

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081919\
 Data File : VU033838.D
 Acq On : 19 Aug 2019 09:52
 Operator : JC/SP
 Sample : MDL06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 8:38:09 AM

Quant Time: Aug 19 15:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 17 01:44:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	178548	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	188717	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	87336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71223	3.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.40%
7) Chloroethane-d5	1.67	69	66409	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.26	65	35652	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.19	46	195267	50.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.02%
24) Chloroform-d	4.62	84	129358	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.29	65	71026	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.32	84	238933	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.31	67	82422	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.55	98	193156	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	7.84	79	30239	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.30	63	130126	44.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.76%
56) 1,1,2,2-Tetrachloroethane-	10.42	84	69912	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
66) 1,2-Dichlorobenzene-d4	11.85	152	81951	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	5917	0.229 ug/L	100
3) Chloromethane	1.32	50	7388	0.275 ug/L	97
5) Vinyl chloride	1.39	62	7717	0.263 ug/L #	69
6) Bromomethane	1.62	94	4746	0.278 ug/L	95
8) Chloroethane	1.69	64	4663	0.270 ug/L	99
9) Trichlorofluoromethane	1.87	101	10069	0.251 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6818	0.320 ug/L	85
12) 1,1-Dichloroethene	2.27	96	6690	0.325 ug/L #	1
13) Acetone	2.35	43	13674	3.286 ug/L	98
14) Carbon disulfide	2.46	76	18914	0.271 ug/L #	87
15) Methyl Acetate	2.61	43	2943	0.272 ug/L	93
16) Methylene chloride	2.68	84	8135	0.339 ug/L	95
17) Methyl tert-butyl Ether	2.98	73	14955	0.281 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	5856	0.265 ug/L	86
19) 1,1-Dichloroethane	3.42	63	9116	0.264 ug/L	95
21) 2-Butanone	4.29	43	16361m	3.176 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	4978	0.264 ug/L	84

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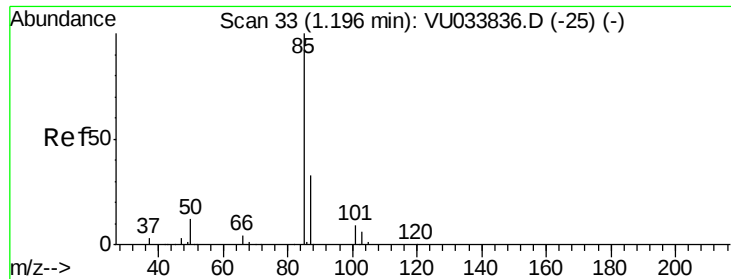
MMDadoda
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 Response via : Initial Calibration

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

23) Bromochloromethane	4.53	128	2513	0.278	ug/L	95
25) Chloroform	4.65	83	14441	0.388	ug/L	90
27) 1,2-Dichloroethane	5.38	62	6001	0.262	ug/L #	94
29) 1,1,1-Trichloroethane	4.89	97	8093	0.264	ug/L	96
30) Cyclohexane	4.97	56	5998	0.216	ug/L	100
31) Carbon tetrachloride	5.11	117	7318	0.268	ug/L	95
33) Benzene	5.37	78	19230	0.255	ug/L	100
34) Trichloroethene	6.17	95	5255	0.265	ug/L	98
35) Methylcyclohexane	6.40	83	6724	0.227	ug/L	93
37) 1,2-Dichloropropane	6.42	63	5103	0.250	ug/L #	94
38) Bromodichloromethane	6.74	83	6491	0.252	ug/L	93
39) cis-1,3-Dichloropropene	7.26	75	6768	0.246	ug/L	88
40) 4-Methyl-2-pentanone	7.45	43	24874	2.110	ug/L #	87
42) Toluene	7.62	91	19046	0.240	ug/L	95
44) trans-1,3-Dichloropropene	7.87	75	5677	0.247	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	4034	0.277	ug/L	90
47) Tetrachloroethene	8.21	164	3871	0.235	ug/L	96
48) 2-Hexanone	8.36	43	29157	3.420	ug/L	97
49) Dibromochloromethane	8.46	129	4543	0.257	ug/L	88
50) 1,2-Dibromoethane	8.57	107	3557	0.252	ug/L #	92
51) Chlorobenzene	9.10	112	11820	0.231	ug/L	87
52) Ethylbenzene	9.23	91	17169	0.209	ug/L	97
53) m,p-Xylene	9.36	106	6022	0.195	ug/L	93
54) o-Xylene	9.77	106	5740	0.195	ug/L	95
55) Styrene	9.78	104	8937	0.175	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	4660	0.243	ug/L	97
59) Isopropylbenzene	10.15	105	15091	0.227	ug/L	96
60) Bromoform	9.94	173	2248	0.252	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	2951	0.254	ug/L	94
62) 1,3,5-Trimethylbenzene	10.76	105	10690	0.198	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	10603	0.197	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	9506	0.267	ug/L	92
65) 1,4-Dichlorobenzene	11.49	146	9511	0.259	ug/L	96
67) 1,2-Dichlorobenzene	11.86	146	9919	0.289	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.65	75	612	0.242	ug/L	92
69) 1,3,5-Trichlorobenzene	12.88	180	7026	0.251	ug/L	96
70) 1,2,4-trichlorobenzene	13.50	180	4308	0.198	ug/L	96
71) Naphthalene	13.74	128	5629	0.168	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.98	180	4443	0.216	ug/L	86

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



#2

Dichlorodifluoromethane

Concen: 0.229 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 5917

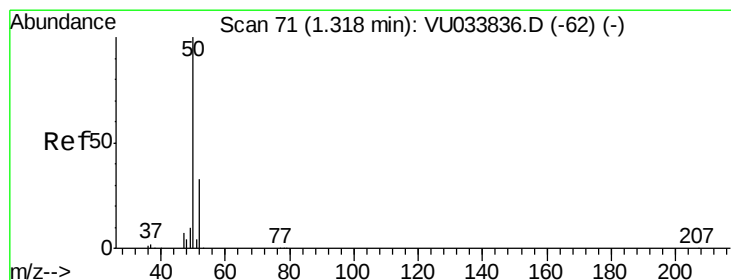
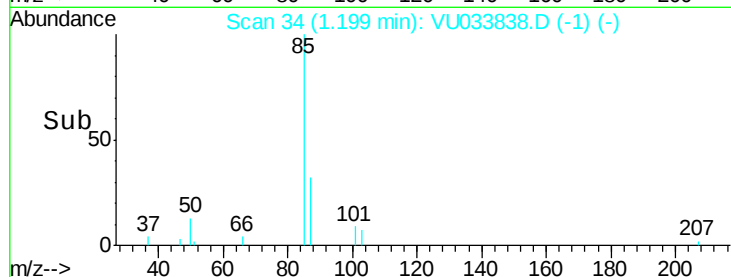
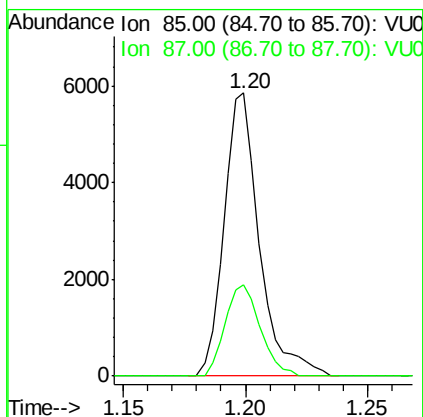
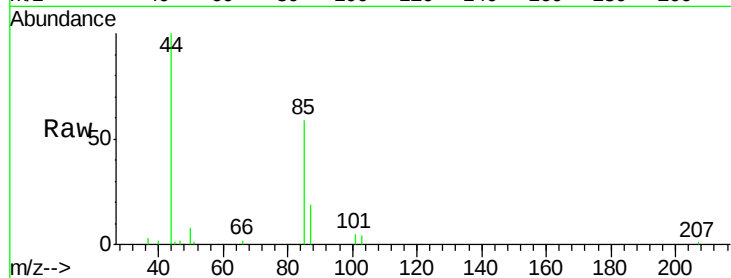
Ion Ratio Lower Upper

85 100

87 31.9 25.6 38.4

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#3

Chloromethane

Concen: 0.275 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033838.D

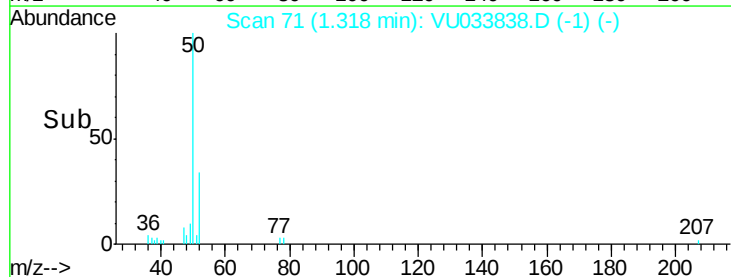
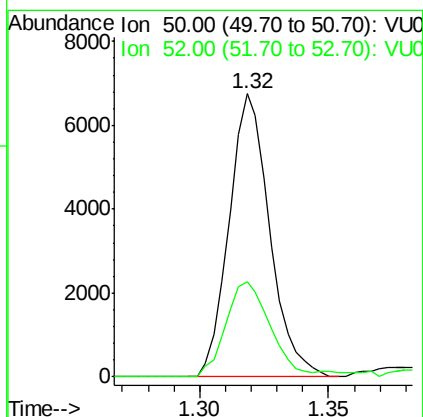
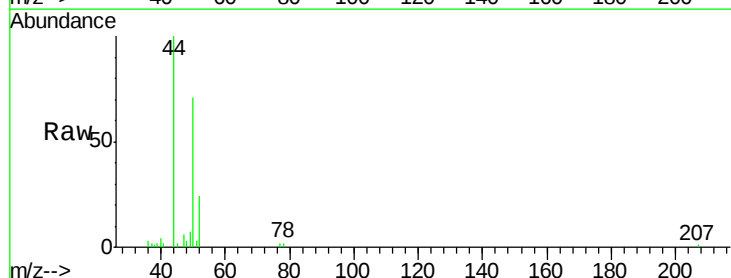
Acq: 19 Aug 2019 09:52

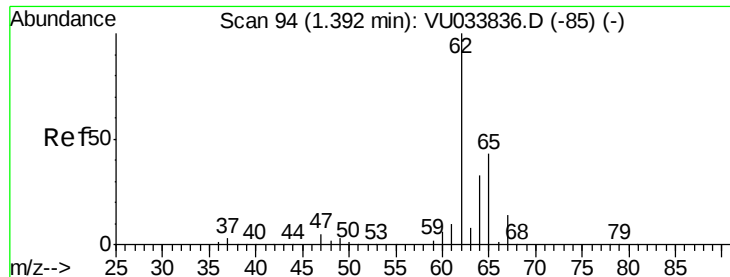
Tgt Ion: 50 Resp: 7388

Ion Ratio Lower Upper

50 100

52 33.9 22.7 42.1





#5

Vinyl chloride

Concen: 0.263 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 7717

Ion Ratio Lower Upper

62 100

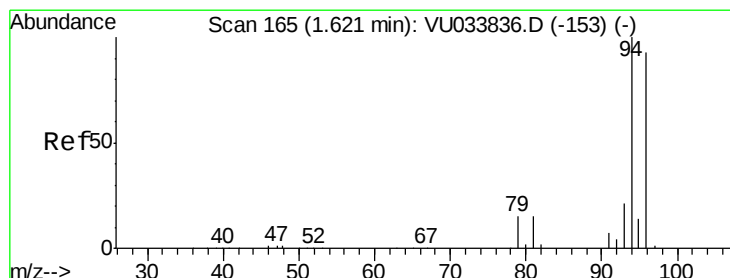
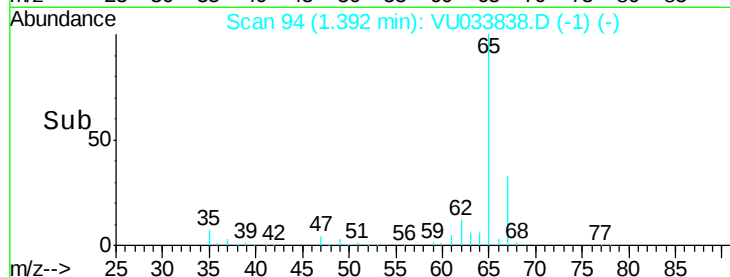
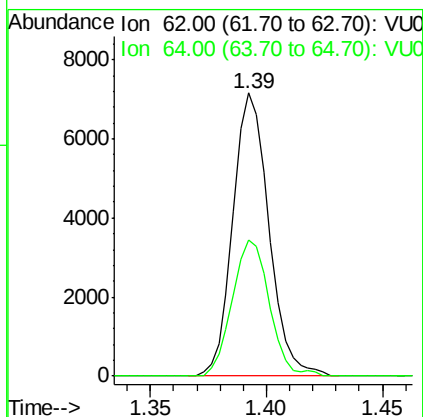
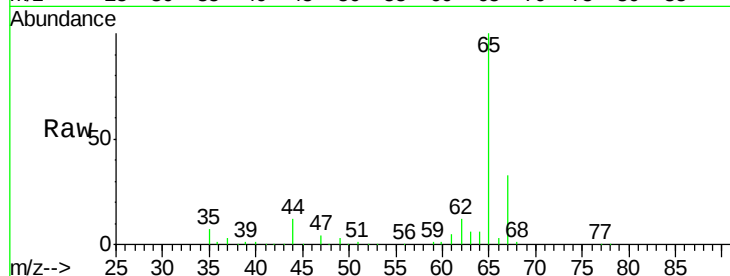
64 48.2 21.9 40.7#

Manual Integrations

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#6

Bromomethane

Concen: 0.278 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033838.D

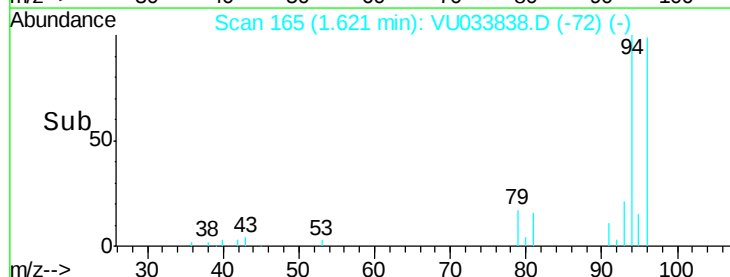
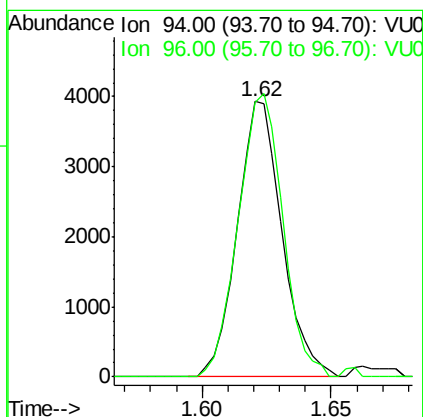
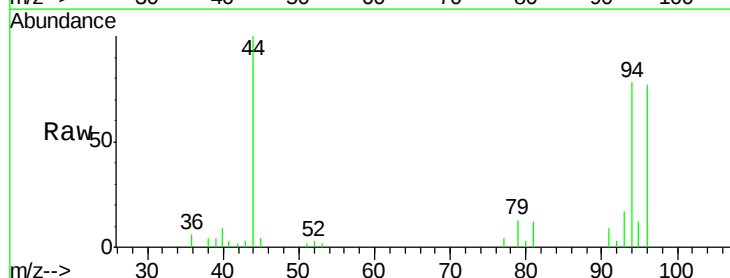
Acq: 19 Aug 2019 09:52

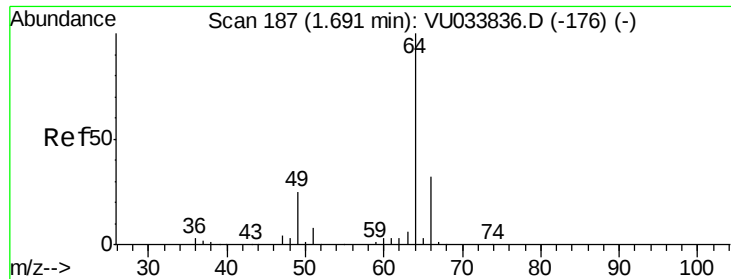
Tgt Ion: 94 Resp: 4746

Ion Ratio Lower Upper

94 100

96 99.4 66.4 123.2





#8

Chloroethane

Concen: 0.270 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 64 Resp: 4663

Ion Ratio Lower Upper

64 100

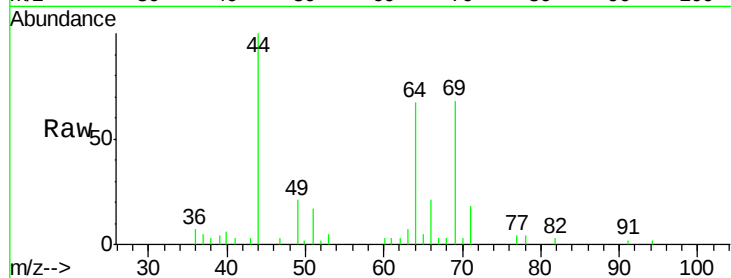
66 30.7 21.9 40.7

Manual Integrations

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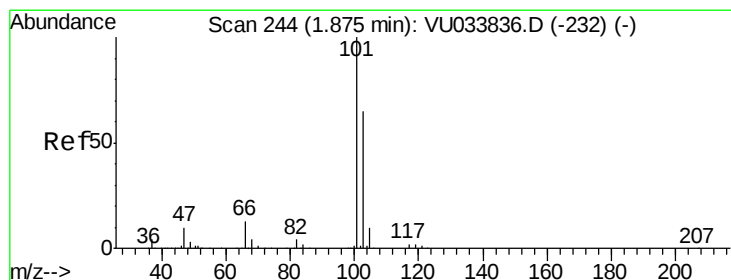
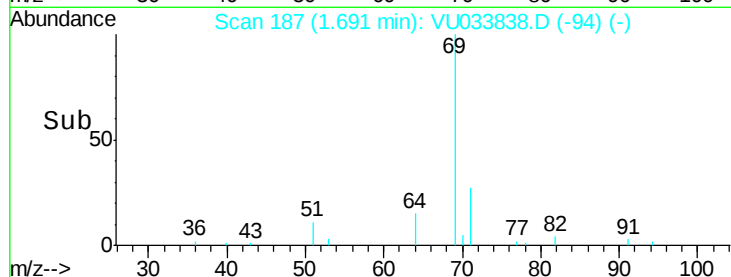
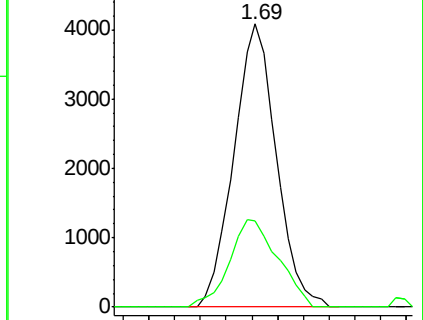
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Abundance Ion 64.00 (63.70 to 64.70): VU033838.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033838.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 0.251 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033838.D

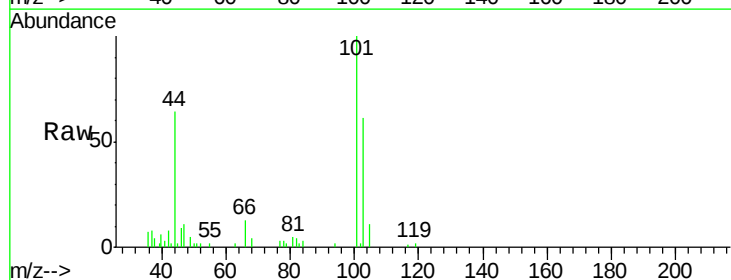
Acq: 19 Aug 2019 09:52

Tgt Ion:101 Resp: 10069

Ion Ratio Lower Upper

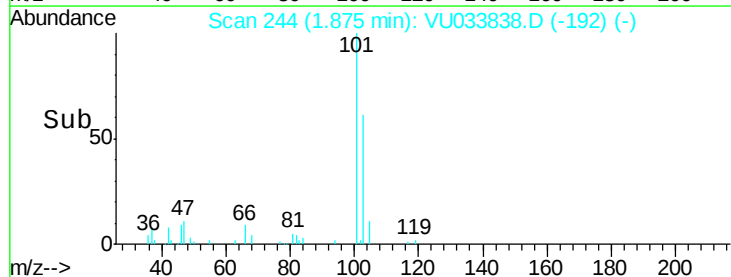
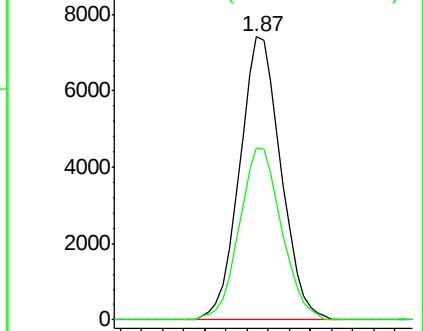
101 100

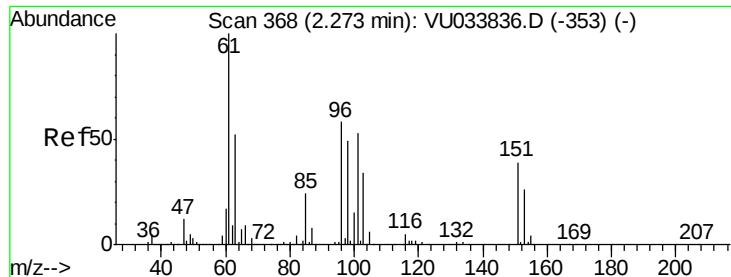
103 62.0 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033838.D (-232) (-)

Ion 103.00 (102.70 to 103.70): VU033838.D (-232) (-)





#10

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

Concen: 0.320 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

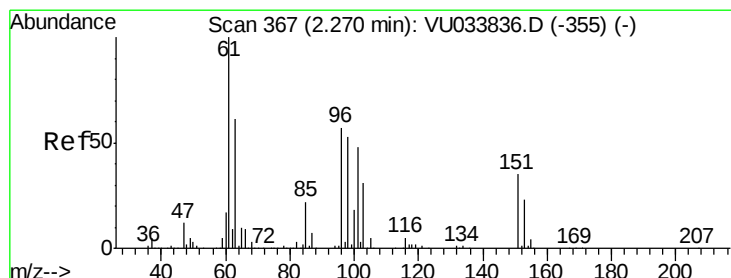
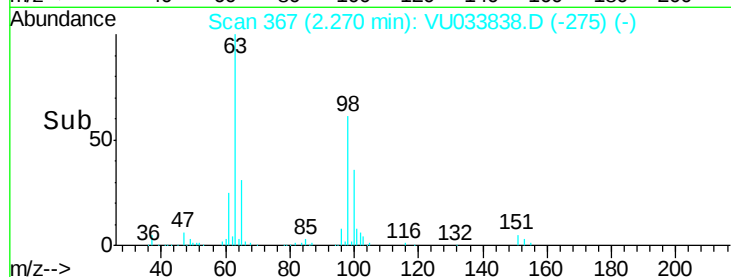
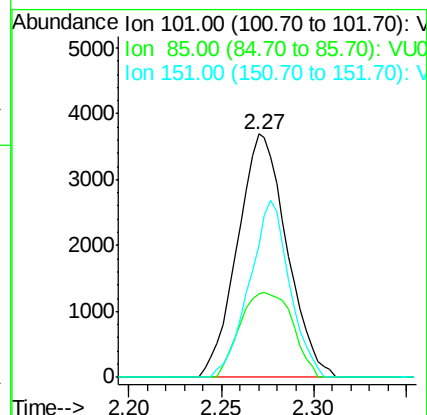
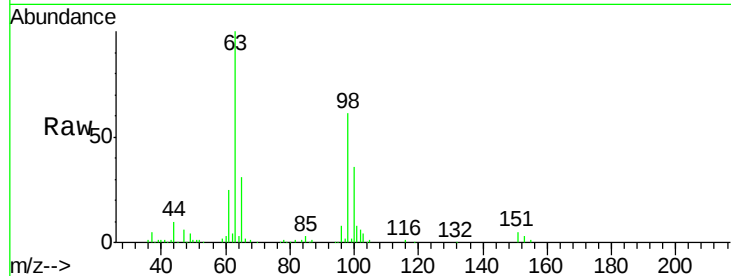
ClientSampled :

MDL06

Tot Ion:	101	Resp:	6818
Ion Ratio	Lower	Upper	
101	100		
85	37.1	36.2	54.2
151	59.1	58.7	88.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.325 ug/L

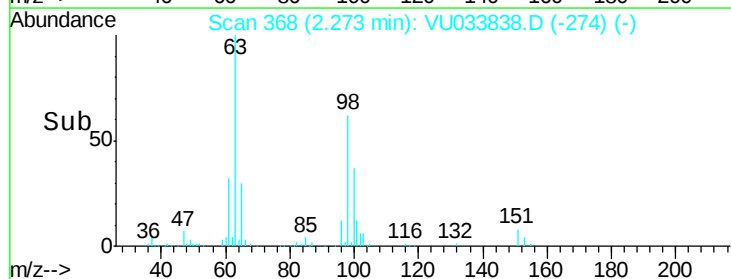
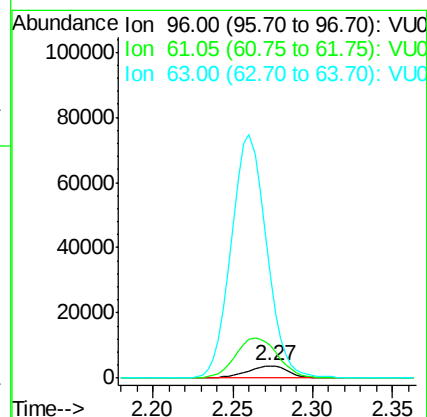
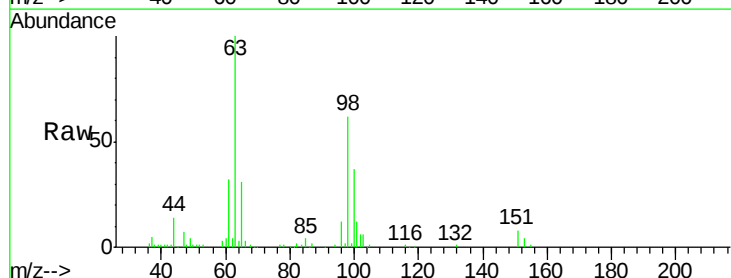
RT: 2.27 min Scan# 368

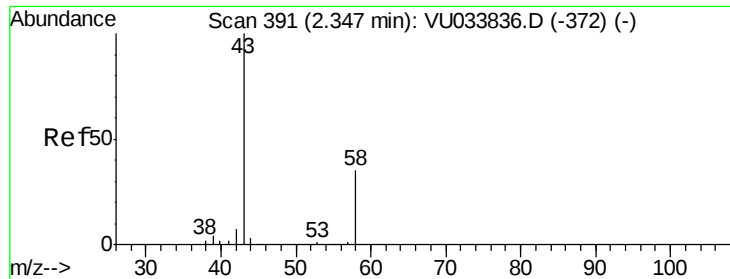
Delta R.T. 0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Tgt Ion:	96	Resp:	6690
Ion Ratio	Lower	Upper	
96	100		
61	260.3	123.8	230.0#
63	819.4	78.0	144.9#





#13

Acetone

Concen: 3.286 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 13674

Ion Ratio Lower Upper

43 100

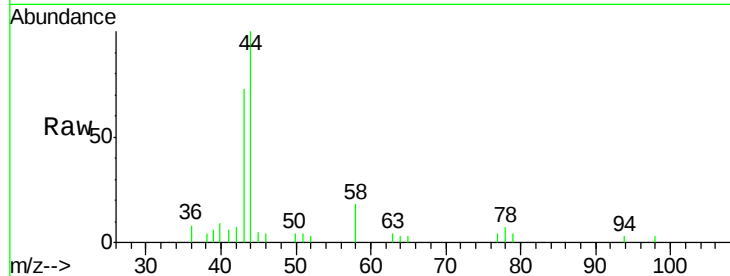
58 12.7 0.0 27.0

Manual Integrations

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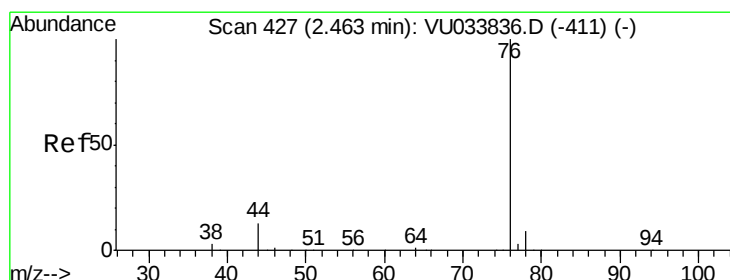
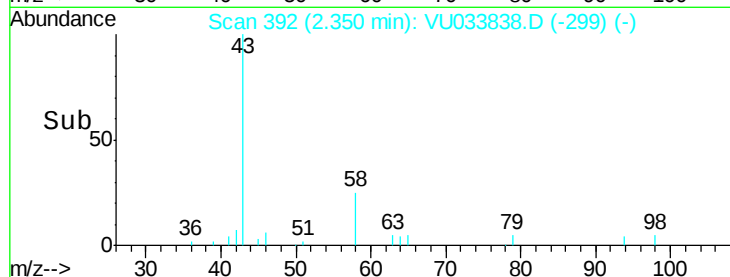
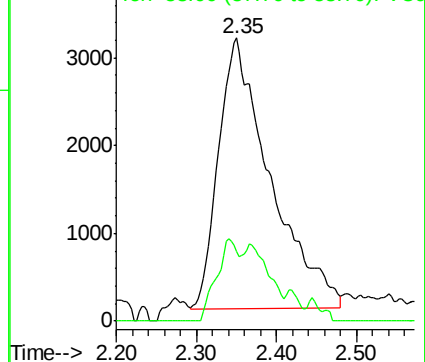
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 0.271 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033838.D

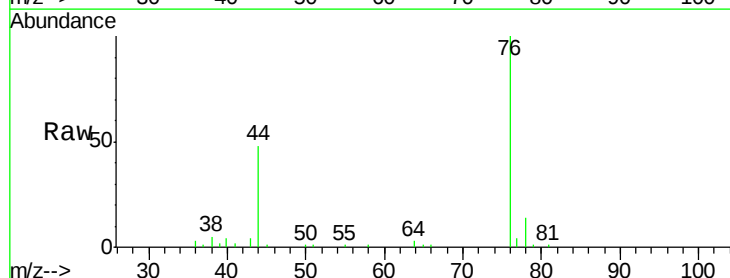
Acq: 19 Aug 2019 09:52

Tgt Ion: 76 Resp: 18914

Ion Ratio Lower Upper

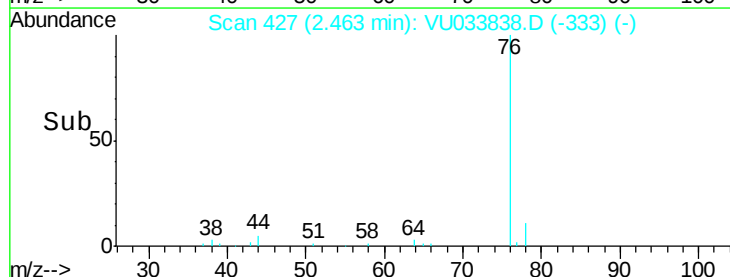
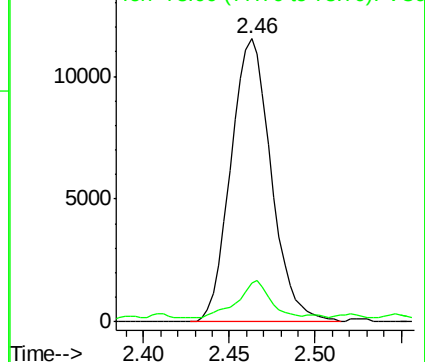
76 100

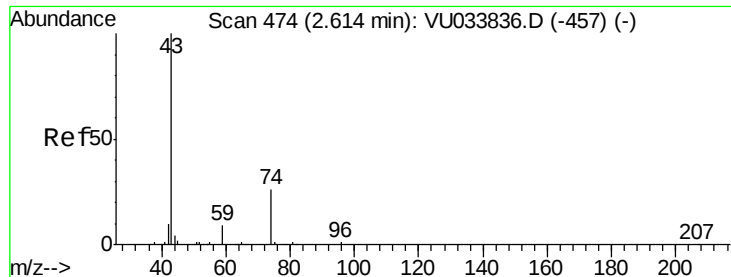
78 13.7 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.272 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 2943

Ion Ratio Lower Upper

43 100

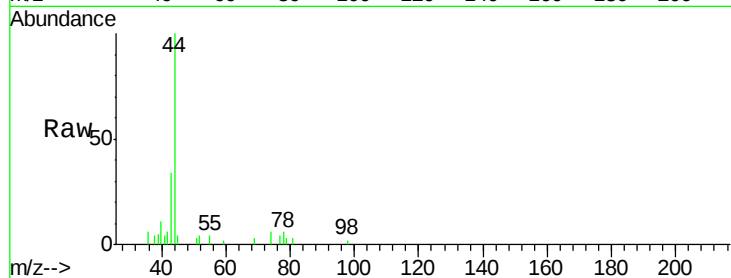
74 20.3 18.8 28.2

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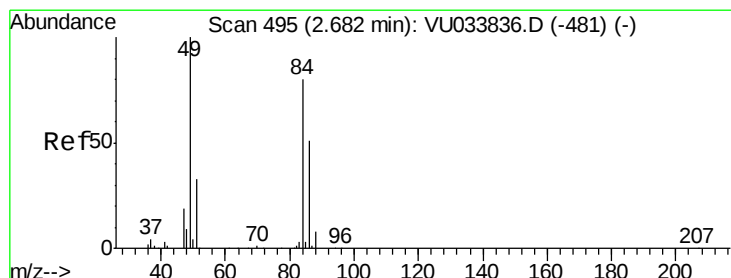
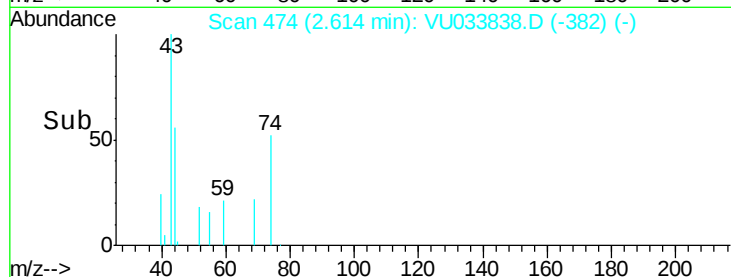
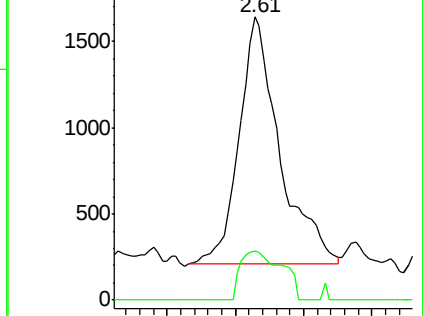
MMDadoda

8/20/2019 8:38:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 0.339 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

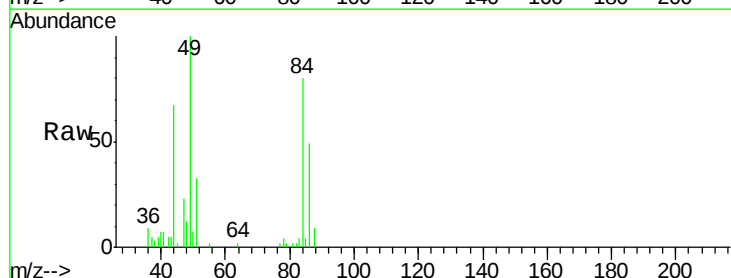
Tgt Ion: 84 Resp: 8135

Ion Ratio Lower Upper

84 100

86 60.7 46.0 85.4

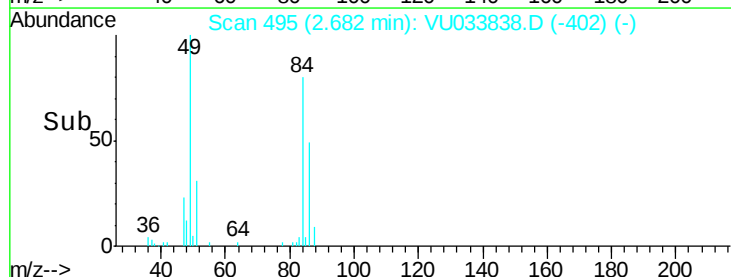
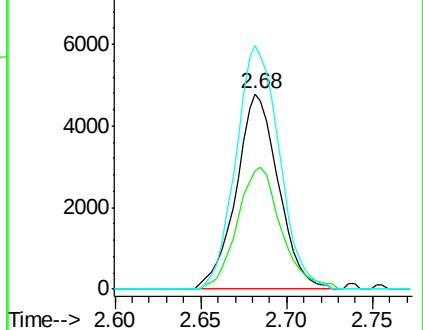
49 124.7 90.4 168.0

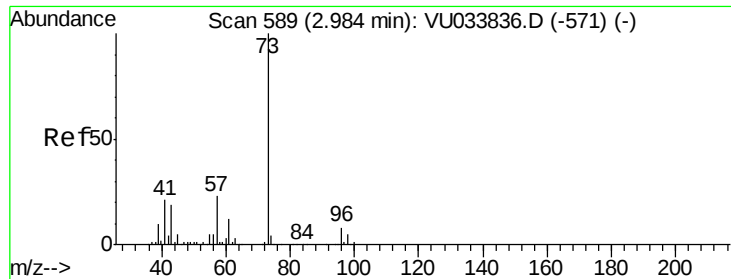


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





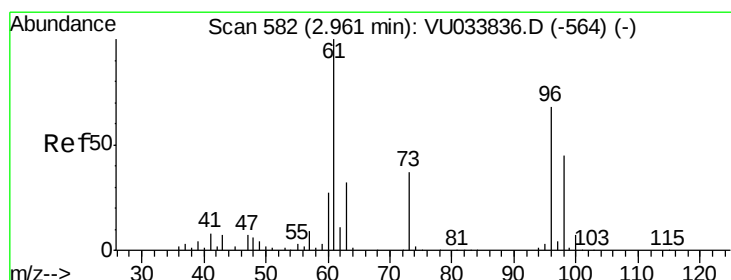
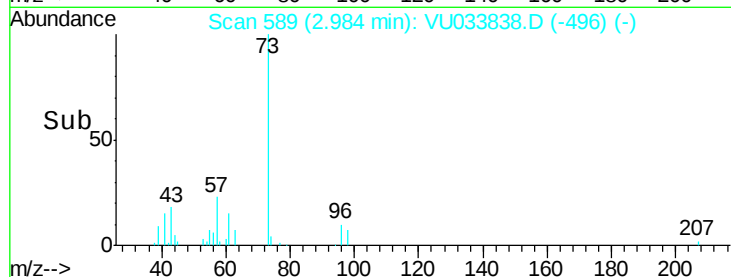
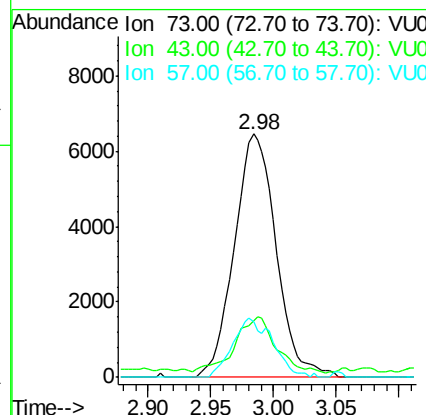
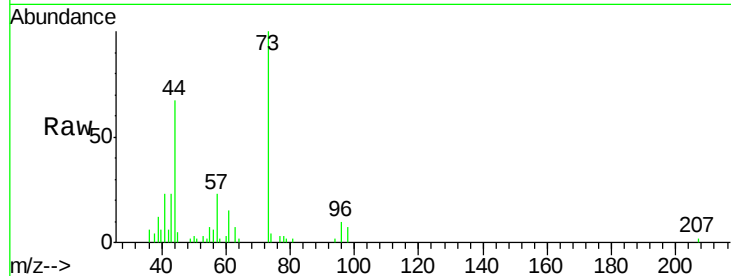
#17
Methvl tert-butvl Ether
Concen: 0.281 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion:	73	Resp:	14955
Ion	Ratio	Lower	Upper
73	100		
43	23.2	16.2	24.4
57	23.4	18.9	28.3

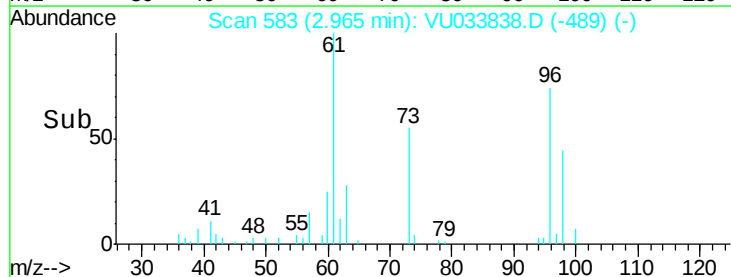
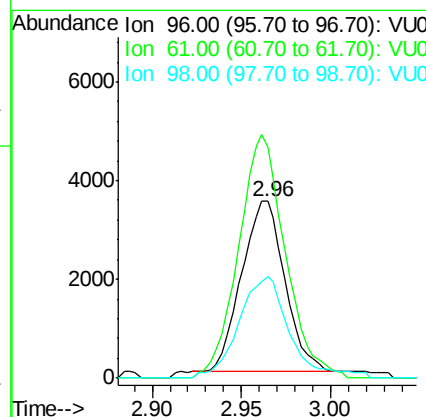
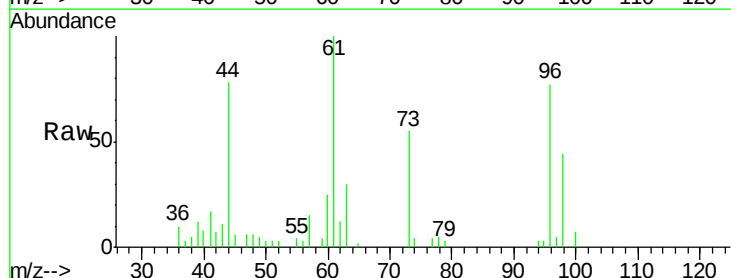
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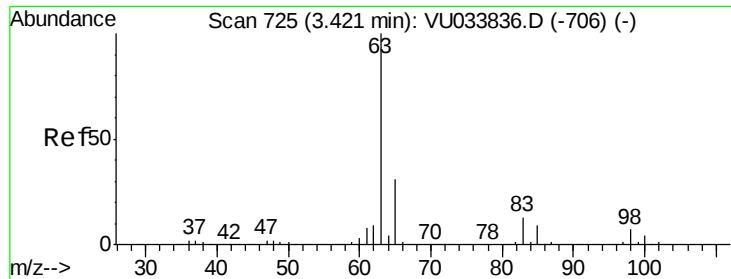
MMDadoda
8/20/2019 8:38:09 AM



#18
trans-1,2-Dichloroethene
Concen: 0.265 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion:	96	Resp:	5856
Ion	Ratio	Lower	Upper
96	100		
61	130.6	107.2	199.0
98	57.5	43.0	79.8





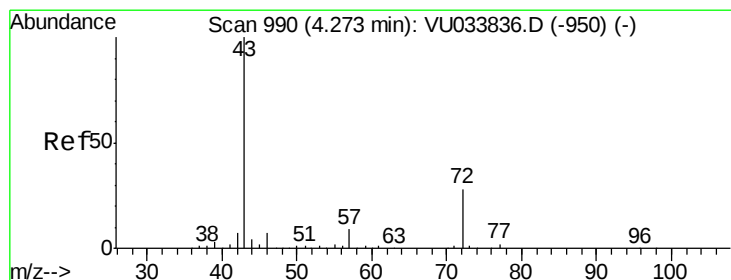
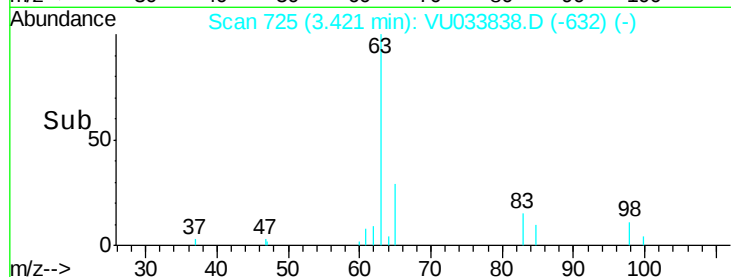
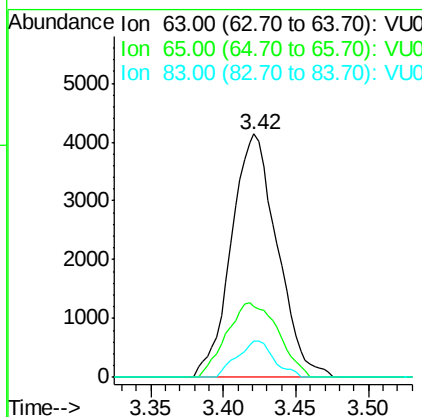
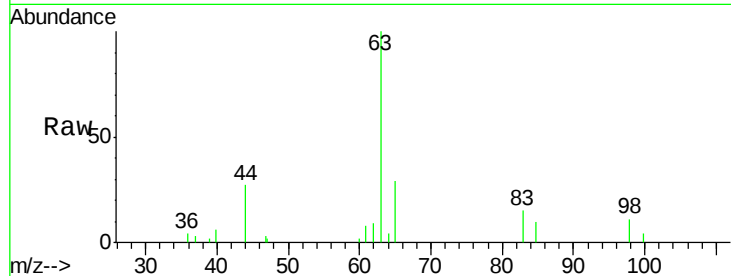
#19
 1,1-Dichloroethane
 Concen: 0.264 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	22.4	41.6
83	15.0	9.7	17.9

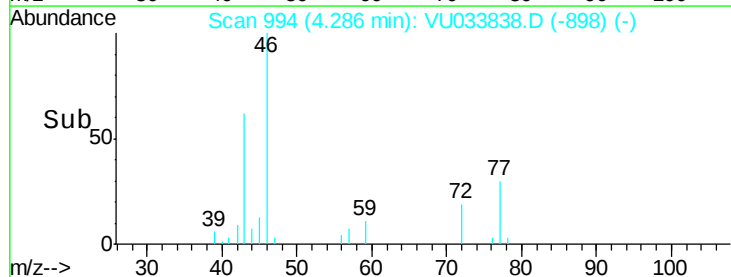
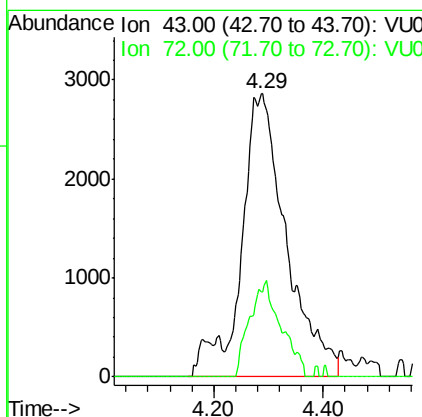
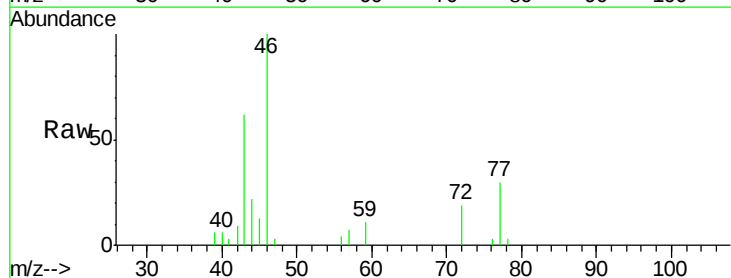
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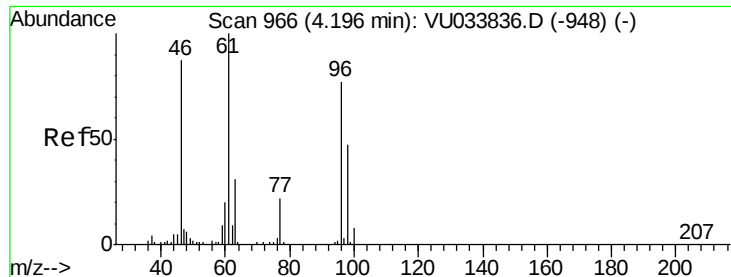
MMDadoda
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#21
 2-Butanone
 Concen: 3.176 ug/L m
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	13.1	39.1





#22

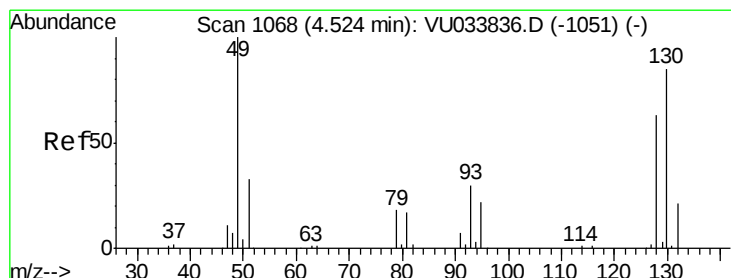
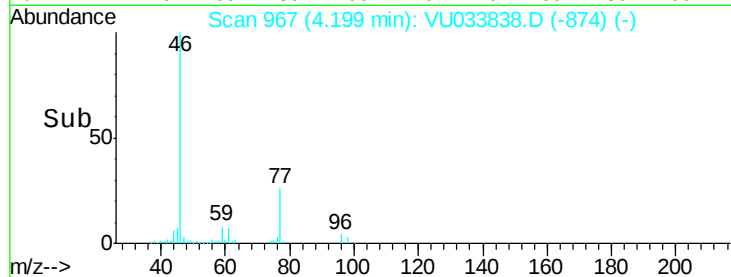
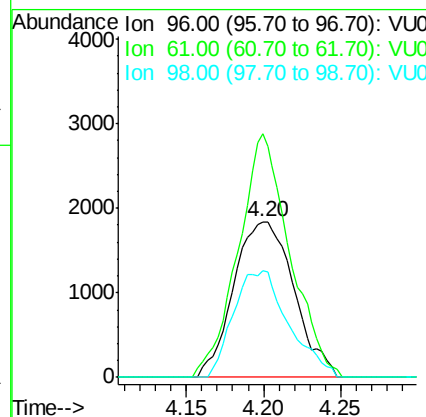
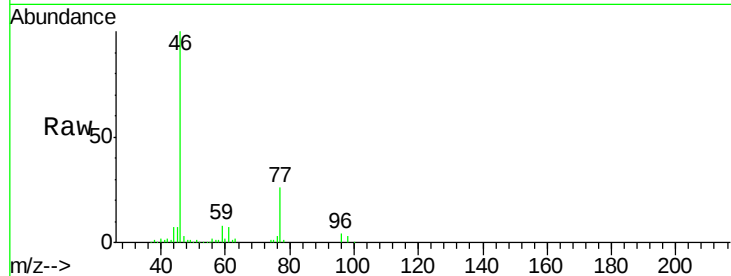
cis-1,2-Dichloroethene
Concen: 0.264 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	91.7	170.3
98	68.2	45.1	83.9

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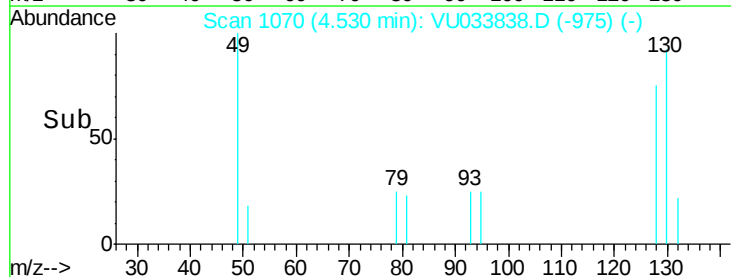
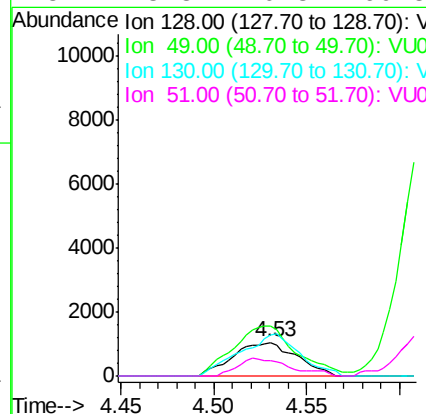
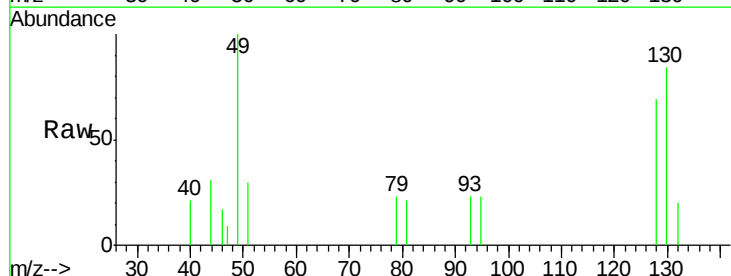
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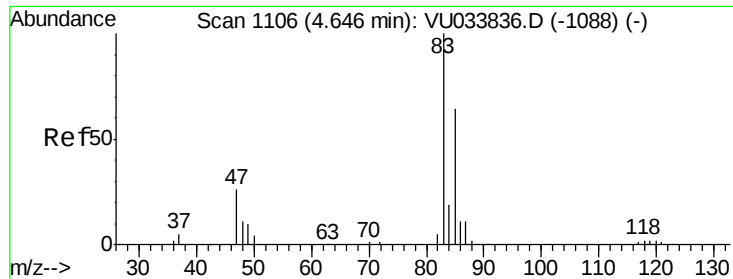


#23

Bromochloromethane
Concen: 0.278 ug/L
RT: 4.53 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
128	100		
49	145.7	106.8	198.4
130	121.9	88.3	164.1
51	43.8	40.3	60.5





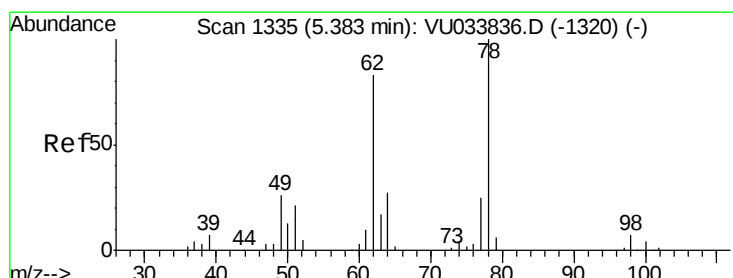
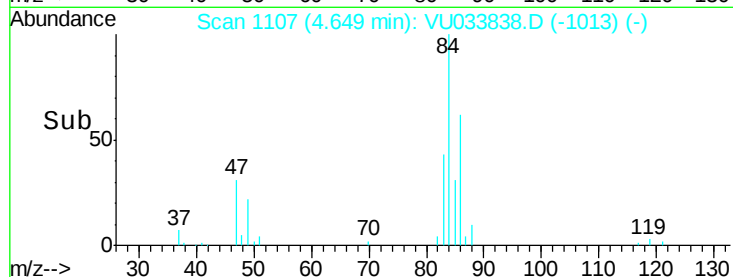
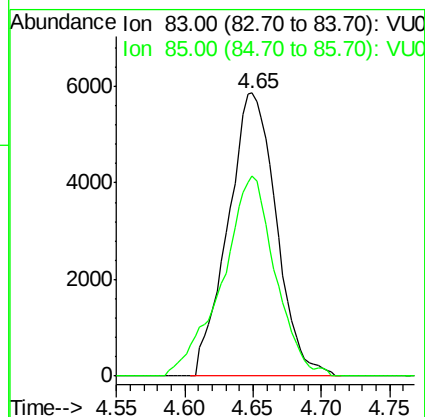
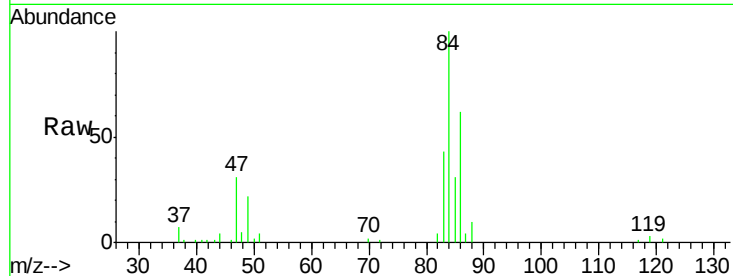
#25
Chloroform
Concen: 0.388 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 14441
Ion Ratio Lower Upper
83 100
85 70.9 44.2 82.0

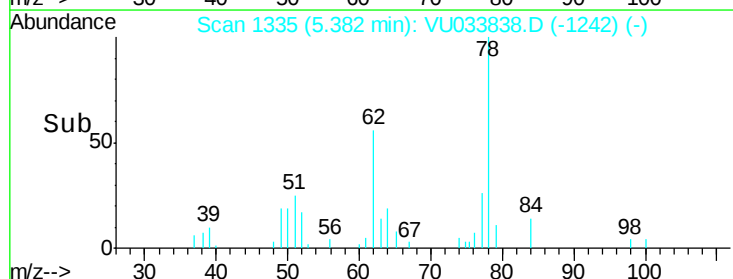
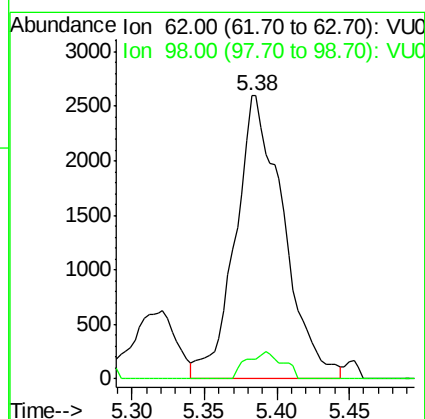
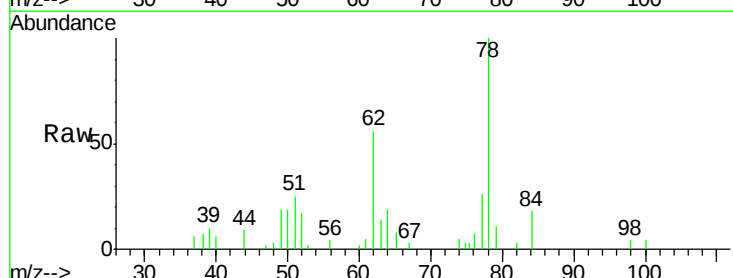
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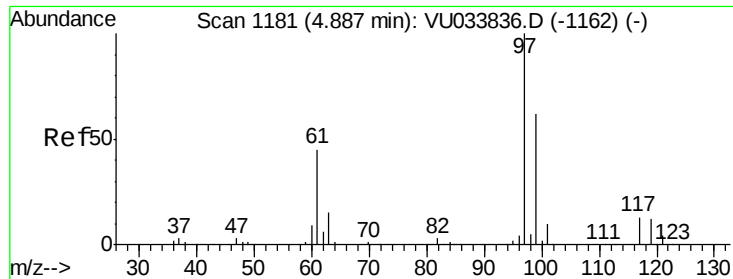
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#27
1,2-Dichloroethane
Concen: 0.262 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion: 62 Resp: 6001
Ion Ratio Lower Upper
62 100
98 6.9 7.4 11.0#





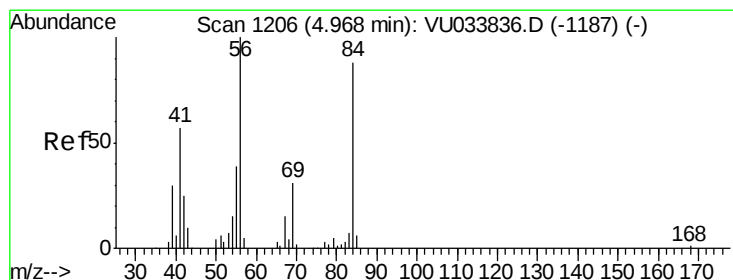
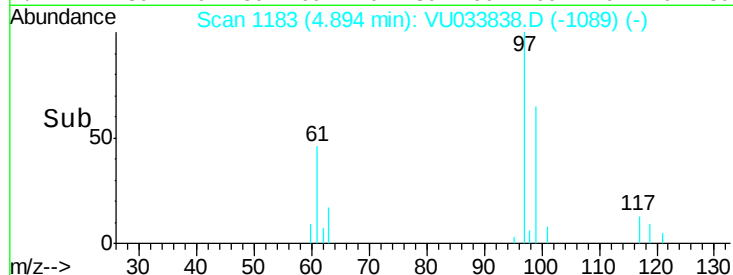
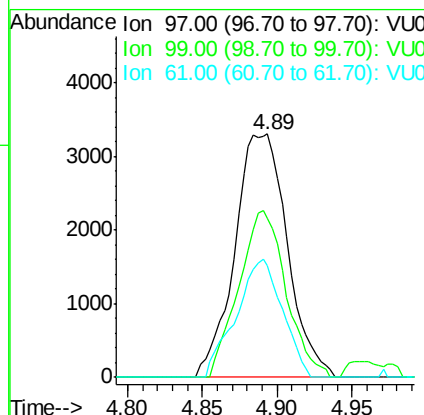
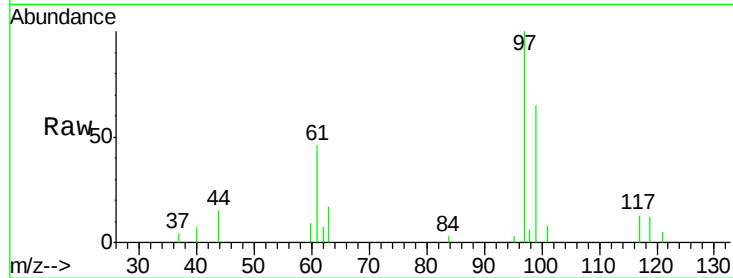
#29
1,1,1-Trichloroethane
Concen: 0.264 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.4	50.8	76.2
61	42.6	37.4	56.0

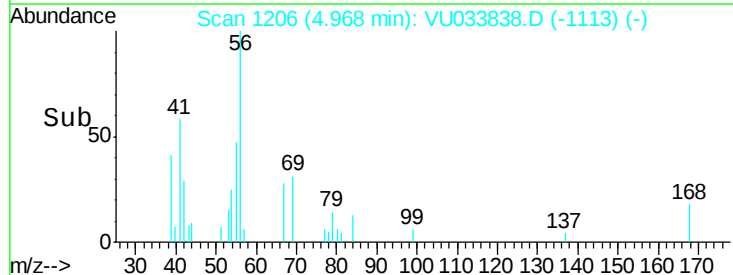
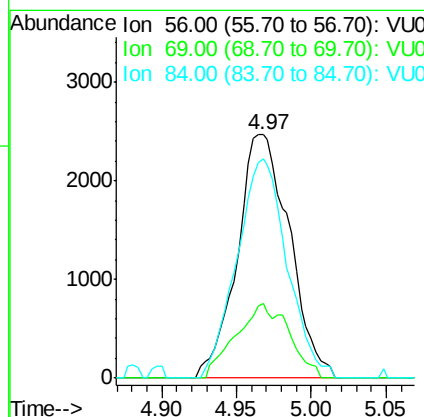
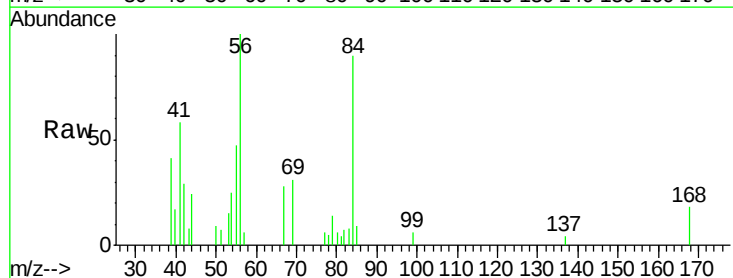
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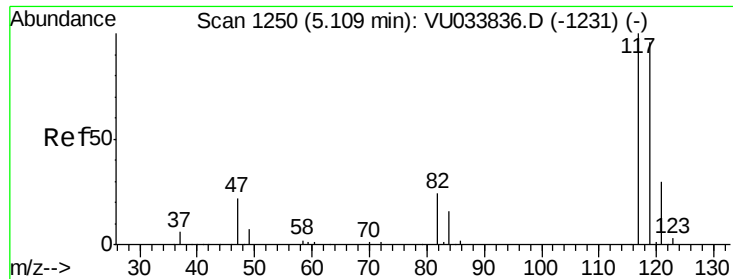
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#30
Cyclohexane
Concen: 0.216 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.2	37.8
84	86.7	69.8	104.6





#31

Carbon tetrachloride

Concen: 0.268 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion:117 Resp: 7318

Ion Ratio Lower Upper

117 100

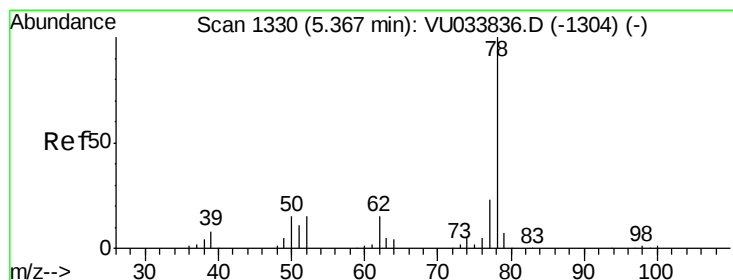
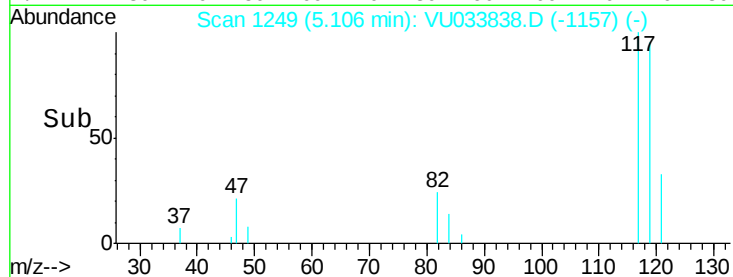
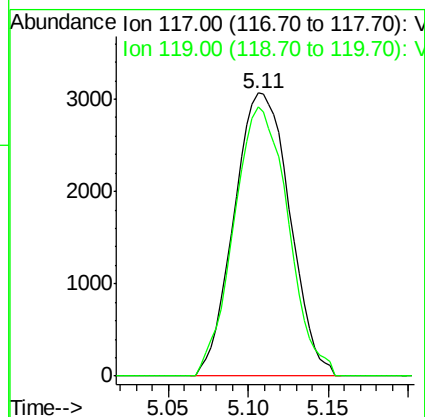
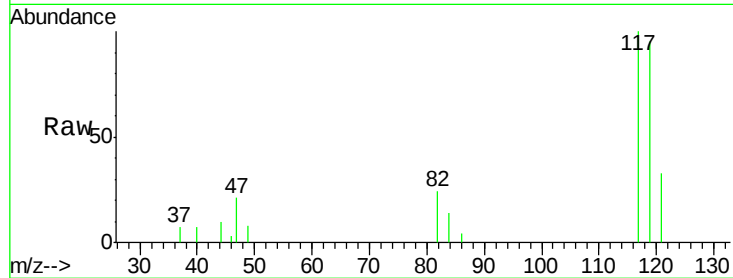
119 92.7 78.5 117.7

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#33

Benzene

Concen: 0.255 ug/L

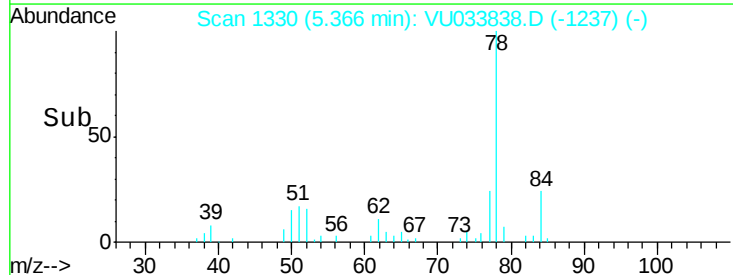
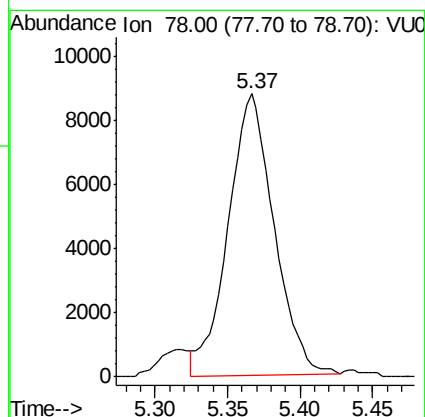
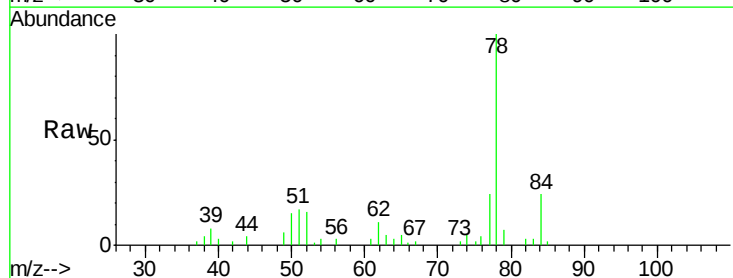
RT: 5.37 min Scan# 1330

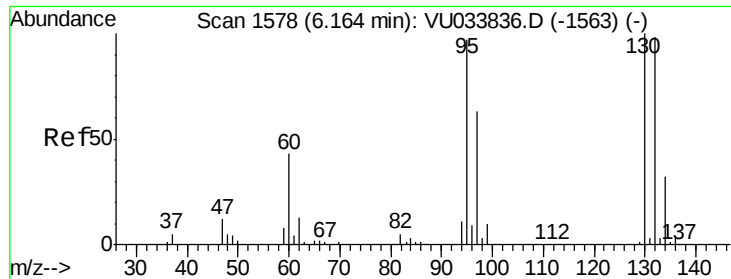
Delta R.T. -0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Tgt Ion: 78 Resp: 19230





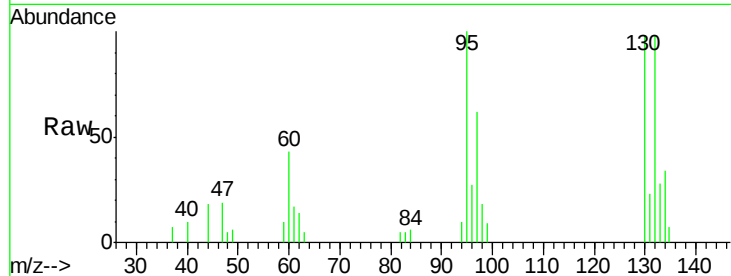
#34
 Trichloroethene
 Concen: 0.265 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

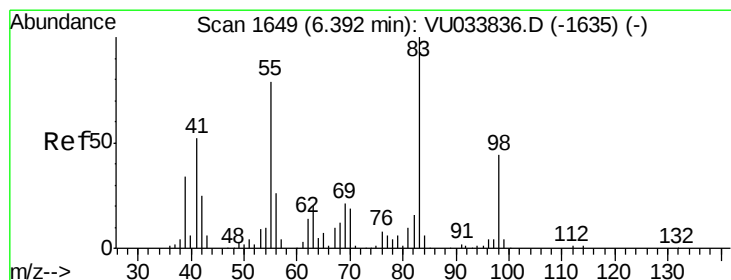
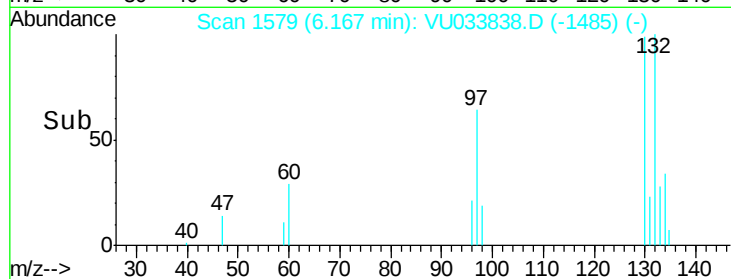
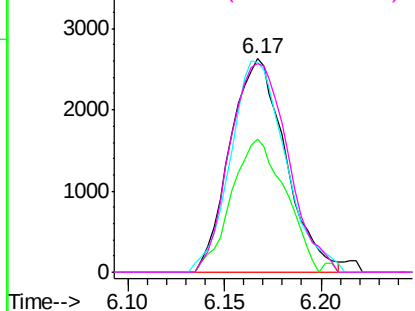
Tot Ion	95	Resp:	5255
Ion	Ratio	Lower	Upper
95	100		
97	62.5	45.4	84.4
132	98.3	68.9	127.9
130	97.6	70.5	130.9

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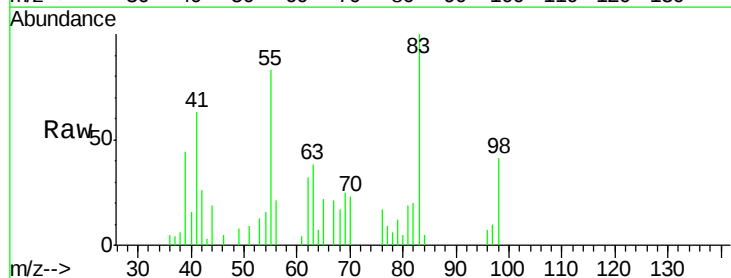


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

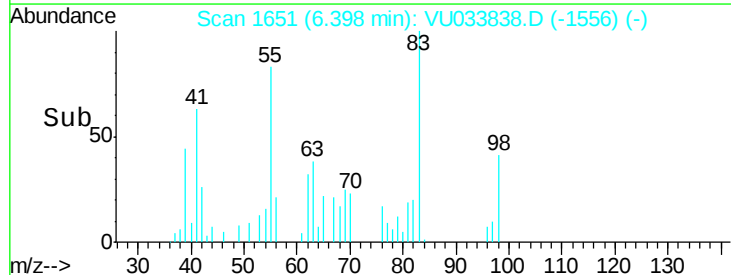
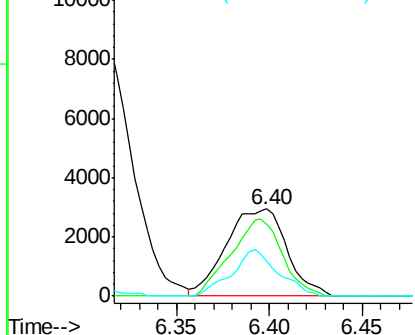


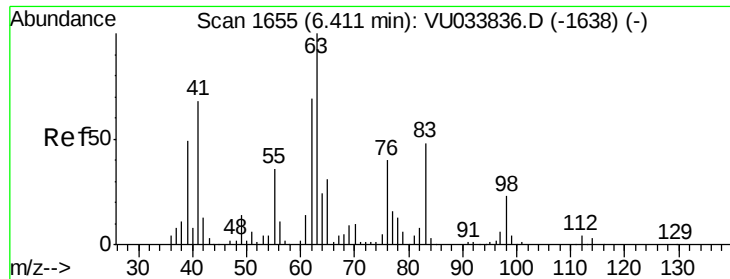
#35
 Methylcyclohexane
 Concen: 0.227 ug/L
 RT: 6.40 min Scan# 1651
 Delta R.T. 0.01 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Tgt Ion	83	Resp:	6724
Ion	Ratio	Lower	Upper
83	100		
55	74.6	65.0	97.6
98	40.7	36.2	54.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





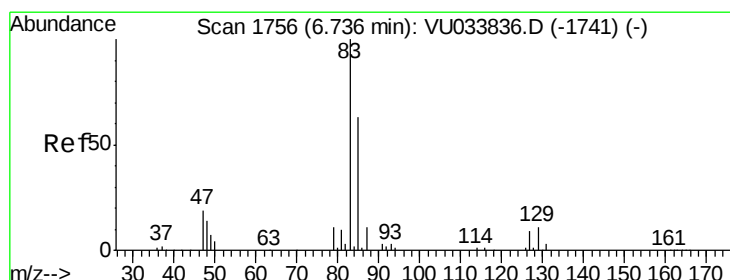
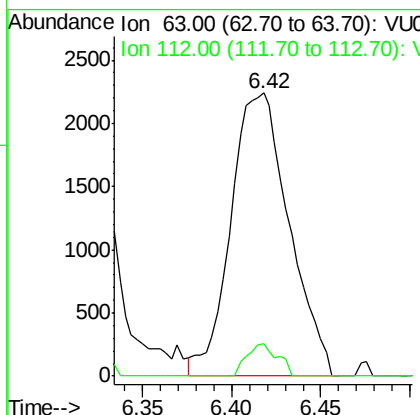
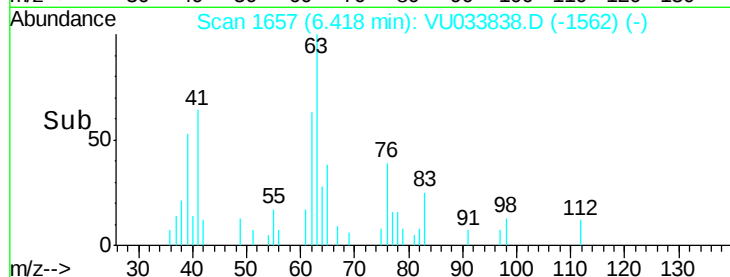
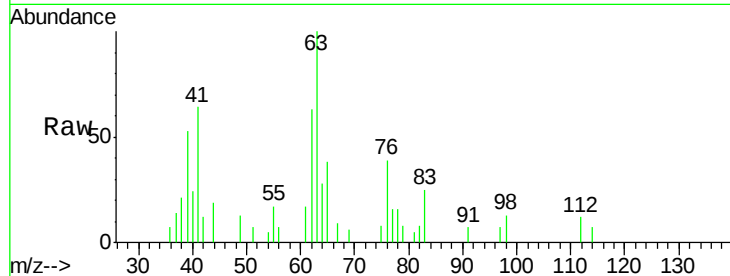
#37
 1,2-Dichloropropane
 Concen: 0.250 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 5103
 Ion Ratio Lower Upper
 63 100
 112 6.1 3.3 4.9#

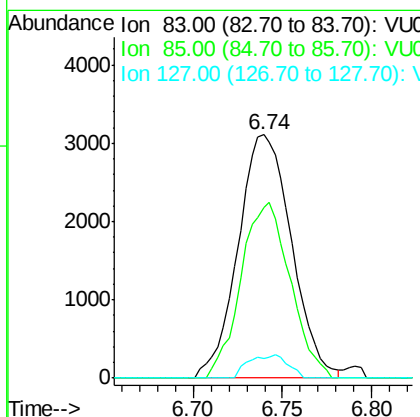
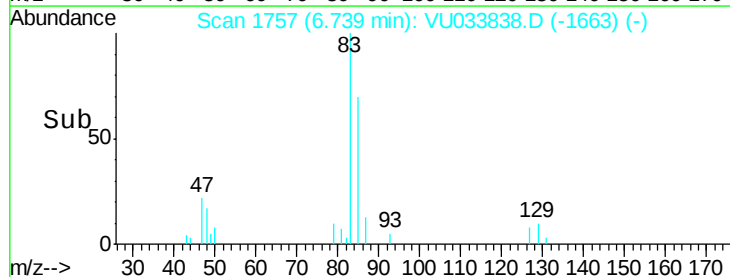
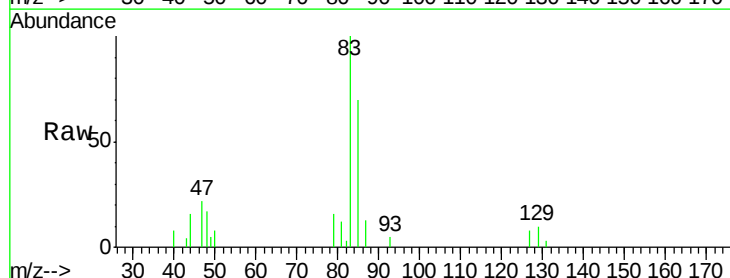
Manual Integrations
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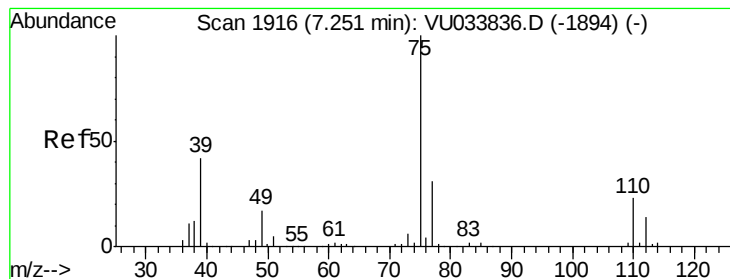
MMDadoda
 8/20/2019 8:38:09 AM



#38
 Bromodichloromethane
 Concen: 0.252 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Tgt Ion: 83 Resp: 6491
 Ion Ratio Lower Upper
 83 100
 85 70.2 45.0 83.6
 127 8.2 7.8 11.6





#39

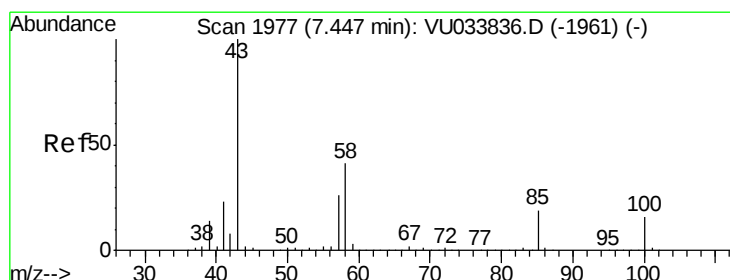
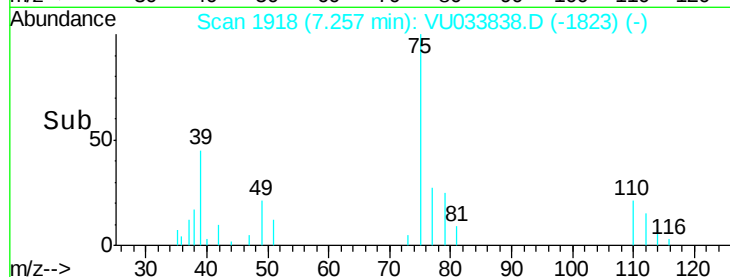
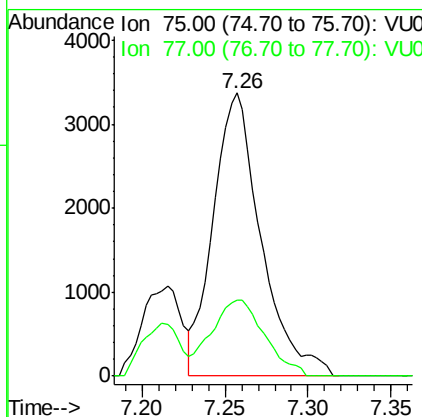
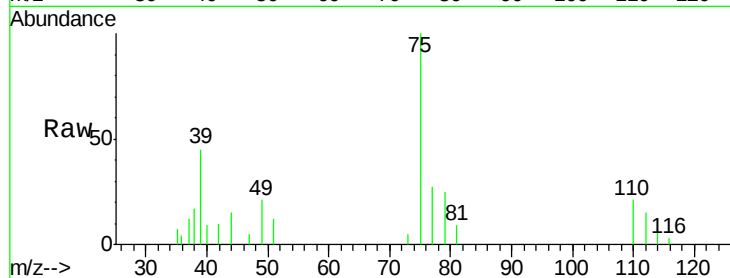
cis-1,3-Dichloropropene
Concen: 0.246 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
77	27.1	23.6	43.8

Manual Integrations
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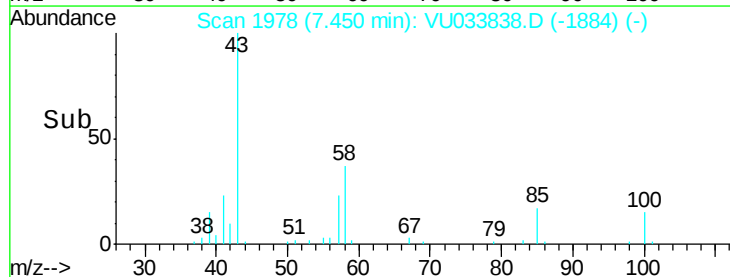
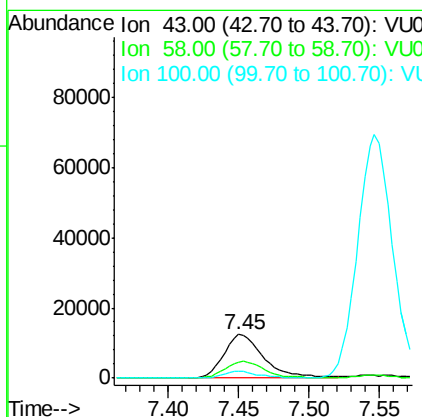
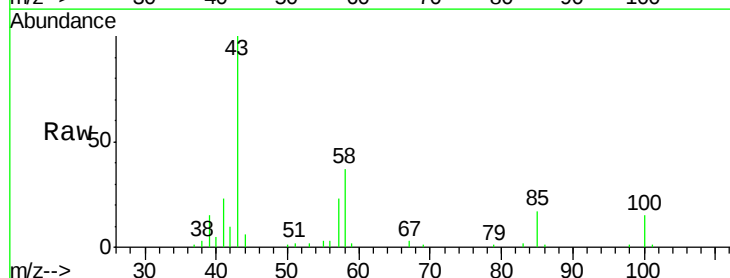
MMDadoda
8/20/2019 8:38:09 AM

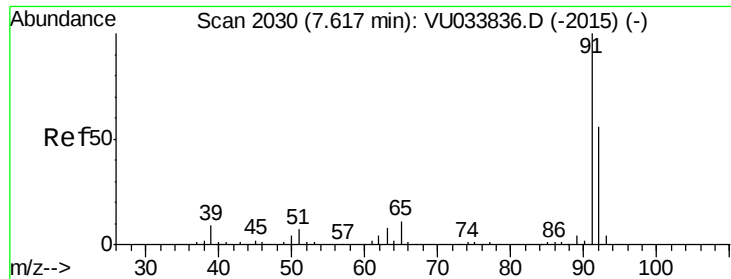


#40

4-Methyl-2-pentanone
Concen: 2.110 ug/L
RT: 7.45 min Scan# 1978
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.9	32.2	48.4
100	0.0	11.9	17.9#





#42

Toluene

Concen: 0.240 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 19046

Ion Ratio Lower Upper

91 100

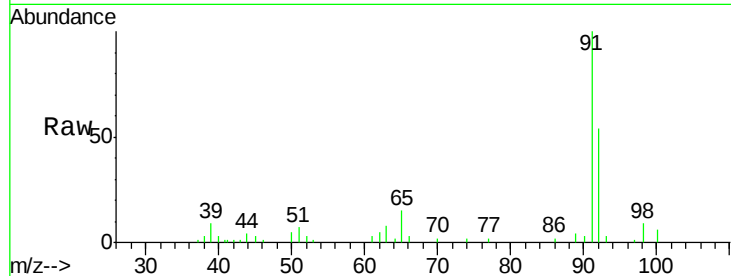
92 53.7 40.0 74.4

Manual Integrations

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8/20/2019 8:38:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VU033838.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033838.D (-1937) (-)

7.62

12000

10000

8000

6000

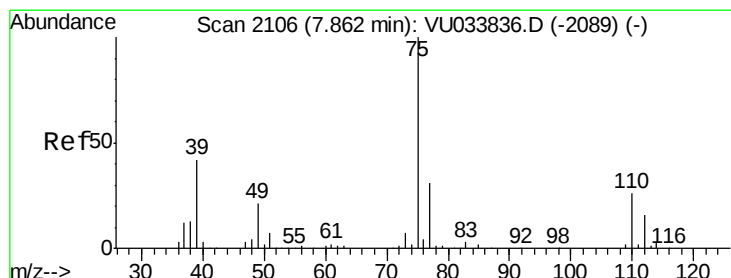
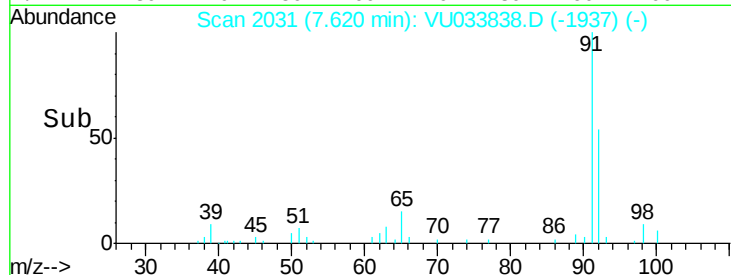
4000

2000

0

Time-->

7.55 7.60 7.65 7.70



#44

trans-1,3-Dichloropropene

Concen: 0.247 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033838.D

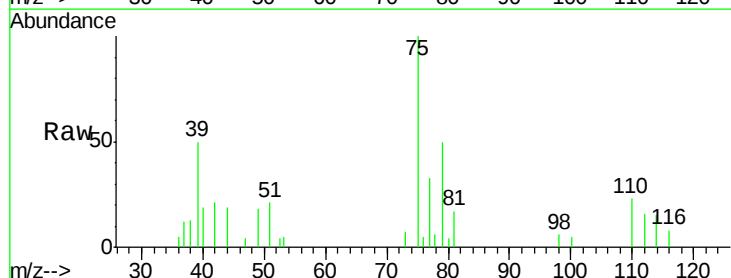
Acq: 19 Aug 2019 09:52

Tgt Ion: 75 Resp: 5677

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033838.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033838.D (-2013) (-)

7.87

3000

2500

2000

1500

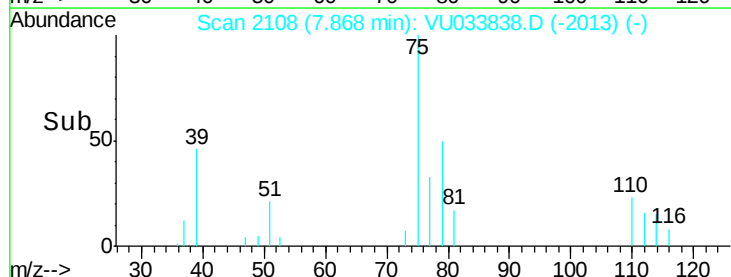
1000

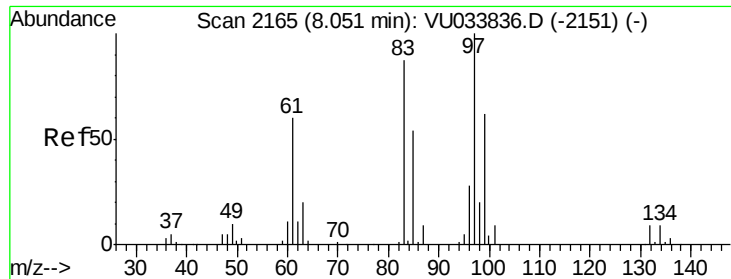
500

0

Time-->

7.80 7.85 7.90 7.95





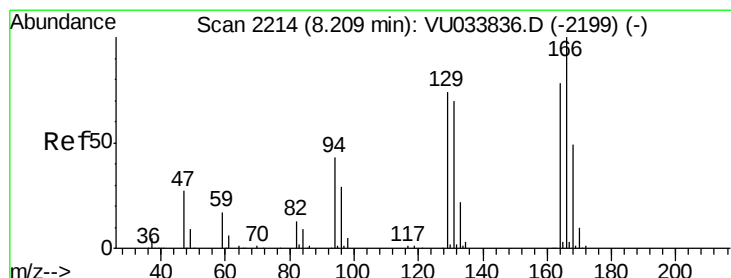
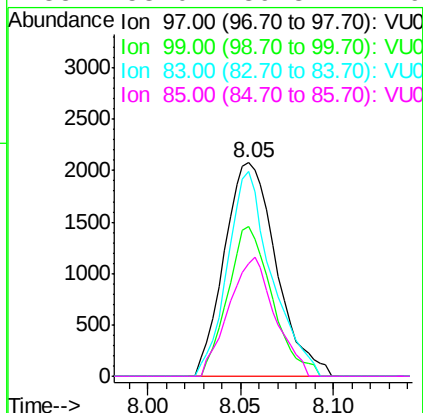
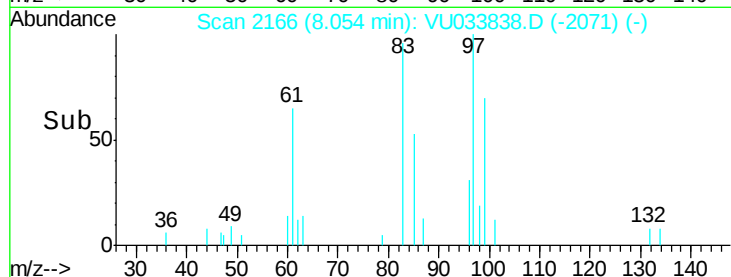
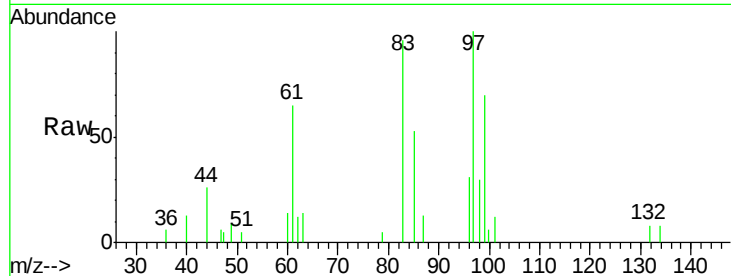
#45
1,1,2-Trichloroethane
Concen: 0.277 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion:	97	Resp:	4034
Ion	Ratio	Lower	Upper
97	100		
99	69.9	42.6	79.0
83	96.2	59.8	111.1
85	53.0	39.3	72.9

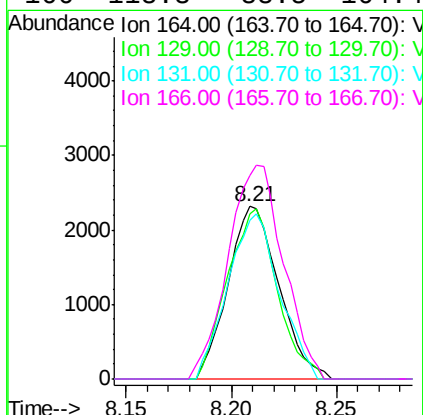
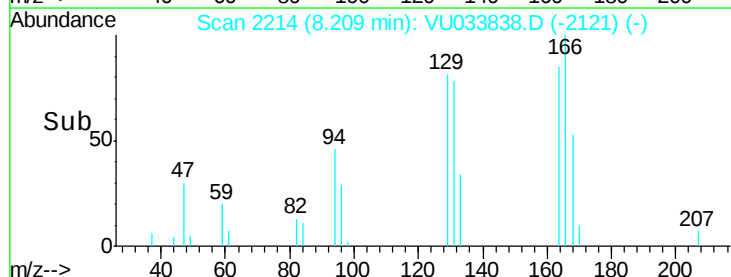
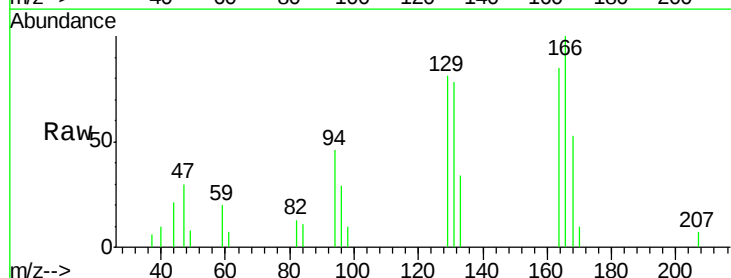
Manual Integrations
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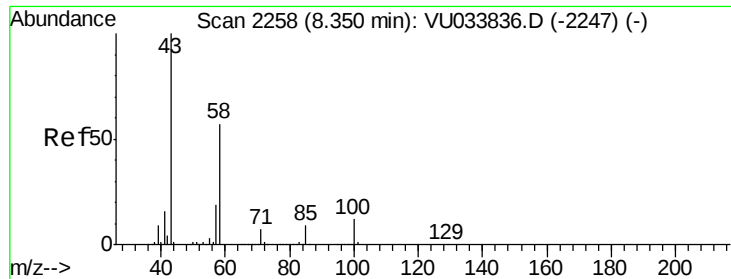
MMDadoda
8/20/2019 8:38:09 AM



#47
Tetrachloroethene
Concen: 0.235 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion:	164	Resp:	3871
Ion	Ratio	Lower	Upper
164	100		
129	96.0	66.1	122.7
131	92.0	65.2	121.2
166	118.3	88.5	164.4





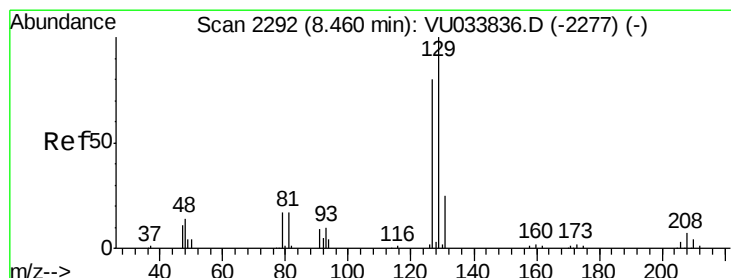
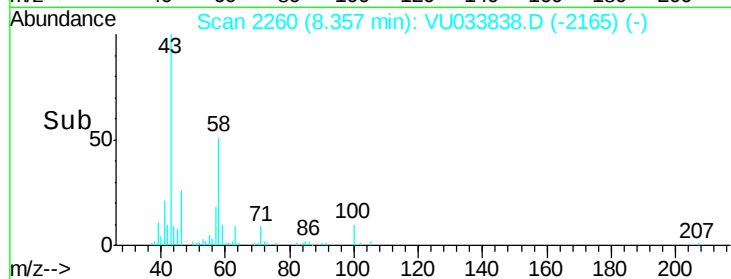
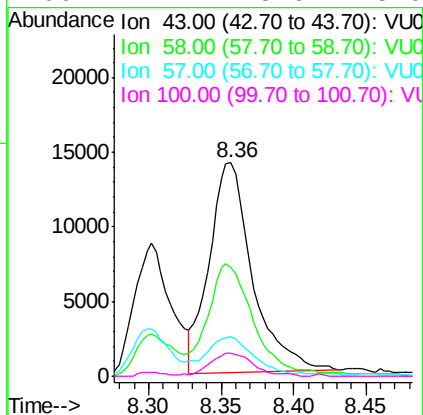
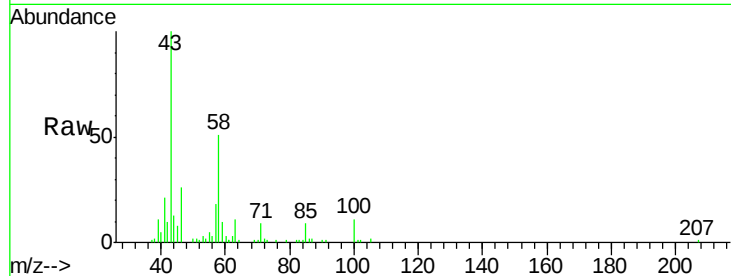
#48
2-Hexanone
Concen: 3.420 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	54.3	45.2	67.8	
57	18.7	15.7	23.5	
100	11.2	8.6	13.0	

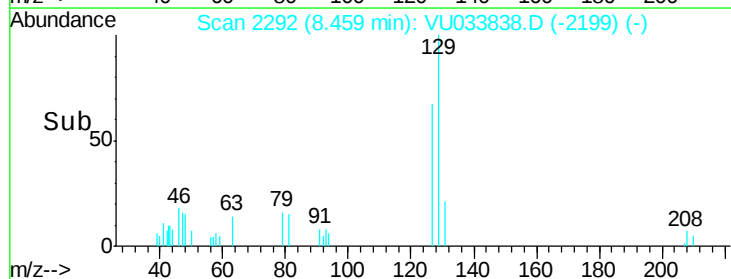
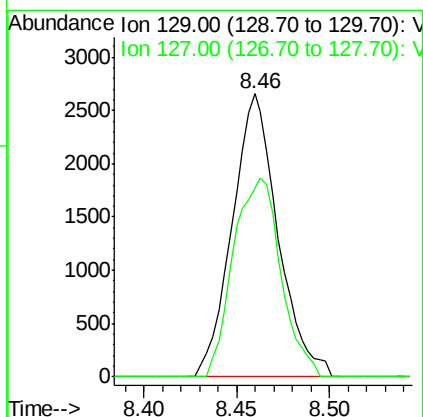
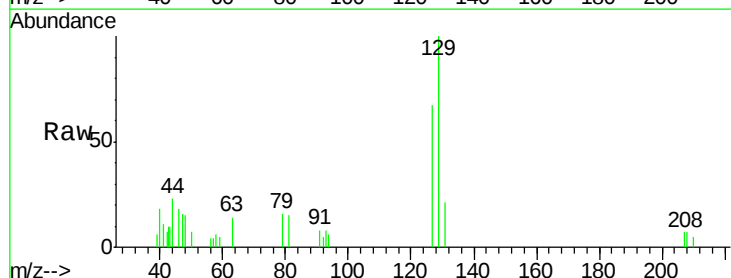
Manual Integrations
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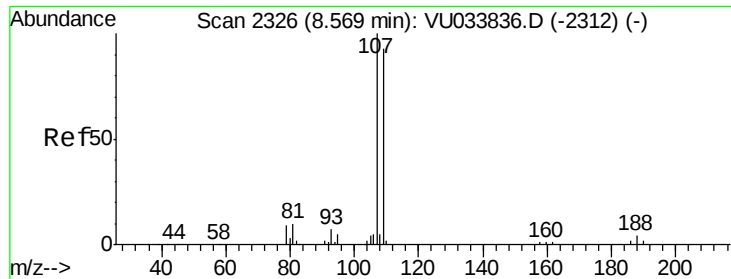
MMDadoda
8/20/2019 8:38:09 AM



#49
Dibromochloromethane
Concen: 0.257 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	66.7	54.2	100.6	





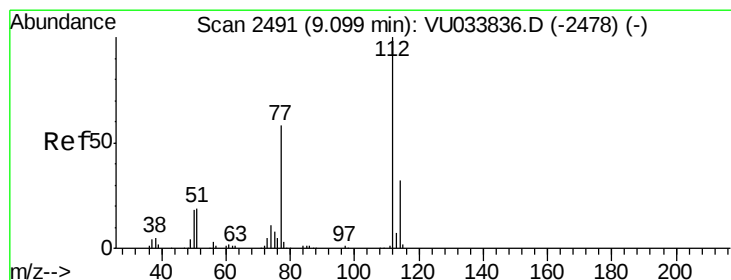
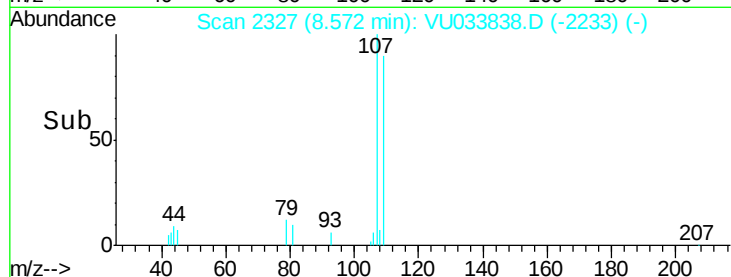
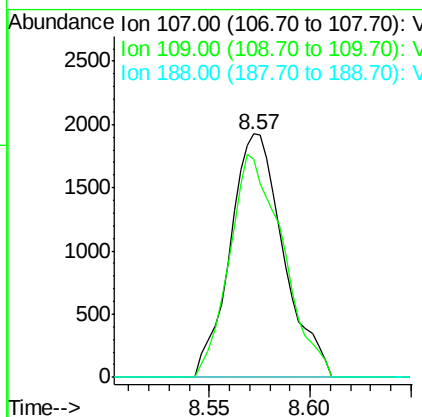
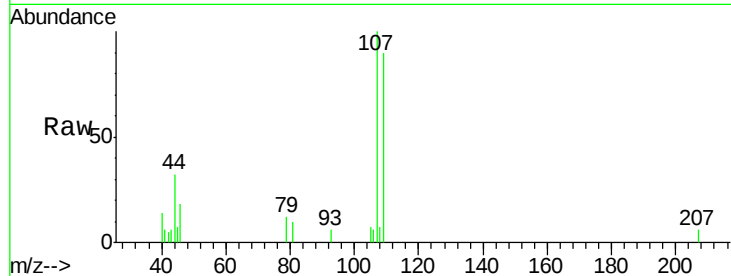
#50
1,2-Dibromoethane
Concen: 0.252 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.7	68.3	126.8
188	0.0	3.0	4.6#

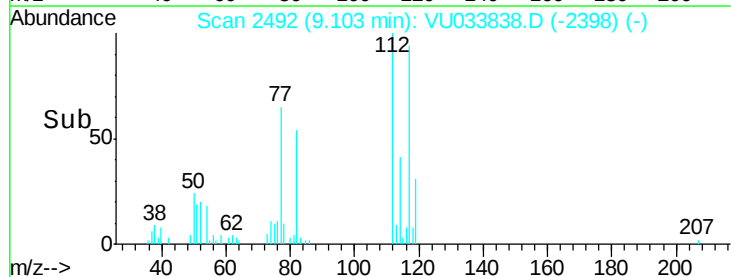
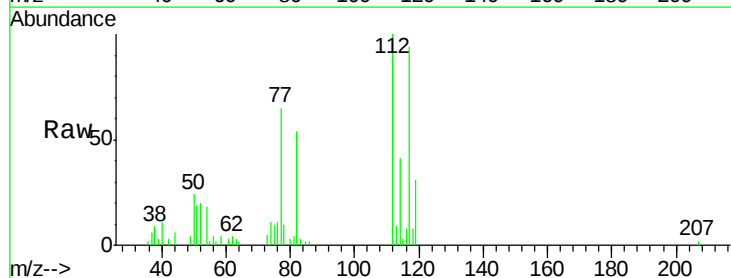
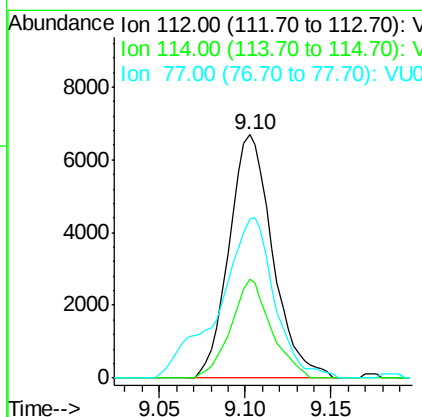
Manual Integrations
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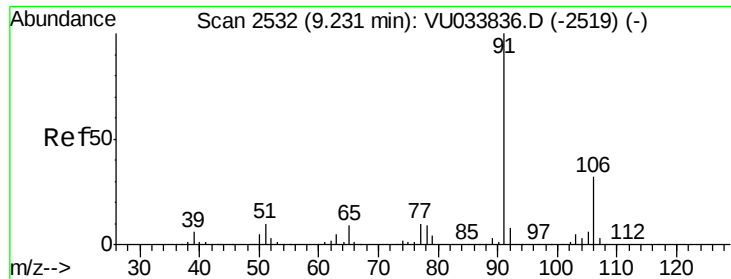
MMDadoda
8/20/2019 8:38:09 AM



#51
Chlorobenzene
Concen: 0.231 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	40.8	22.5	41.7
77	65.2	45.3	67.9





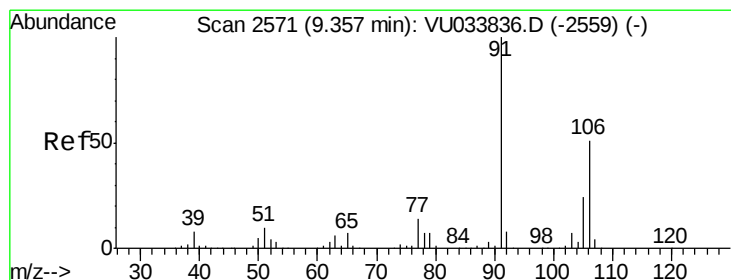
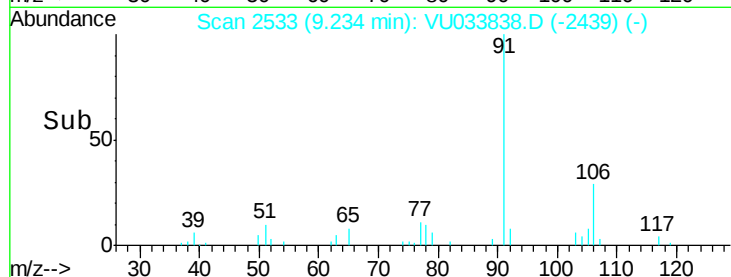
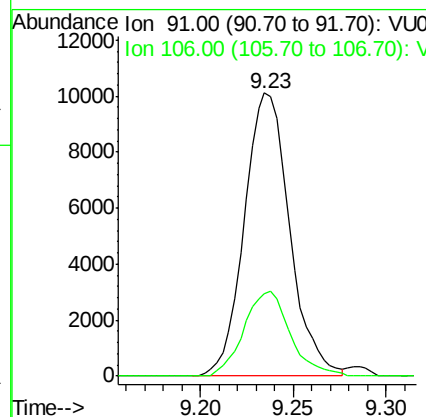
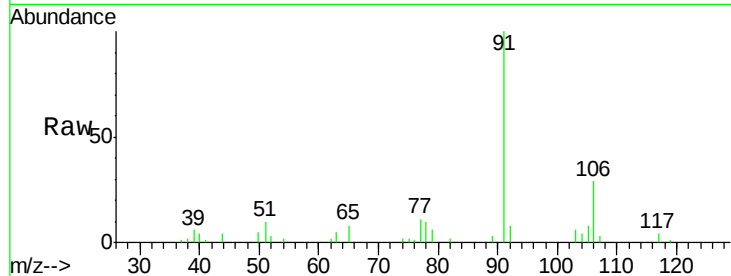
#52
Ethylbenzene
Concen: 0.209 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 91 Resp: 17169
Ion Ratio Lower Upper
91 100
106 29.0 21.6 40.0

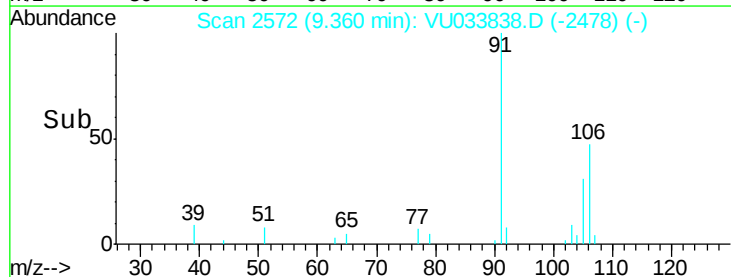
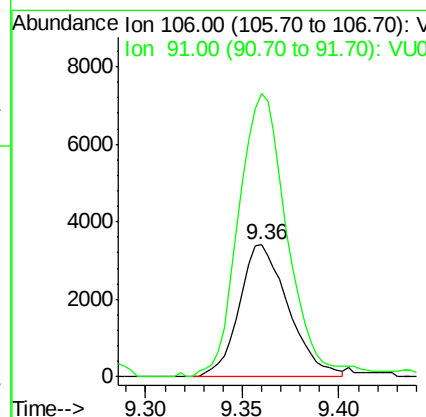
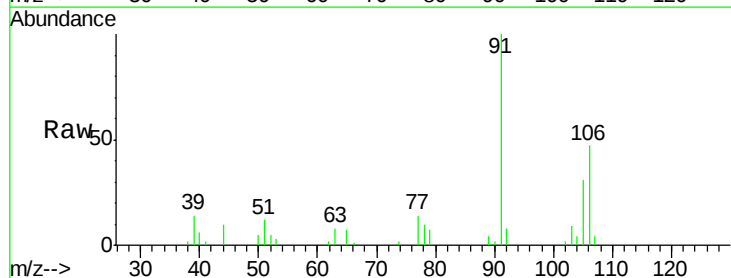
Manual Integrations
APPROVED

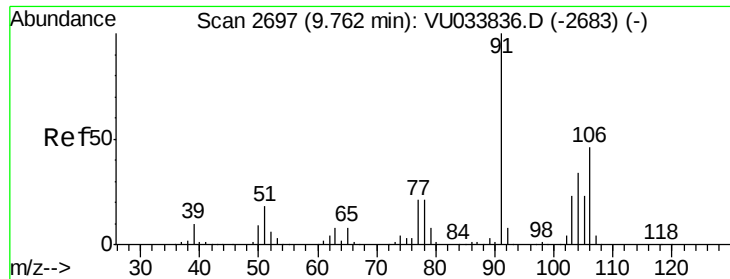
MMDadoda
8/20/2019 8:38:09 AM



#53
m,p-Xylene
Concen: 0.195 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion: 106 Resp: 6022
Ion Ratio Lower Upper
106 100
91 214.5 142.7 265.1





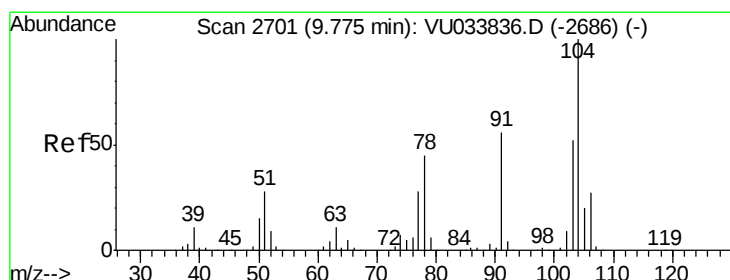
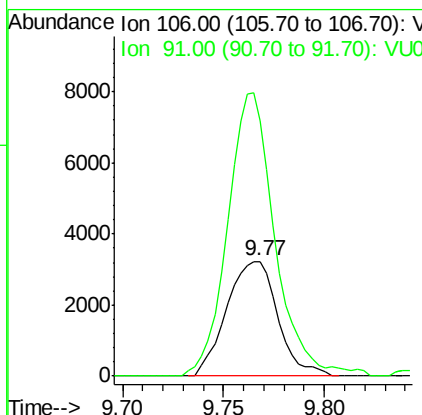
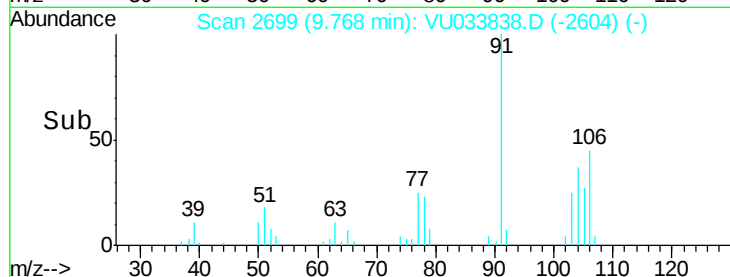
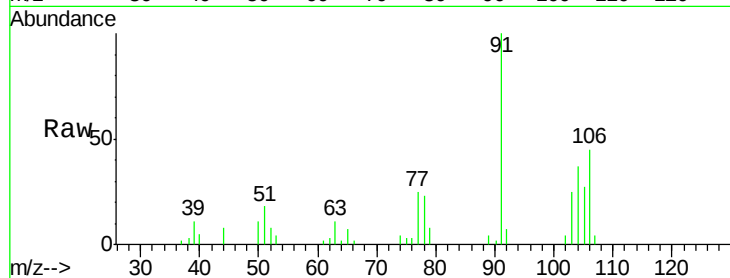
#54
o-Xylene
Concen: 0.195 ug/L
RT: 9.77 min Scan# 2699
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion:106 Resp: 5740
Ion Ratio Lower Upper
106 100
91 222.1 149.5 277.7

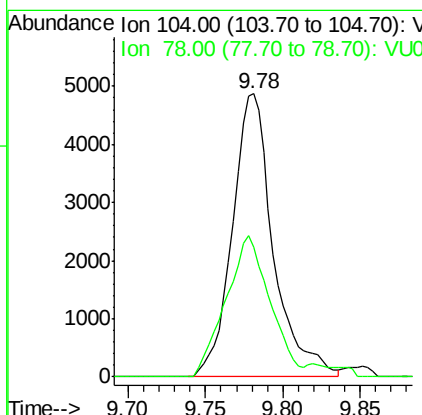
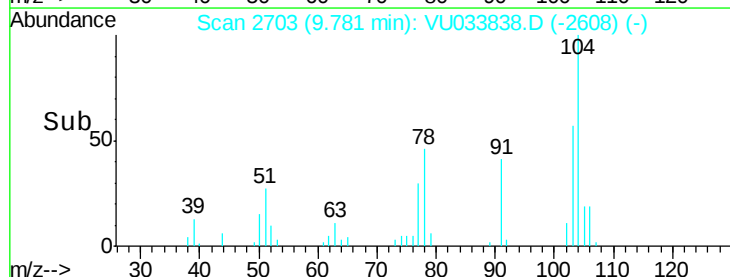
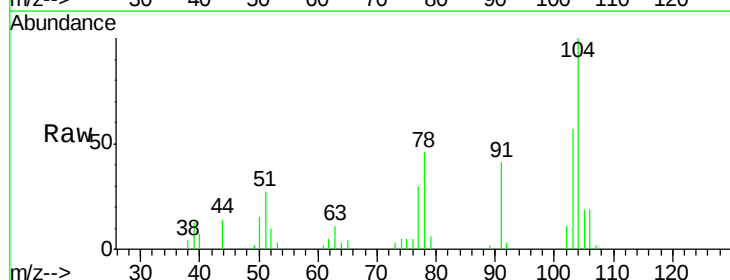
Manual Integrations
APPROVED

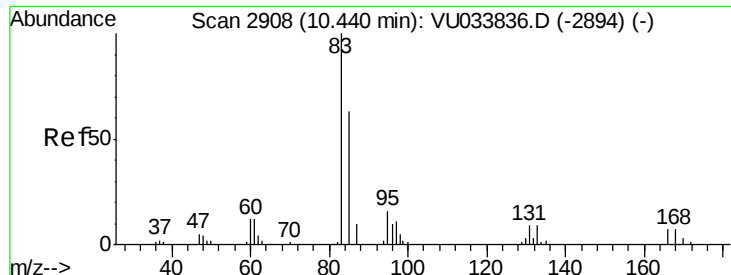
MMDadoda
8/20/2019 8:38:09 AM



#55
Styrene
Concen: 0.175 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion:104 Resp: 8937
Ion Ratio Lower Upper
104 100
78 45.7 31.8 59.0





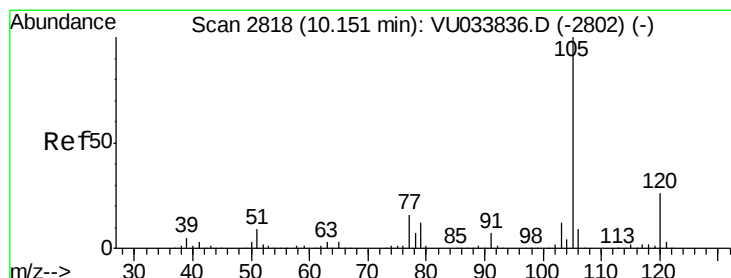
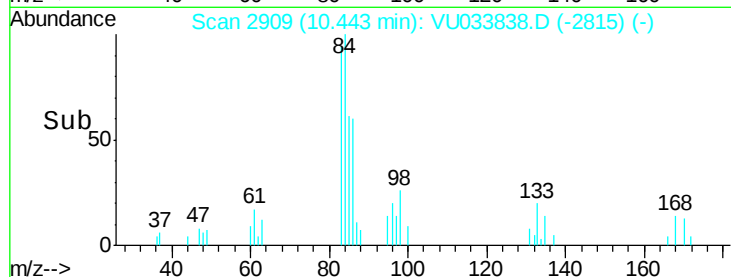
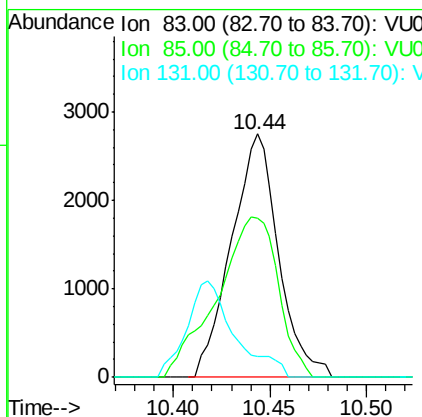
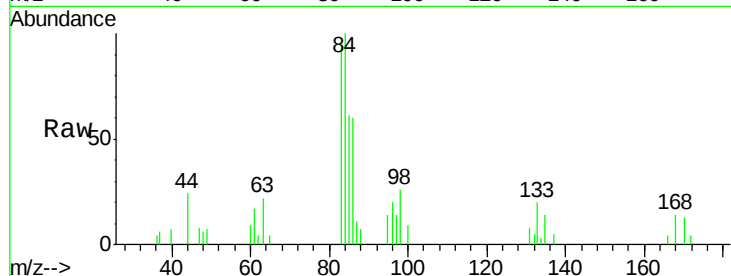
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.243 ug/L
 RT: 10.44 min Scan# 2909
 Delta R.T. 0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	83	Resp	4660
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	44.4	82.4
131	8.4	7.6	11.4

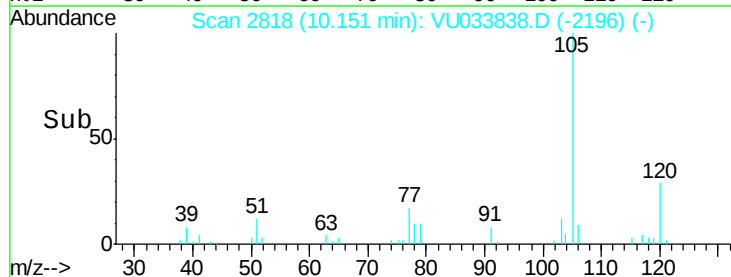
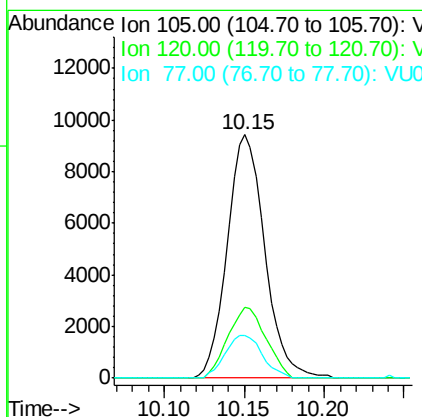
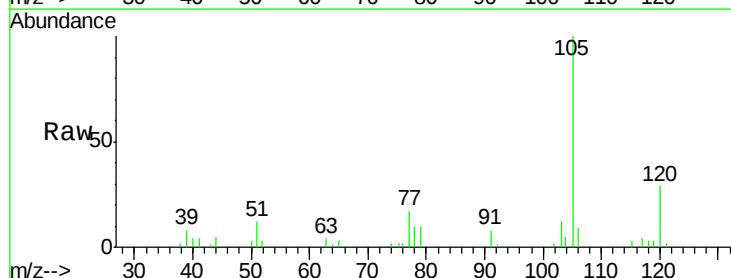
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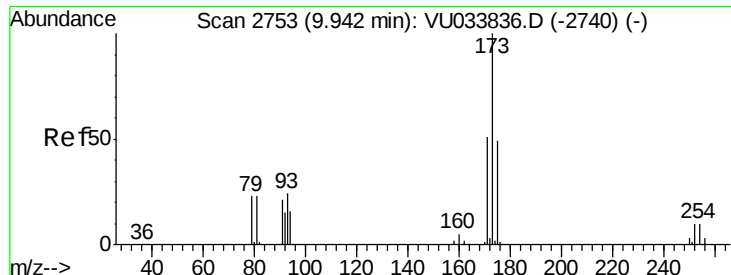
MMDadoda
 8/20/2019 8:38:09 AM



#59
 Isopropylbenzene
 Concen: 0.227 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. -0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Tgt Ion	105	Resp	15091
Ion Ratio	100	Lower	Upper
105	100		
120	29.1	21.5	32.3
77	17.3	12.8	19.2





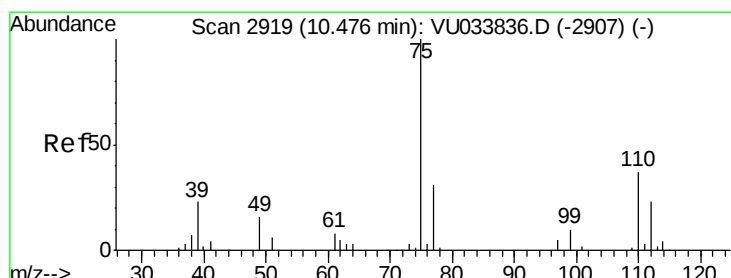
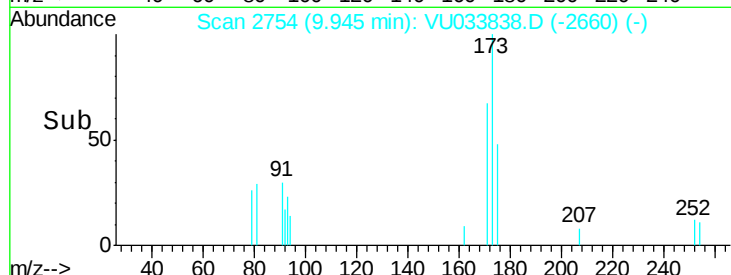
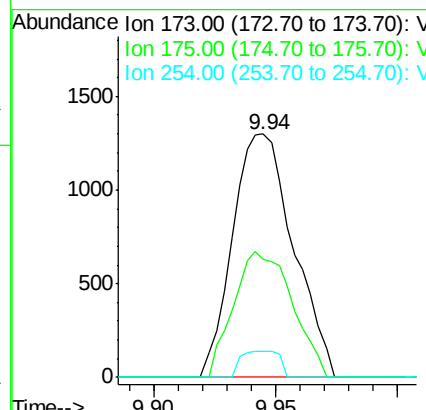
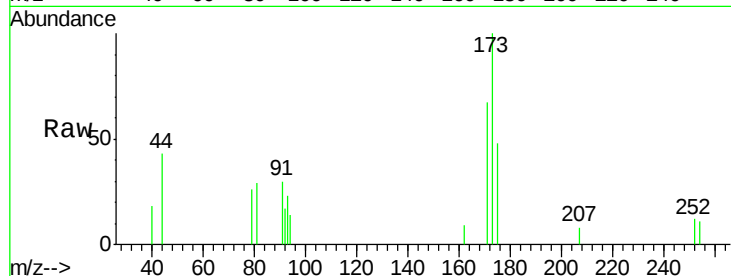
#60
Bromoform
Concen: 0.252 ug/L
RT: 9.94 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	50.0	36.6	55.0	
254	6.8	7.0	10.4	

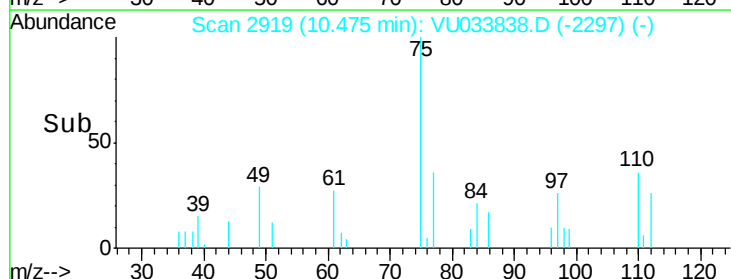
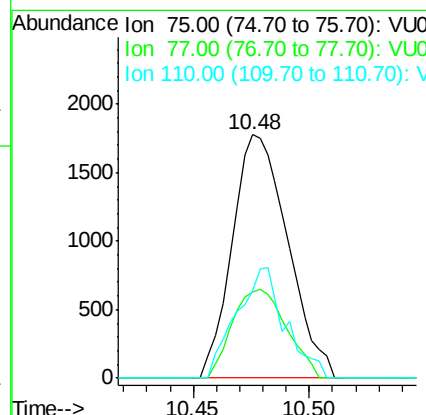
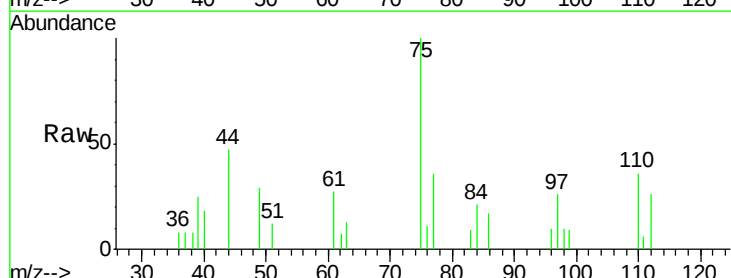
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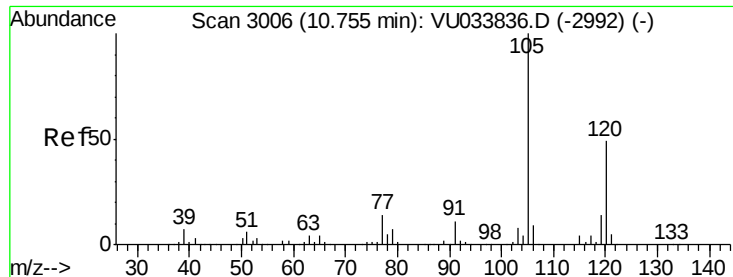
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#61
1,2,3-Trichloropropane
Concen: 0.254 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
77	35.7	25.8	38.6	
110	39.9	28.9	43.3	





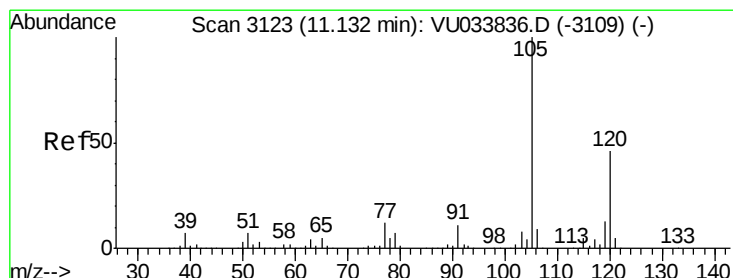
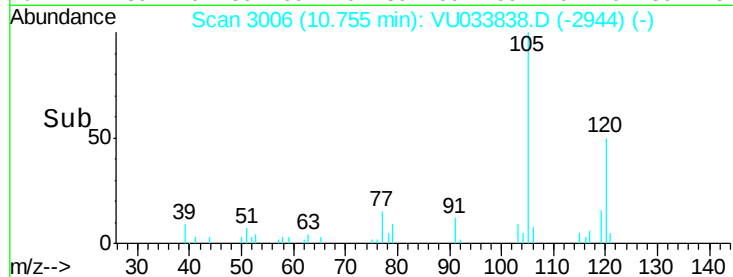
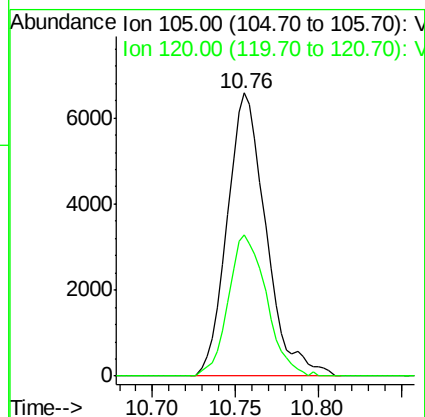
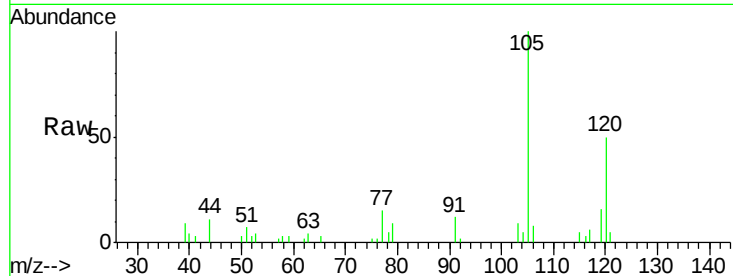
#62
 1,3,5-Trimethylbenzene
 Concen: 0.198 ug/L
 RT: 10.76 min Scan# 3006
 Delta R.T. -0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.9	38.6	58.0

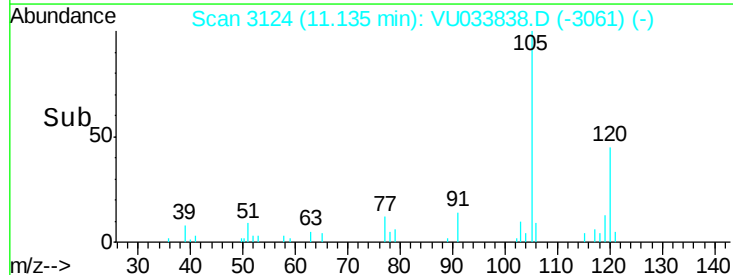
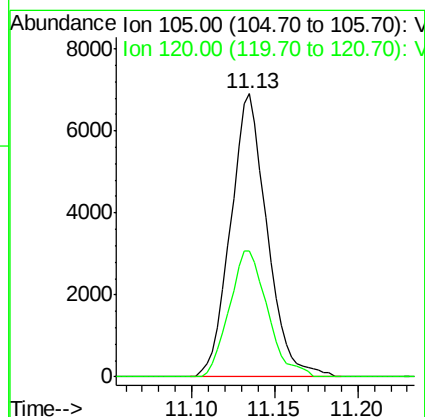
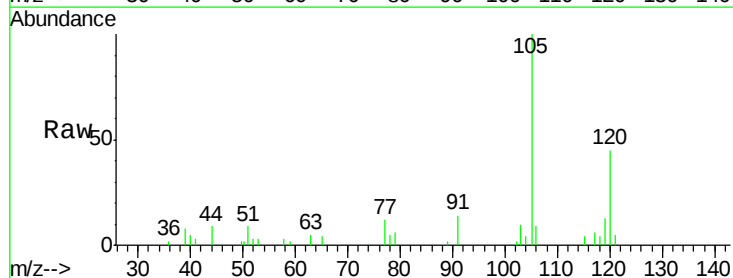
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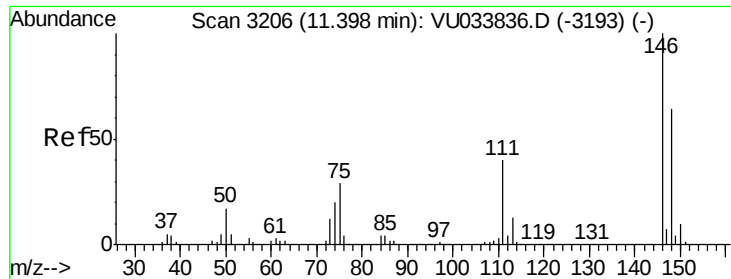
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.197 ug/L
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	36.5	54.7





#64

1,3-Dichlorobenzene

Concen: 0.267 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

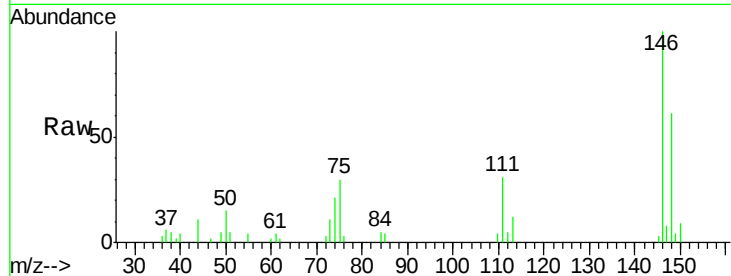
ClientSampleId :

MDL06

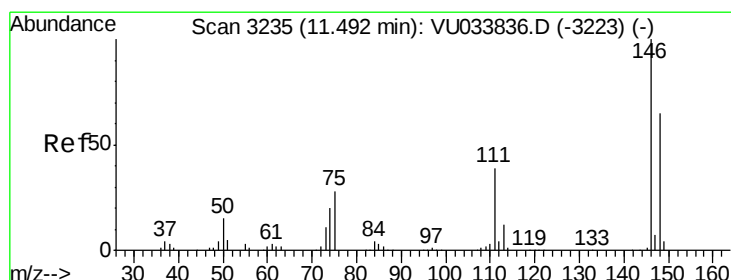
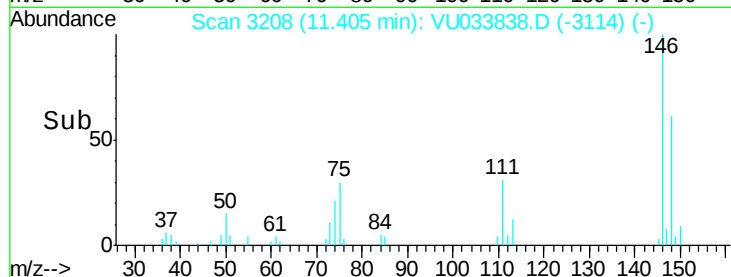
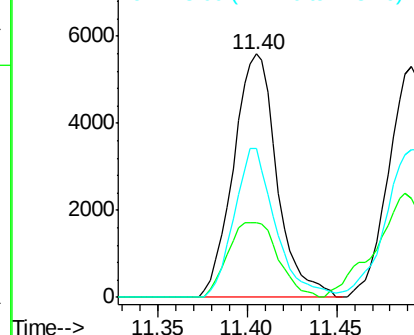
Tot Ion:	146	Resp:	9506
Ion Ratio	Lower	Upper	
146	100		
111	30.7	28.5	52.9
148	61.0	44.6	82.8

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.259 ug/L

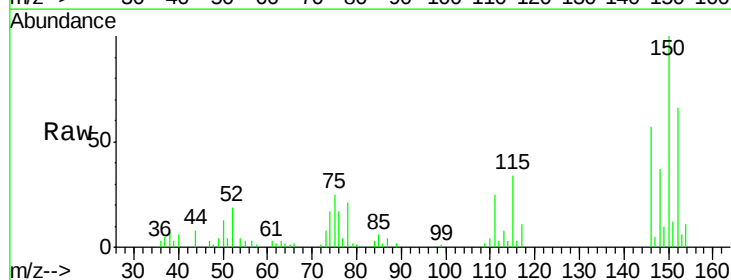
RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

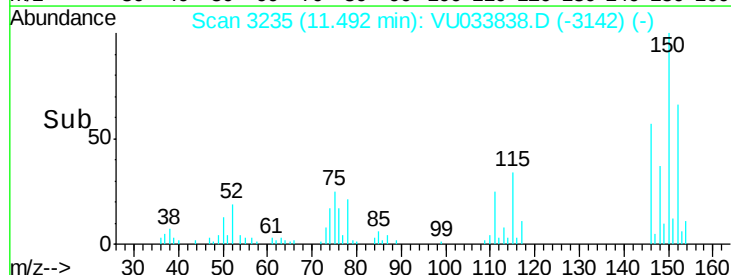
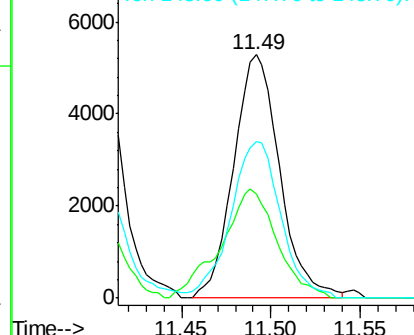
Lab File: VU033838.D

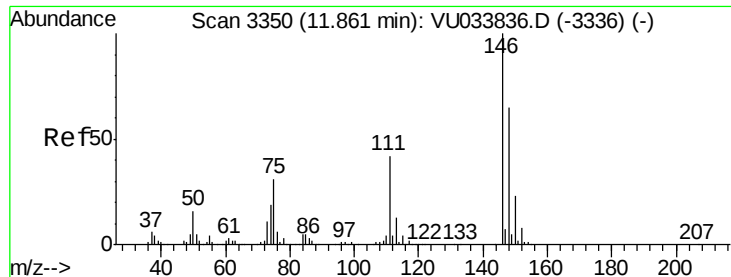
Acq: 19 Aug 2019 09:52

Tgt Ion:	146	Resp:	9511
Ion Ratio	Lower	Upper	
146	100		
111	43.0	26.2	48.8
148	64.4	44.2	82.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dichlorobenzene

Concen: 0.289 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Instrument :

MSVOA_U

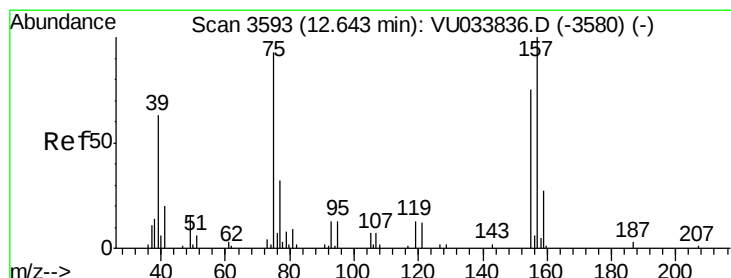
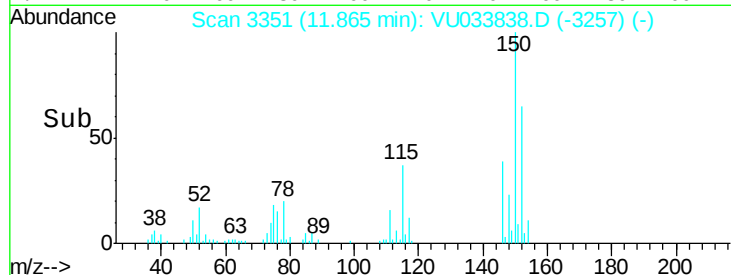
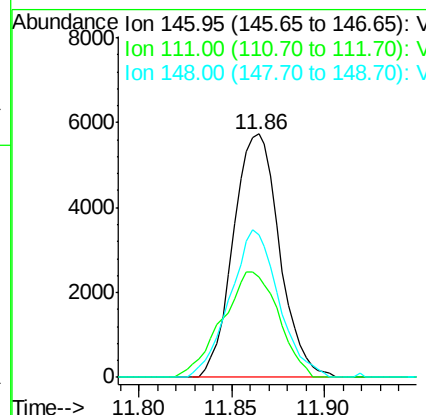
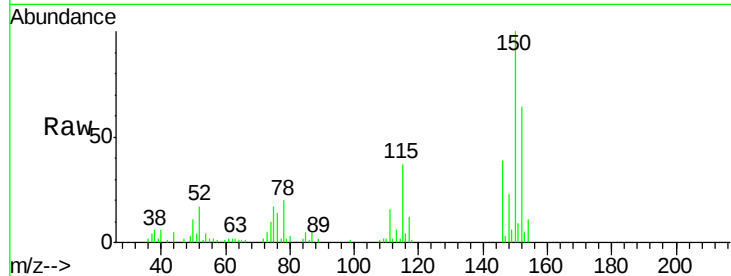
ClientSampled :

MDL06

Tot Ion:	146	Resp:	9919
Ion Ratio	Lower	Upper	
146	100		
111	41.1	32.7	49.1
148	58.8	50.6	76.0

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#68

1,2-Dibromo-3-chloropropane

Concen: 0.242 ug/L

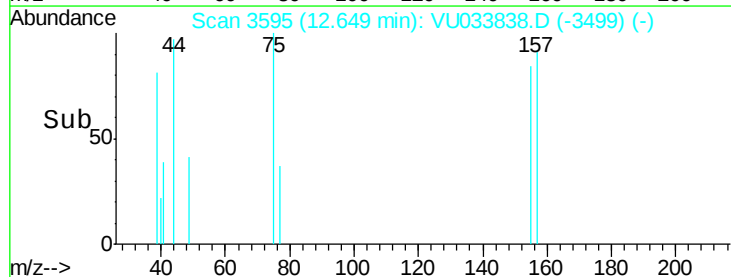
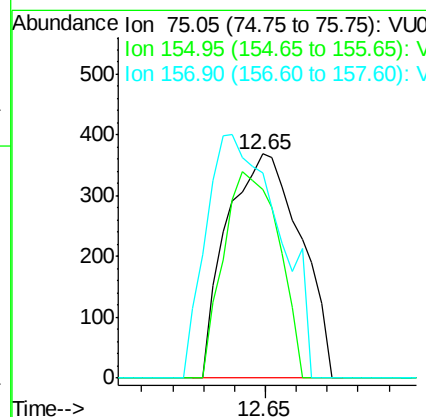
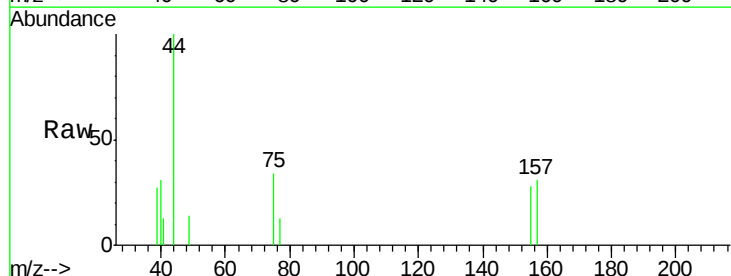
RT: 12.65 min Scan# 3595

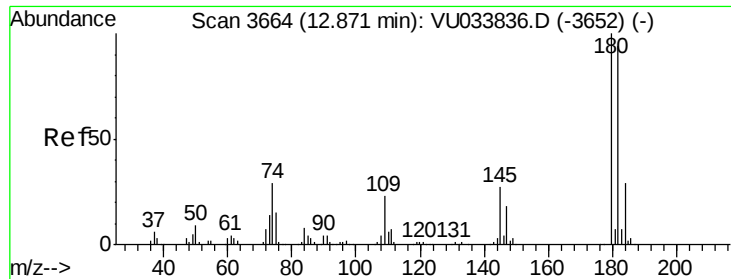
Delta R.T. 0.01 min

Lab File: VU033838.D

Acq: 19 Aug 2019 09:52

Tgt Ion:	75	Resp:	612
Ion Ratio	Lower	Upper	
75	100		
155	84.0	67.3	100.9
157	91.3	85.3	127.9





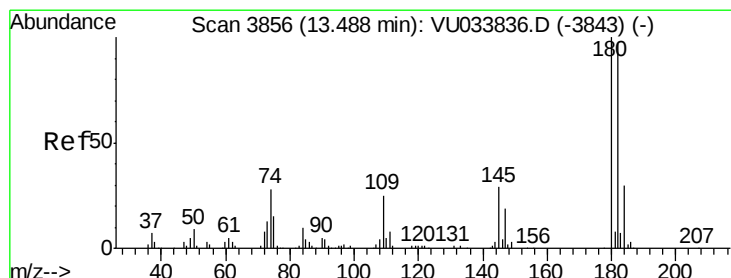
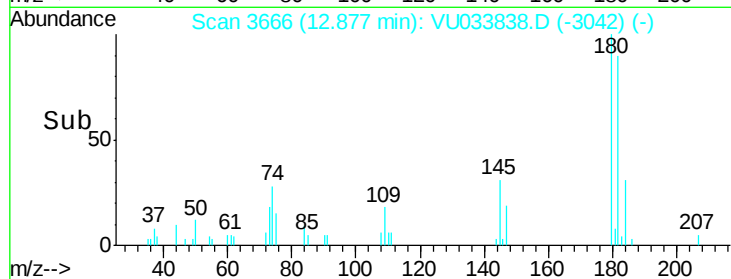
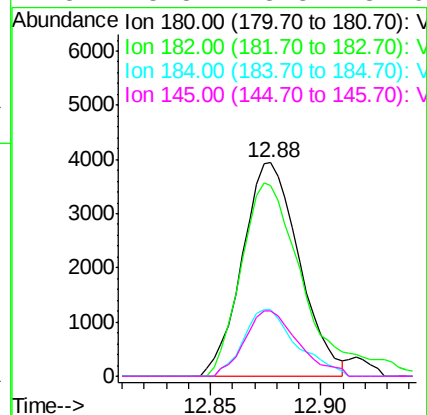
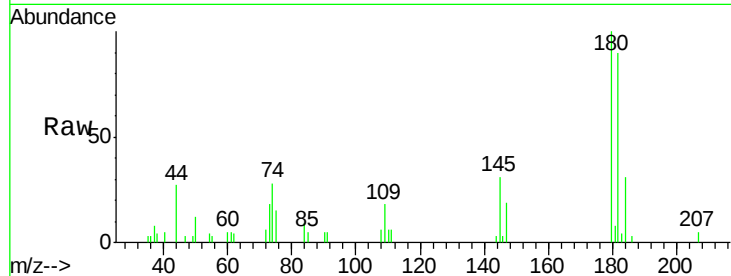
#69
 1,3,5-Trichlorobenzene
 Concen: 0.251 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:	180	Resp:	7026
Ion	Ratio	Lower	Upper
180	100		
182	100.6	76.6	114.8
184	29.4	24.4	36.6
145	28.8	23.3	34.9

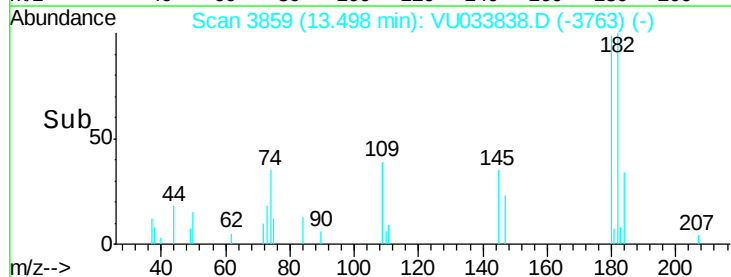
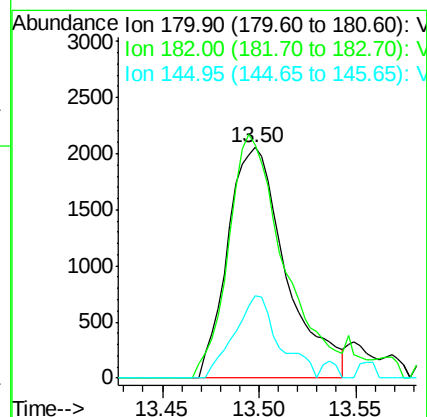
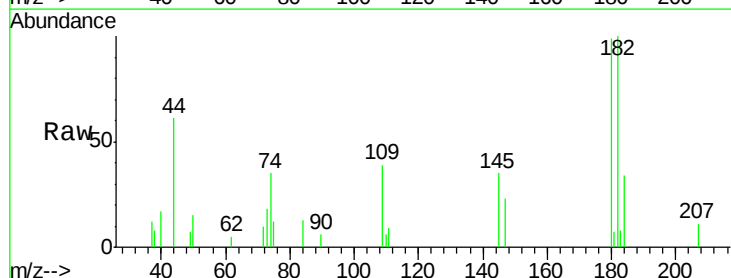
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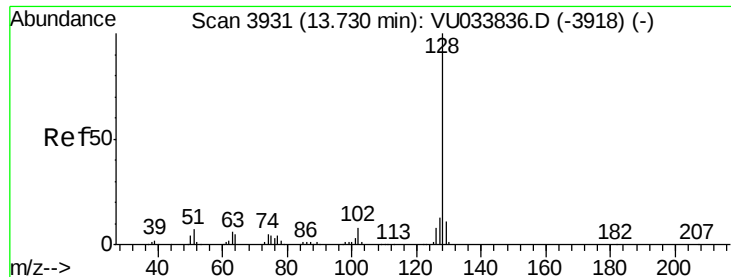
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#70
 1,2,4-trichlorobenzene
 Concen: 0.198 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033838.D
 Acq: 19 Aug 2019 09:52

Tgt Ion:	180	Resp:	4308
Ion	Ratio	Lower	Upper
180	100		
182	100.8	77.4	116.2
145	27.3	23.5	35.3





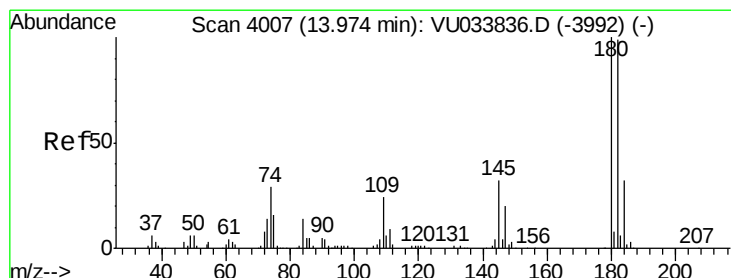
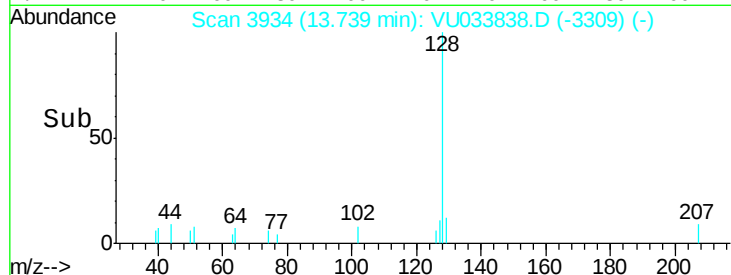
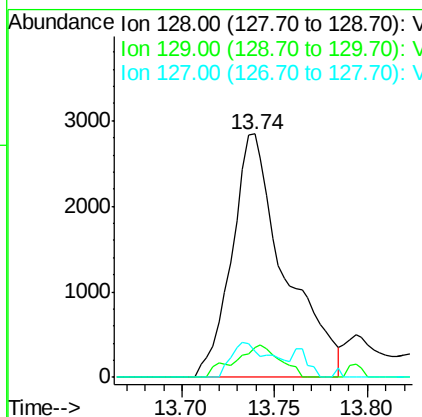
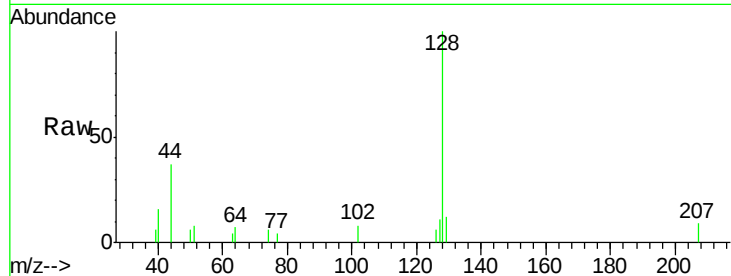
#71
Naphthalene
Concen: 0.168 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.5	12.7
127	11.0	11.2	16.8#

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#72
1,2,3-Trichlorobenzene
Concen: 0.216 ug/L
RT: 13.98 min Scan# 4009
Delta R.T. 0.01 min
Lab File: VU033838.D
Acq: 19 Aug 2019 09:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.1	75.7	113.5
145	25.2	24.3	36.5

