

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081519\
 Data File : VU033804.D
 Acq On : 15 Aug 2019 11:50
 Operator : JC/SP
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 12:45:08 PM

Quant Time: Aug 16 12:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 01:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	187420	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	194179	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	89599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	83914	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.67	69	71243	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.26	65	38629	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.19	46	188652	46.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.06%
24) Chloroform-d	4.62	84	134594	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.29	65	74530	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	5.32	84	251021	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.31	67	83304	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.55	98	210050	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.60%
43) trans-1,3-Dichloropropene-	7.84	79	31079	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.30	63	129643	43.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.90%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	70144	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.80%
66) 1,2-Dichlorobenzene-d4	11.85	152	86307	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	5944	0.219 ug/L	97
3) Chloromethane	1.32	50	7662	0.272 ug/L	94
5) Vinyl chloride	1.39	62	8166	0.266 ug/L #	71
6) Bromomethane	1.62	94	4855	0.271 ug/L	93
8) Chloroethane	1.69	64	4979	0.274 ug/L	100
9) Trichlorofluoromethane	1.87	101	10666	0.253 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	6760	0.302 ug/L	89
12) 1,1-Dichloroethene	2.27	96	6888	0.319 ug/L #	1
13) Acetone	2.35	43	14003m	3.206 ug/L	
14) Carbon disulfide	2.46	76	20283	0.277 ug/L	99
15) Methyl Acetate	2.61	43	3559m	0.313 ug/L	
16) Methylene chloride	2.68	84	9862	0.391 ug/L	88
17) Methyl tert-butyl Ether	2.98	73	14262	0.255 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	6935	0.299 ug/L	85
19) 1,1-Dichloroethane	3.42	63	9211	0.254 ug/L	92
21) 2-Butanone	4.28	43	11140m	2.060 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	4868	0.246 ug/L	88

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Quant Time: Aug 16 12:10:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 01:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	2293	0.242	ug/L	91
25) Chloroform	4.65	83	14469	0.371	ug/L	97
27) 1,2-Dichloroethane	5.39	62	6075	0.253	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	7743	0.245	ug/L	98
30) Cyclohexane	4.97	56	6038	0.211	ug/L	97
31) Carbon tetrachloride	5.11	117	7007	0.249	ug/L	96
33) Benzene	5.37	78	19888	0.256	ug/L	100
34) Trichloroethene	6.17	95	5331	0.262	ug/L	92
35) Methylcyclohexane	6.39	83	6152	0.201	ug/L	98
37) 1,2-Dichloropropane	6.42	63	5430	0.259	ug/L	98
38) Bromodichloromethane	6.74	83	6959	0.263	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	6273	0.221	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	25316	2.087	ug/L #	88
42) Toluene	7.62	91	19200	0.235	ug/L	90
44) trans-1,3-Dichloropropene	7.87	75	5464	0.231	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	3373	0.225	ug/L	95
47) Tetrachloroethene	8.21	164	4059	0.239	ug/L	95
48) 2-Hexanone	8.36	43	27092	3.089	ug/L	96
49) Dibromochloromethane	8.46	129	4474	0.246	ug/L	87
50) 1,2-Dibromoethane	8.57	107	3523	0.243	ug/L #	95
51) Chlorobenzene	9.10	112	12890	0.245	ug/L	97
52) Ethylbenzene	9.23	91	18219	0.216	ug/L	99
53) m,p-Xylene	9.36	106	6433	0.202	ug/L	99
54) o-Xylene	9.76	106	6086	0.201	ug/L	97
55) Styrene	9.78	104	9886	0.188	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	4773	0.242	ug/L #	96
59) Isopropylbenzene	10.15	105	15013	0.220	ug/L	99
60) Bromoform	9.94	173	2565	0.280	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3323	0.279	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	10789	0.195	ug/L	100
63) 1,2,4-Trimethylbenzene	11.13	105	10944	0.198	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	9517	0.261	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	10557	0.281	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	9897	0.281	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	6923	0.241	ug/L	97
70) 1,2,4-trichlorobenzene	13.50	180	4360	0.195	ug/L	96
71) Naphthalene	13.74	128	6336m	0.184	ug/L	
72) 1,2,3-Trichlorobenzene	13.98	180	4586	0.218	ug/L	96

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

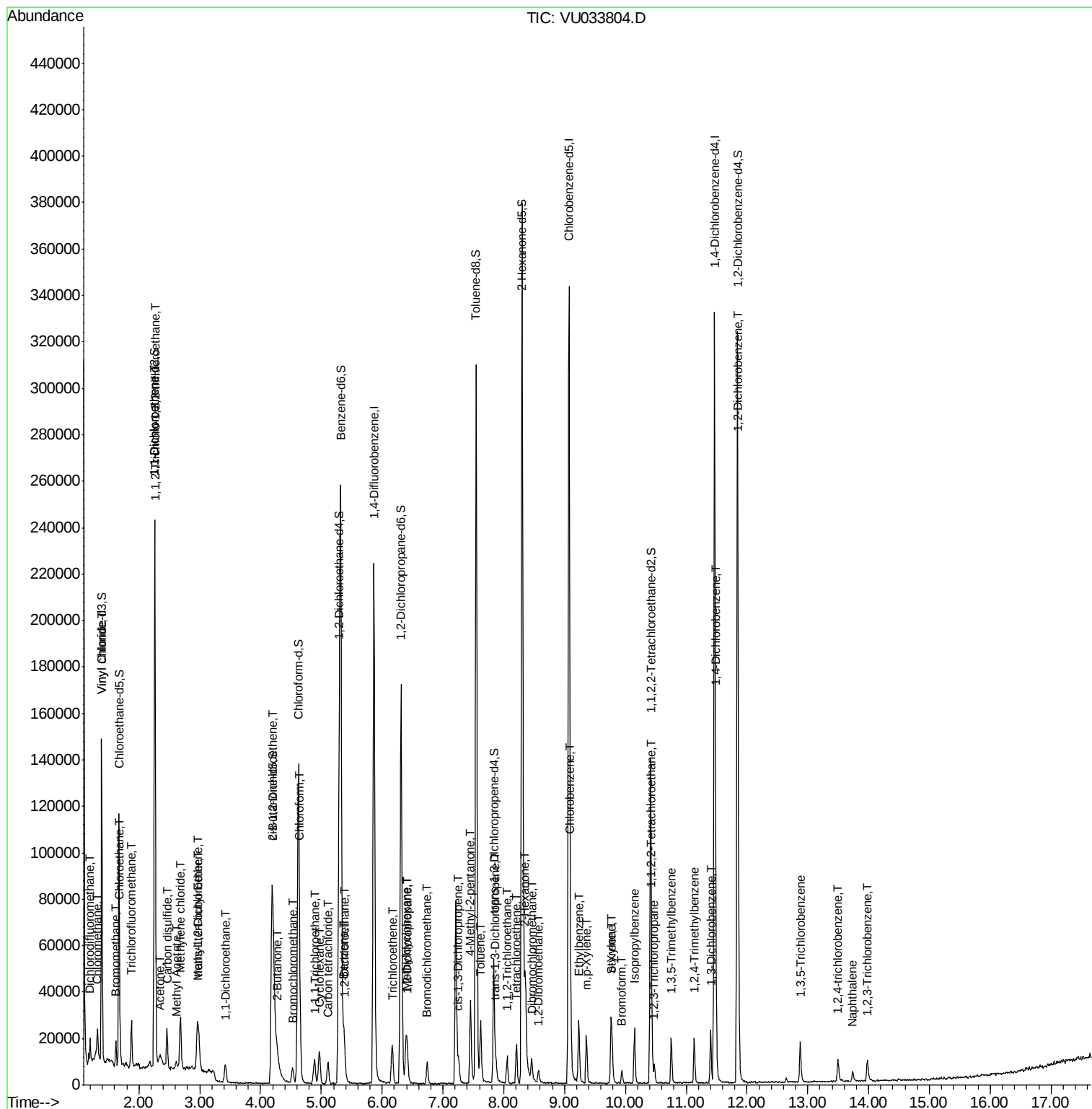
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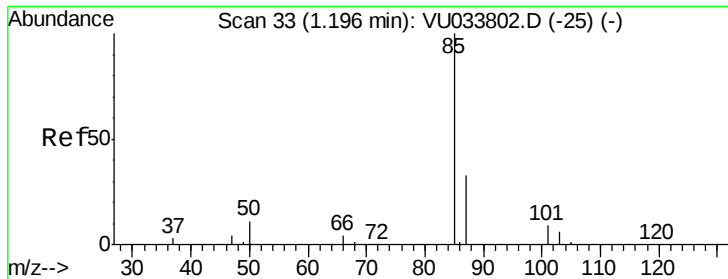
Instrument :
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.219 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 5944

Ion Ratio Lower Upper

85 100

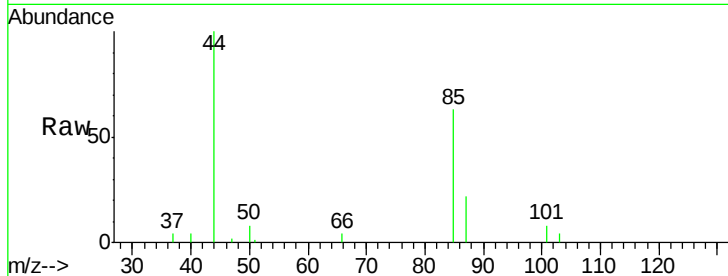
87 33.4 25.6 38.4

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VU033804.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033804.D (-1) (-)

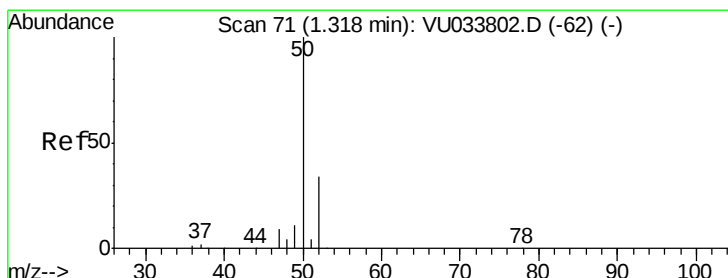
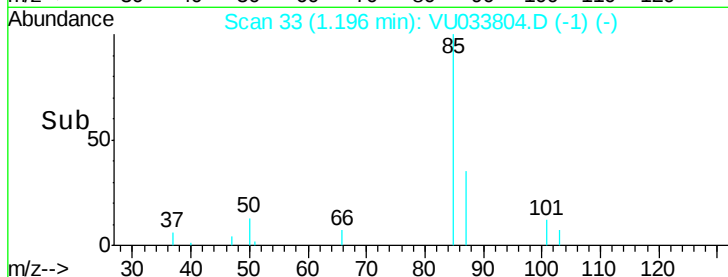
6000

4000

2000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 0.272 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033804.D

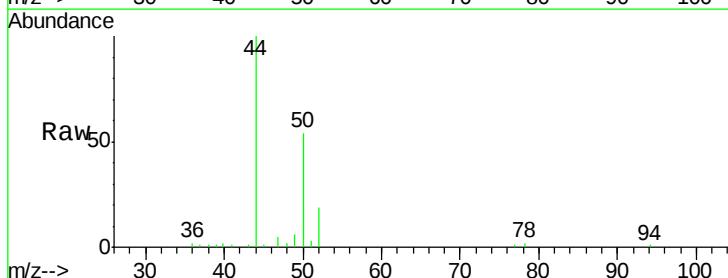
Acq: 15 Aug 2019 11:50

Tgt Ion: 50 Resp: 7662

Ion Ratio Lower Upper

50 100

52 35.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033804.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033804.D (-1) (-)

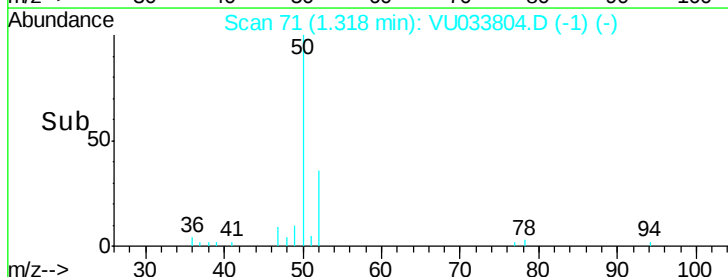
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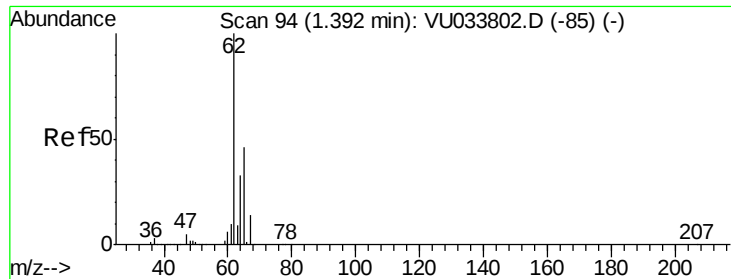
4000

2000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 0.266 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 62 Resp: 8166

Ion Ratio Lower Upper

62 100

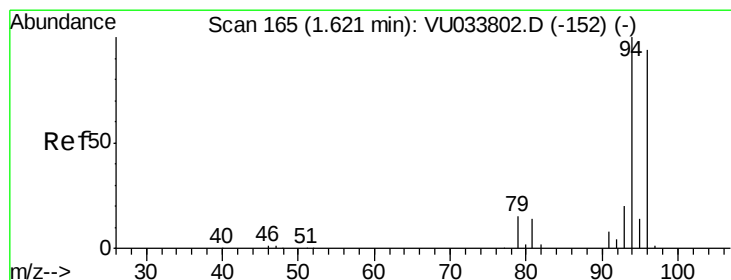
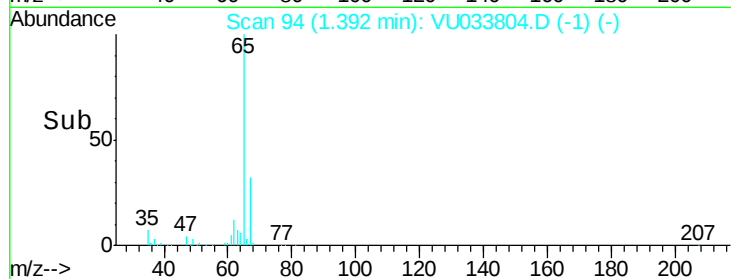
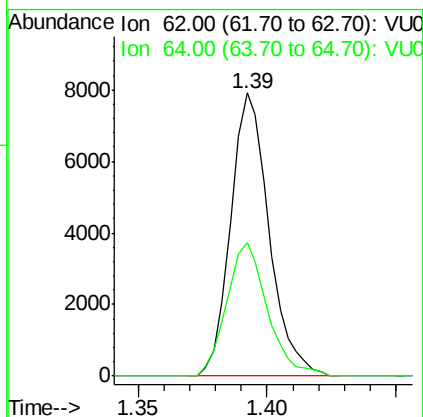
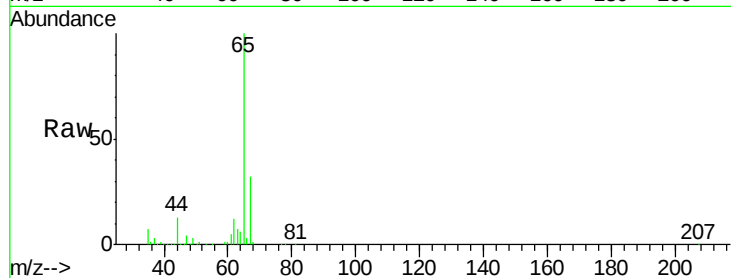
64 47.1 21.9 40.7#

Manual Integrations

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#6

Bromomethane

Concen: 0.271 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033804.D

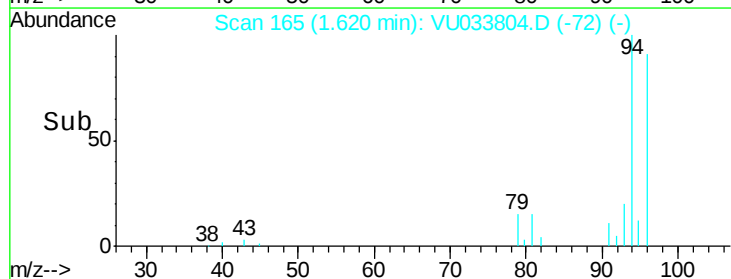
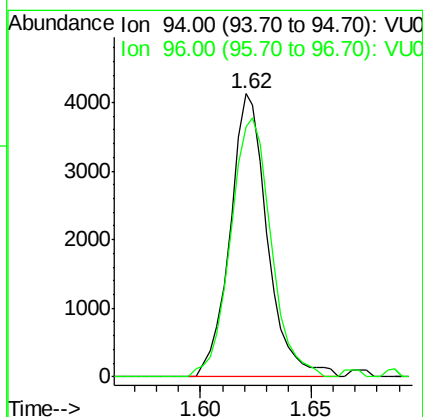
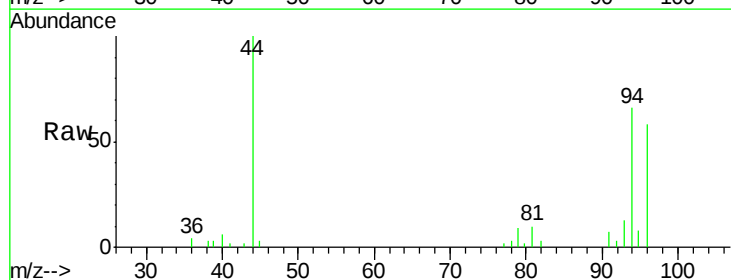
Acq: 15 Aug 2019 11:50

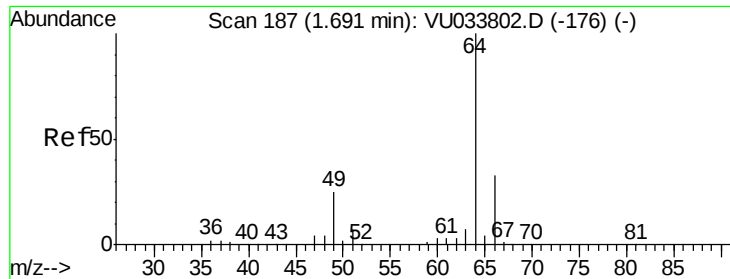
Tgt Ion: 94 Resp: 4855

Ion Ratio Lower Upper

94 100

96 88.4 66.4 123.2





#8

Chloroethane

Concen: 0.274 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 64 Resp: 4979

Ion Ratio Lower Upper

64 100

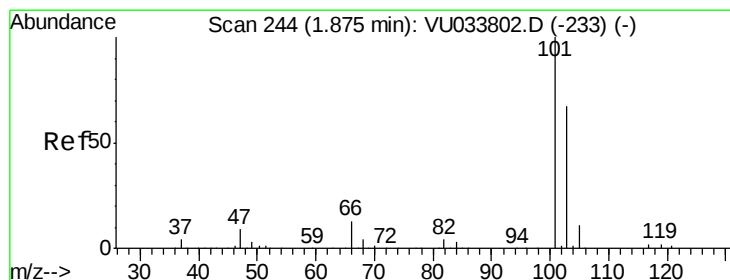
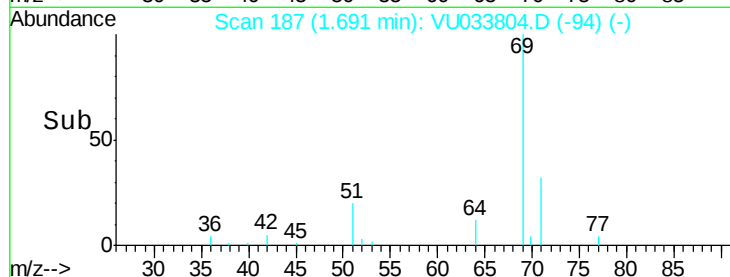
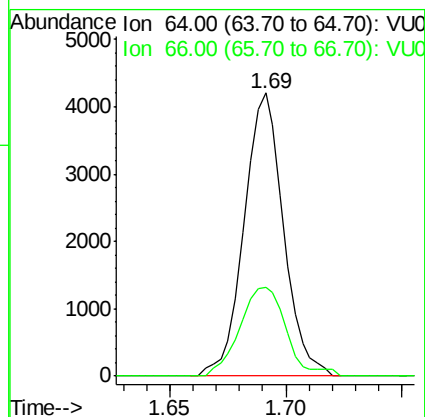
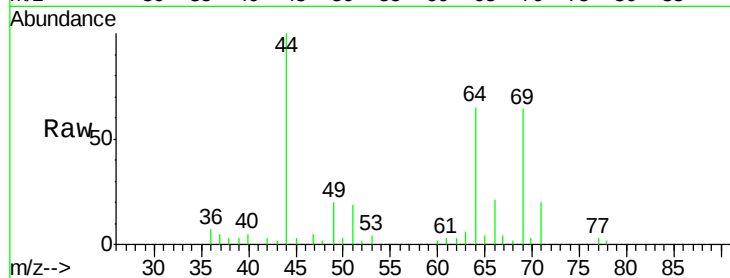
66 31.6 21.9 40.7

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.253 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033804.D

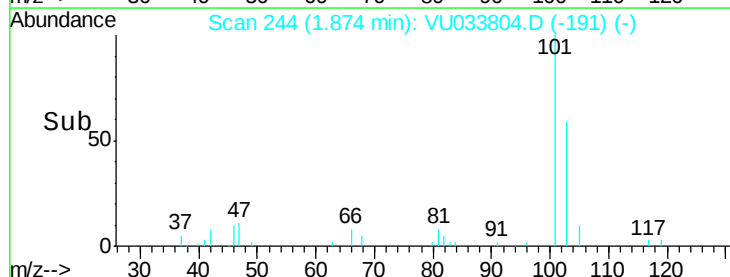
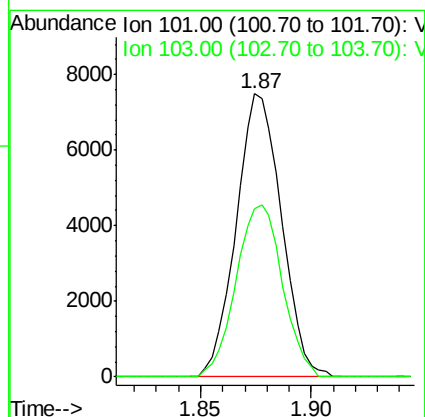
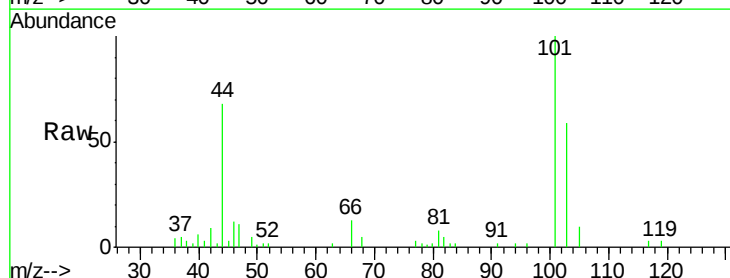
Acq: 15 Aug 2019 11:50

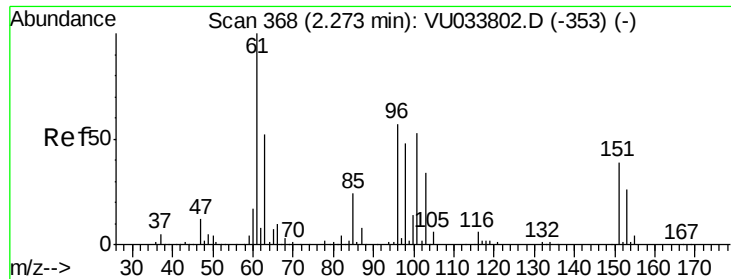
Tgt Ion: 101 Resp: 10666

Ion Ratio Lower Upper

101 100

103 62.2 52.3 78.5





#10

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

Concen: 0.302 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

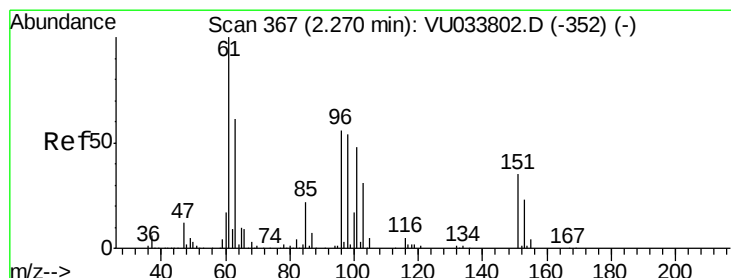
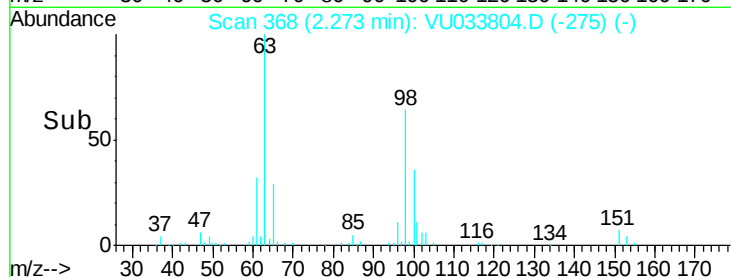
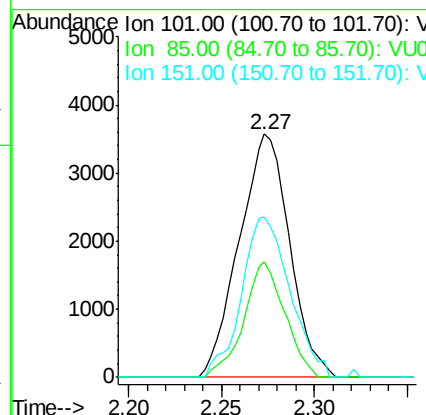
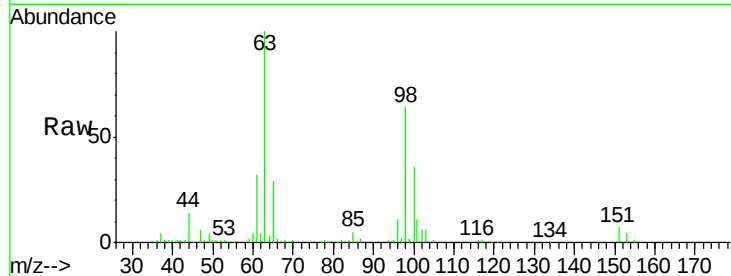
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	6760
Ion Ratio	Lower	Upper	
101	100		
85	38.5	36.2	54.2
151	63.3	58.7	88.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.319 ug/L

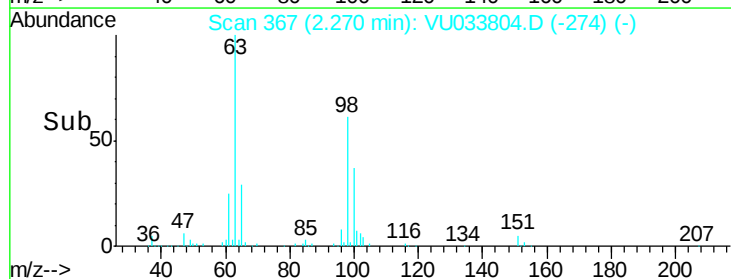
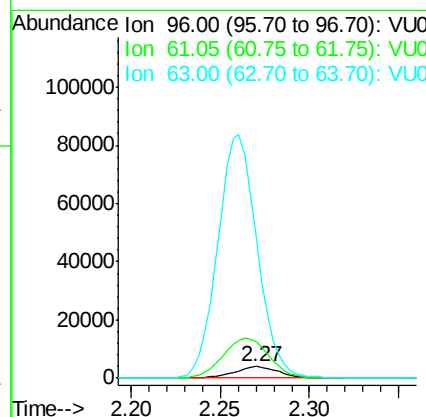
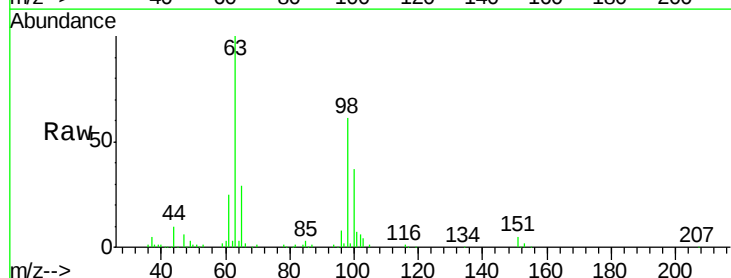
RT: 2.27 min Scan# 367

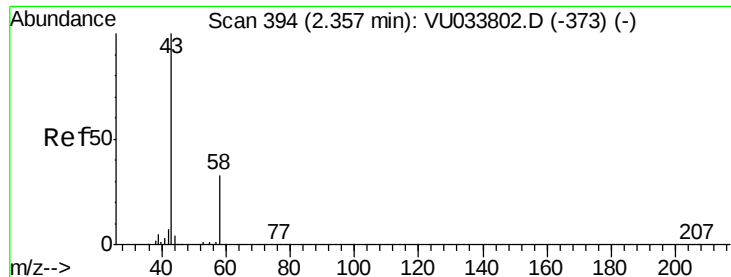
Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion:	96	Resp:	6888
Ion Ratio	Lower	Upper	
96	100		
61	305.0	123.8	230.0#
63	1198.0	78.0	144.9#





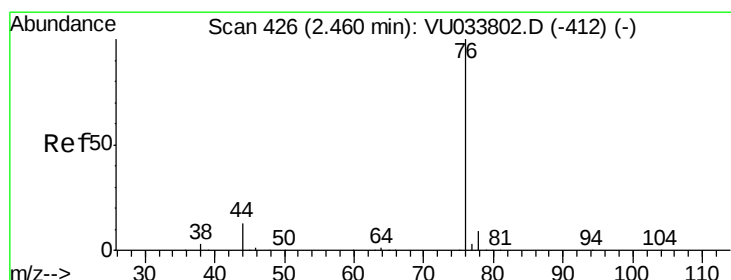
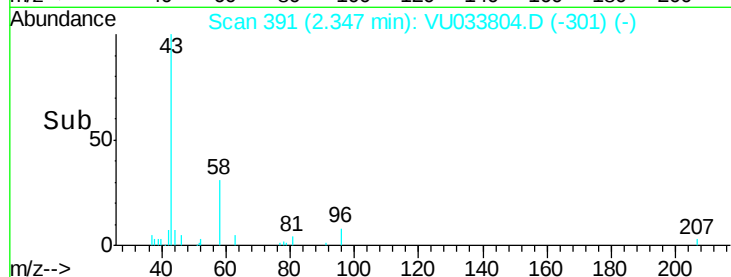
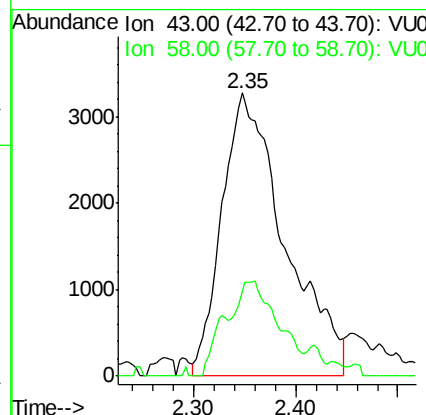
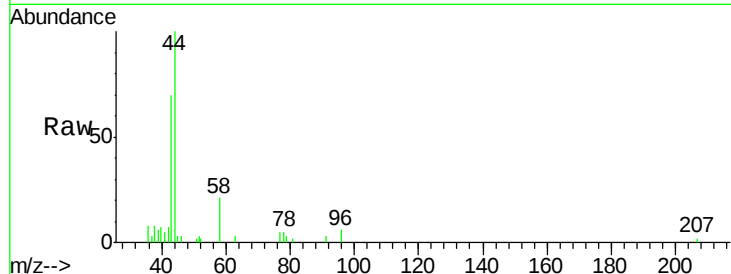
#13
Acetone
Concen: 3.206 ug/L m
RT: 2.35 min Scan# 391
Delta R.T. -0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
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Tot Ion: 43 Resp: 14003
Ion Ratio Lower Upper
43 100
58 0.7 0.0 27.0

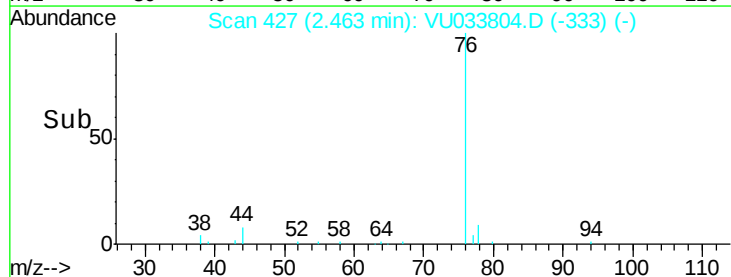
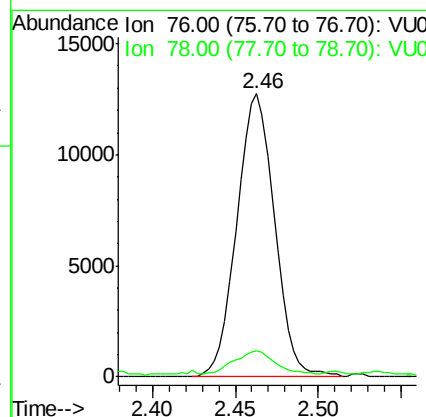
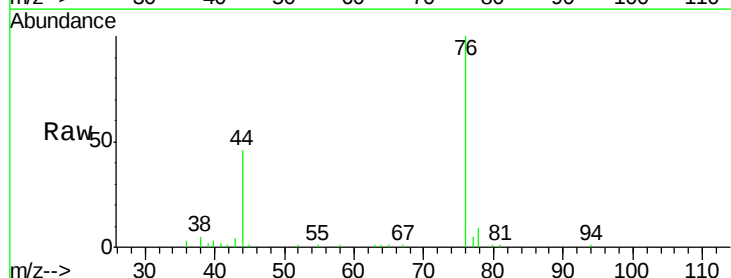
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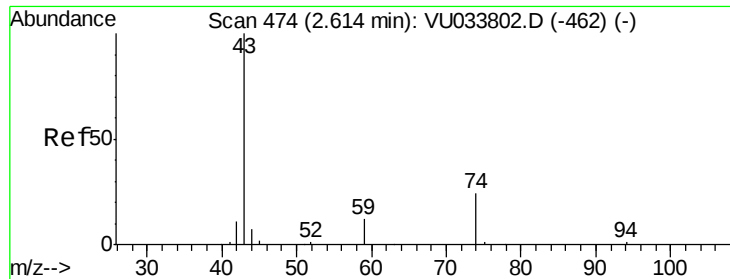
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8/16/2019 12:45:08 PM



#14
Carbon disulfide
Concen: 0.277 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 76 Resp: 20283
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





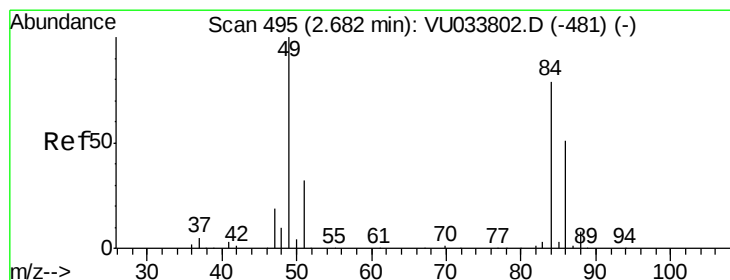
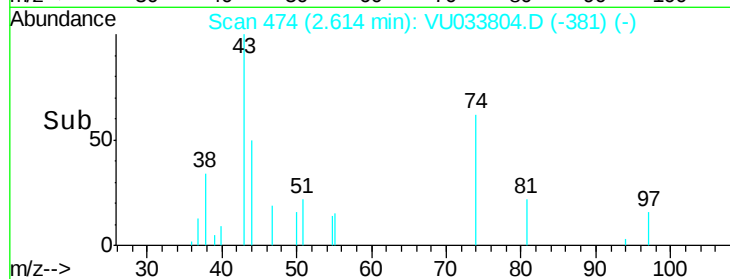
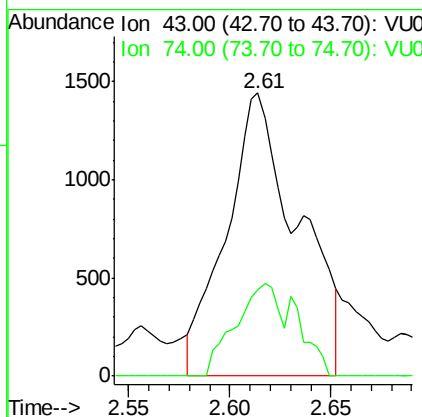
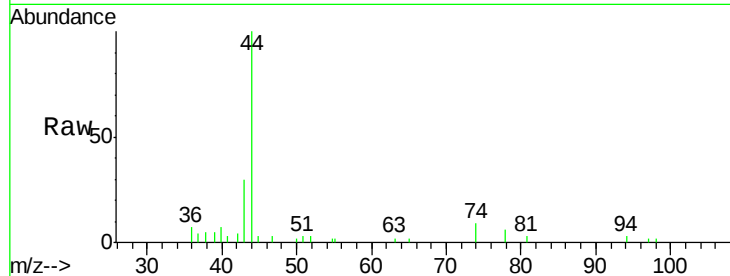
#15
Methyl Acetate
Concen: 0.313 ug/L m
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 3559
Ion Ratio Lower Upper
43 100
74 20.0 18.8 28.2

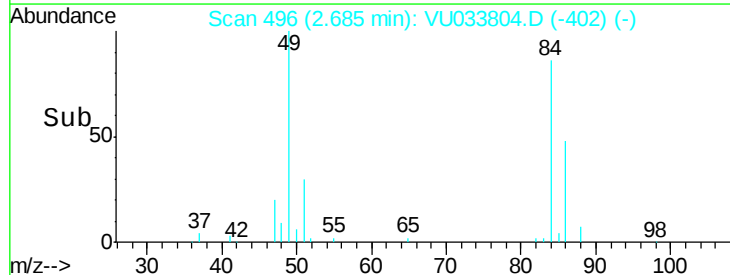
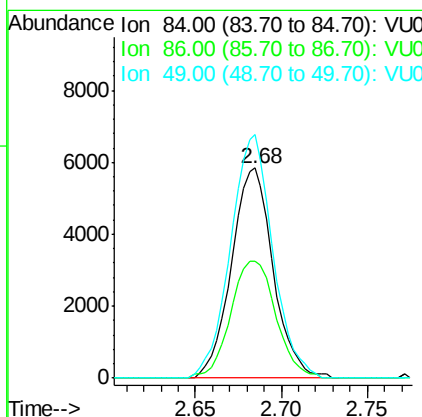
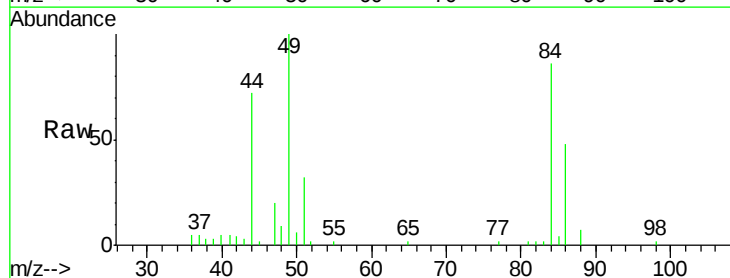
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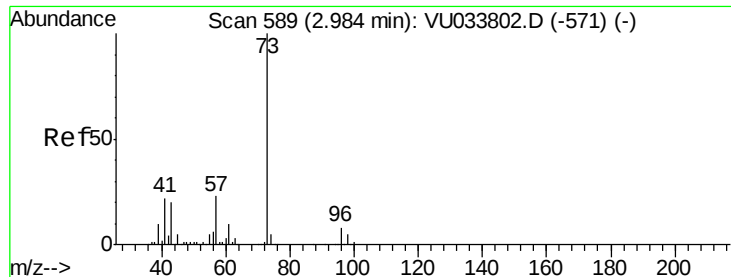
MMDadoda
8/16/2019 12:45:08 PM



#16
Methylene chloride
Concen: 0.391 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 84 Resp: 9862
Ion Ratio Lower Upper
84 100
86 55.7 46.0 85.4
49 116.1 90.4 168.0





#17

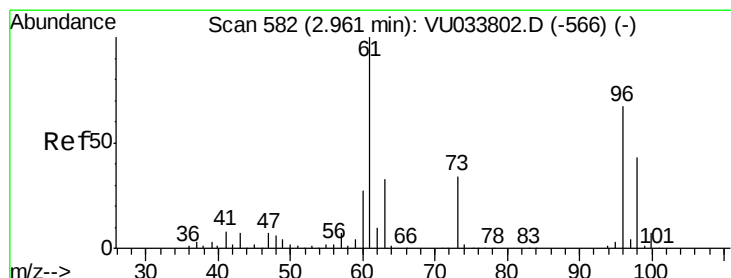
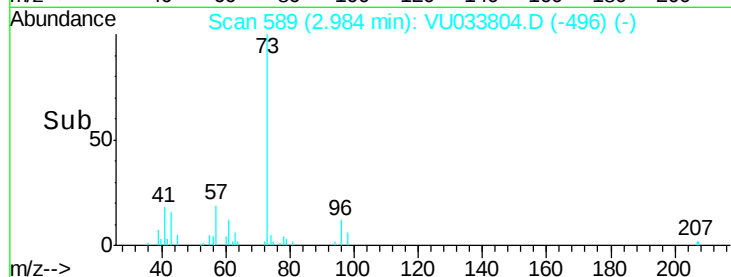
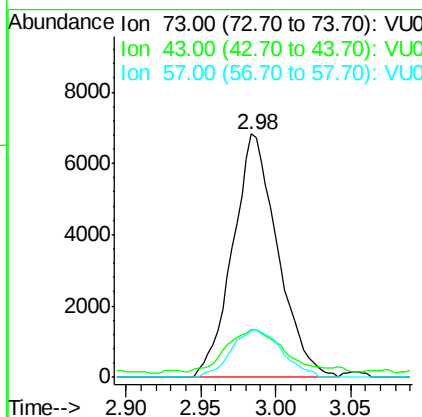
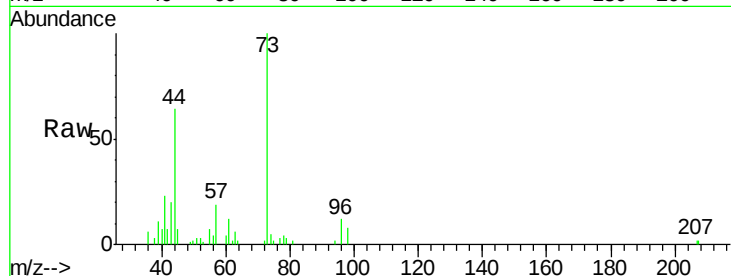
Methvl tert-butvl Ether
 Concen: 0.255 ug/L
 RT: 2.98 min Scan# 589
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion:	73	Resp:	14262
Ion	Ratio	Lower	Upper
73	100		
43	21.9	16.2	24.4
57	22.1	18.9	28.3

Manual Integrations
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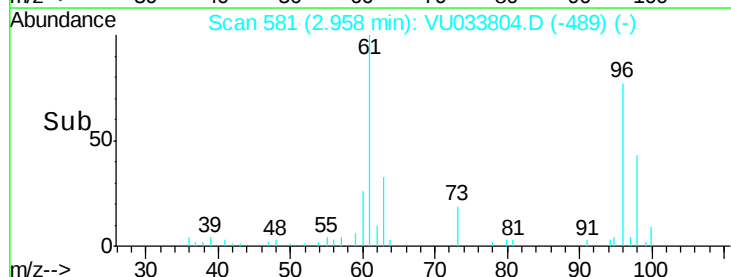
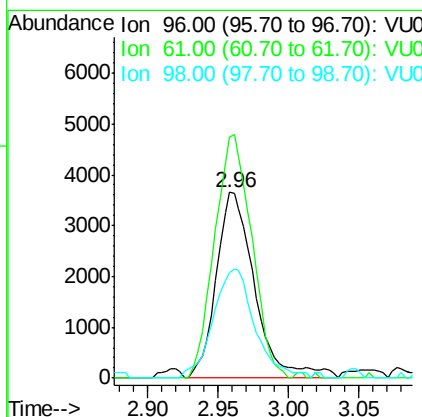
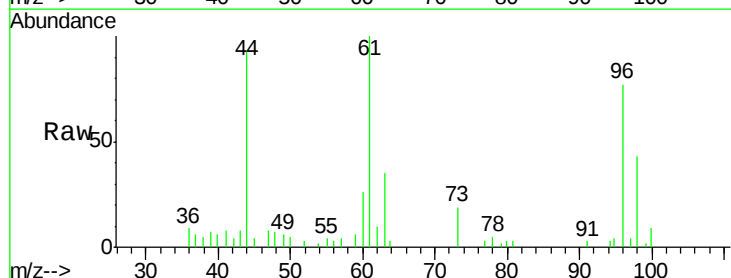
MMDadoda
 8/16/2019 12:45:08 PM

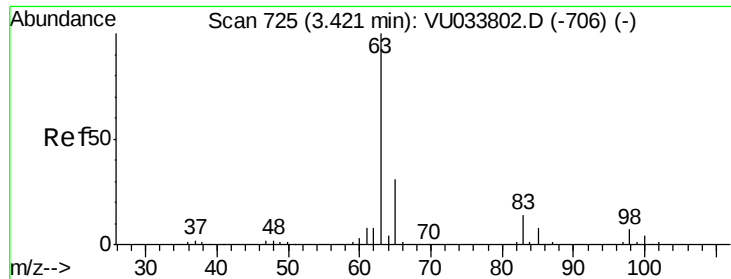


#18

trans-1,2-Dichloroethene
 Concen: 0.299 ug/L
 RT: 2.96 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion:	96	Resp:	6935
Ion	Ratio	Lower	Upper
96	100		
61	129.9	107.2	199.0
98	56.5	43.0	79.8





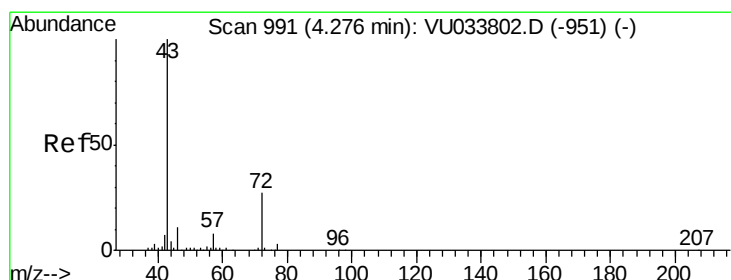
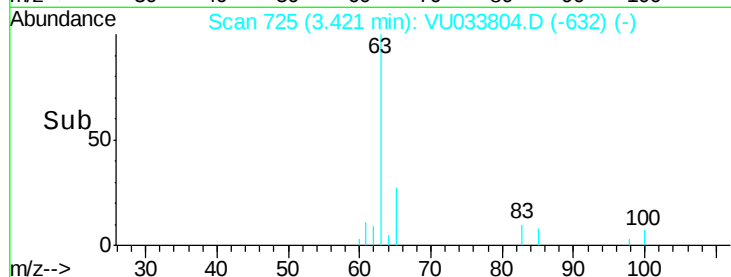
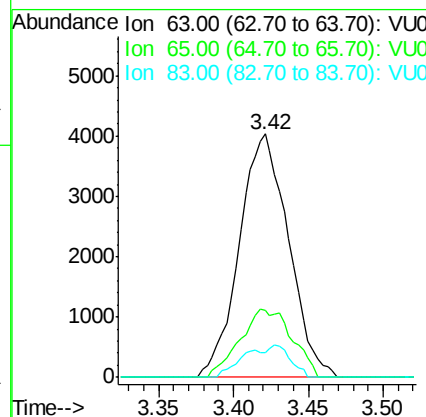
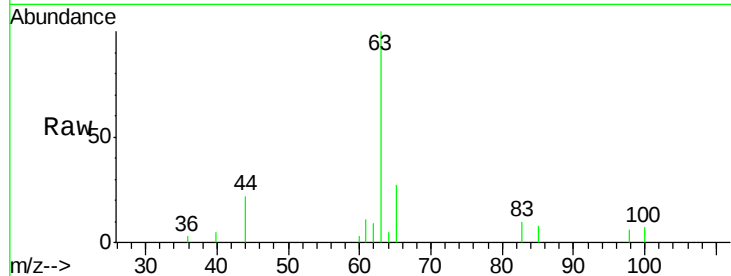
#19
 1,1-Dichloroethane
 Concen: 0.254 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.4	22.4	41.6
83	10.2	9.7	17.9

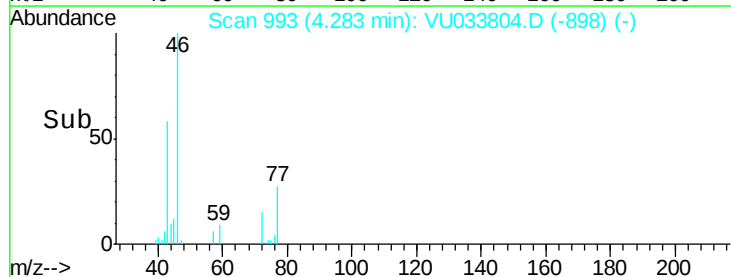
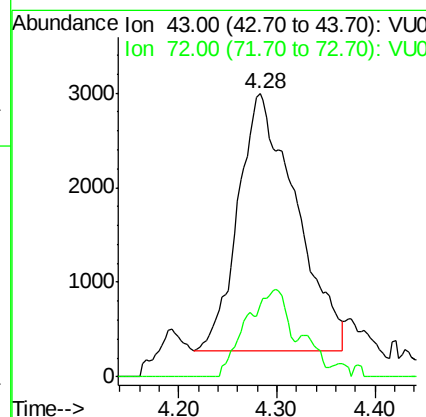
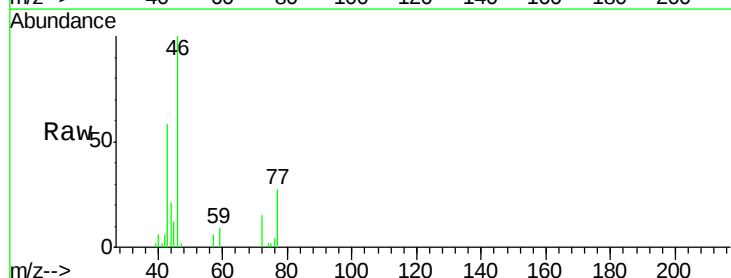
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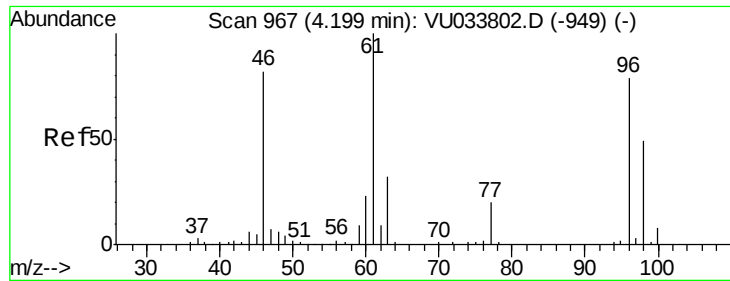
MMDadoda
 8/16/2019 12:45:08 PM



#21
 2-Butanone
 Concen: 2.060 ug/L m
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	13.1	39.1





#22

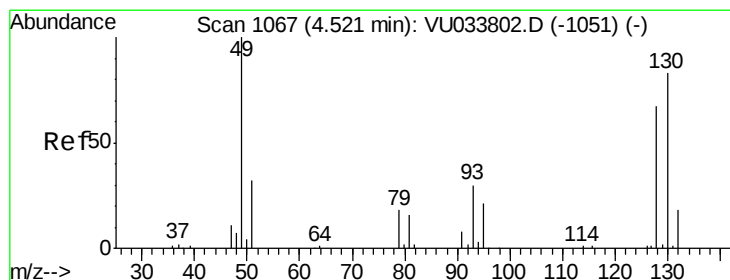
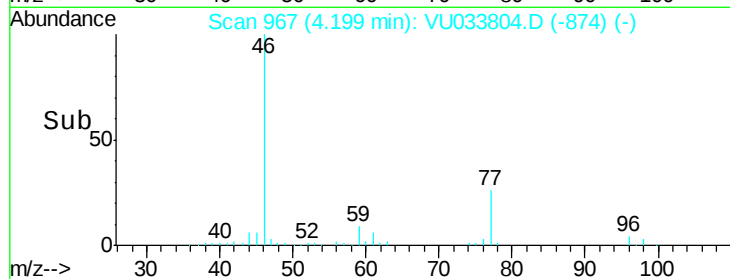
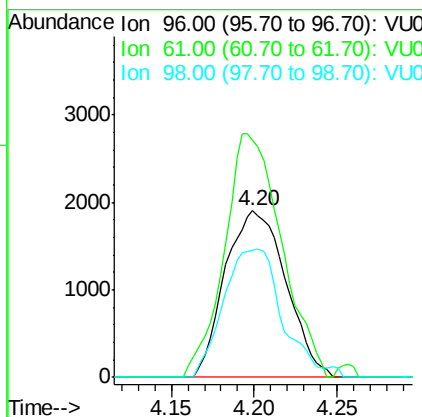
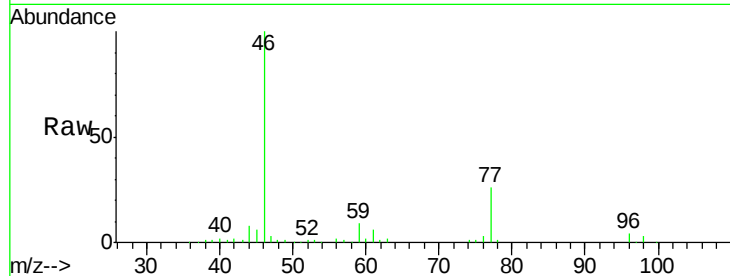
cis-1,2-Dichloroethene
Concen: 0.246 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	91.7	170.3
98	76.6	45.1	83.9

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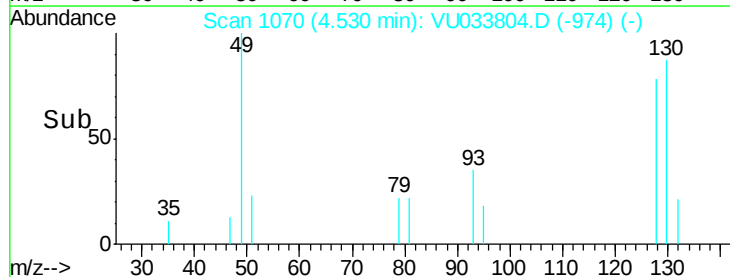
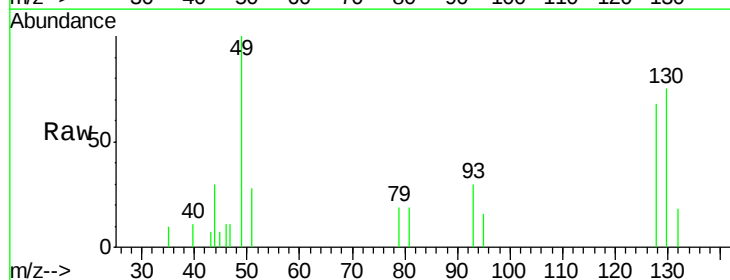
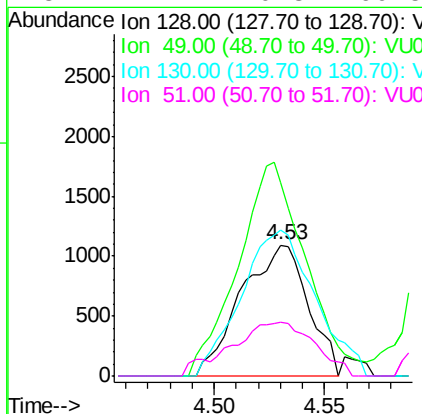
MMDadoda
8/16/2019 12:45:08 PM

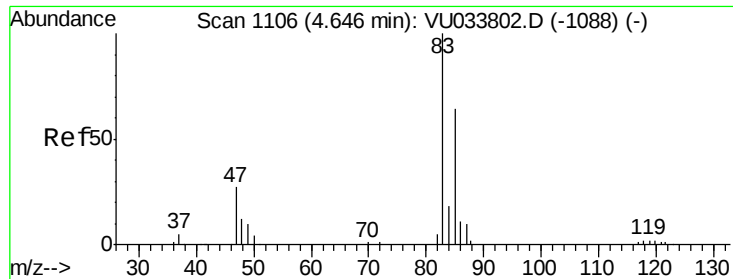


#23

Bromochloromethane
Concen: 0.242 ug/L
RT: 4.53 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.1	106.8	198.4
130	111.7	88.3	164.1
51	41.1	40.3	60.5





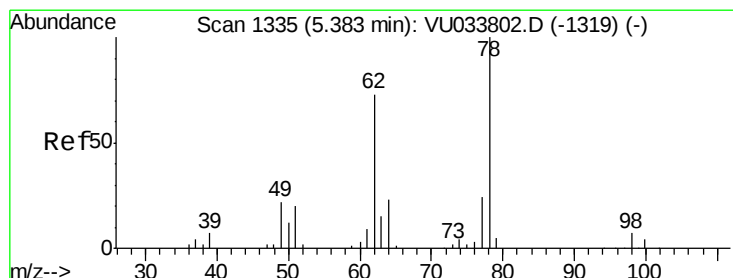
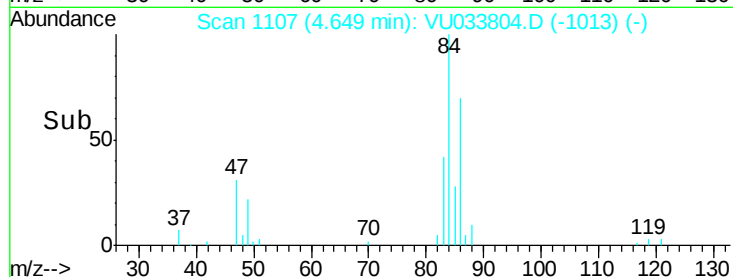
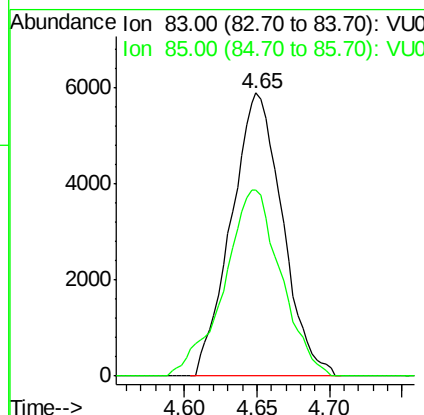
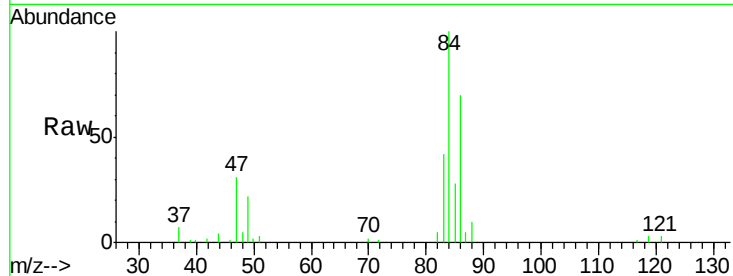
#25
Chloroform
Concen: 0.371 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 14469
Ion Ratio Lower Upper
83 100
85 65.7 44.2 82.0

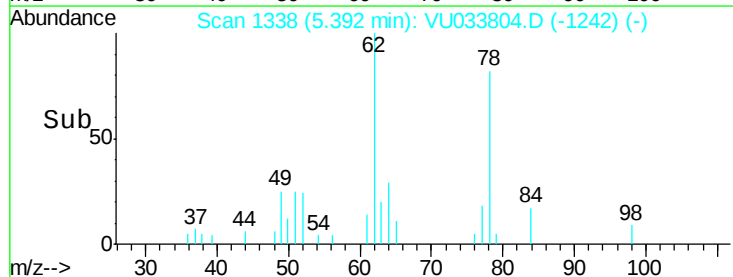
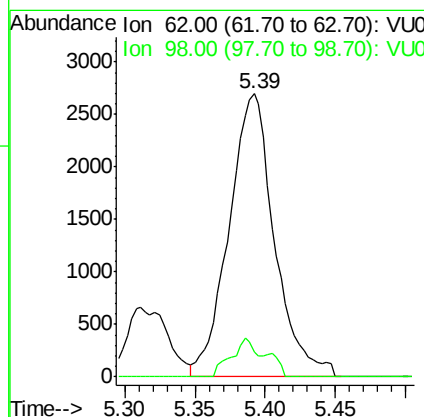
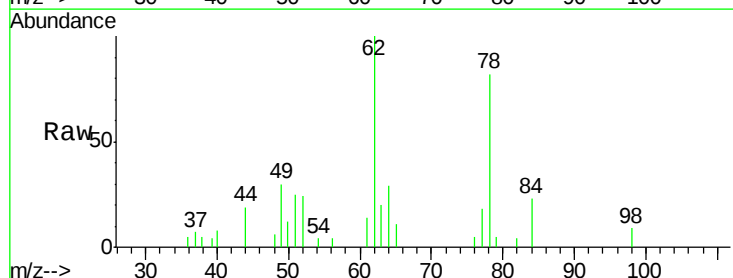
Manual Integrations
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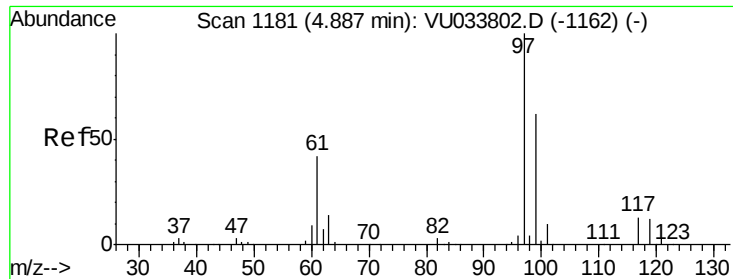
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.253 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion: 62 Resp: 6075
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0





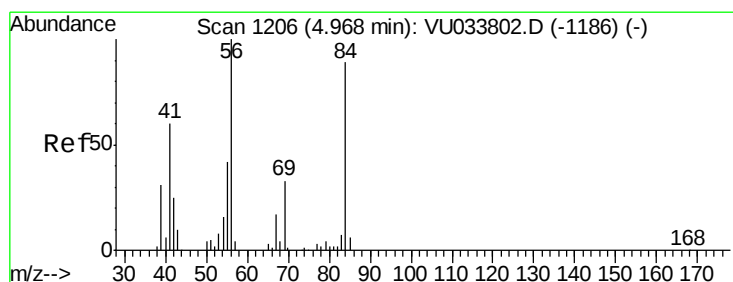
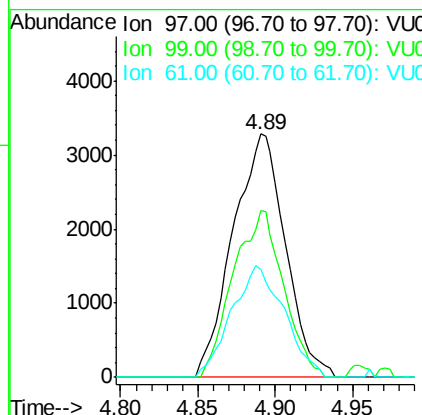
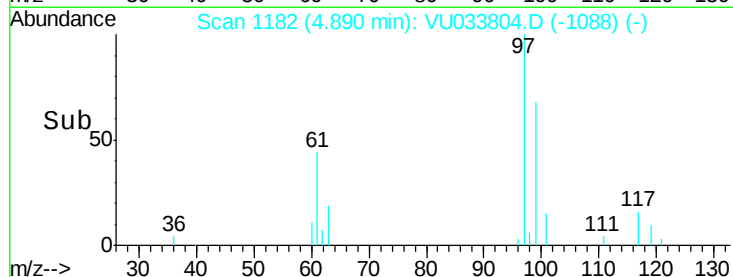
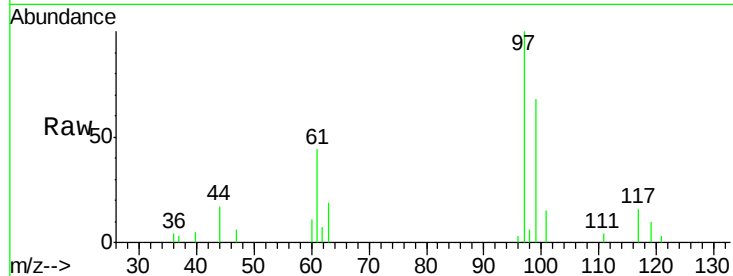
#29
1,1,1-Trichloroethane
Concen: 0.245 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.8	76.2
61	46.1	37.4	56.0

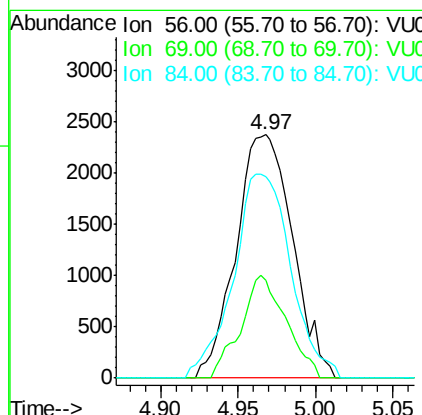
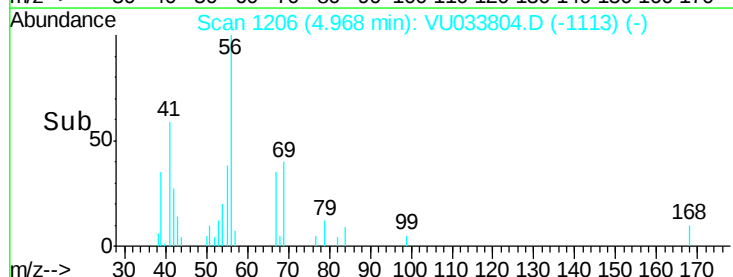
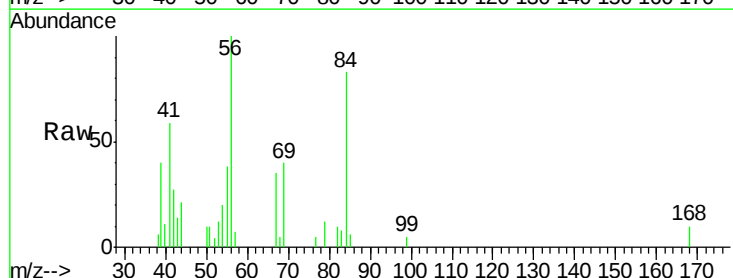
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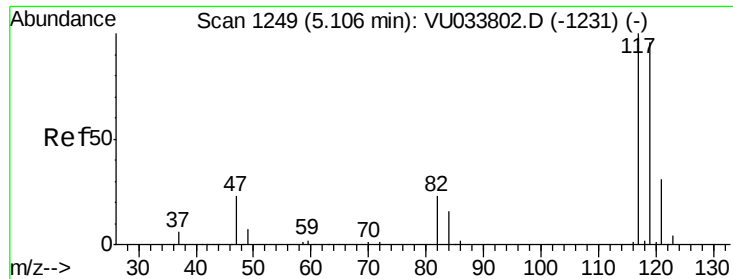
MMDadoda
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#30
Cyclohexane
Concen: 0.211 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.8	25.2	37.8
84	85.0	69.8	104.6





#31

Carbon tetrachloride

Concen: 0.249 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion:117 Resp: 7007

Ion Ratio Lower Upper

117 100

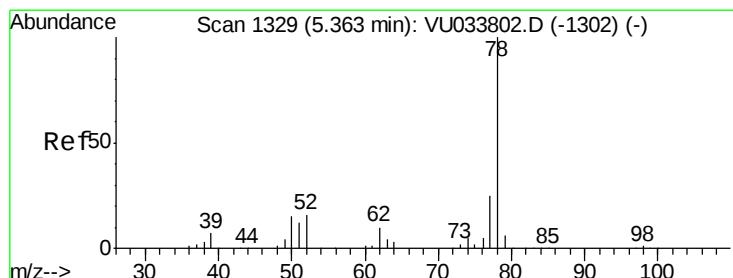
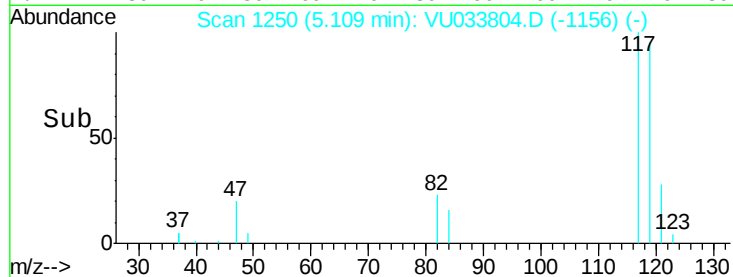
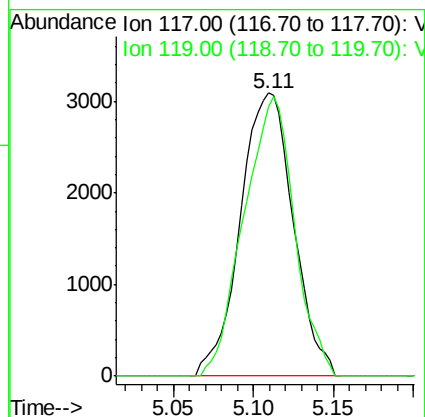
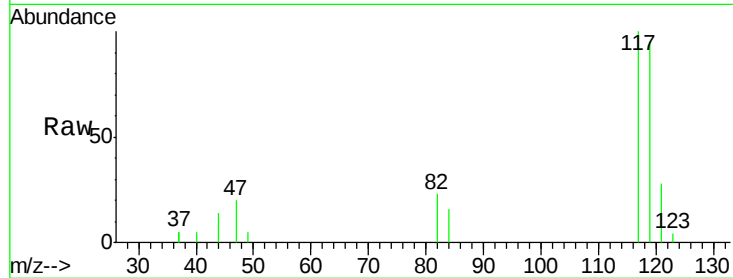
119 94.4 78.5 117.7

Manual Integrations

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#33

Benzene

Concen: 0.256 ug/L

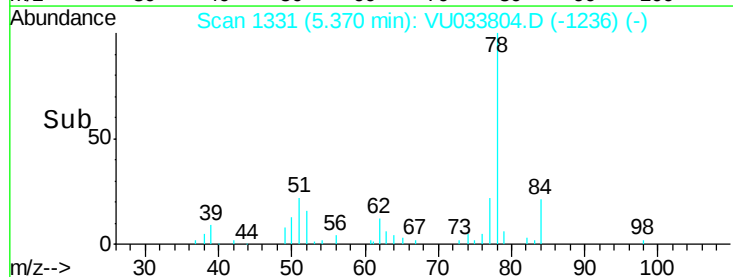
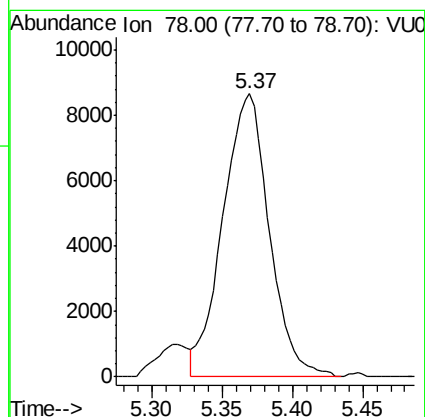
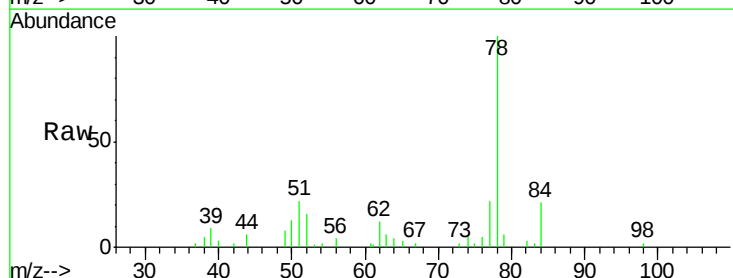
RT: 5.37 min Scan# 1331

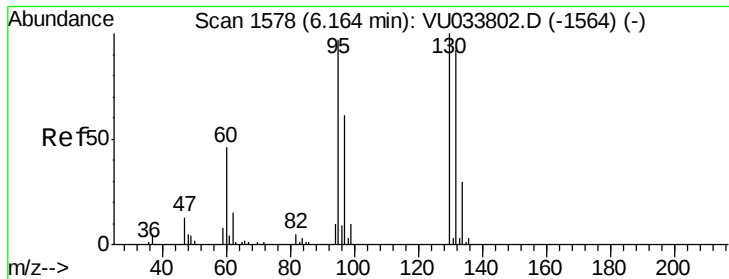
Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion: 78 Resp: 19888





#34

Trichloroethene

Concen: 0.262 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

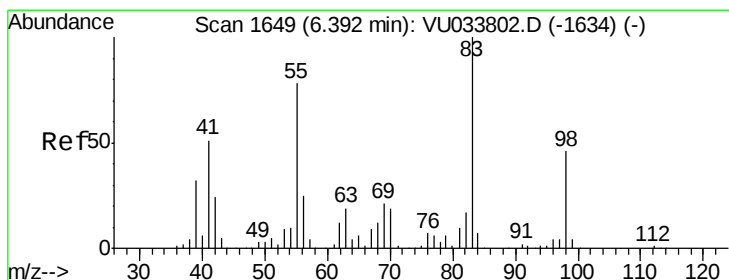
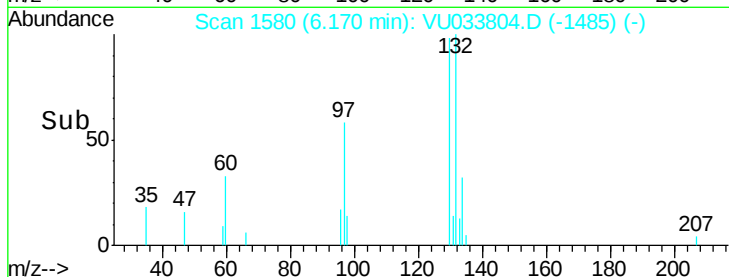
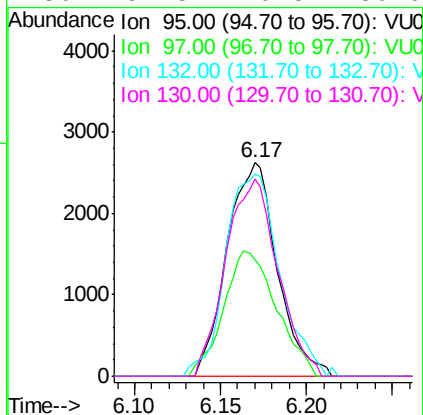
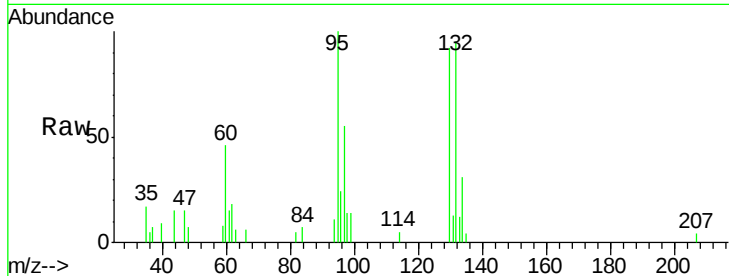
ClientSampleId :

MDL03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		5331		
97	54.7	45.4	84.4		
132	94.8	68.9	127.9		
130	92.5	70.5	130.9		

Manual Integrations
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#35

Methylcyclohexane

Concen: 0.201 ug/L

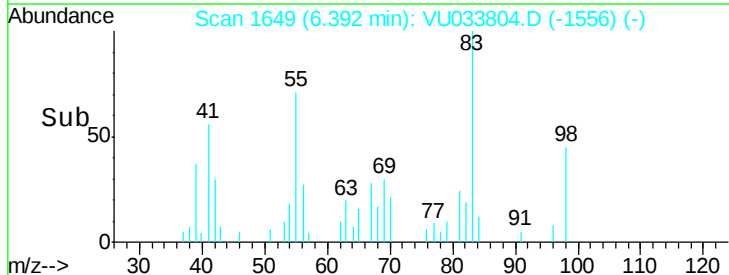
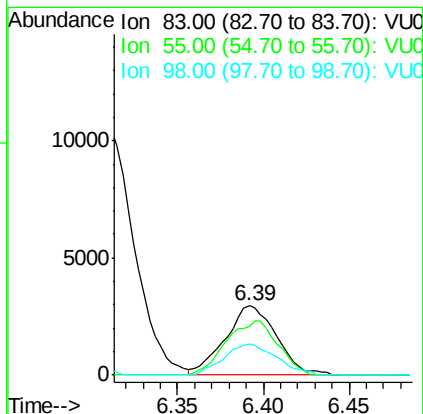
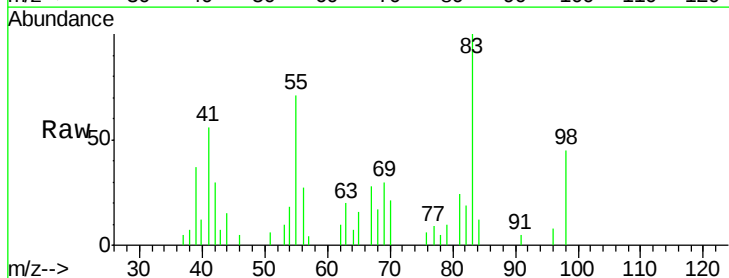
RT: 6.39 min Scan# 1649

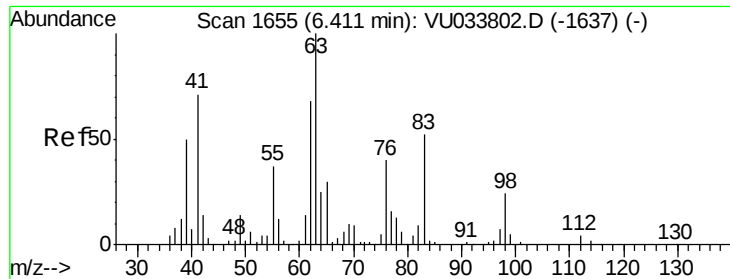
Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		6152		
55	78.9	65.0	97.6		
98	45.9	36.2	54.4		





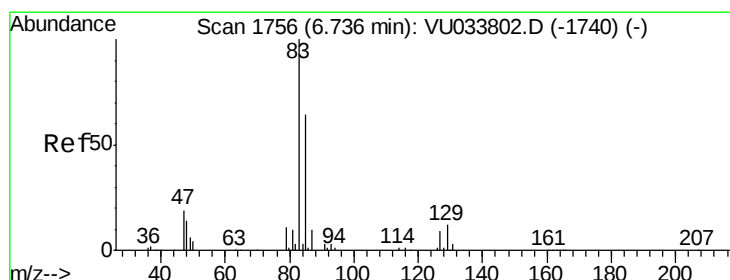
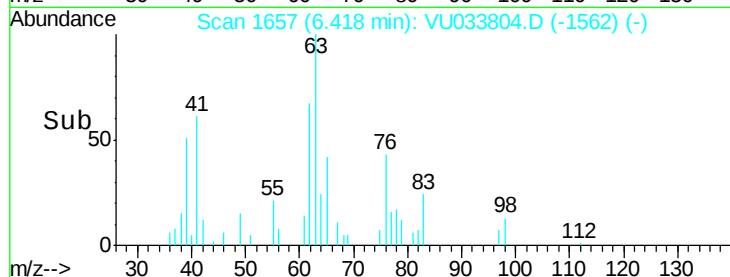
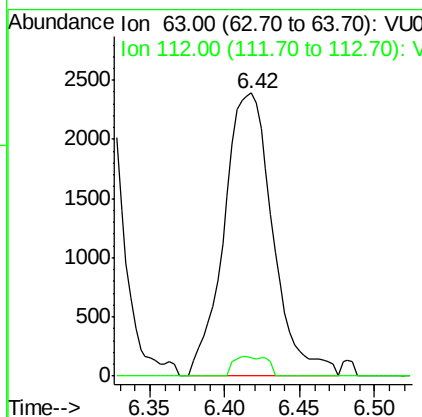
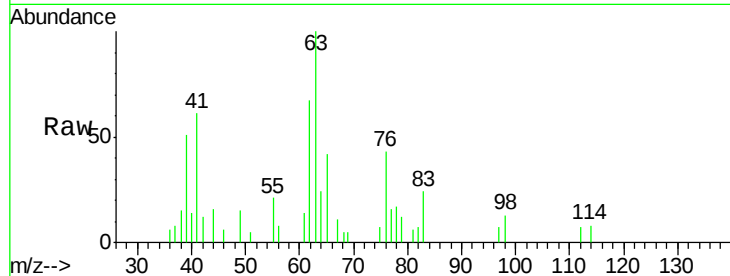
#37
 1,2-Dichloropropane
 Concen: 0.259 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 5430
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.3 4.9

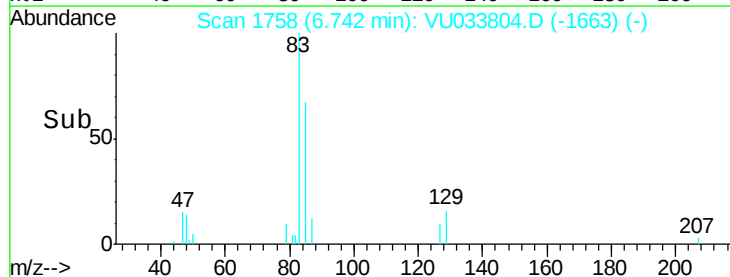
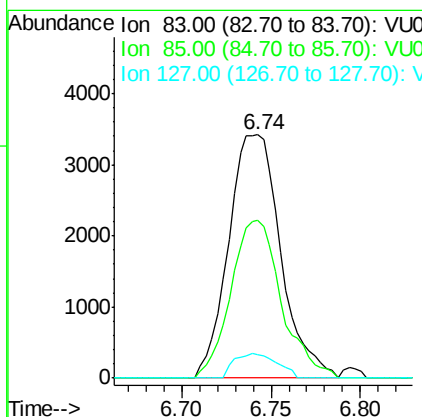
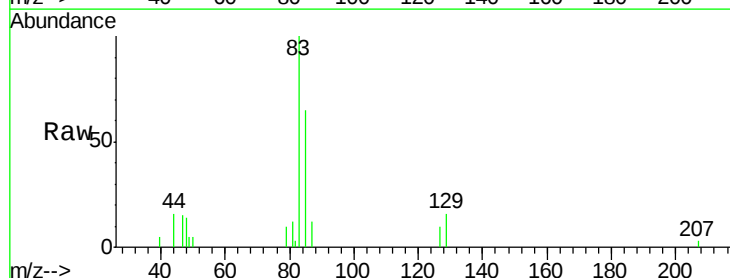
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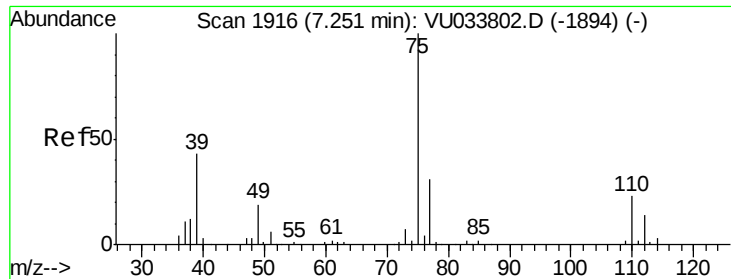
MMDadoda
 8/16/2019 12:45:08 PM



#38
 Bromodichloromethane
 Concen: 0.263 ug/L
 RT: 6.74 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion: 83 Resp: 6959
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.0 83.6
 127 9.8 7.8 11.6





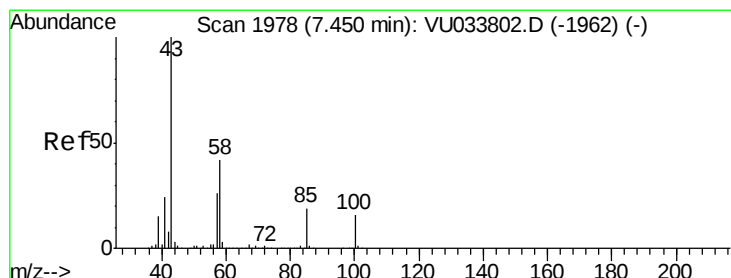
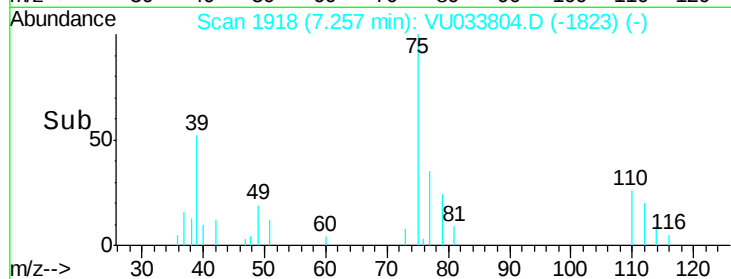
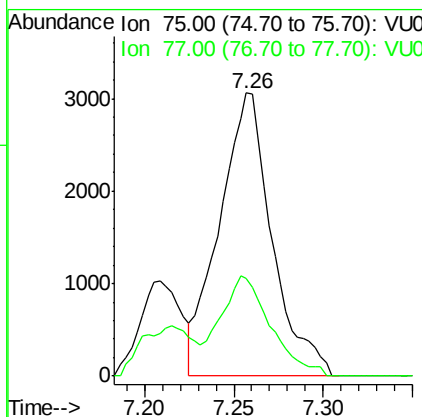
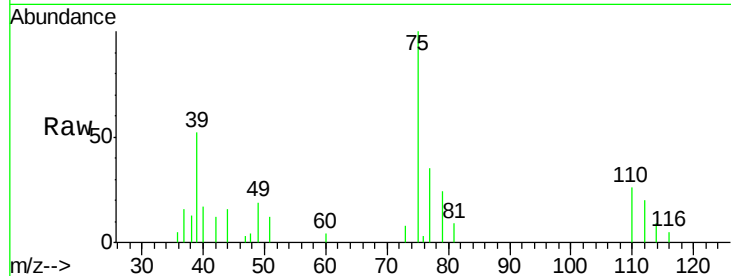
#39
 cis-1,3-Dichloropropene
 Concen: 0.221 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 6273
 Ion Ratio Lower Upper
 75 100
 77 34.7 23.6 43.8

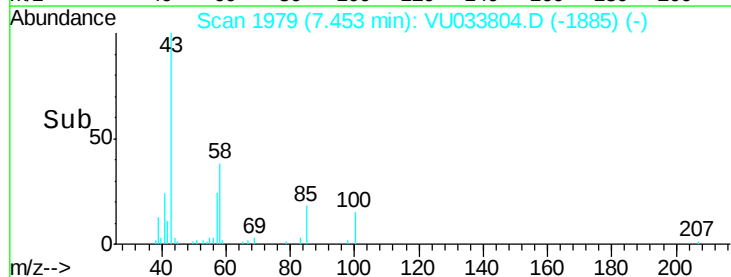
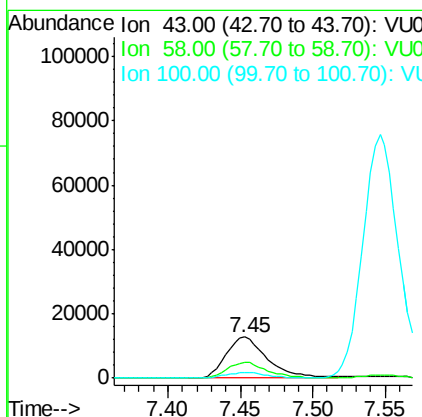
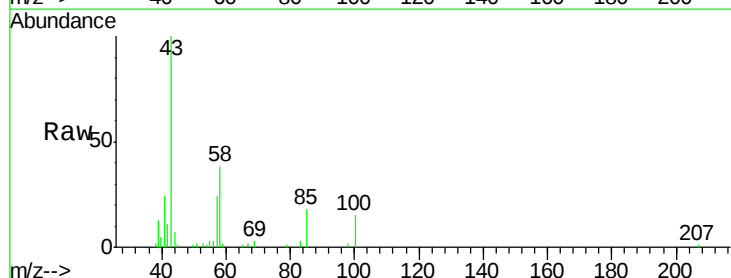
Manual Integrations
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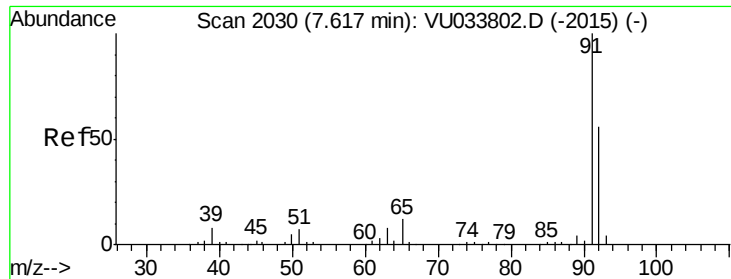
MMDadoda
 8/16/2019 12:45:08 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.087 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion: 43 Resp: 25316
 Ion Ratio Lower Upper
 43 100
 58 38.1 32.2 48.4
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.235 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 91 Resp: 19200

Ion Ratio Lower Upper

91 100

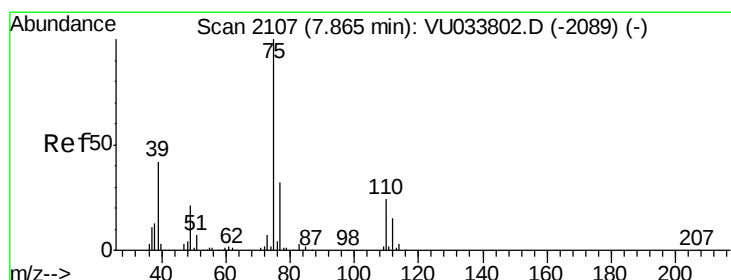
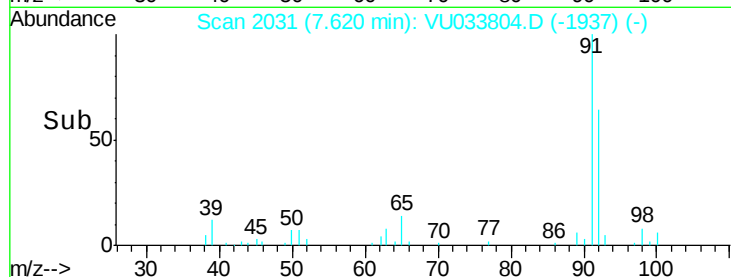
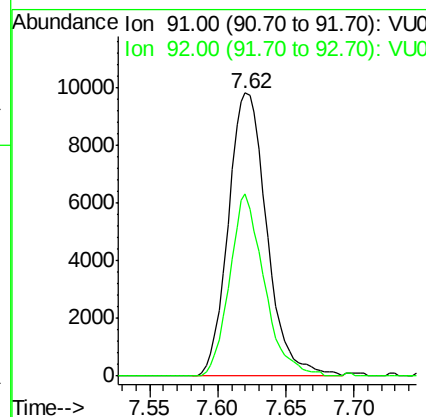
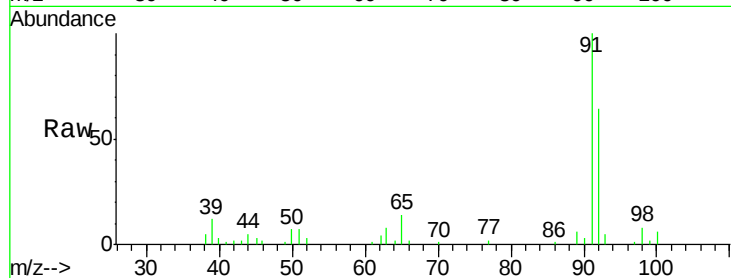
92 64.4 40.0 74.4

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#44

trans-1,3-Dichloropropene

Concen: 0.231 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VU033804.D

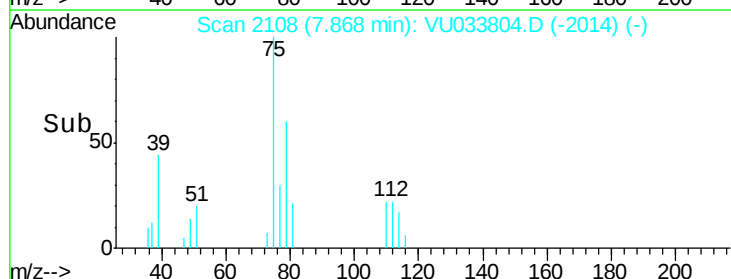
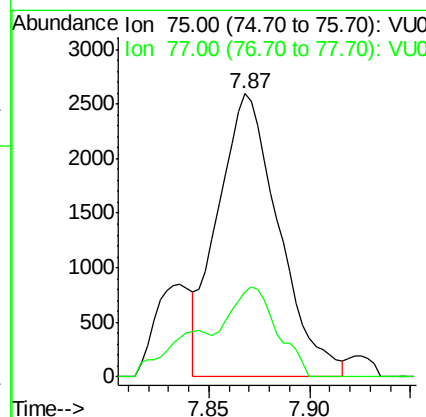
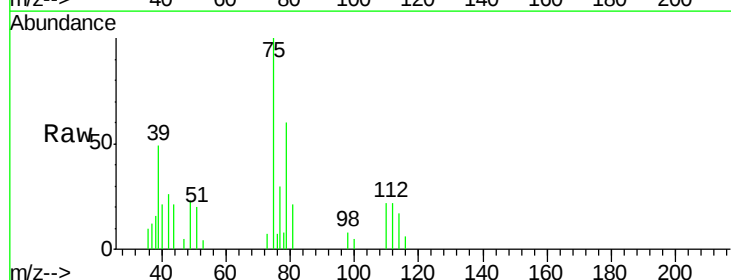
Acq: 15 Aug 2019 11:50

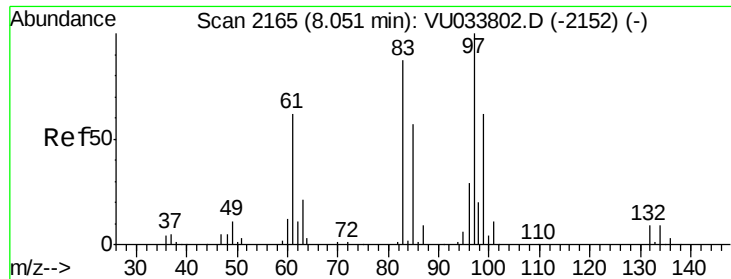
Tgt Ion: 75 Resp: 5464

Ion Ratio Lower Upper

75 100

77 30.0 22.3 41.3





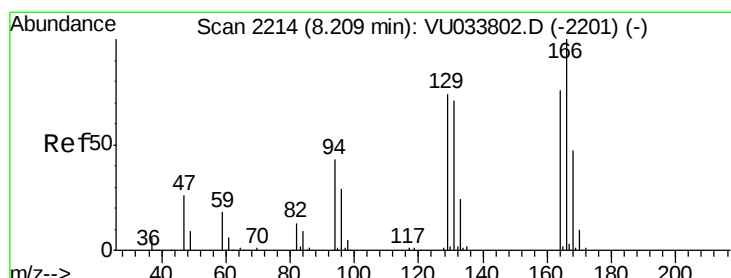
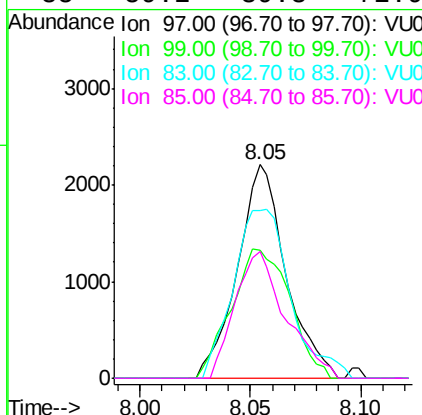
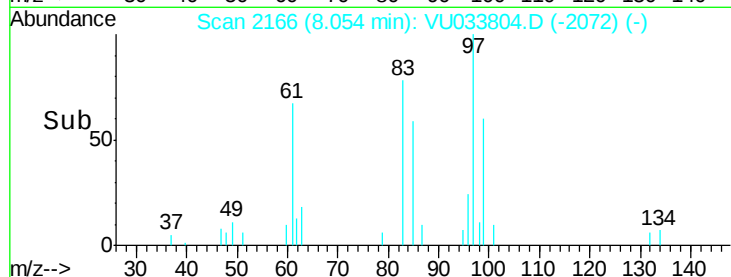
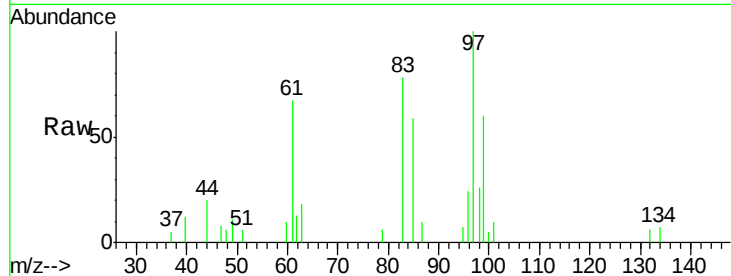
#45
1,1,2-Trichloroethane
Concen: 0.225 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion:	97	Resp:	3373
Ion	Ratio	Lower	Upper
97	100		
99	60.0	42.6	79.0
83	78.4	59.8	111.1
85	59.2	39.3	72.9

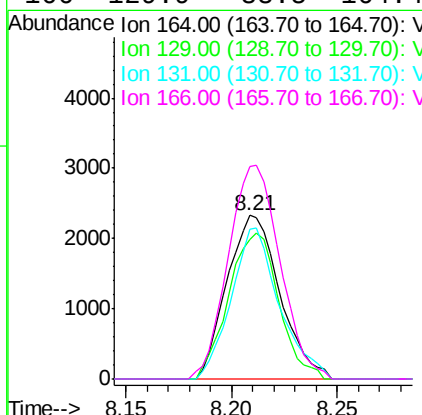
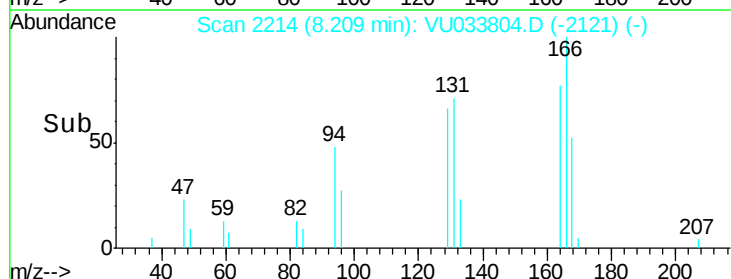
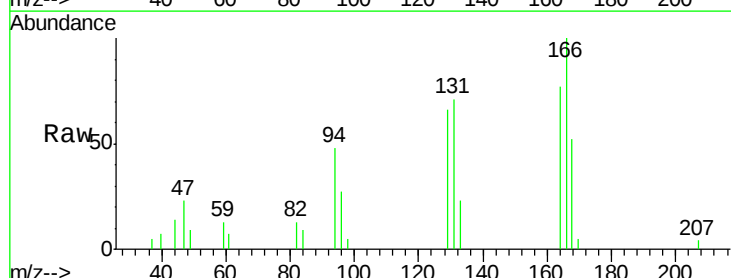
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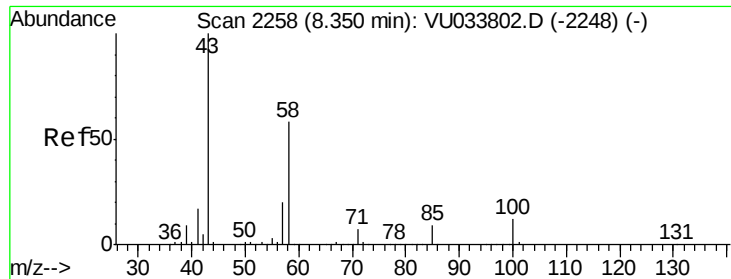
MMDadoda
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#47
Tetrachloroethene
Concen: 0.239 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion:	164	Resp:	4059
Ion	Ratio	Lower	Upper
164	100		
129	85.2	66.1	122.7
131	91.7	65.2	121.2
166	129.9	88.5	164.4





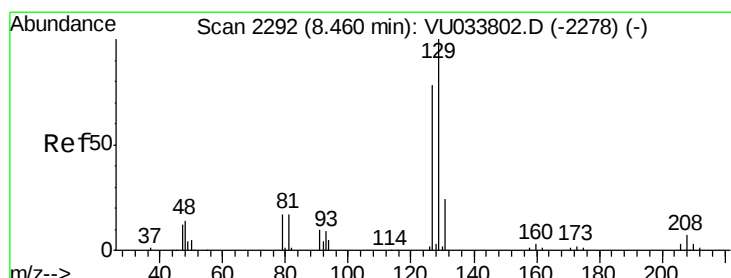
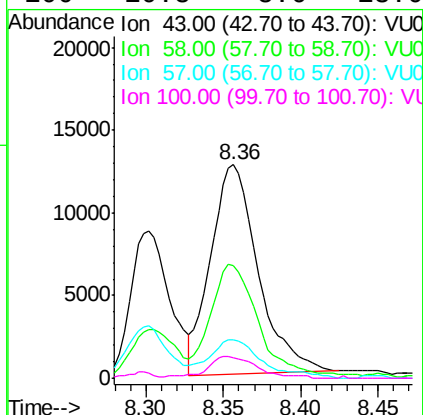
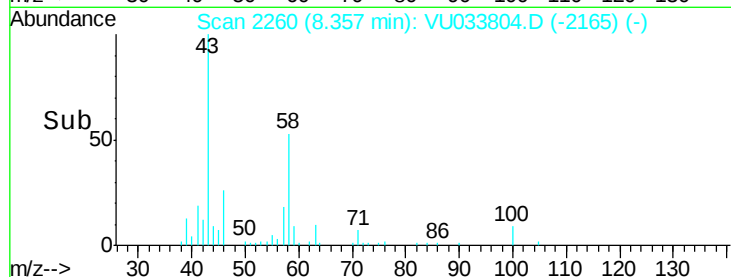
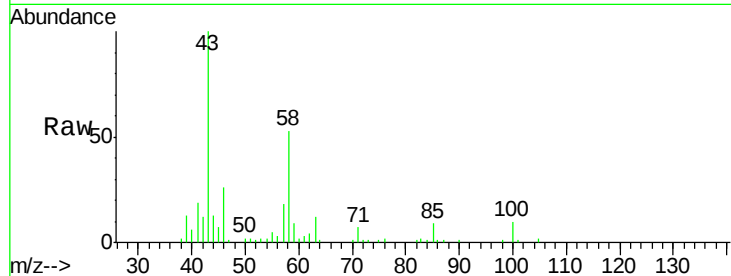
#48
2-Hexanone
Concen: 3.089 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	45.2	67.8
57	20.8	15.7	23.5
100	10.8	8.6	13.0

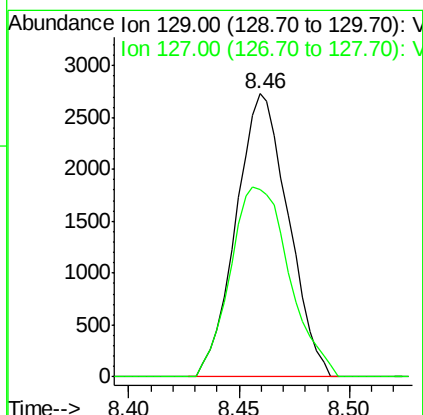
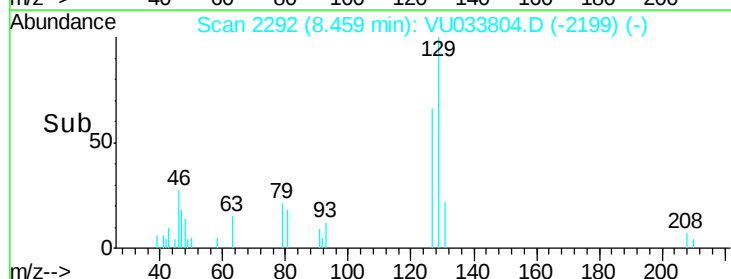
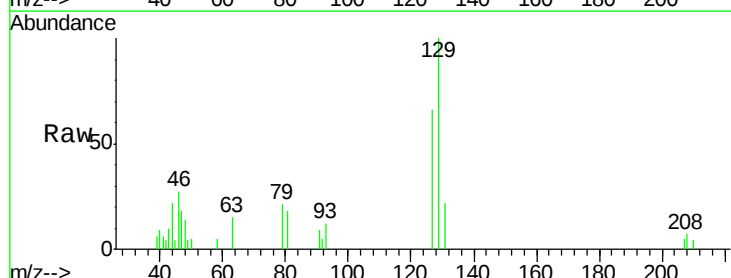
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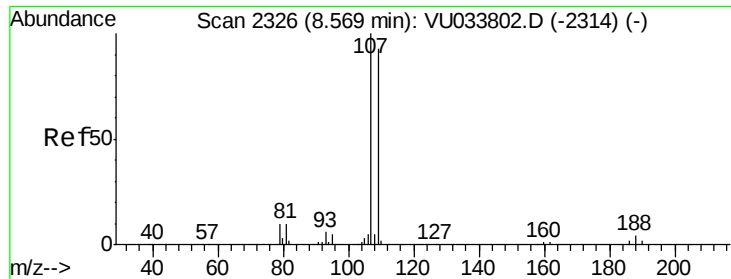
MMDadoda
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#49
Dibromochloromethane
Concen: 0.246 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	66.1	54.2	100.6





#50

1,2-Dibromoethane

Concen: 0.243 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

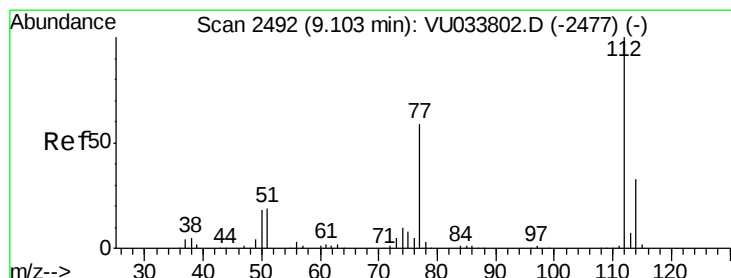
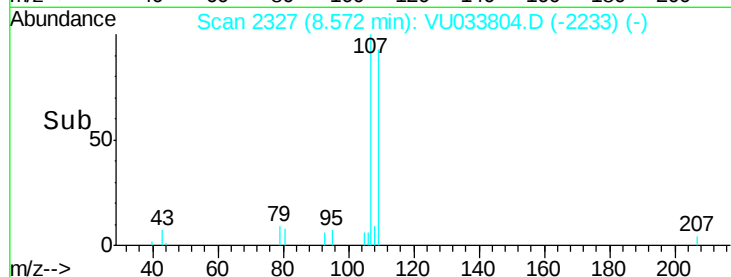
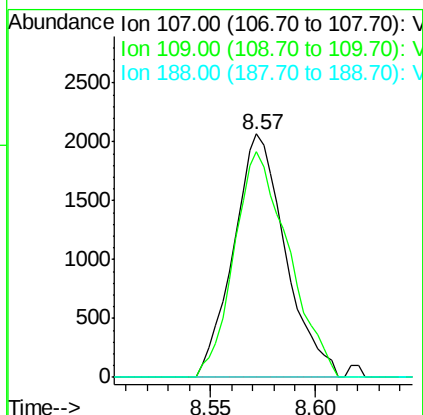
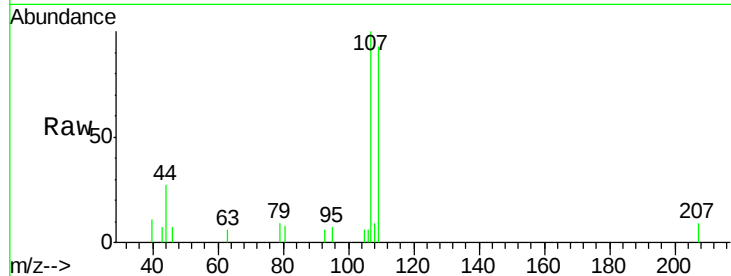
ClientSampled :

MDL03

Tot Ion:	107	Resp:	3523
Ion Ratio	Lower	Upper	
107	100		
109	92.6	68.3	126.8
188	0.0	3.0	4.6#

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#51

Chlorobenzene

Concen: 0.245 ug/L

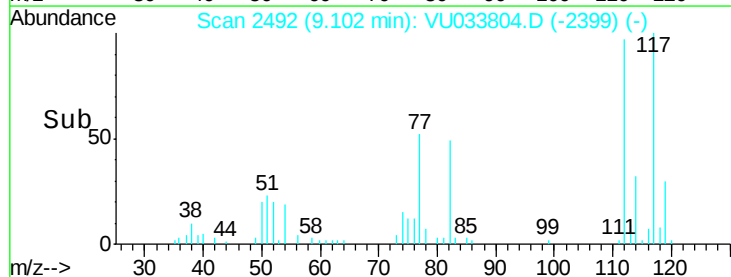
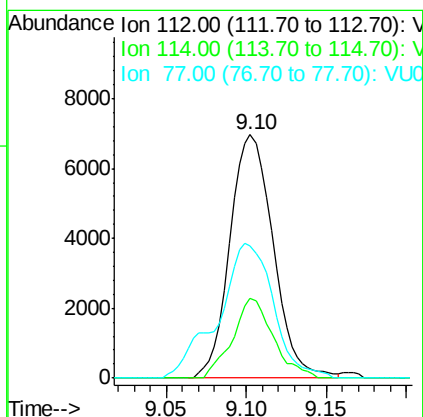
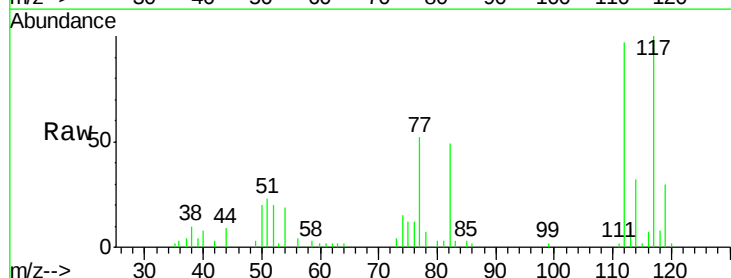
RT: 9.10 min Scan# 2492

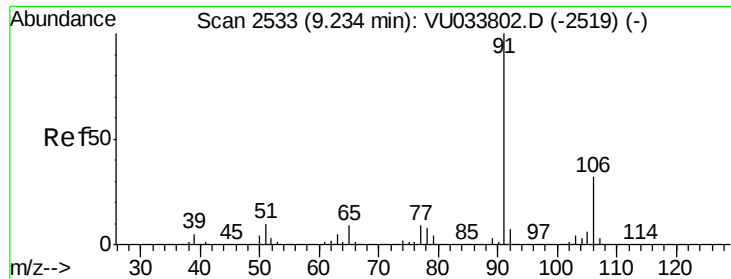
Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion:	112	Resp:	12890
Ion Ratio	Lower	Upper	
112	100		
114	32.7	22.5	41.7
77	54.1	45.3	67.9





#52

Ethylbenzene

Concen: 0.216 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tot Ion: 91 Resp: 18219

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0

Instrument :

MSVOA_U

ClientSampleId :

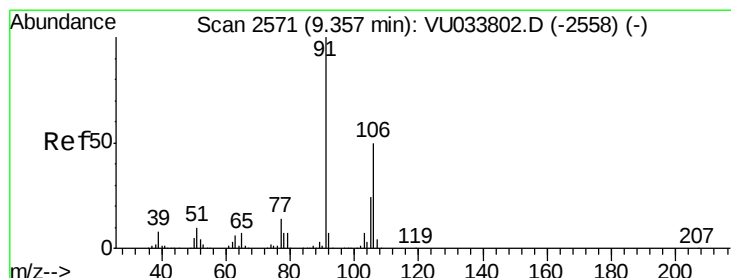
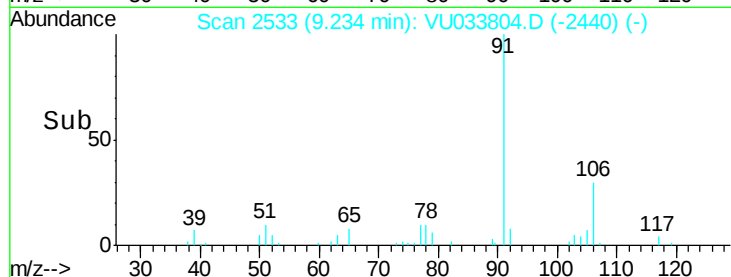
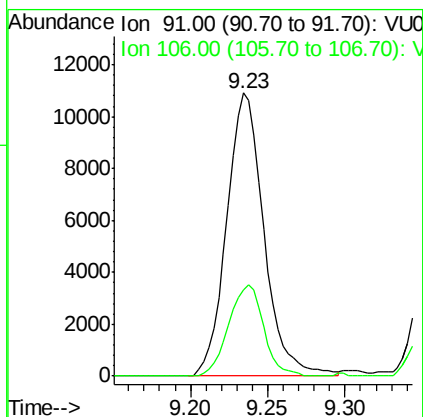
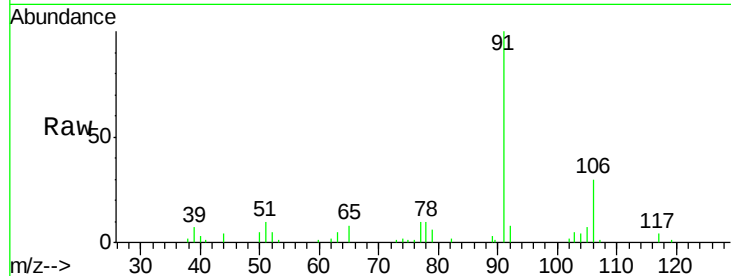
MDL03

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#53

m,p-Xylene

Concen: 0.202 ug/L

RT: 9.36 min Scan# 2573

Delta R.T. 0.01 min

Lab File: VU033804.D

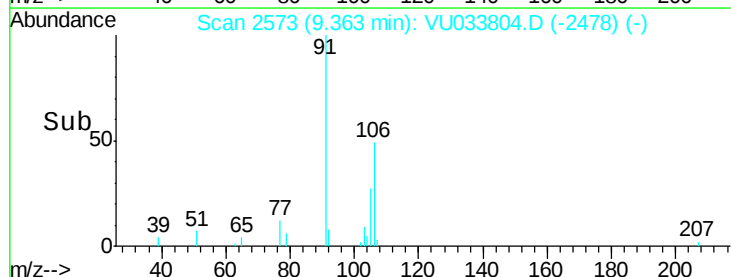
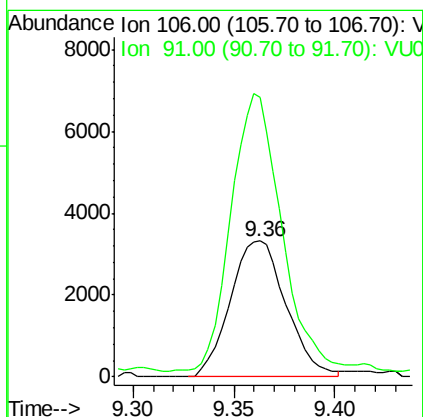
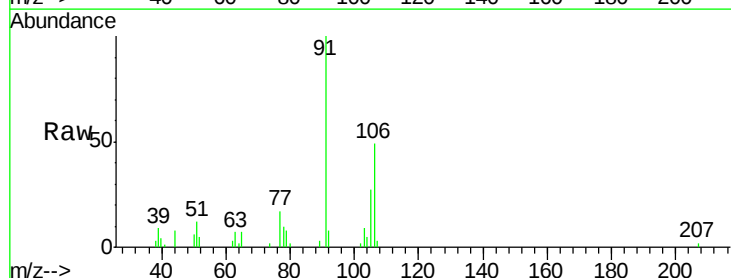
Acq: 15 Aug 2019 11:50

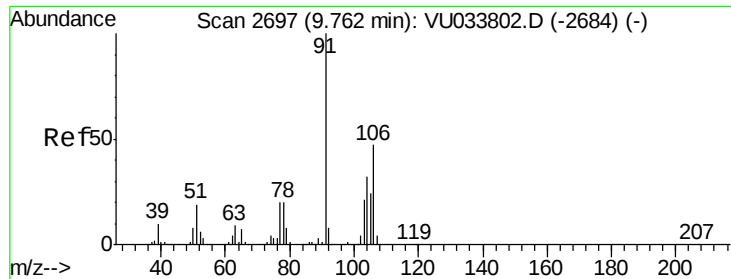
Tgt Ion: 106 Resp: 6433

Ion Ratio Lower Upper

106 100

91 205.1 142.7 265.1





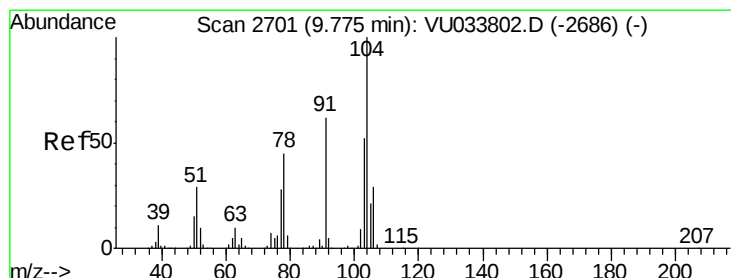
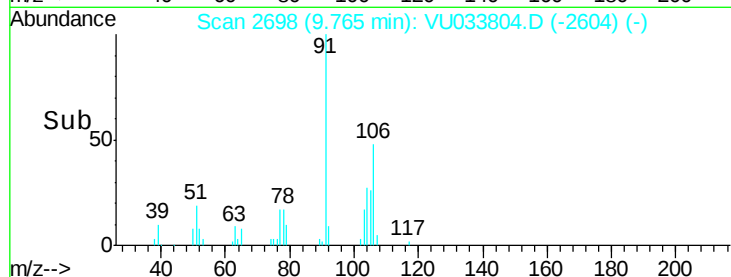
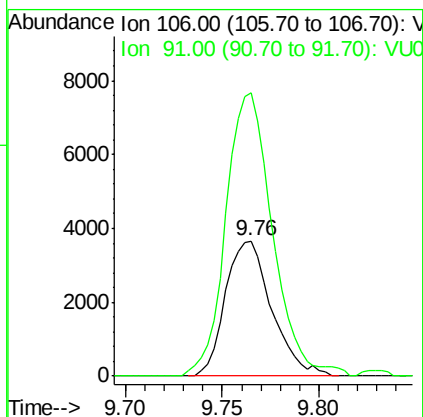
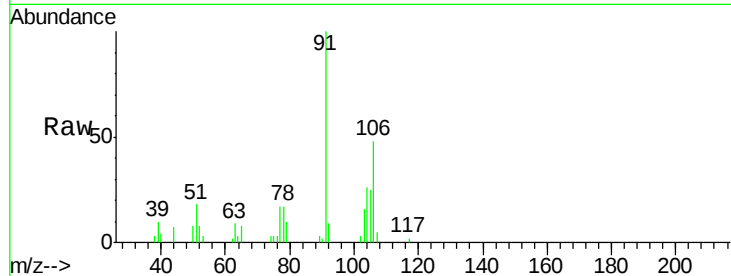
#54
o-Xylene
Concen: 0.201 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion:106 Resp: 6086
Ion Ratio Lower Upper
106 100
91 209.0 149.5 277.7

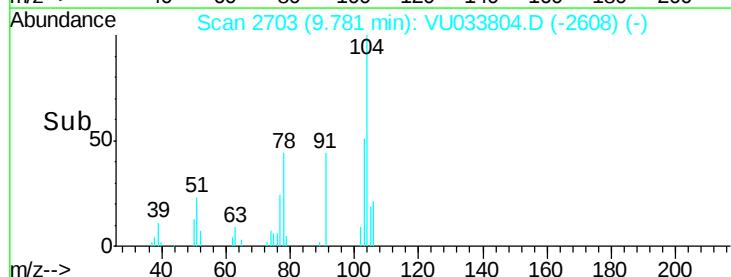
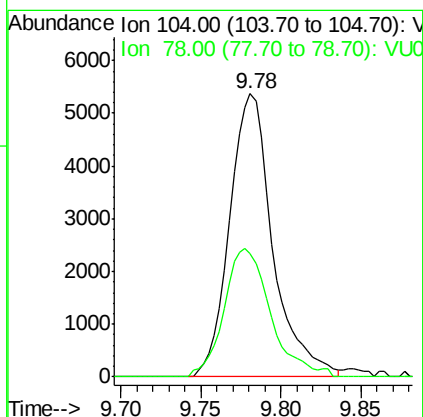
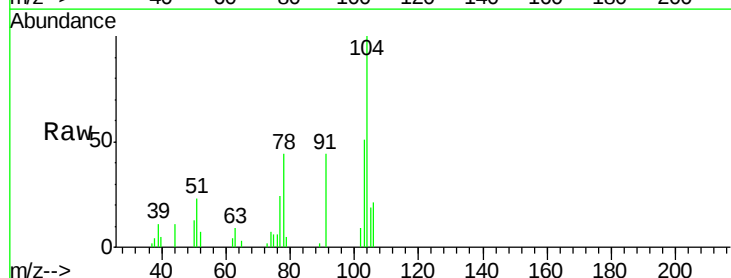
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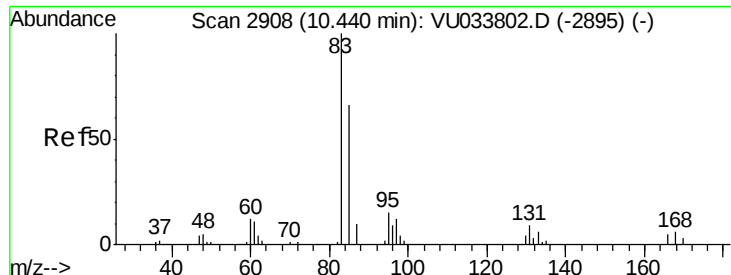
MMDadoda
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#55
Styrene
Concen: 0.188 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion:104 Resp: 9886
Ion Ratio Lower Upper
104 100
78 43.6 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.242 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

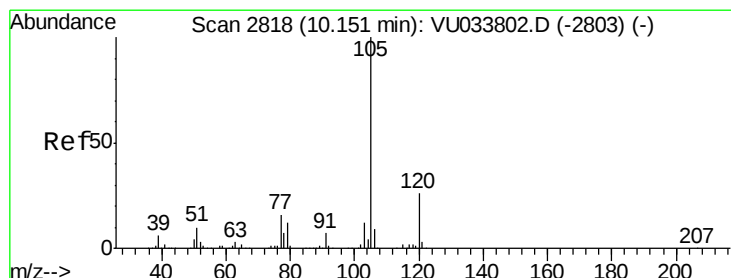
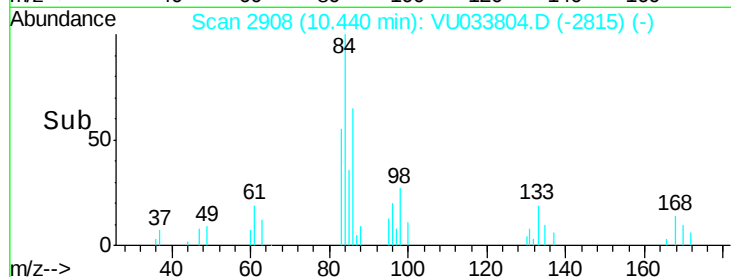
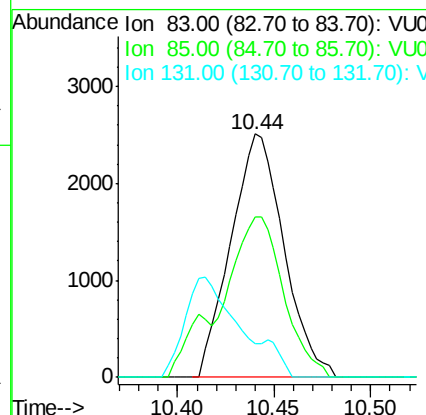
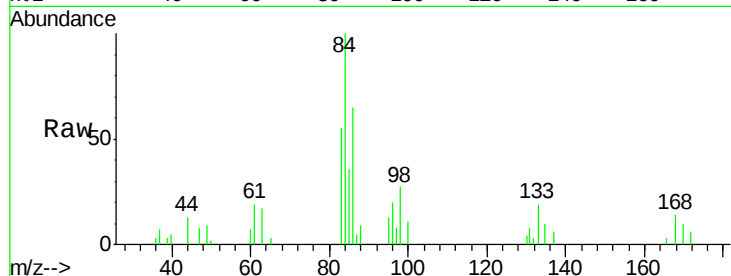
ClientSampleId :

MDL03

Tot Ion:	83	Resp:	4773
Ion	Ratio	Lower	Upper
83	100		
85	66.0	44.4	82.4
131	13.9	7.6	11.4#

Manual Integrations
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#59

Isopropylbenzene

Concen: 0.220 ug/L

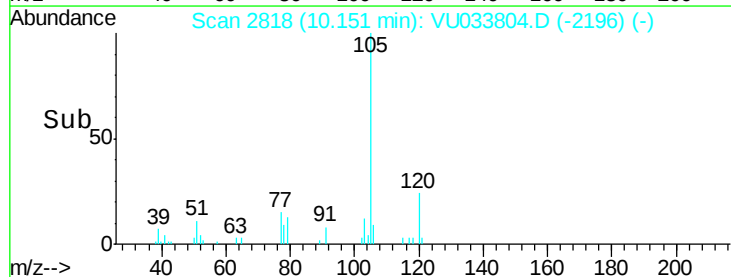
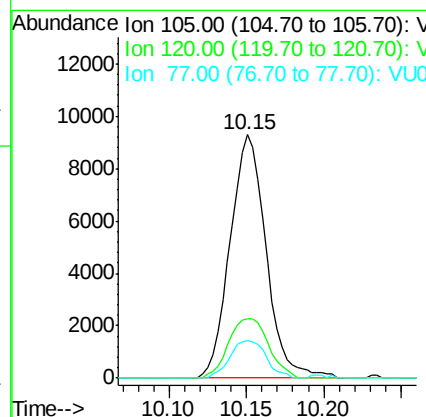
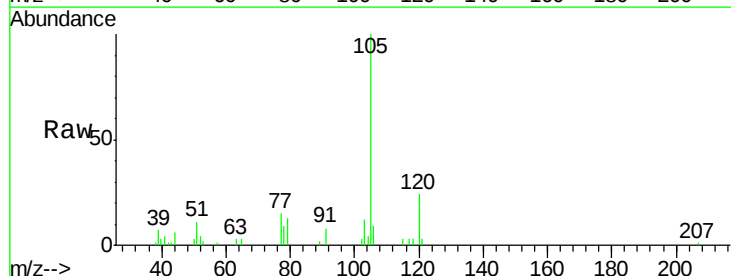
RT: 10.15 min Scan# 2818

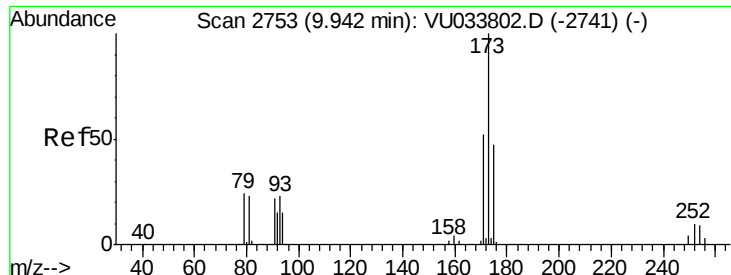
Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion:	105	Resp:	15013
Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.5	32.3
77	15.3	12.8	19.2





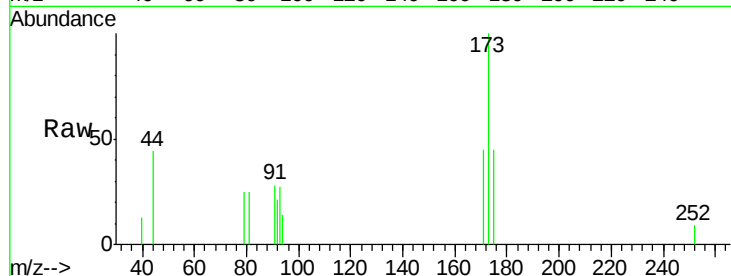
#60
Bromoform
Concen: 0.280 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
MDL03

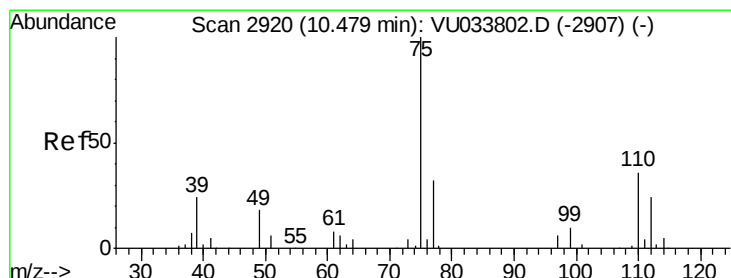
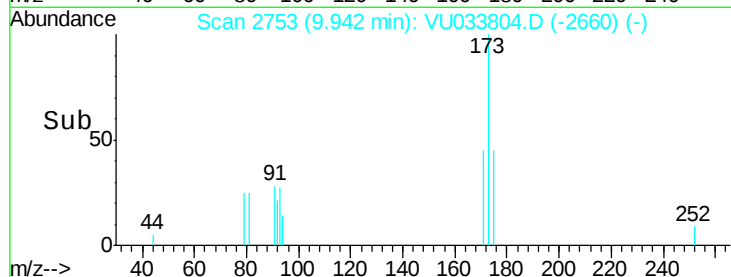
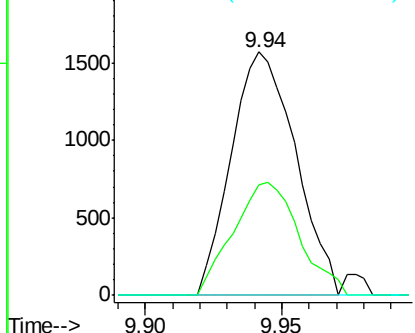
Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	47.7	36.6	55.0	
254	0.0	7.0	10.4	

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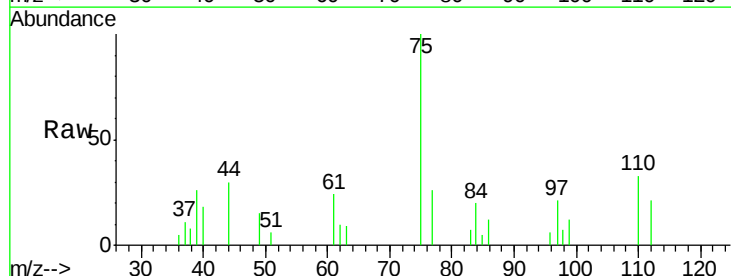


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

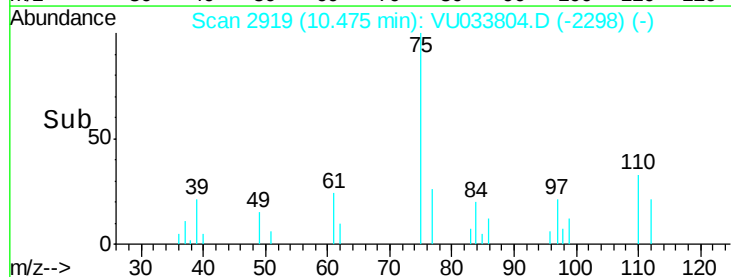
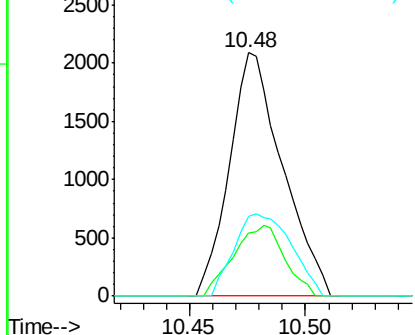


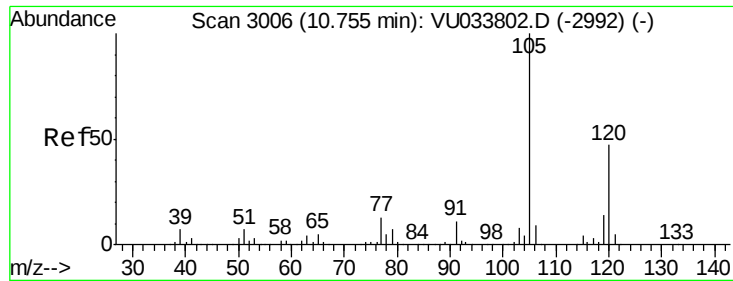
#61
1,2,3-Trichloropropane
Concen: 0.279 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VU033804.D
Acq: 15 Aug 2019 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
77	28.0	25.8	38.6	
110	36.3	28.9	43.3	



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 0.195 ug/L

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion:105 Resp: 10789

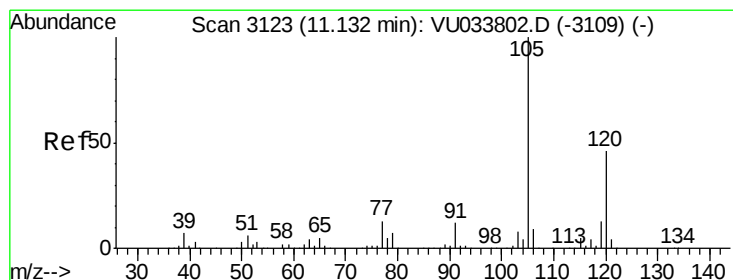
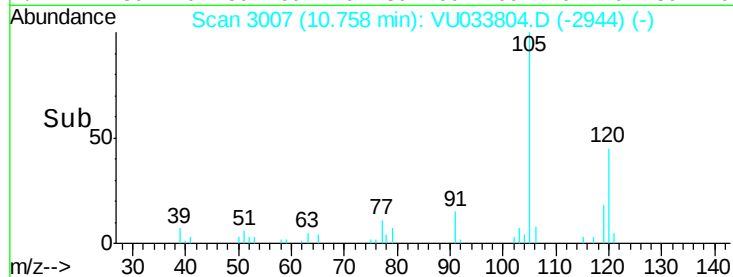
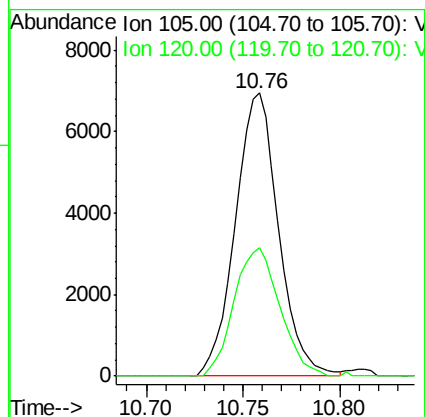
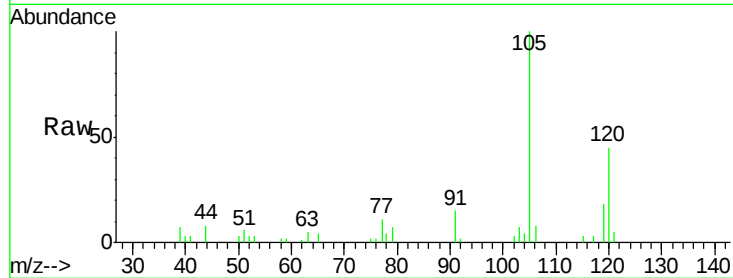
Ion Ratio Lower Upper

105 100

120 48.0 38.6 58.0

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#63

1,2,4-Trimethylbenzene

Concen: 0.198 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VU033804.D

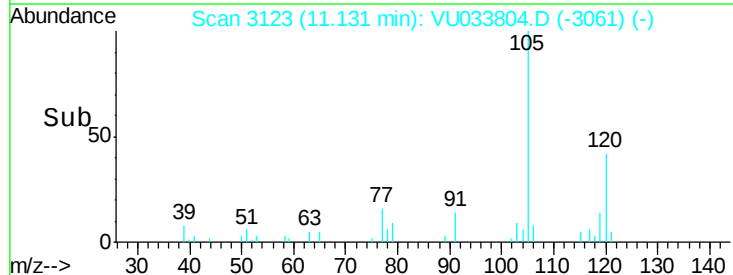
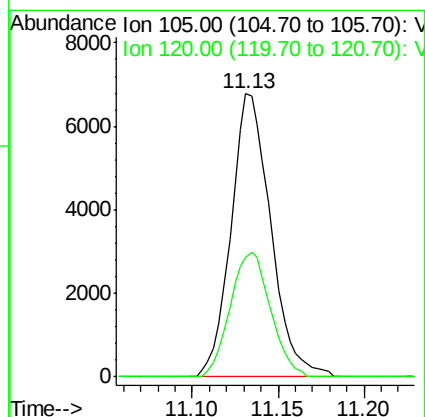
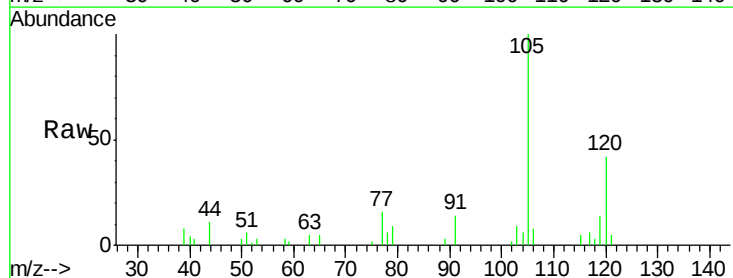
Acq: 15 Aug 2019 11:50

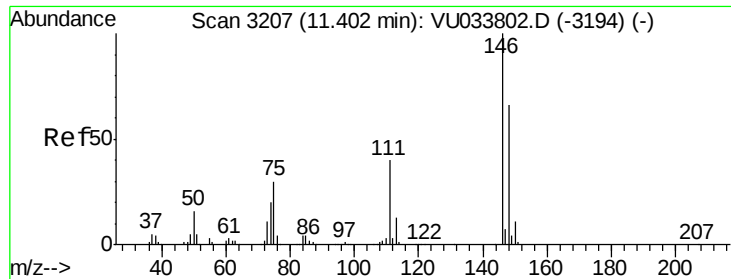
Tgt Ion:105 Resp: 10944

Ion Ratio Lower Upper

105 100

120 44.4 36.5 54.7





#64

1,3-Dichlorobenzene

Concen: 0.261 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

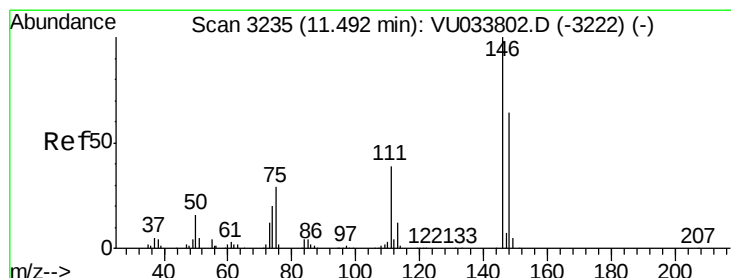
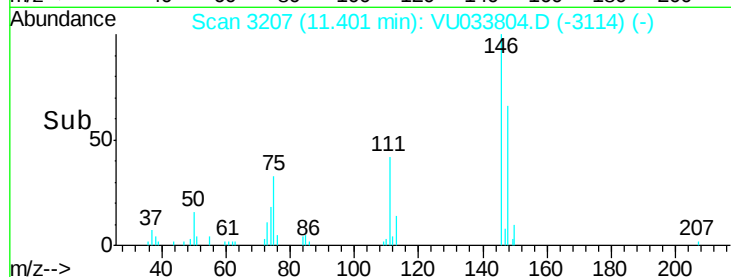
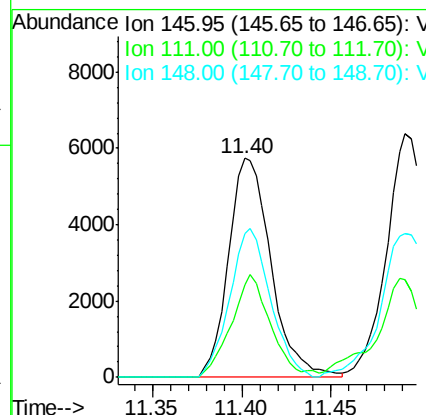
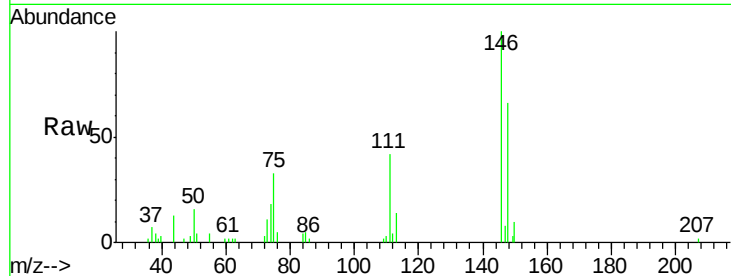
ClientSampleId :

MDL03

Tot Ion:	146	Resp:	9517
Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.5	52.9
148	65.7	44.6	82.8

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#65

1,4-Dichlorobenzene

Concen: 0.281 ug/L

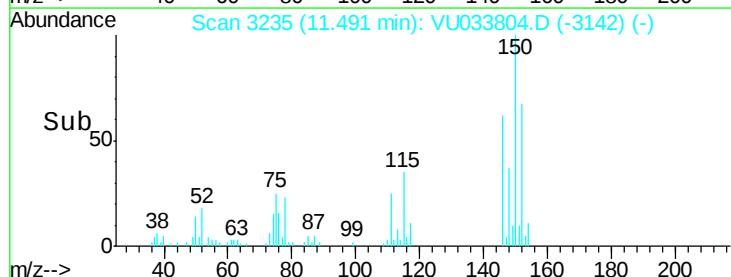
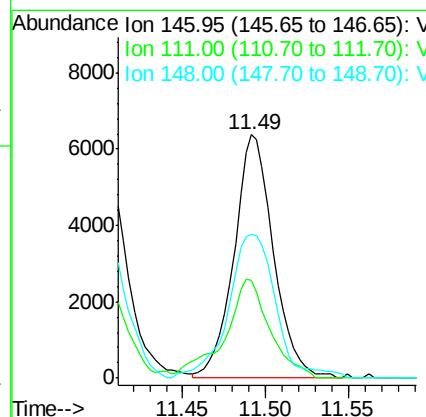
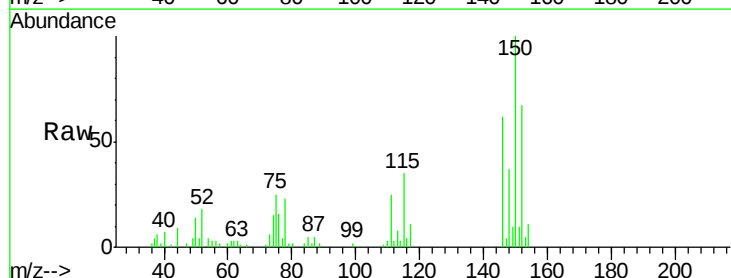
RT: 11.49 min Scan# 3235

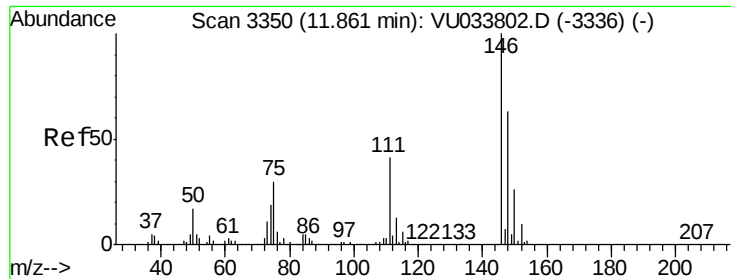
Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion:	146	Resp:	10557
Ion	Ratio	Lower	Upper
146	100		
111	40.2	26.2	48.8
148	59.2	44.2	82.0





#67

1,2-Dichlorobenzene

Concen: 0.281 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

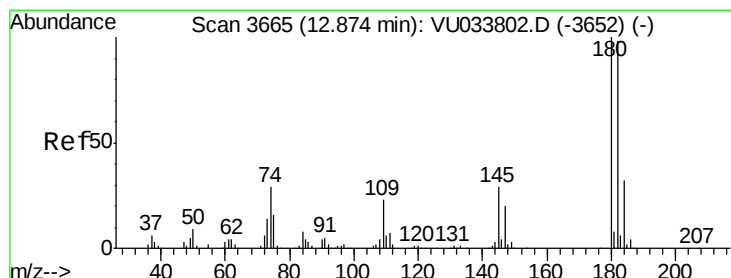
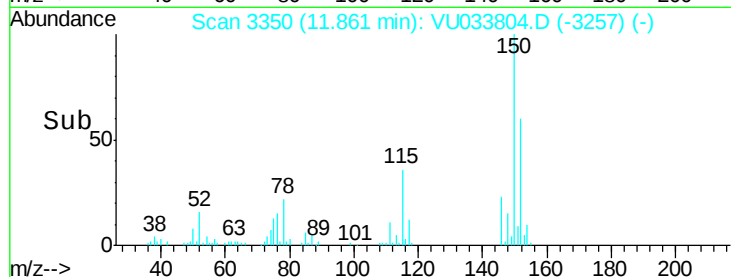
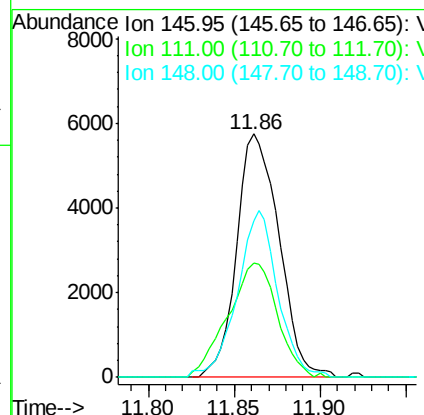
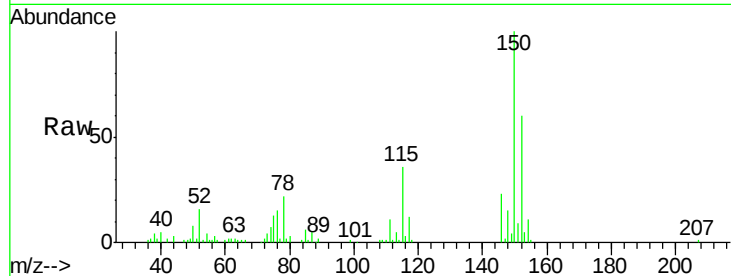
ClientSampleId :

MDL03

Tot Ion:	146	Resp:	9897
Ion Ratio	Lower	Upper	
146	100		
111	46.9	32.7	49.1
148	64.5	50.6	76.0

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#69

1,3,5-Trichlorobenzene

Concen: 0.241 ug/L

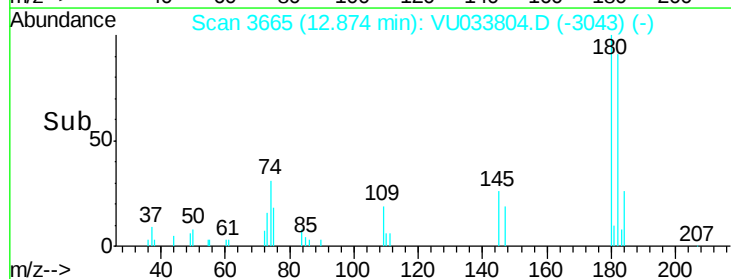
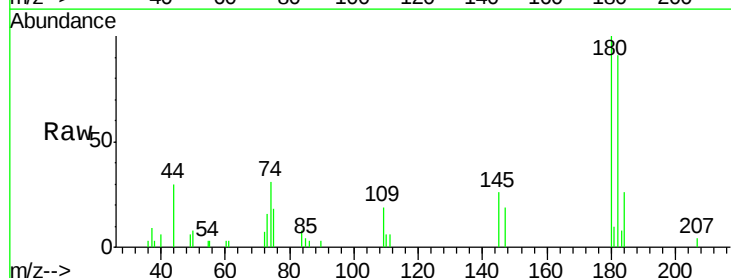
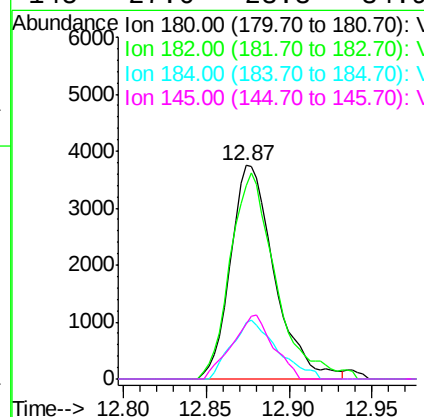
RT: 12.87 min Scan# 3665

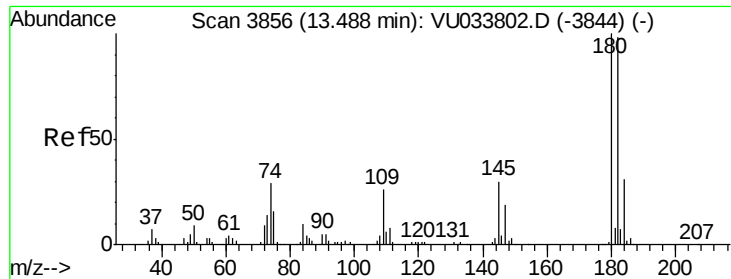
Delta R.T. -0.00 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Tgt Ion:	180	Resp:	6923
Ion Ratio	Lower	Upper	
180	100		
182	99.2	76.6	114.8
184	28.6	24.4	36.6
145	27.6	23.3	34.9





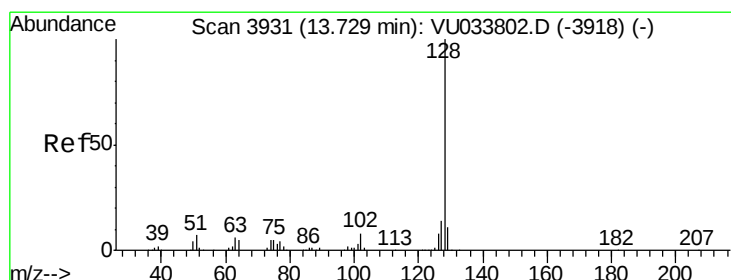
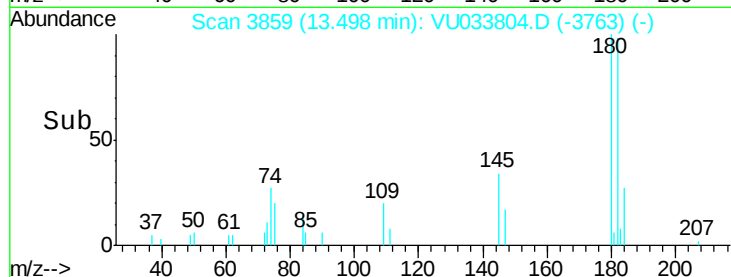
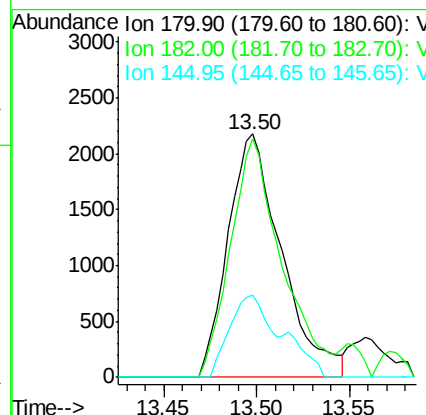
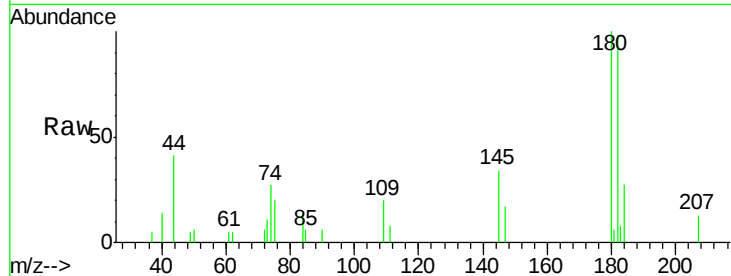
#70
 1,2,4-trichlorobenzene
 Concen: 0.195 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.4	116.2
145	32.8	23.5	35.3

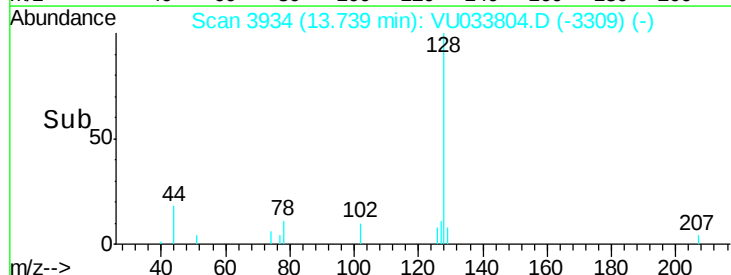
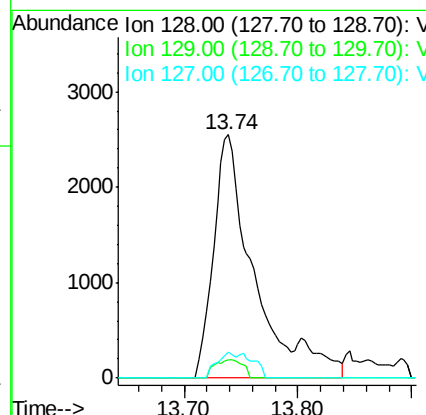
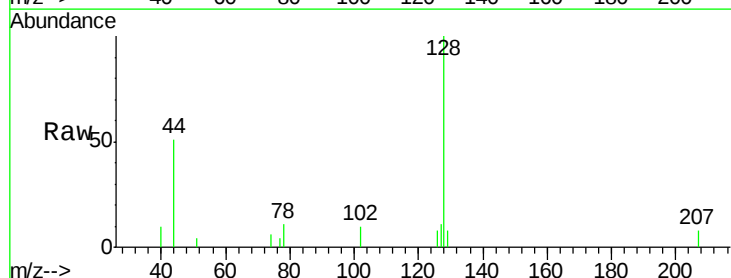
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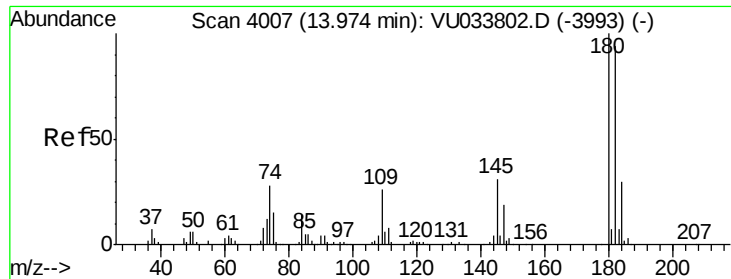
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#71
 Naphthalene
 Concen: 0.184 ug/L m
 RT: 13.74 min Scan# 3934
 Delta R.T. 0.01 min
 Lab File: VU033804.D
 Acq: 15 Aug 2019 11:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.2	8.5	12.7#
127	4.9	11.2	16.8#





#72

1,2,3-Trichlorobenzene

Concen: 0.218 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.01 min

Lab File: VU033804.D

Acq: 15 Aug 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion:180 Resp: 4586

Ion Ratio Lower Upper

180 100

182 99.1 75.7 113.5

145 30.1 24.3 36.5

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