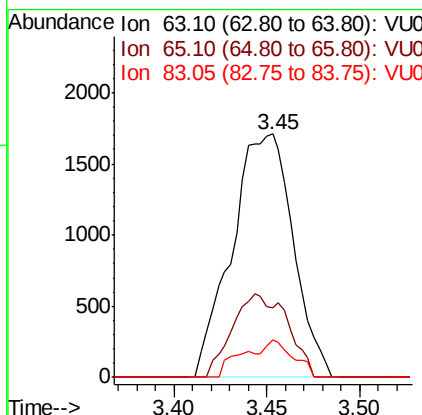
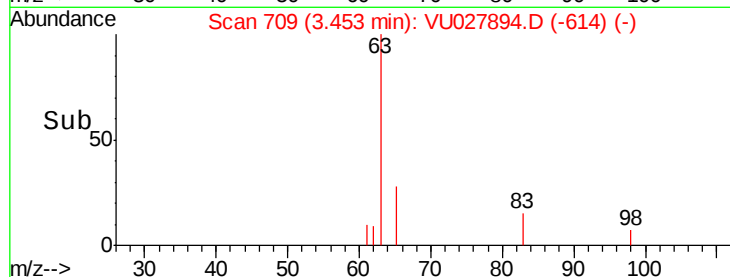
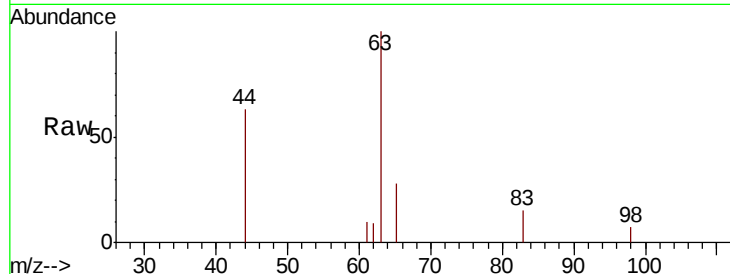
#19
 1,1-Dichloroethane
 Concen: 0.343 ug/L
 RT: 3.45 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.3	21.8	40.4
83	15.4	9.4	17.4

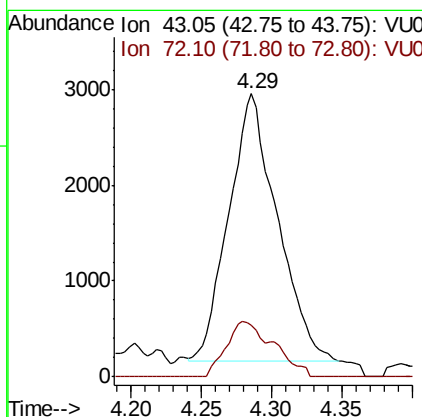
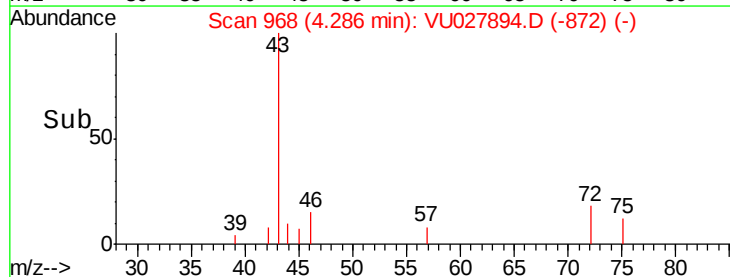
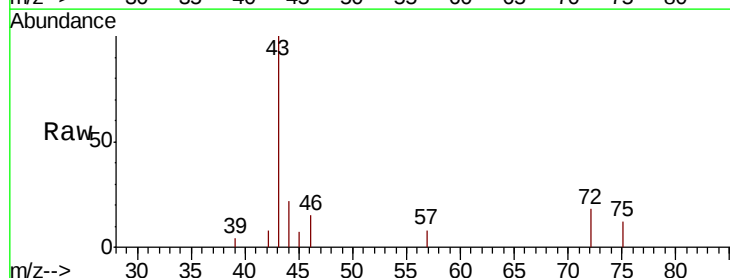
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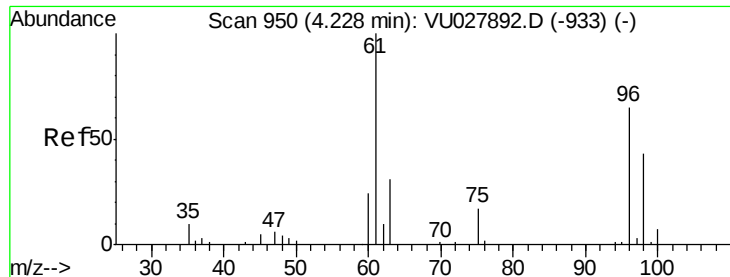
MMDadoda
 11/5/2018 4:10:20 PM



#21
 2-Butanone
 Concen: 3.200 ug/L m
 RT: 4.29 min Scan# 968
 Delta R.T. 0.01 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.2	10.9	32.9





#22

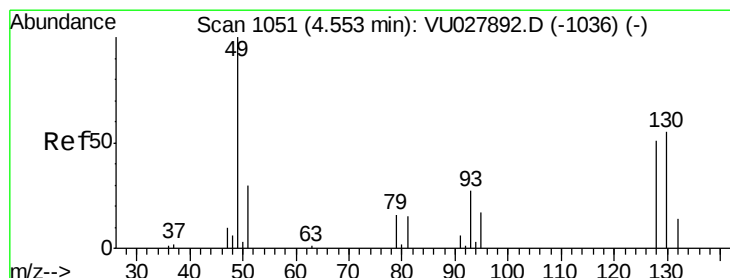
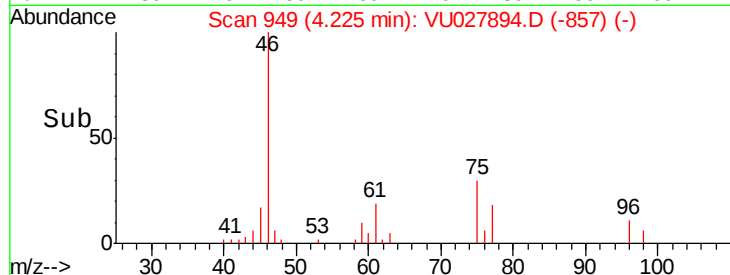
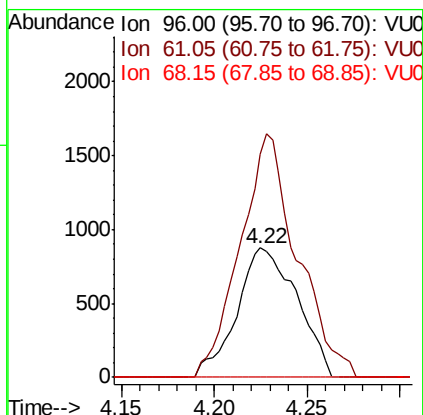
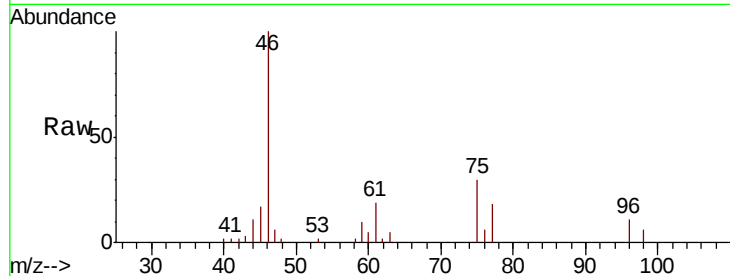
cis-1,2-Dichloroethene
Concen: 0.315 ug/L
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	171.9	104.0	193.2
68	0.0	0.0	0.0

Manual Integrations
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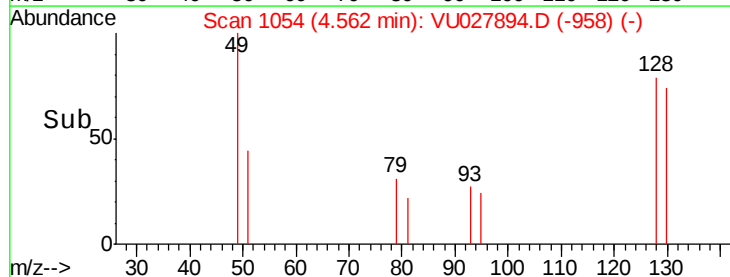
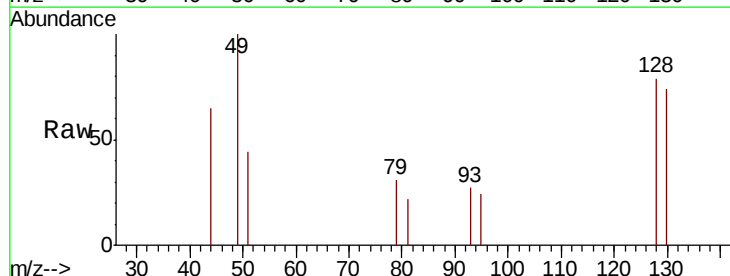
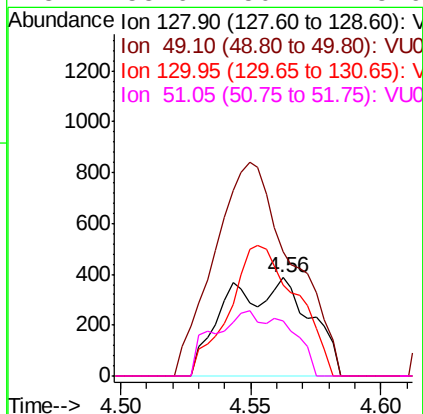
MMDadoda
11/5/2018 4:10:20 PM

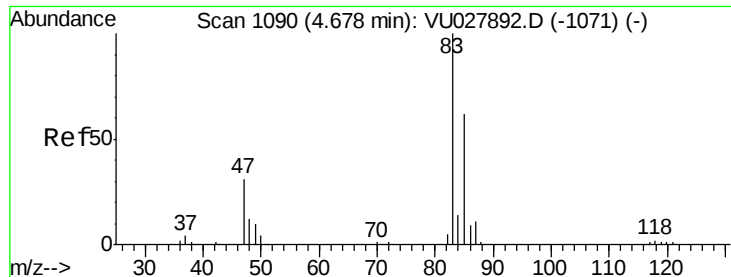


#23

Bromochloromethane
Concen: 0.330 ug/L m
RT: 4.56 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
128	100		
49	125.8	142.0	263.8#
130	92.8	86.1	159.9
51	55.6	50.4	75.6





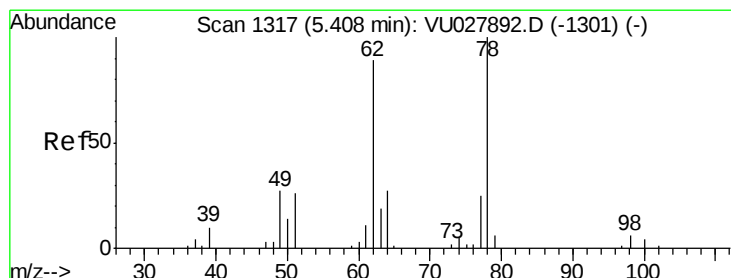
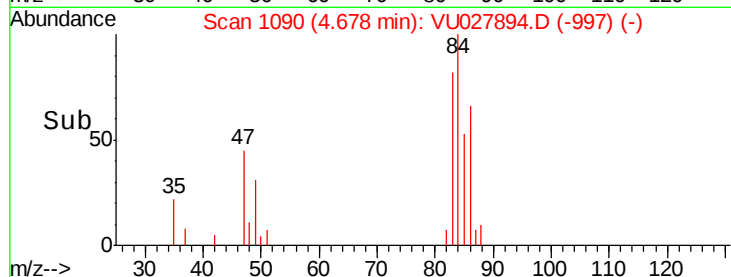
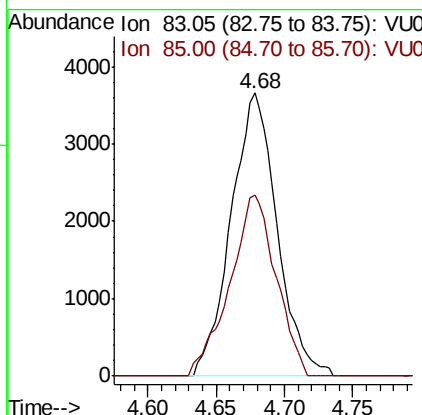
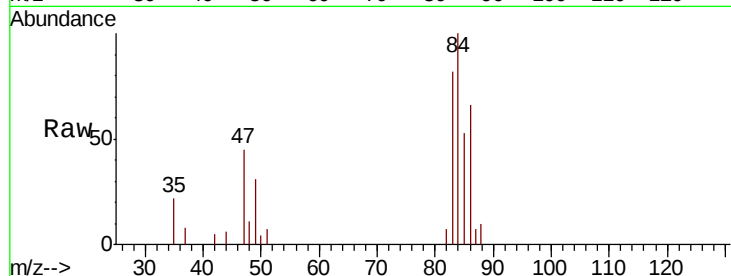
#25
Chloroform
Concen: 0.740 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	83	85	Ratio	Lower	Upper
83	100				
85	64.1			44.0	81.8

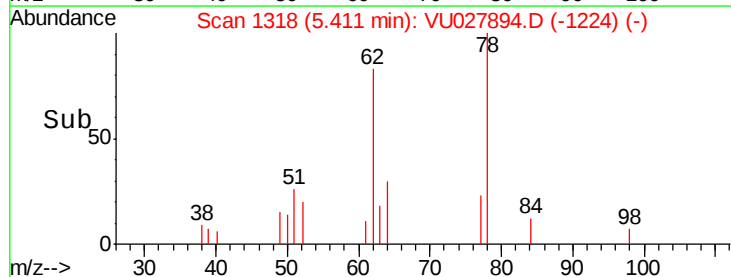
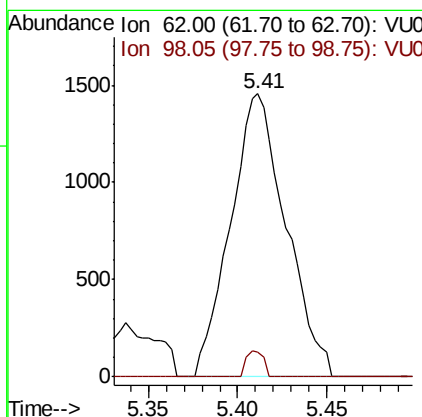
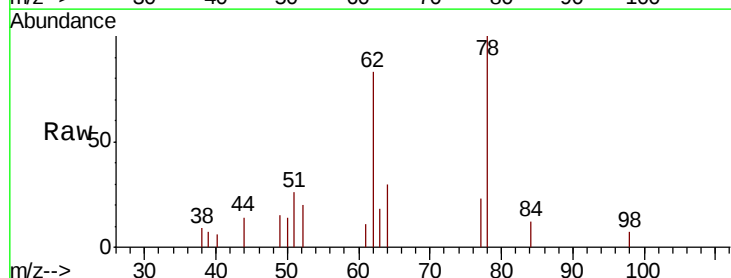
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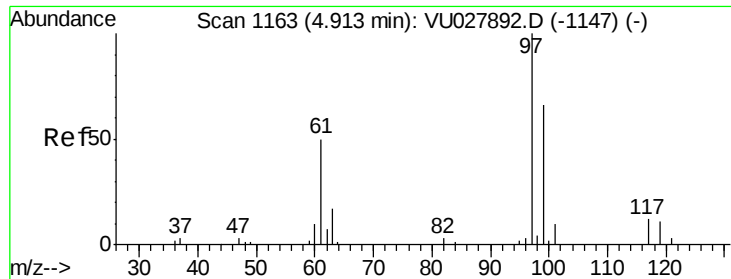
MMDadoda
11/5/2018 4:10:20 PM



#27
1,2-Dichloroethane
Concen: 0.390 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion	62	98	Ratio	Lower	Upper
62	100				
98	8.9			6.3	9.5





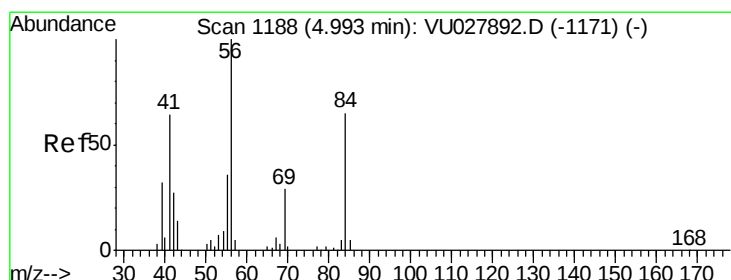
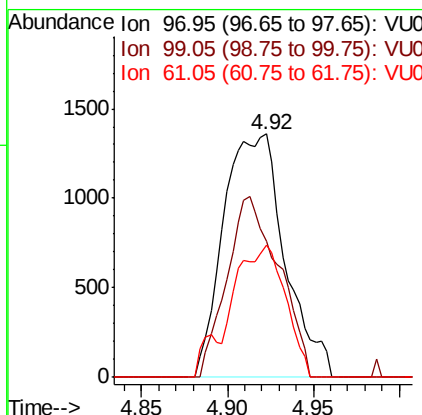
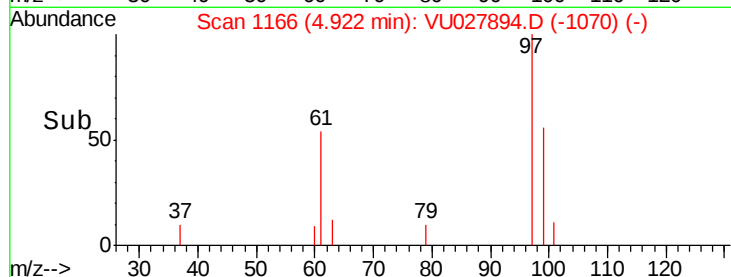
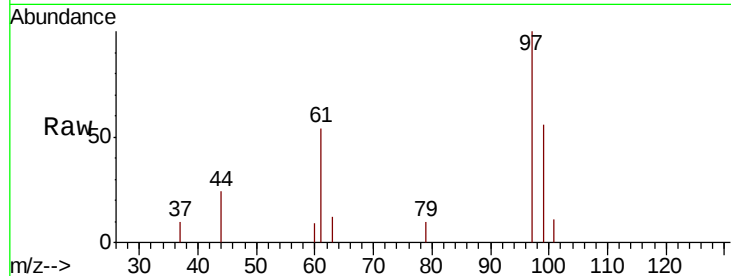
#29
1,1,1-Trichloroethane
Concen: 0.342 ug/L
RT: 4.92 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.6	76.0
61	43.1	35.8	53.6

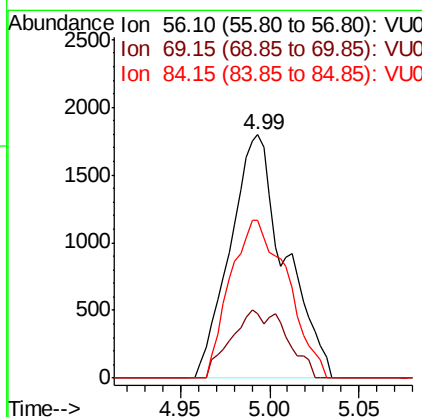
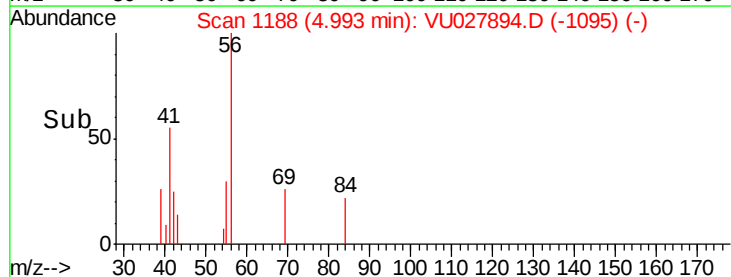
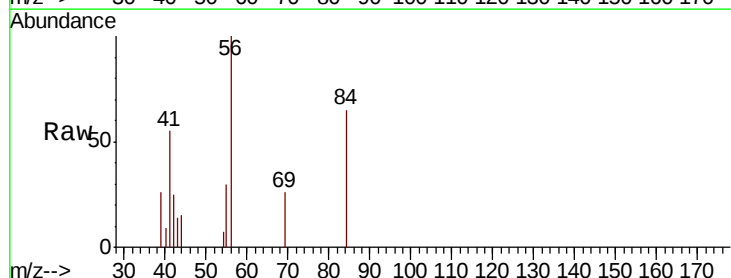
Manual Integrations
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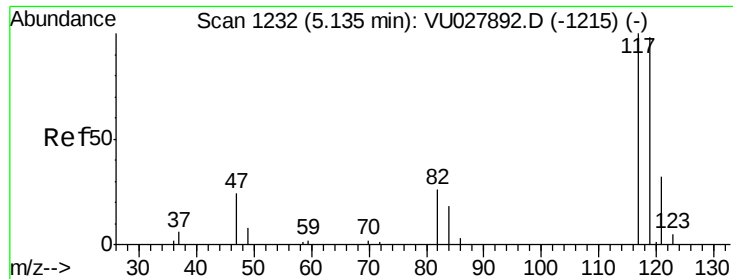
MMDadoda
11/5/2018 4:10:20 PM



#30
Cyclohexane
Concen: 0.331 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
56	100		
69	16.7	22.7	34.1#
84	68.0	58.1	87.1





#31

Carbon tetrachloride

Concen: 0.349 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion:117 Resp: 2949

Ion Ratio Lower Upper

117 100

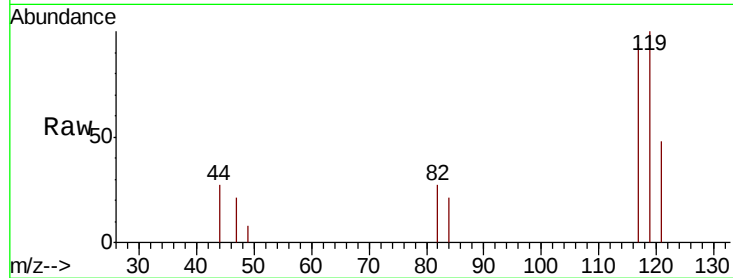
119 92.3 77.1 115.7

Manual Integrations

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.13

1500

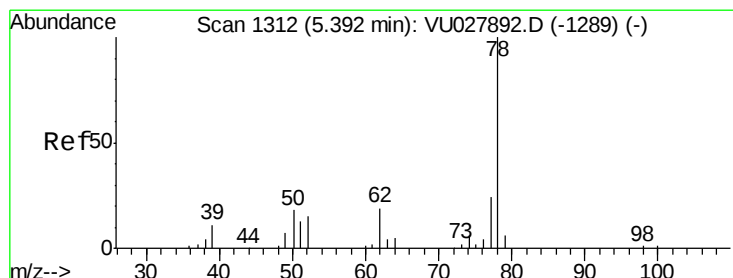
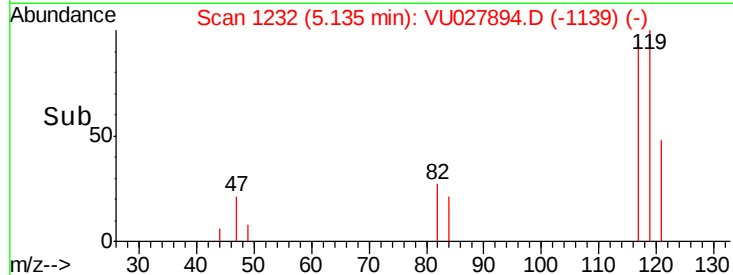
1000

500

0

Time-->

5.10 5.15 5.20



#33

Benzene

Concen: 0.357 ug/L

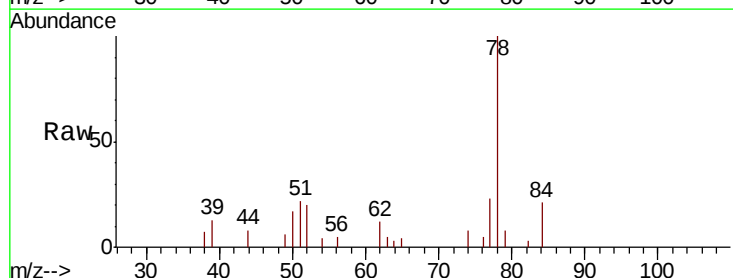
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Tgt Ion: 78 Resp: 8617



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.39

4000

3000

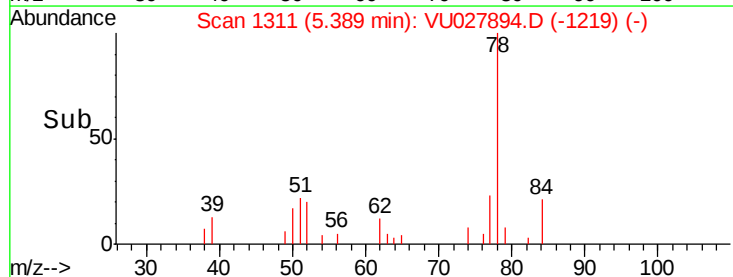
2000

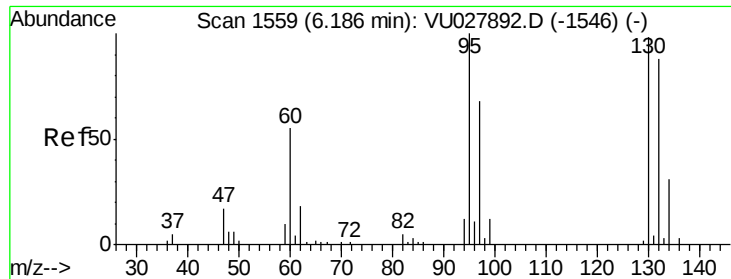
1000

0

Time-->

5.35 5.40 5.45





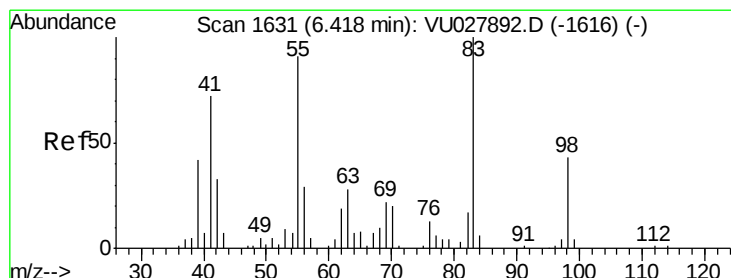
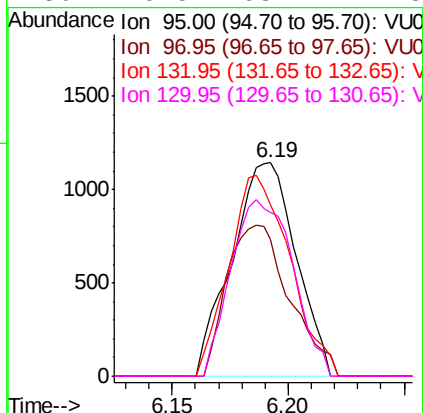
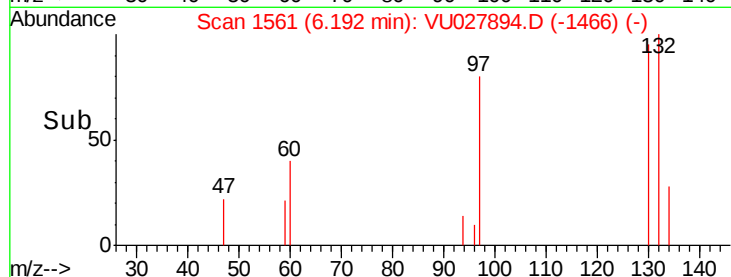
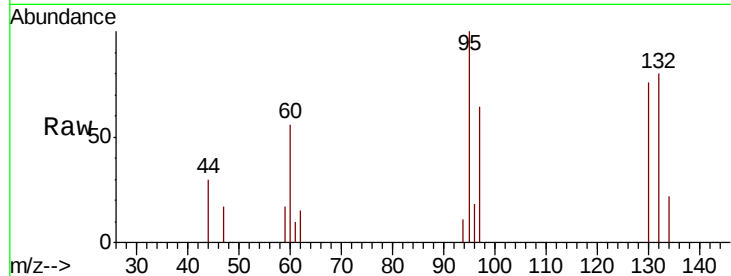
#34
 Trichloroethene
 Concen: 0.349 ug/L
 RT: 6.19 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion:	95	Resp:	2197
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.0	81.6
132	80.2	63.3	117.5
130	76.5	63.1	117.3

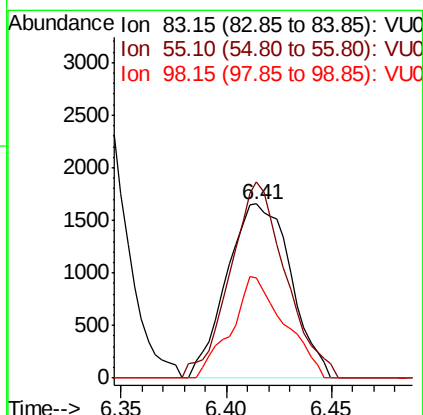
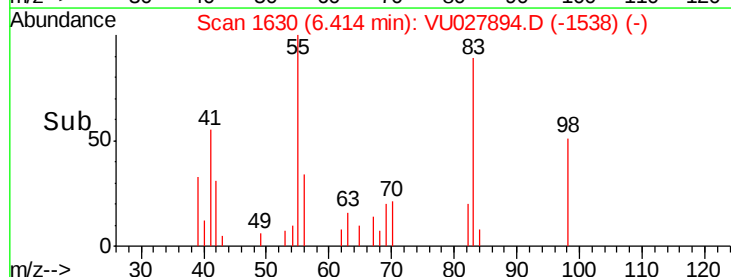
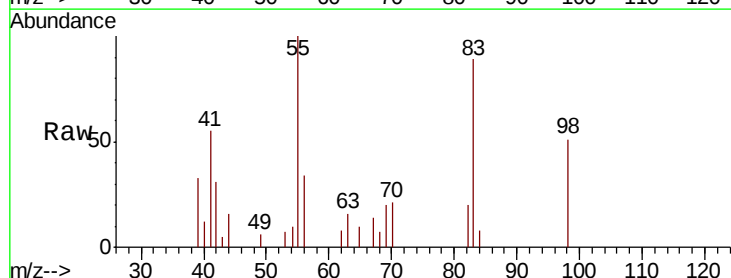
Manual Integrations
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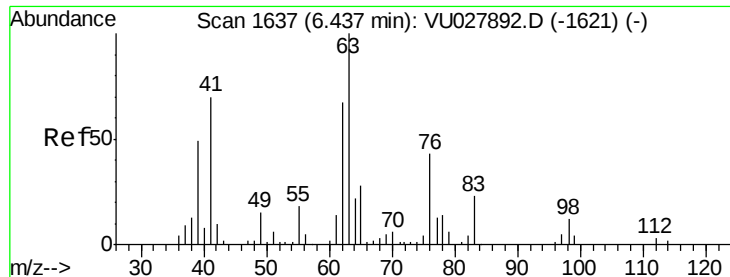
MMDadoda
 11/5/2018 4:10:20 PM



#35
 Methylcyclohexane
 Concen: 0.328 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion:	83	Resp:	3507
Ion	Ratio	Lower	Upper
83	100		
55	97.2	73.4	110.0
98	48.2	35.3	52.9





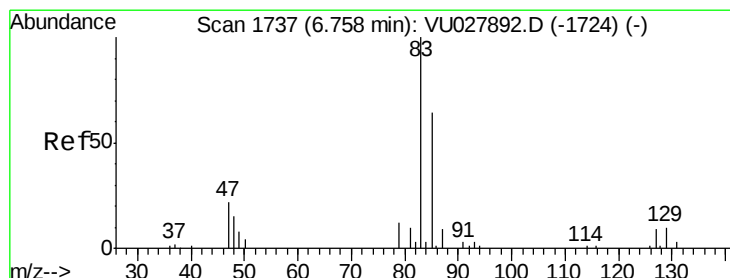
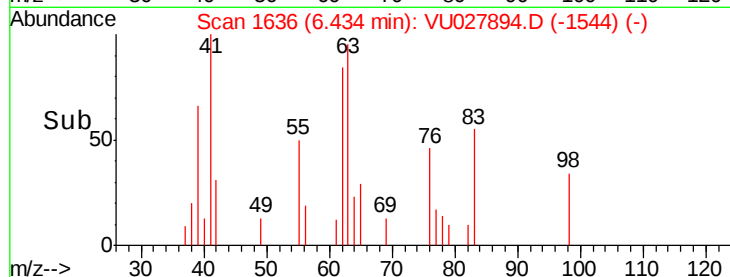
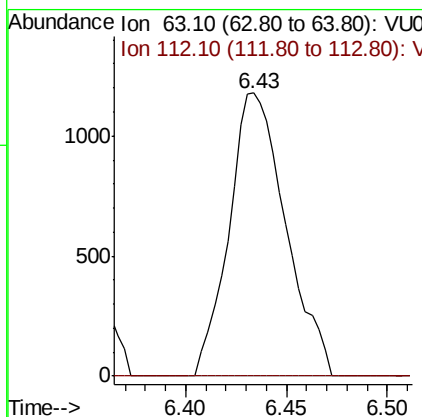
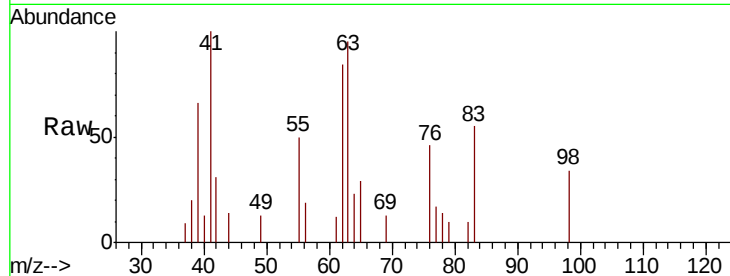
#37
 1,2-Dichloropropane
 Concen: 0.336 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion: 63 Resp: 2310
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#

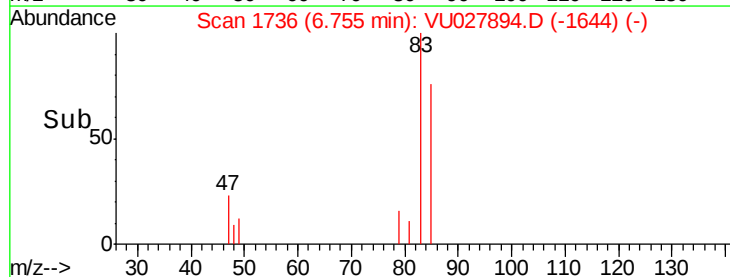
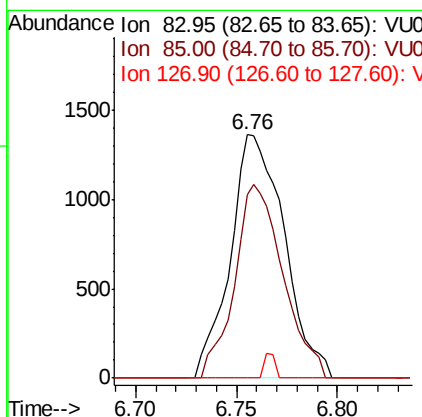
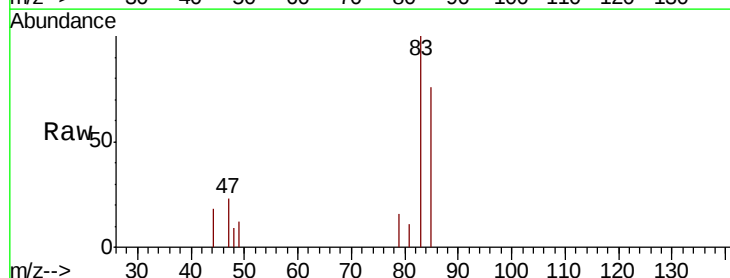
Manual Integrations
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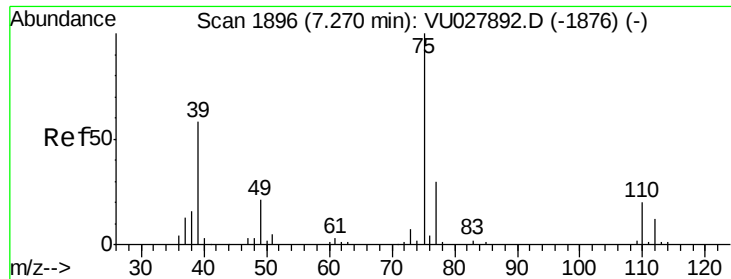
MMDadoda
 11/5/2018 4:10:20 PM



#38
 Bromodichloromethane
 Concen: 0.316 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 83 Resp: 2546
 Ion Ratio Lower Upper
 83 100
 85 75.5 43.8 81.4
 127 0.0 6.4 9.6#





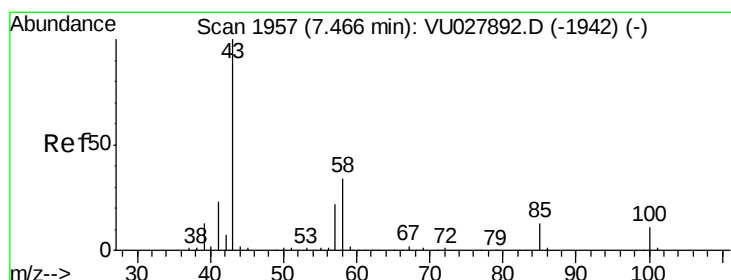
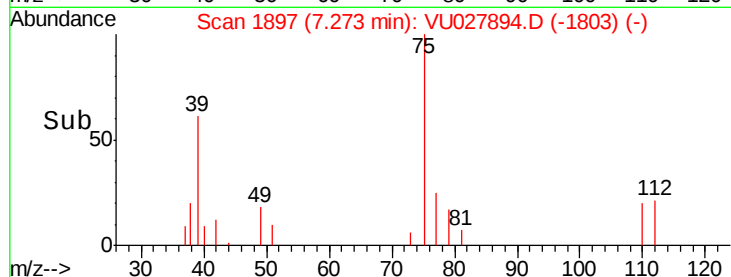
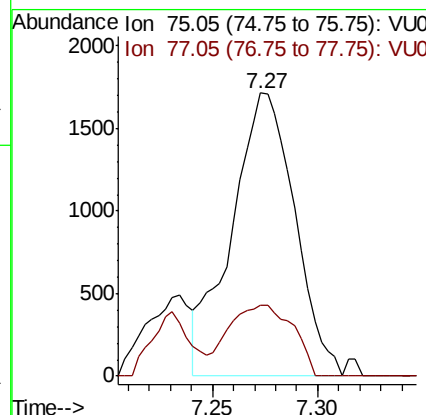
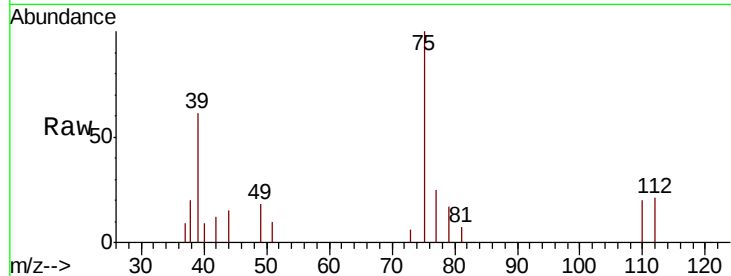
#39
 cis-1,3-Dichloropropene
 Concen: 0.363 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
75	100		
77	25.2	22.2	41.2

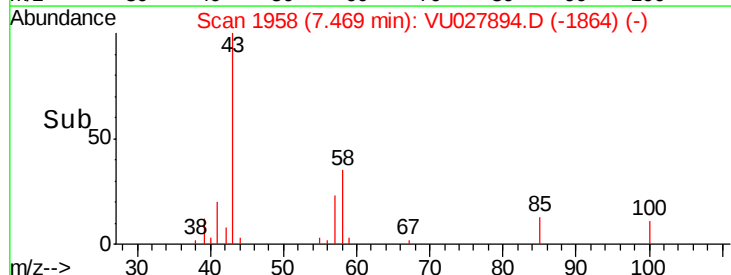
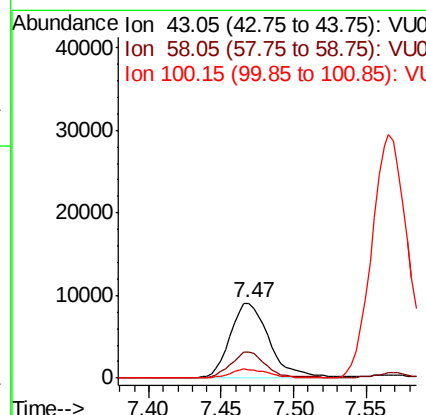
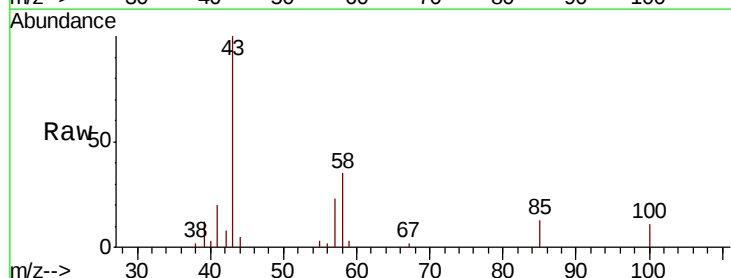
Manual Integrations
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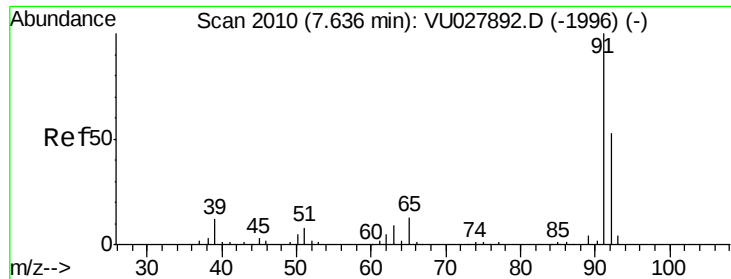
MMDadoda
 11/5/2018 4:10:20 PM



#40
 4-Methyl-2-pentanone
 Concen: 3.504 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.6	28.5	42.7
100	11.2	8.8	13.2





#42

Toluene

Concen: 0.348 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 91 Resp: 8808

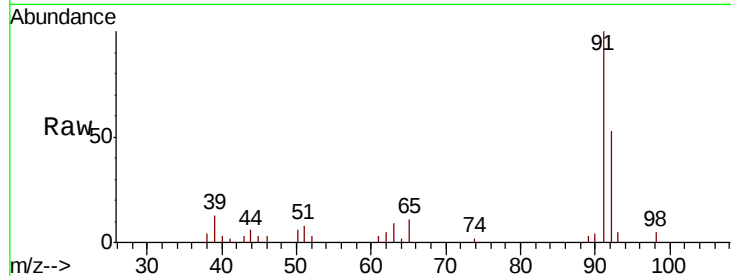
Ion Ratio Lower Upper

91 100

92 53.2 40.3 74.9

Manual Integrations
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MMDadoda
11/5/2018 4:10:20 PM



Abundance Ion 91.15 (90.85 to 91.85): VU027892.D (-1996) (-)

Ion 92.15 (91.85 to 92.85): VU027892.D (-1996) (-)

7.64

5000

4000

3000

2000

1000

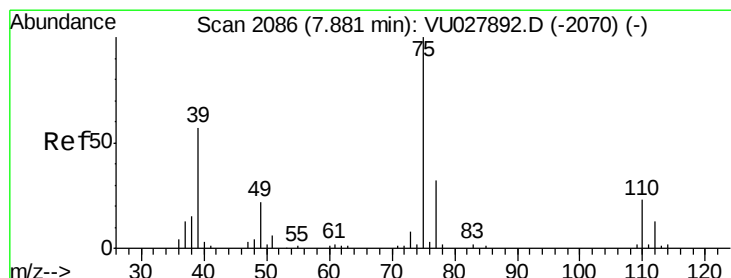
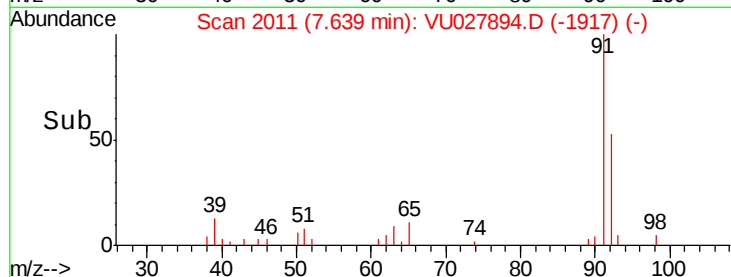
0

7.60

7.65

7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.325 ug/L m

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027894.D

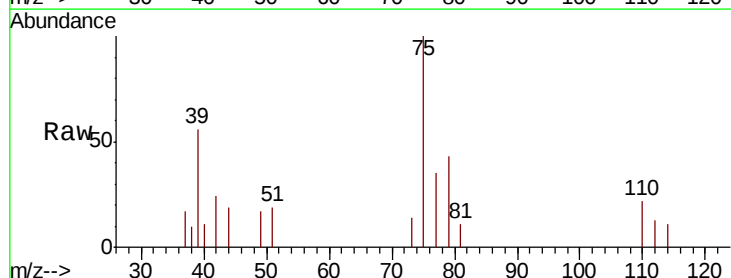
Acq: 01 Nov 2018 11:13

Tgt Ion: 75 Resp: 2752

Ion Ratio Lower Upper

75 100

77 35.2 20.5 38.1



Abundance Ion 75.05 (74.75 to 75.75): VU027892.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU027892.D (-2070) (-)

7.88

1500

1000

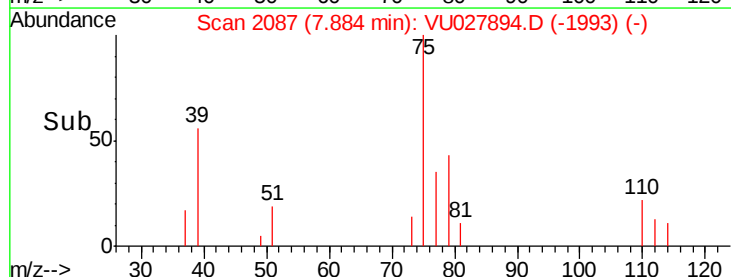
500

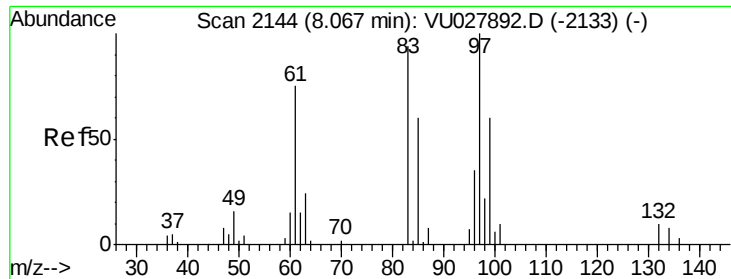
0

7.85

7.90

Time-->





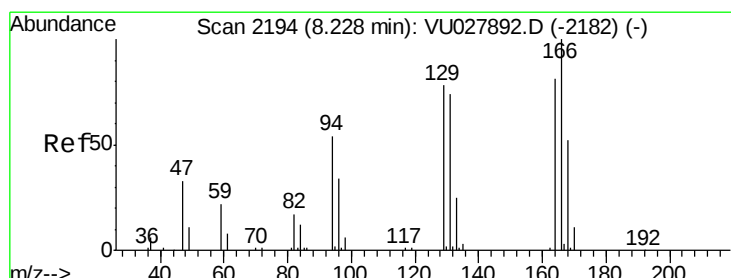
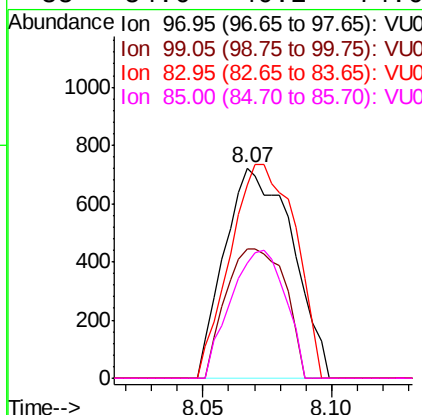
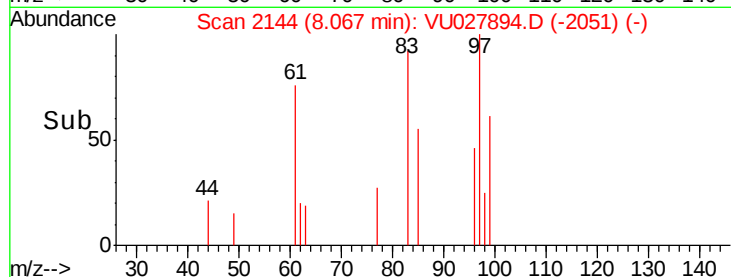
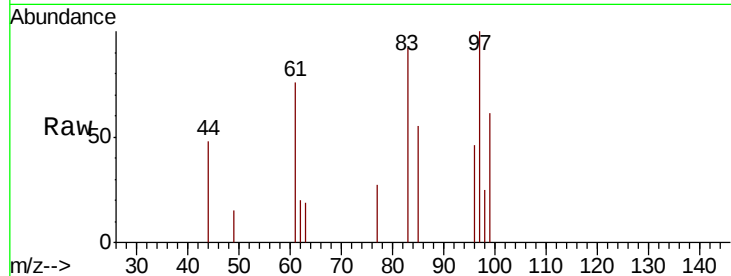
#45
1,1,2-Trichloroethane
Concen: 0.312 ug/L
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion:	97	Resp:	1322
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.9	79.7
83	92.2	62.2	115.6
85	54.6	40.2	74.6

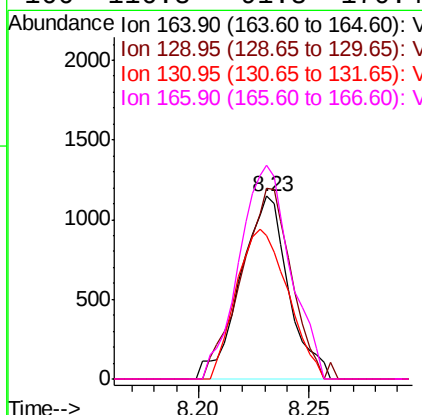
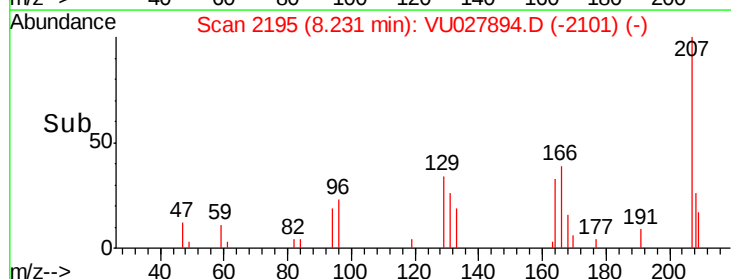
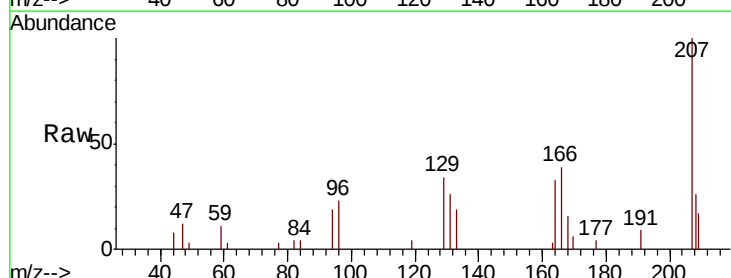
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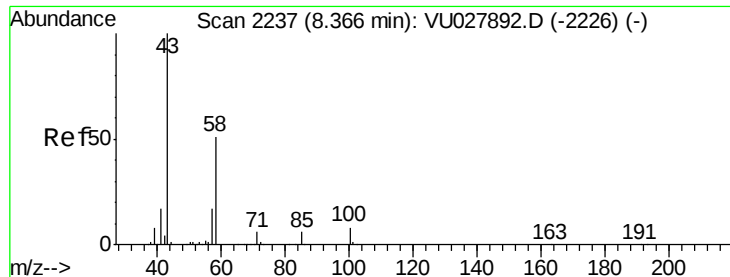
MMDadoda
11/5/2018 4:10:20 PM



#47
Tetrachloroethene
Concen: 0.359 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion:	164	Resp:	1736
Ion	Ratio	Lower	Upper
164	100		
129	104.1	64.9	120.5
131	78.5	64.3	119.5
166	116.8	91.8	170.4





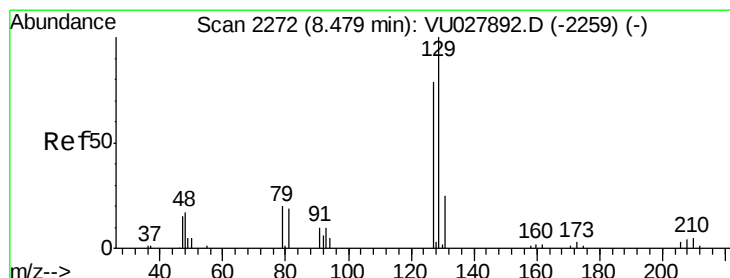
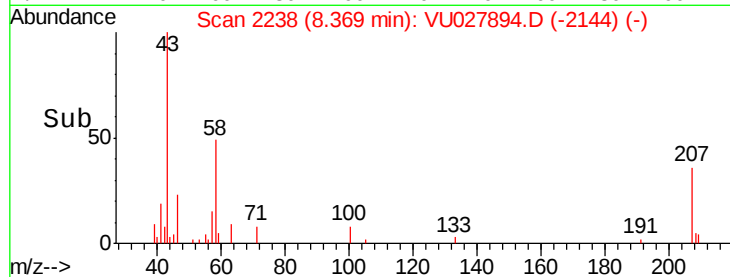
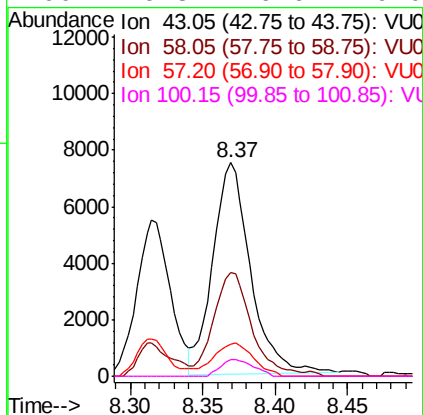
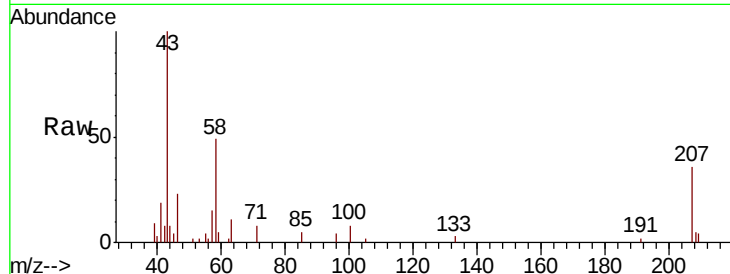
#48
2-Hexanone
Concen: 3.844 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion:	43	Resp:	13475
Ion	Ratio	Lower	Upper
43	100		
58	50.2	38.9	58.3
57	16.5	13.3	19.9
100	6.8	6.6	10.0

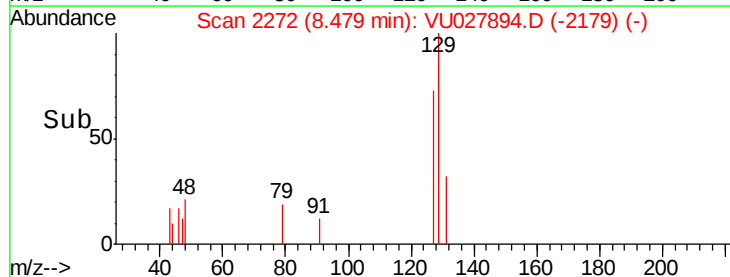
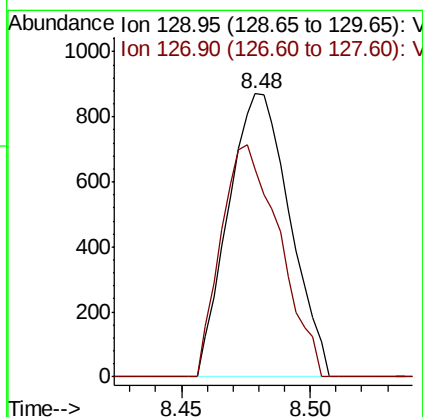
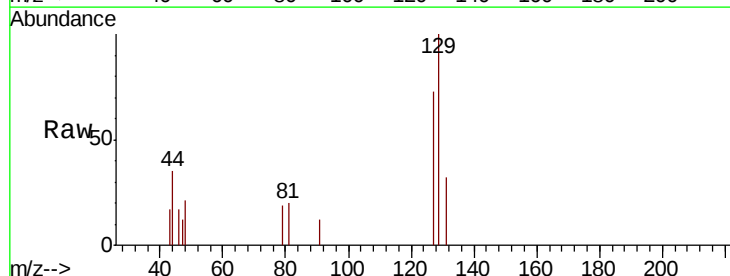
Manual Integrations
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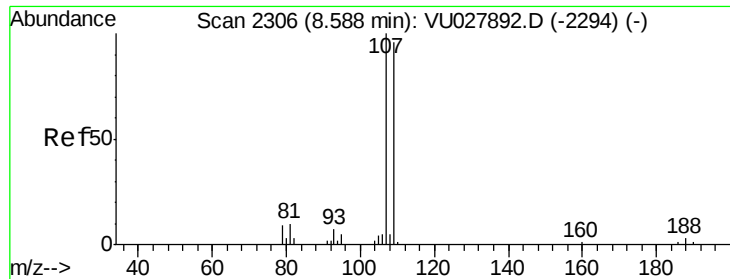
MMDadoda
11/5/2018 4:10:20 PM



#49
Dibromochloromethane
Concen: 0.282 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion:	129	Resp:	1444
Ion	Ratio	Lower	Upper
129	100		
127	73.5	54.5	101.1





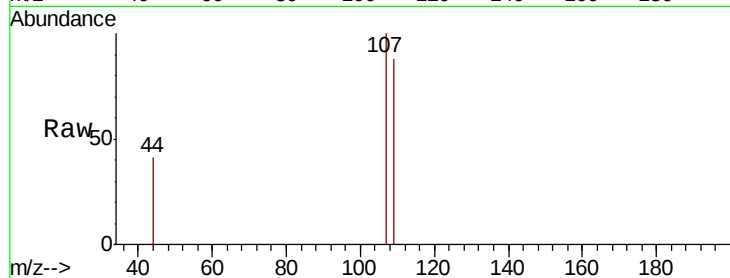
#50
 1,2-Dibromoethane
 Concen: 0.322 ug/L
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.4	68.0	126.4
188	0.0	2.7	4.1#

Manual Integrations
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MMDadoda
 11/5/2018 4:10:20 PM

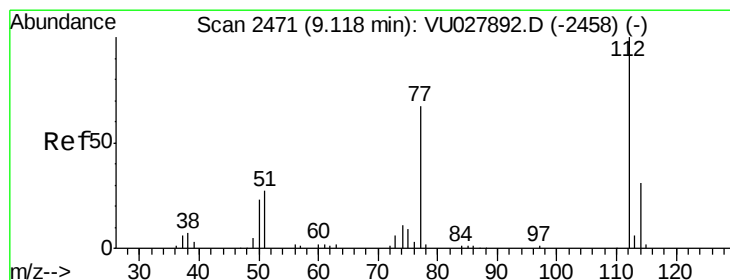
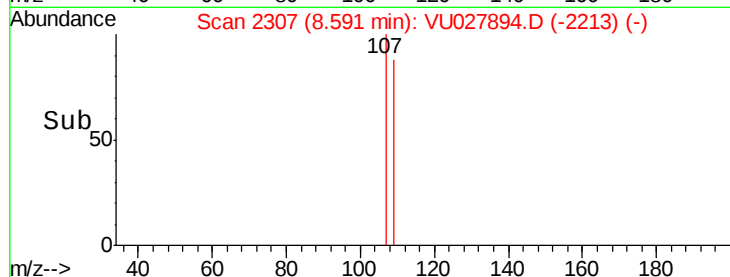
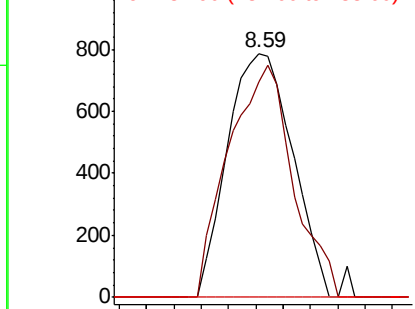


Abundance

Ion 106.95 (106.65 to 107.65): V

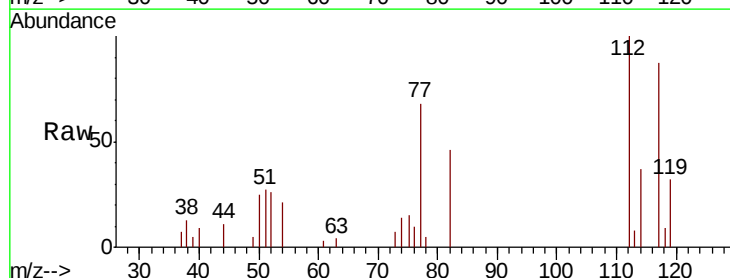
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 0.326 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.7	22.0	41.0
77	68.2	54.3	81.5

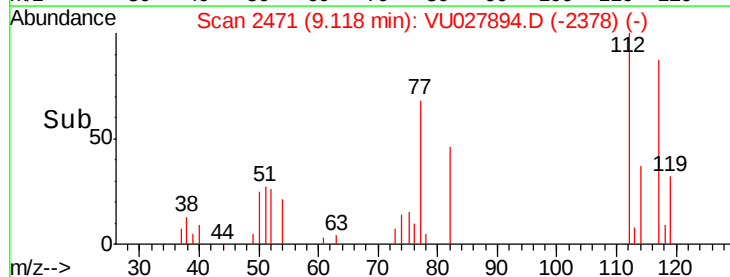
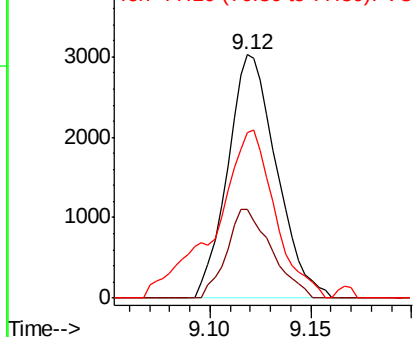


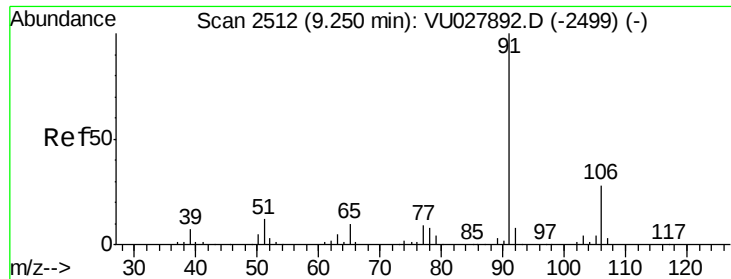
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.343 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Tot Ion: 91 Resp: 9883

Ion Ratio Lower Upper

91 100

106 31.4 21.5 39.9

Instrument :

MSVOA_U

ClientSampled :

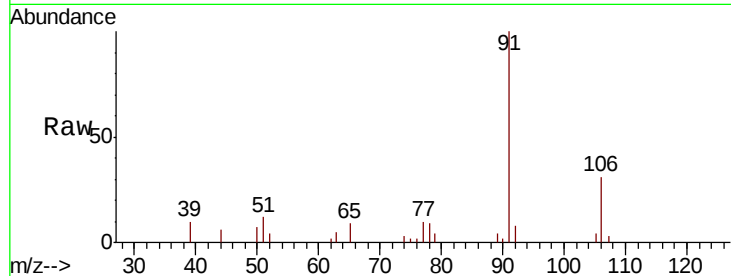
MDL01

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Abundance Ion 91.15 (90.85 to 91.85): VU027892.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027894.D (-2419) (-)

6000

4000

2000

0

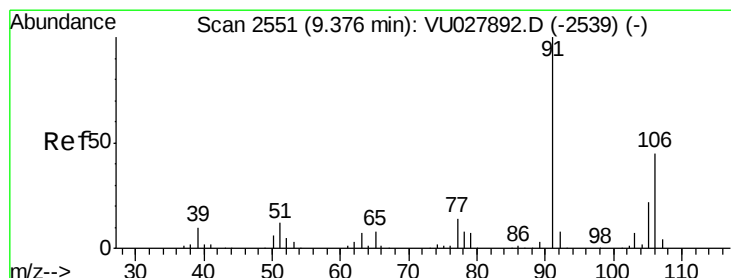
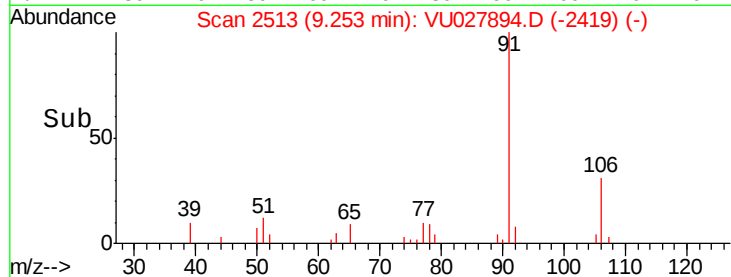
9.25

9.20

9.25

9.30

Time-->



#53

m,p-xylene

Concen: 0.330 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027894.D

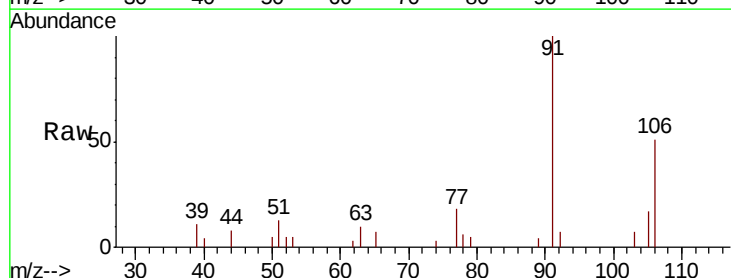
Acq: 01 Nov 2018 11:13

Tgt Ion: 106 Resp: 3451

Ion Ratio Lower Upper

106 100

91 194.7 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027892.D (-2539) (-)

Ion 91.15 (90.85 to 91.85): VU027894.D (-2458) (-)

5000

4000

3000

2000

1000

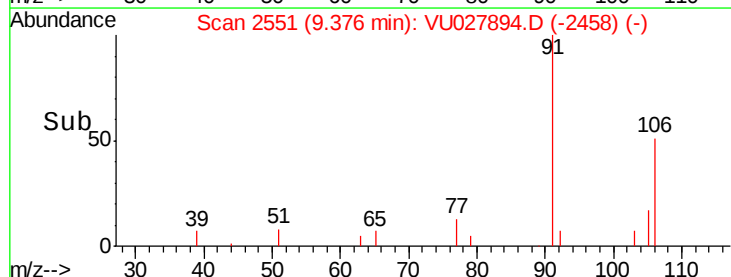
0

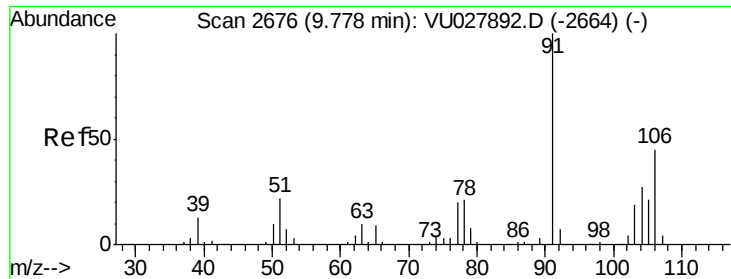
9.38

9.35

9.40

Time-->





#54

o-xylene

Concen: 0.329 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion:106 Resp: 3374

Ion Ratio Lower Upper

106 100

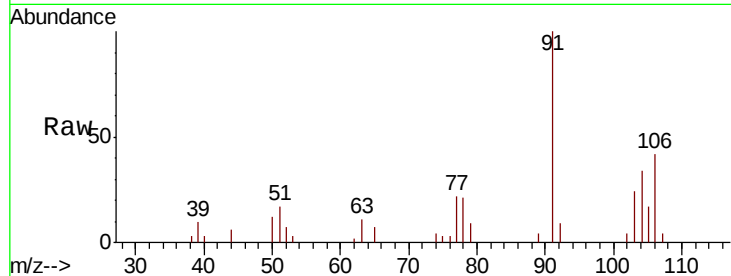
91 236.4 158.3 293.9

Manual Integrations

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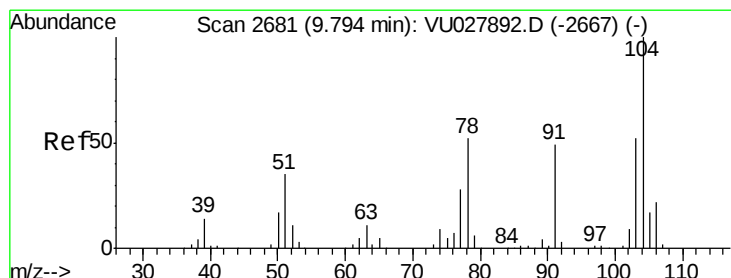
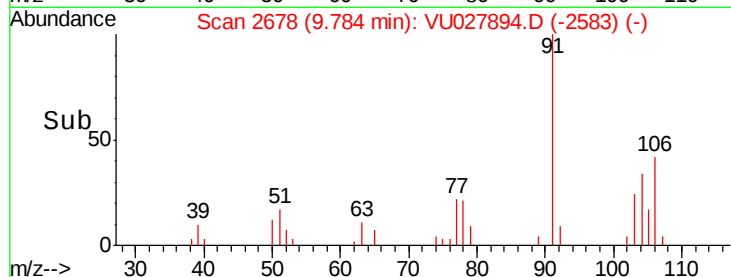
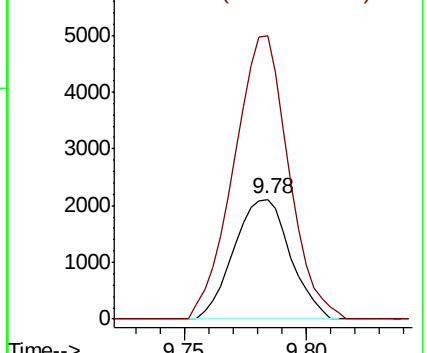
MMDadoda

11/5/2018 4:10:20 PM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.327 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027894.D

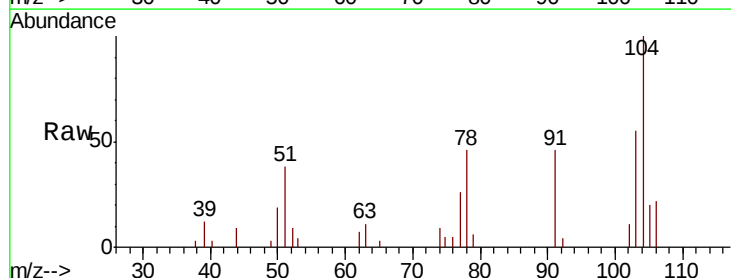
Acq: 01 Nov 2018 11:13

Tgt Ion:104 Resp: 5630

Ion Ratio Lower Upper

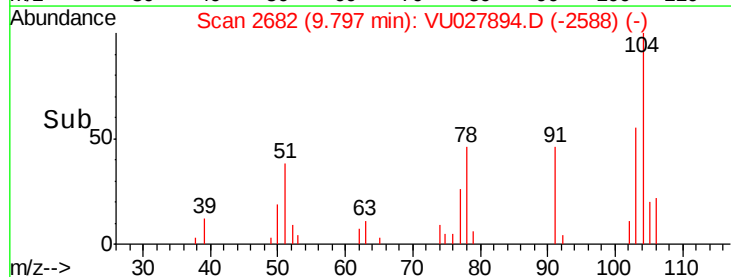
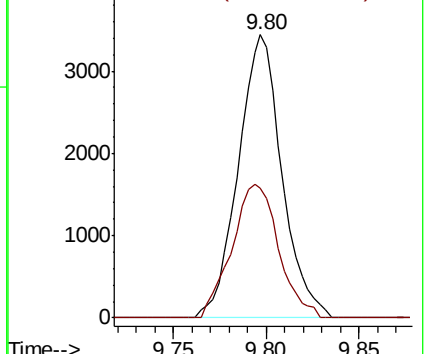
104 100

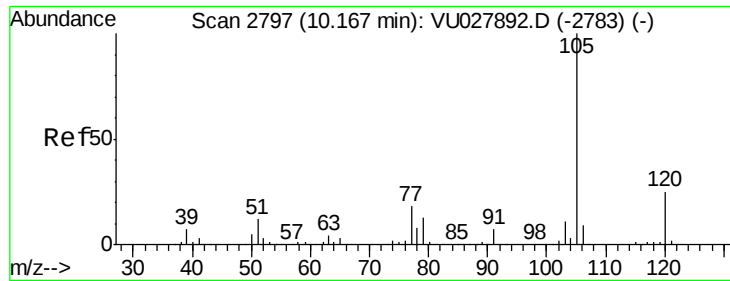
78 45.9 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.323 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Instrument :

MSVOA_U

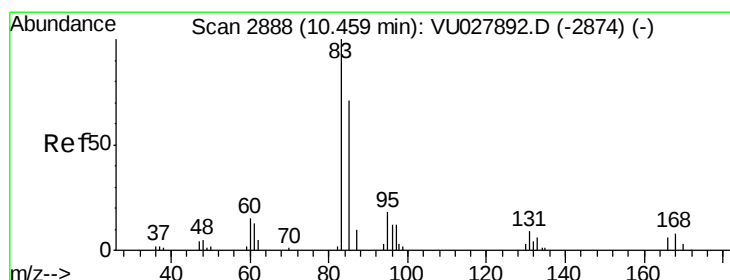
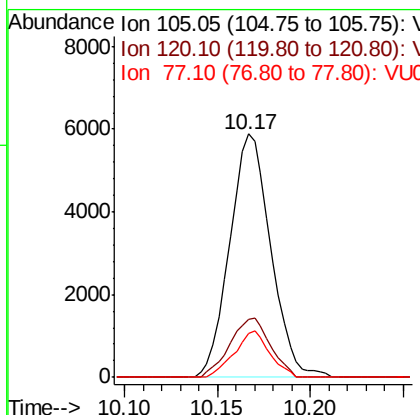
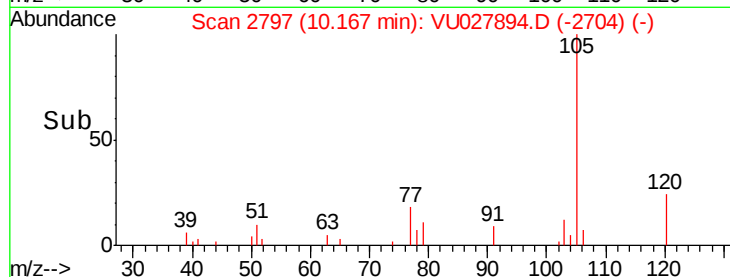
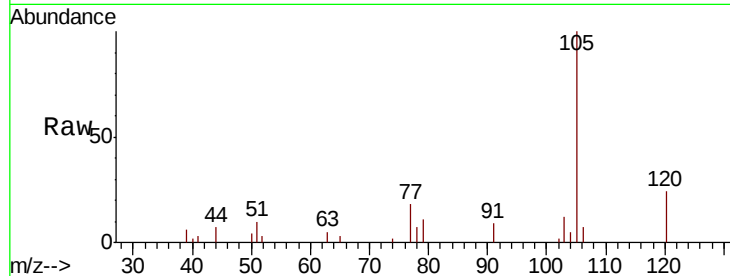
ClientSampled :

MDL01

Tot Ion:	105	Resp:	9038
Ion Ratio	Lower	Upper	
105	100		
120	23.8	20.2	30.2
77	16.4	13.4	20.2

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 0.343 ug/L

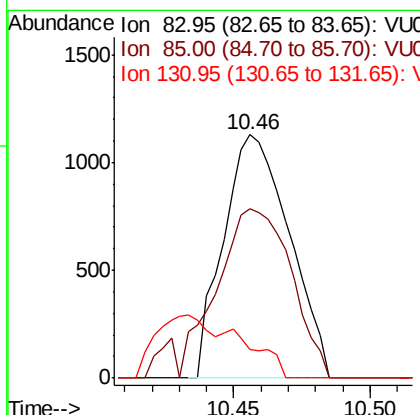
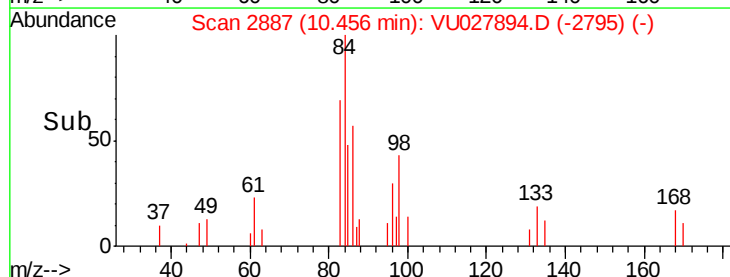
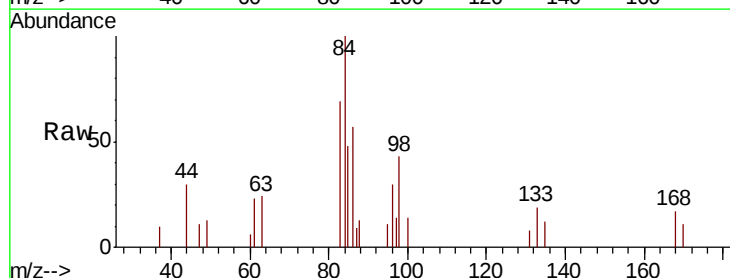
RT: 10.46 min Scan# 2887

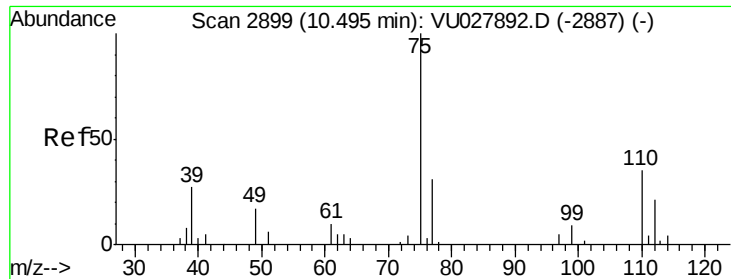
Delta R.T. -0.00 min

Lab File: VU027894.D

Acq: 01 Nov 2018 11:13

Tgt Ion:	83	Resp:	1894
Ion Ratio	Lower	Upper	
83	100		
85	69.4	44.4	82.4
131	11.7	6.8	10.2#





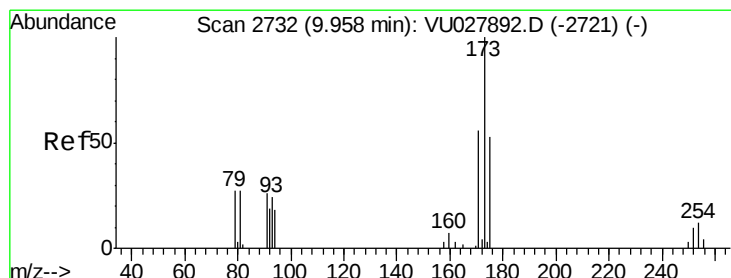
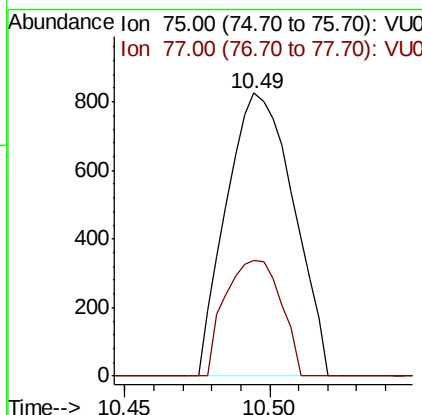
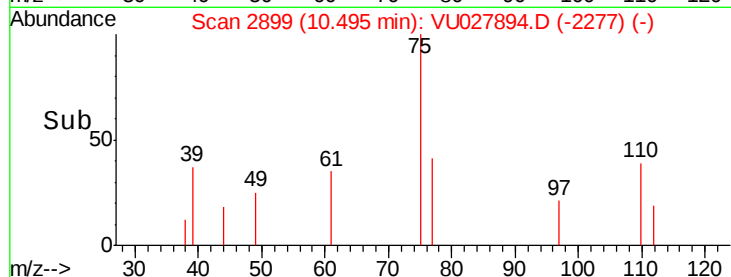
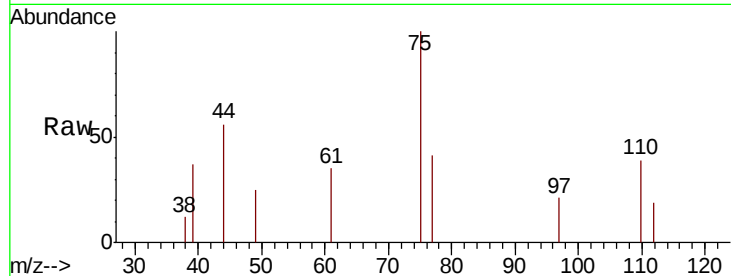
#59
 1,2,3-Trichloropropane
 Concen: 0.319 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 1330
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.8 38.6

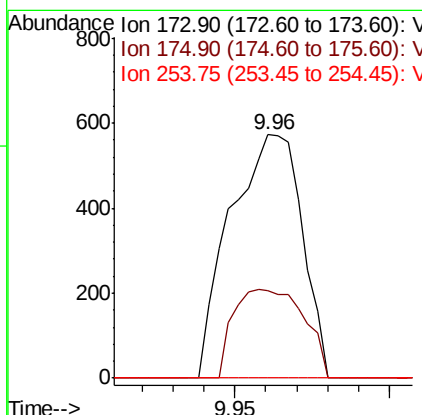
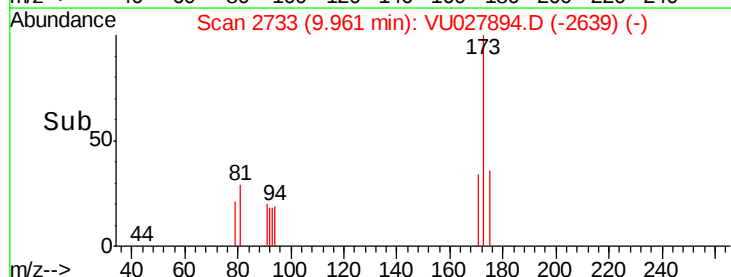
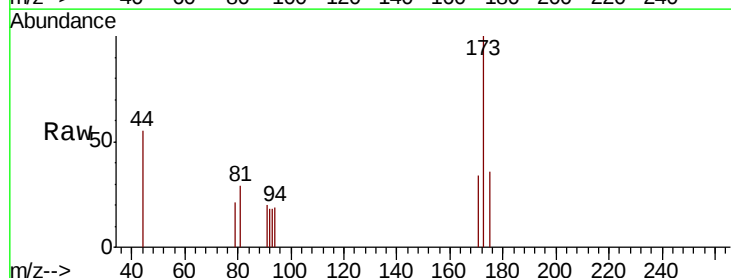
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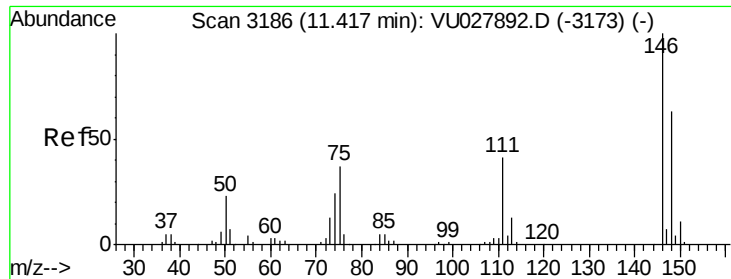
MMDadoda
 11/5/2018 4:10:20 PM



#61
 Bromoform
 Concen: 0.339 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion: 173 Resp: 925
 Ion Ratio Lower Upper
 173 100
 175 35.8 38.3 57.5#
 254 0.0 7.8 11.6#





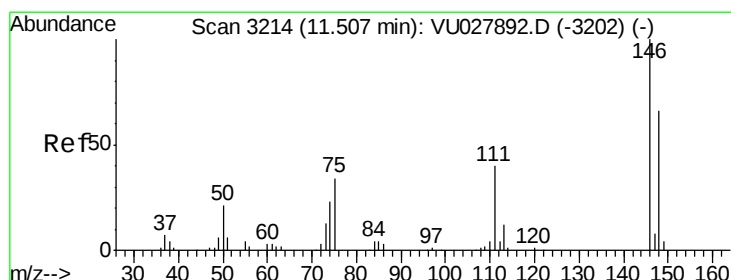
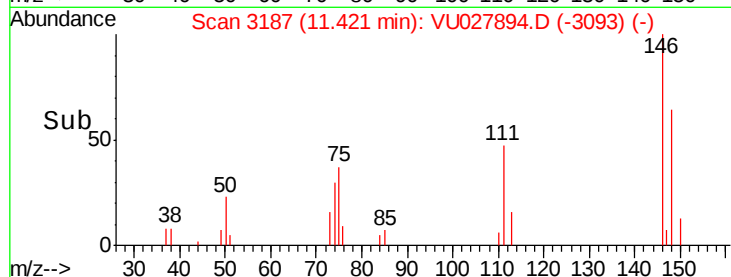
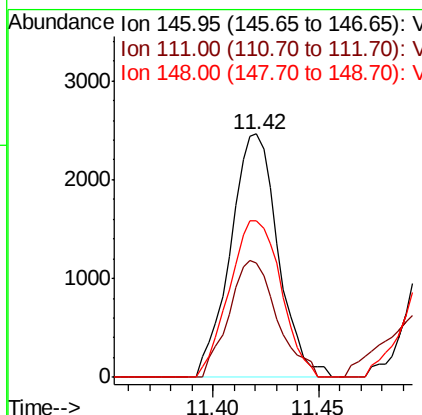
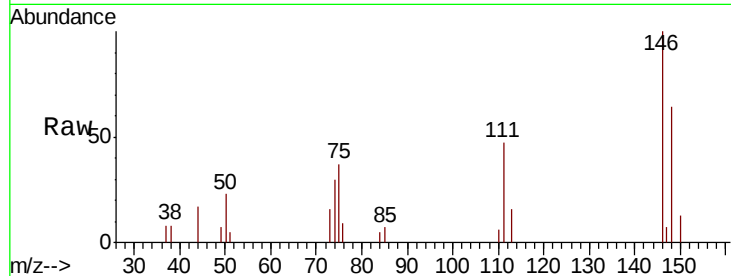
#62
 1,3-Dichlorobenzene
 Concen: 0.324 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	27.4	51.0
148	64.2	42.6	79.0

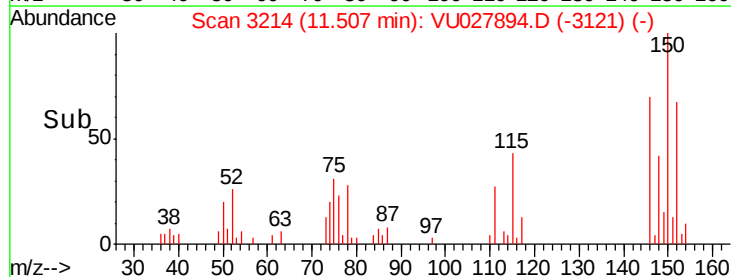
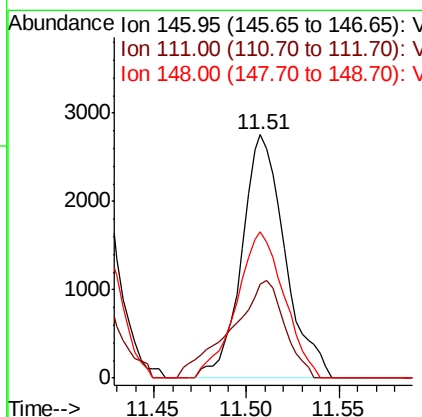
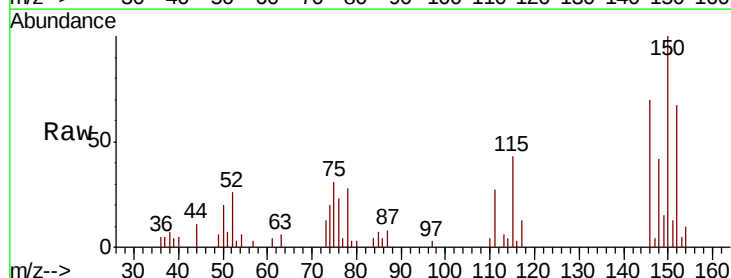
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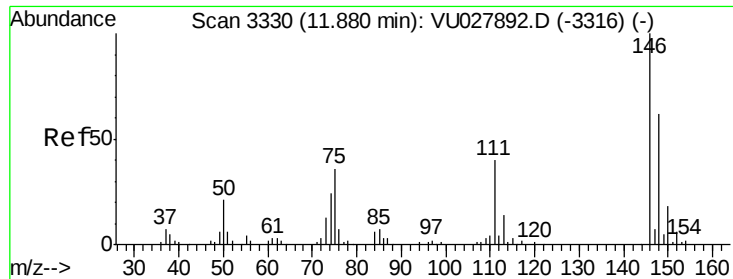
MMDadoda
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#63
 1,4-Dichlorobenzene
 Concen: 0.374 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	27.4	51.0
148	60.1	43.1	80.1





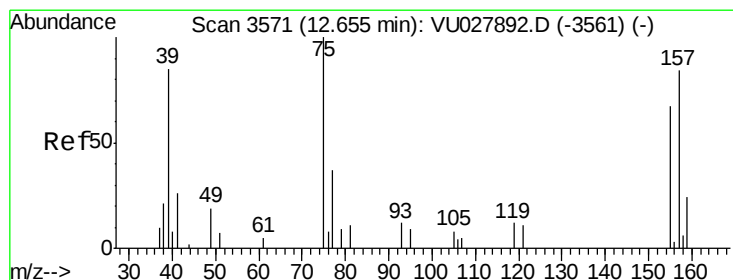
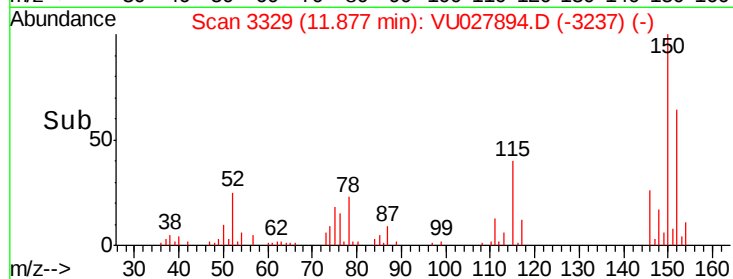
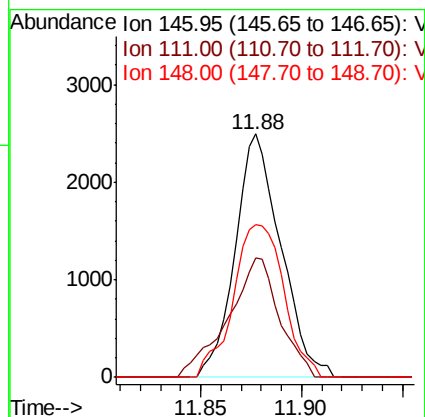
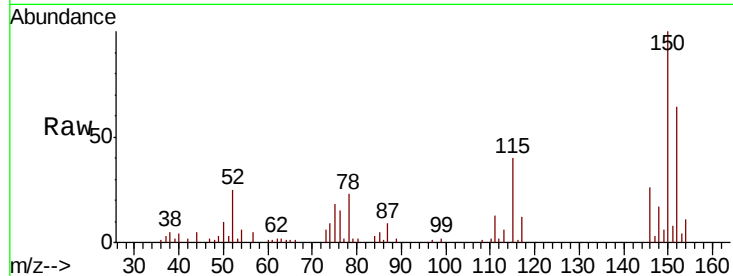
#65
 1,2-Dichlorobenzene
 Concen: 0.351 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	33.0	49.4
148	63.0	49.2	73.8

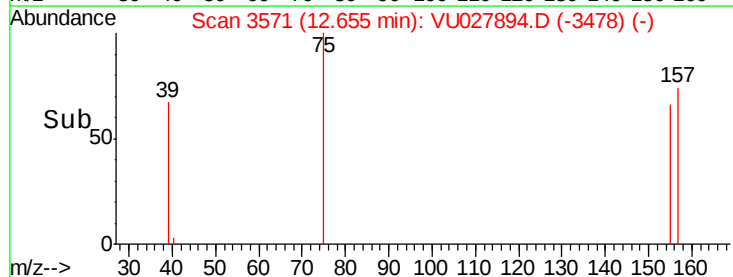
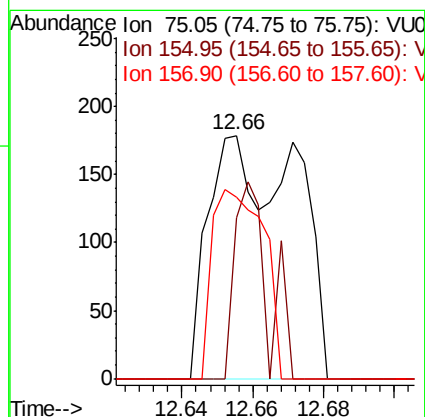
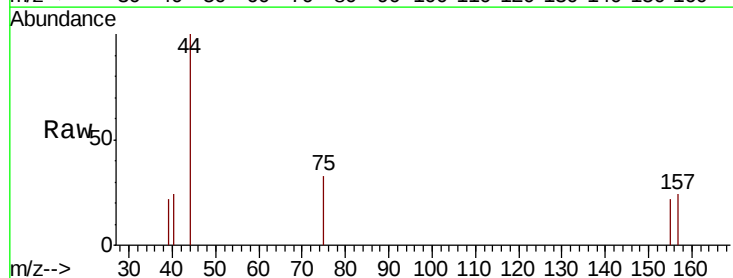
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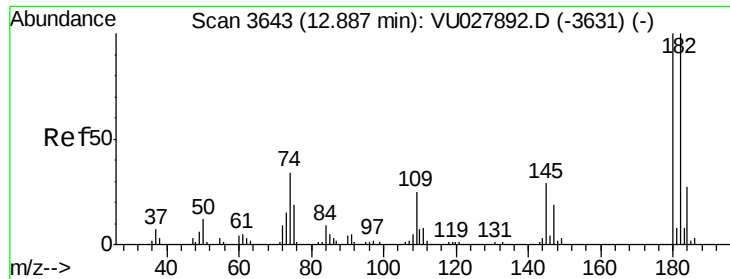
MMDadoda
 11/5/2018 4:10:20 PM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.344 ug/L m
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.9	58.6	87.8
157	74.3	66.7	100.1





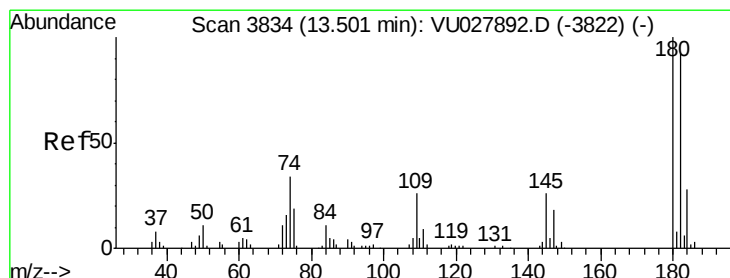
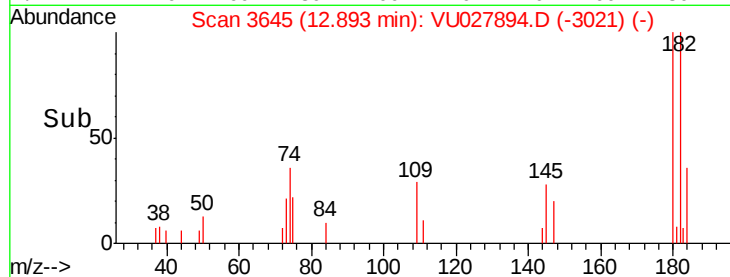
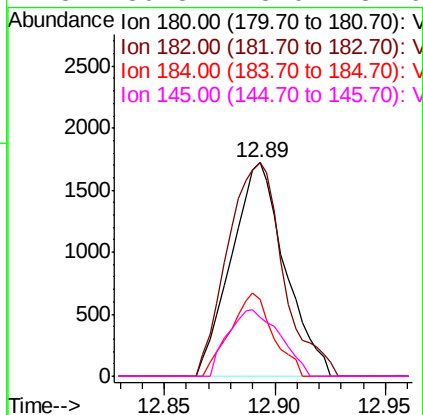
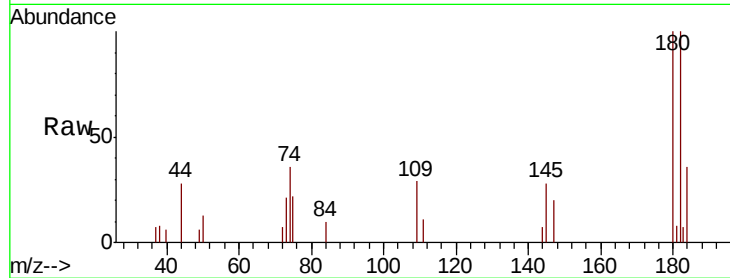
#67
 1,3,5-Trichlorobenzene
 Concen: 0.303 ug/L
 RT: 12.89 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.5	77.3	115.9
184	30.8	24.6	37.0
145	30.3	23.0	34.6

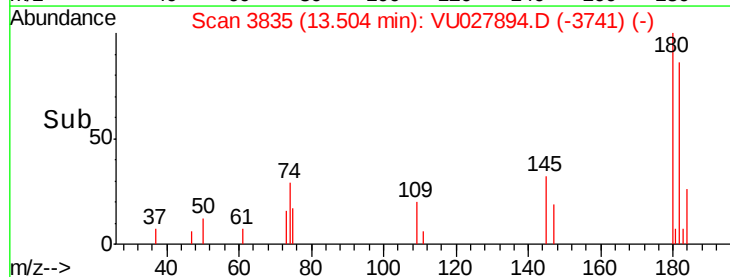
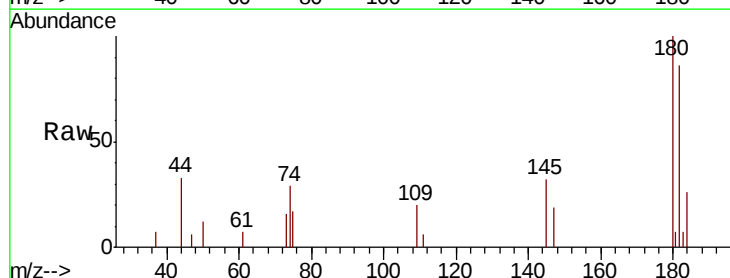
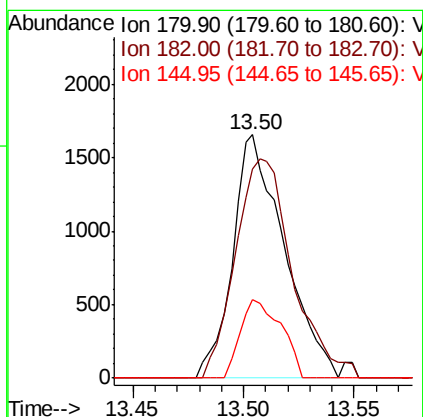
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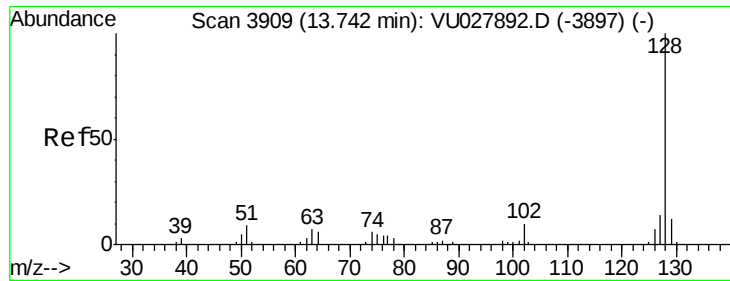
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#68
 1,2,4-trichlorobenzene
 Concen: 0.329 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027894.D
 Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.8	77.8	116.6
145	25.6	22.9	34.3





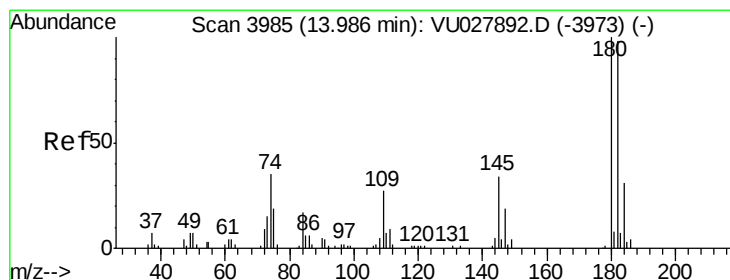
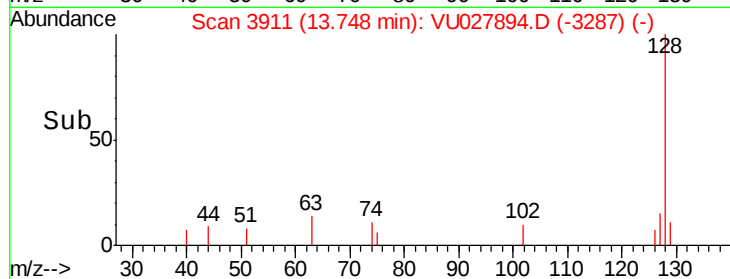
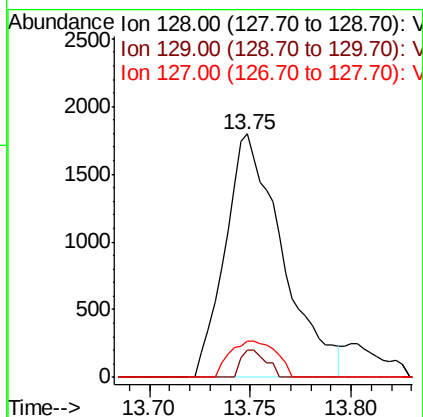
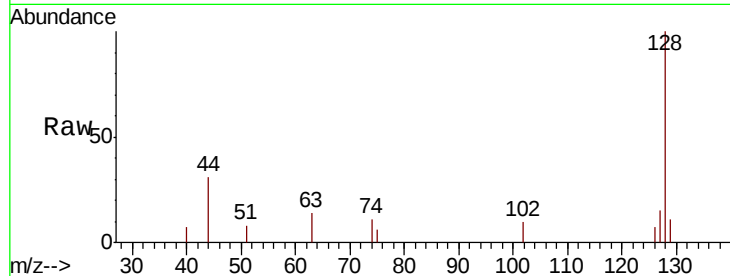
#69
Naphthalene
Concen: 0.280 ug/L
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
129	5.0	8.6	12.8#
127	12.1	10.5	15.7

Manual Integrations
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11/5/2018 4:10:20 PM



#70
1,2,3-Trichlorobenzene
Concen: 0.348 ug/L
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027894.D
Acq: 01 Nov 2018 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.2	79.4	119.0
145	21.3	25.4	38.0#

