

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081519\
 Data File : VU033806.D
 Acq On : 15 Aug 2019 13:26
 Operator : JC/SP
 Sample : MDL05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 12:02:34 PM

Quant Time: Aug 16 01:24:36 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	178741	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	190245	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	87243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	75545	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.67	69	66180	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	2.26	65	36766	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	4.20	46	185567	47.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.94%
24) Chloroform-d	4.62	84	126487	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.29	65	67006	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.32	84	232485	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.31	67	77576	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.55	98	193565	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	7.84	79	27572	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.30	63	124050	42.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.88%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	68604	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	11.84	152	80318	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	7453	0.288	ug/L	99
3) Chloromethane	1.32	50	7805	0.290	ug/L	90
5) Vinyl chloride	1.39	62	8763	0.299	ug/L #	70
6) Bromomethane	1.62	94	4949	0.290	ug/L	87
8) Chloroethane	1.69	64	5116	0.295	ug/L	94
9) Trichlorofluoromethane	1.88	101	11598	0.289	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7313	0.343	ug/L	94
12) 1,1-Dichloroethene	2.27	96	7294	0.354	ug/L #	1
13) Acetone	2.36	43	14958m	3.591	ug/L	
14) Carbon disulfide	2.46	76	20634	0.295	ug/L	99
15) Methyl Acetate	2.61	43	2744	0.253	ug/L #	84
16) Methylene chloride	2.68	84	8904	0.370	ug/L	97
17) Methyl tert-butyl Ether	2.99	73	15007	0.281	ug/L #	92
18) trans-1,2-Dichloroethene	2.96	96	6806	0.308	ug/L	98
19) 1,1-Dichloroethane	3.42	63	9932	0.287	ug/L	97
21) 2-Butanone	4.29	43	12282	2.381	ug/L	83
22) cis-1,2-Dichloroethene	4.20	96	5167	0.274	ug/L	90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	2720	0.301	ug/L	97
25) Chloroform	4.65	83	14834	0.399	ug/L	93
27) 1,2-Dichloroethane	5.39	62	6824	0.298	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	8534	0.276	ug/L	98
30) Cyclohexane	4.96	56	6250	0.223	ug/L	96
31) Carbon tetrachloride	5.11	117	7862	0.285	ug/L	94
33) Benzene	5.37	78	20563	0.270	ug/L	100
34) Trichloroethene	6.17	95	6167	0.309	ug/L	87
35) Methylcyclohexane	6.40	83	7301	0.244	ug/L	97
37) 1,2-Dichloropropane	6.41	63	5757	0.280	ug/L #	91
38) Bromodichloromethane	6.74	83	7665	0.296	ug/L #	94
39) cis-1,3-Dichloropropene	7.26	75	7329	0.264	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	26693	2.246	ug/L #	88
42) Toluene	7.62	91	20366	0.255	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	5843	0.252	ug/L	92
45) 1,1,2-Trichloroethane	8.05	97	3995	0.272	ug/L	93
47) Tetrachloroethene	8.21	164	4603	0.277	ug/L	88
48) 2-Hexanone	8.35	43	29447	3.427	ug/L	94
49) Dibromochloromethane	8.46	129	4885	0.274	ug/L	88
50) 1,2-Dibromoethane	8.57	107	3813	0.268	ug/L #	94
51) Chlorobenzene	9.11	112	13613	0.264	ug/L	90
52) Ethylbenzene	9.23	91	19803	0.239	ug/L	96
53) m,p-Xylene	9.36	106	6653	0.213	ug/L	91
54) o-Xylene	9.76	106	5744	0.194	ug/L	85
55) Styrene	9.78	104	9559	0.186	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	5631	0.292	ug/L #	95
59) Isopropylbenzene	10.15	105	15708	0.236	ug/L	96
60) Bromoform	9.95	173	2675	0.300	ug/L #	94
61) 1,2,3-Trichloropropane	10.48	75	3710	0.320	ug/L	96
62) 1,3,5-Trimethylbenzene	10.76	105	11768	0.218	ug/L	98
63) 1,2,4-Trimethylbenzene	11.13	105	11767	0.218	ug/L	94
64) 1,3-Dichlorobenzene	11.40	146	10341	0.291	ug/L	97
65) 1,4-Dichlorobenzene	11.49	146	10947	0.299	ug/L	95
67) 1,2-Dichlorobenzene	11.86	146	10899	0.317	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.64	75	628	0.248	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.88	180	7652	0.274	ug/L	95
70) 1,2,4-trichlorobenzene	13.49	180	4606	0.212	ug/L	95
71) Naphthalene	13.74	128	6220	0.186	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.98	180	4614	0.225	ug/L	97

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

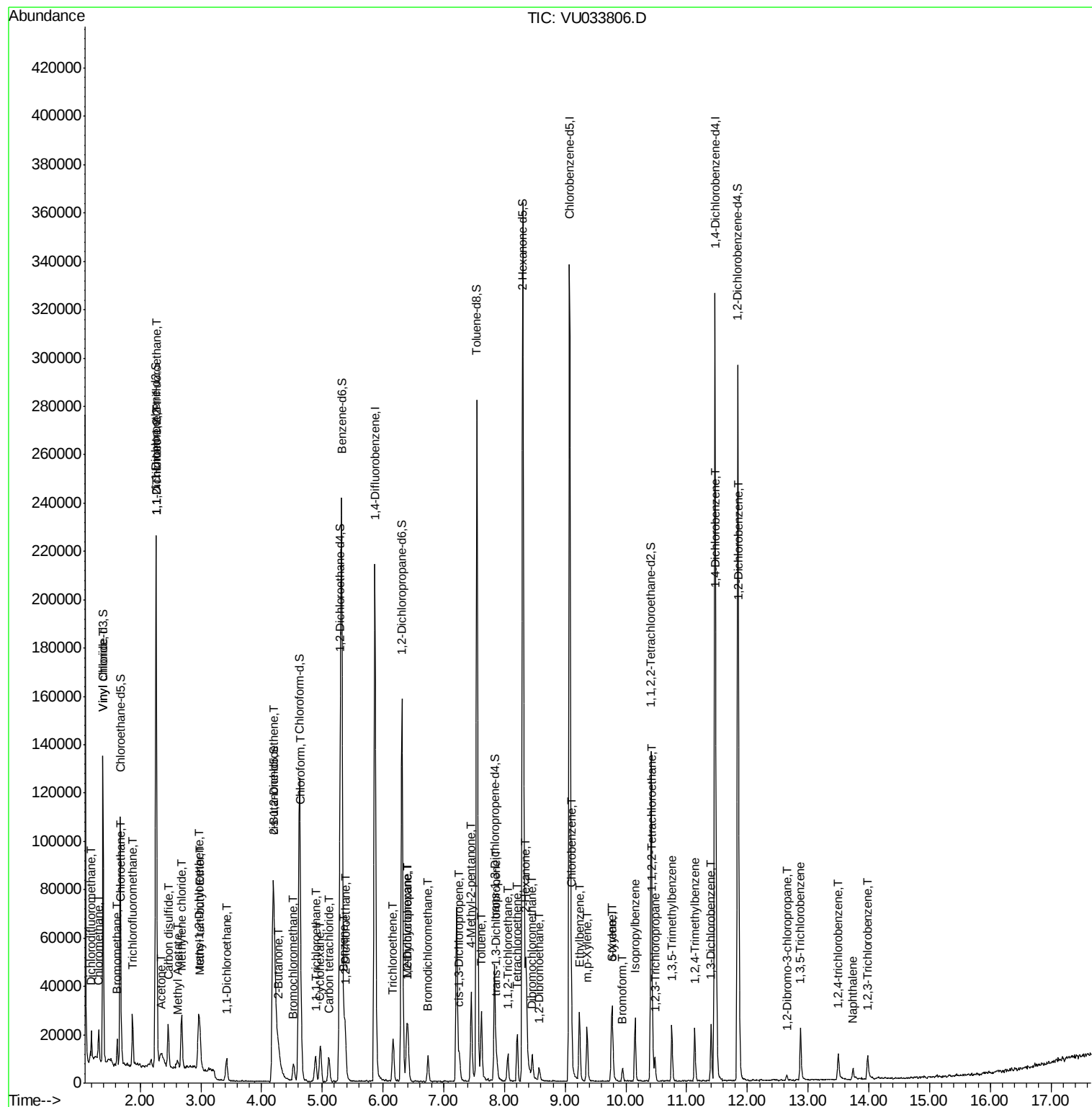
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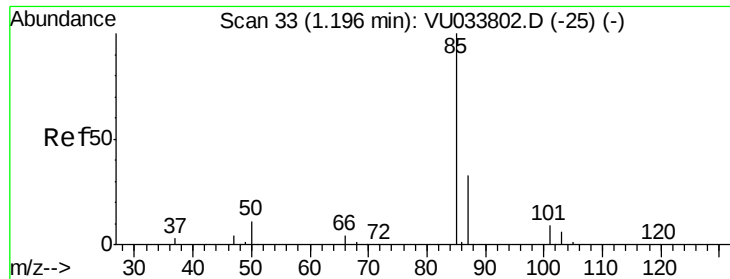
Instrument :
MSVOA_U
ClientSampleId :
MDL05

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.288 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 7453

Ion Ratio Lower Upper

85 100

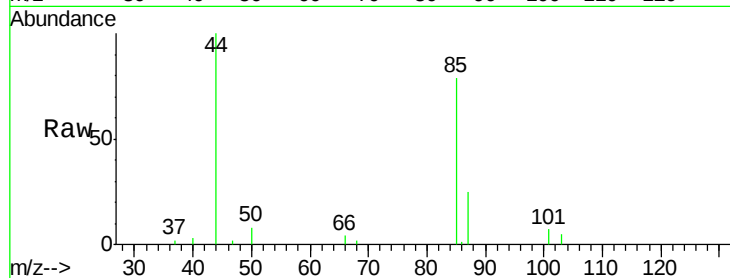
87 31.3 25.6 38.4

Manual Integrations

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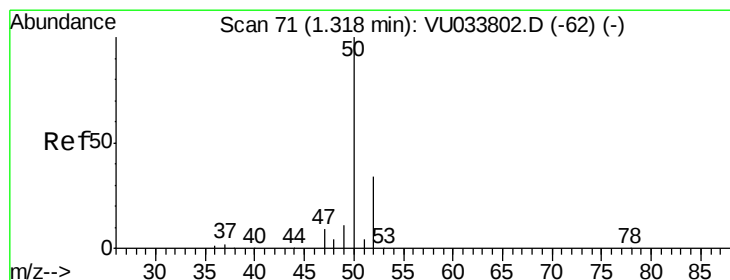
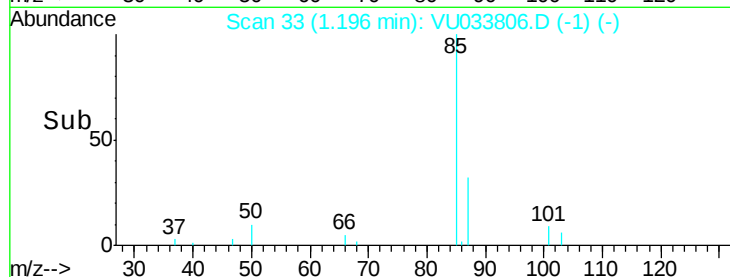
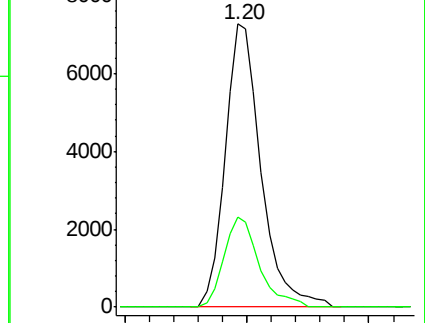
MMDadoda

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Abundance Ion 85.00 (84.70 to 85.70): VU033806.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033806.D (-1) (-)



#3

Chloromethane

Concen: 0.290 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033806.D

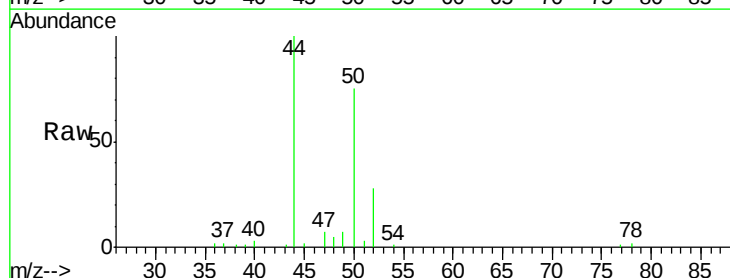
Acq: 15 Aug 2019 13:26

Tgt Ion: 50 Resp: 7805

Ion Ratio Lower Upper

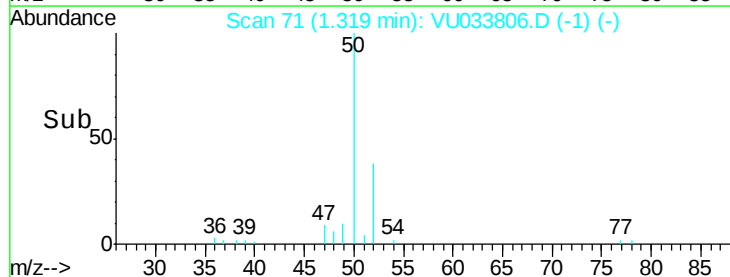
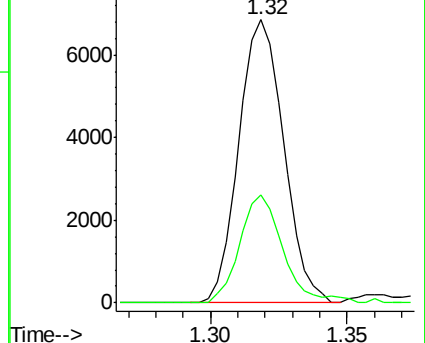
50 100

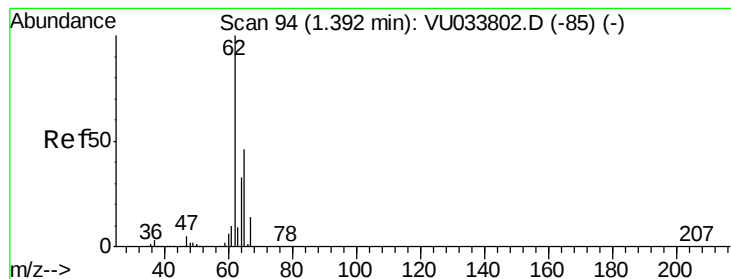
52 38.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU033806.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033806.D (-1) (-)





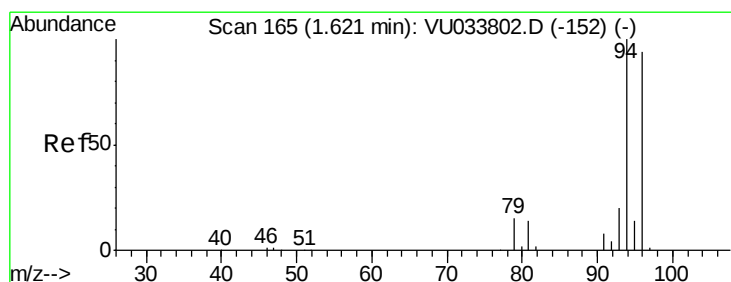
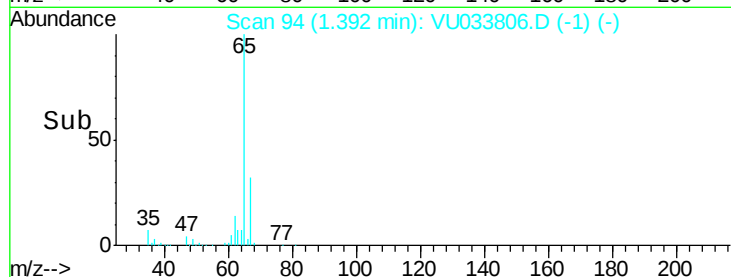
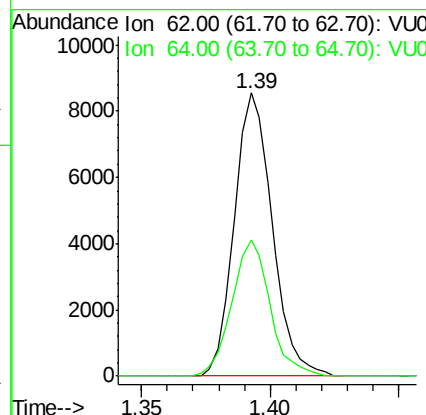
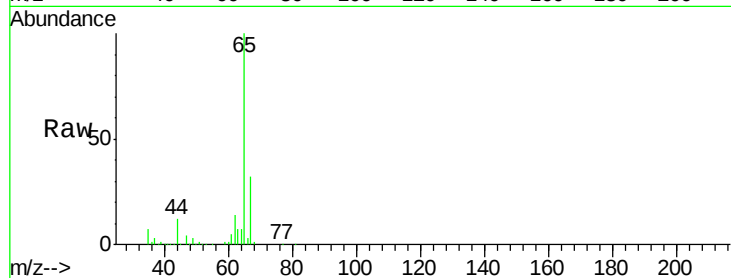
#5
 Vinyl chloride
 Concen: 0.299 ug/L
 RT: 1.39 min Scan# 94
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
62	100		
64	47.9	21.9	40.7#

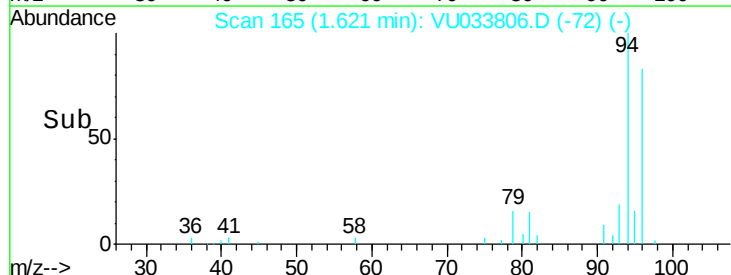
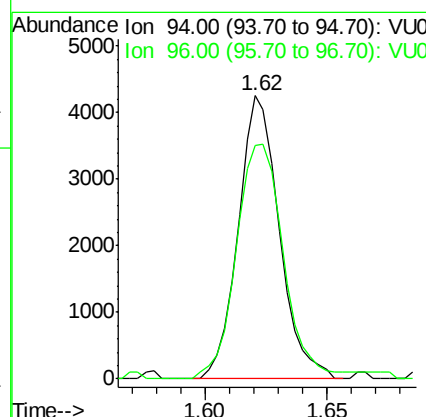
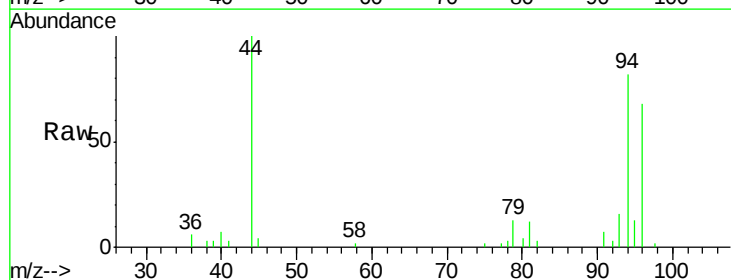
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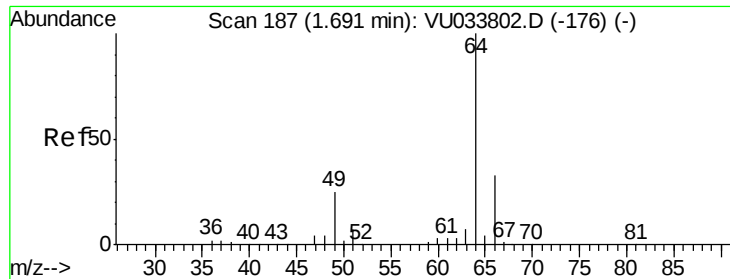
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#6
 Bromomethane
 Concen: 0.290 ug/L
 RT: 1.62 min Scan# 165
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
94	100		
96	82.7	66.4	123.2





#8

Chloroethane

Concen: 0.295 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 64 Resp: 5116

Ion Ratio Lower Upper

64 100

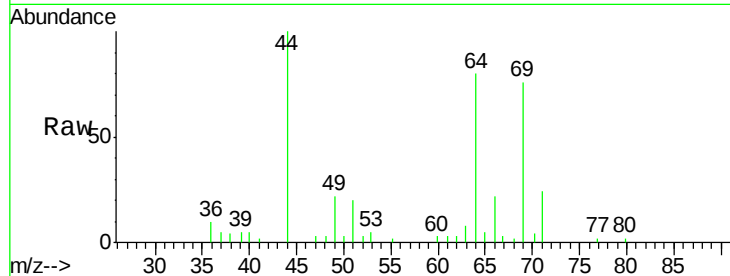
66 28.1 21.9 40.7

Manual Integrations

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Abundance Ion 64.00 (63.70 to 64.70): VU033806.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033806.D (-176) (-)

1.69

4000

3000

2000

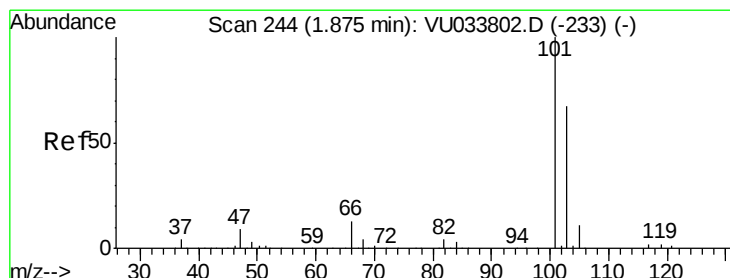
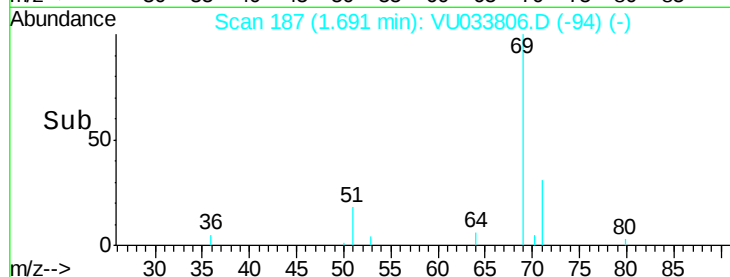
1000

0

Time-->

1.65

1.70



#9

Trichlorofluoromethane

Concen: 0.289 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033806.D

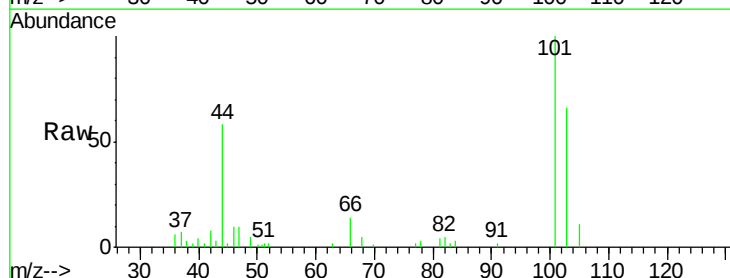
Acq: 15 Aug 2019 13:26

Tgt Ion:101 Resp: 11598

Ion Ratio Lower Upper

101 100

103 65.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU033806.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033806.D (-233) (-)

1.88

8000

6000

4000

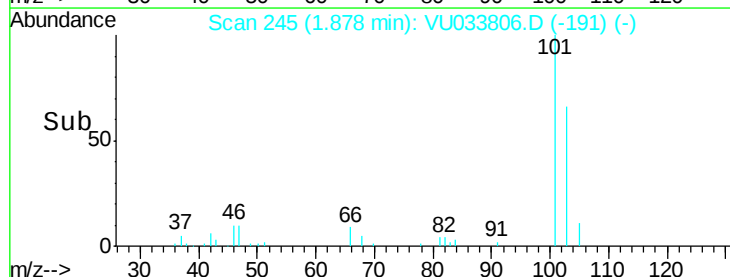
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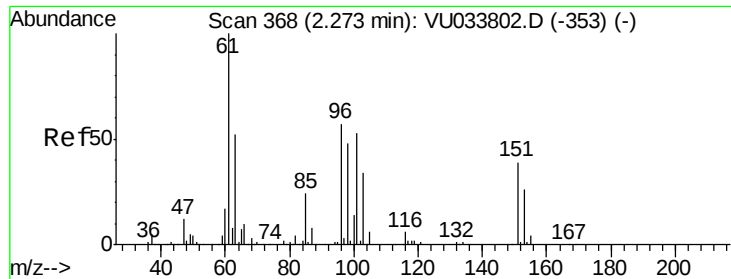
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Time-->

1.85

1.90





#10

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

Concen: 0.343 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

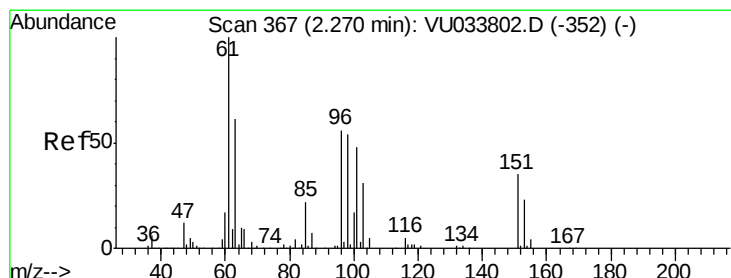
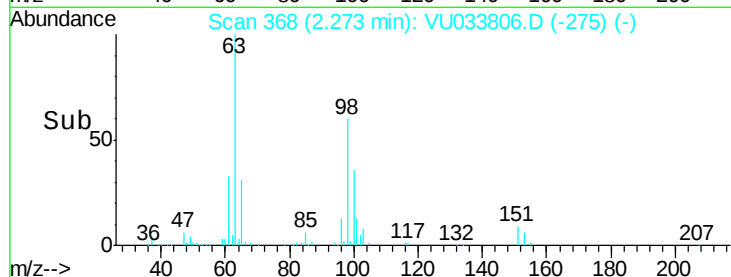
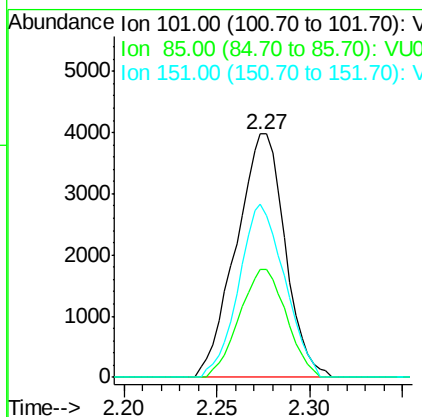
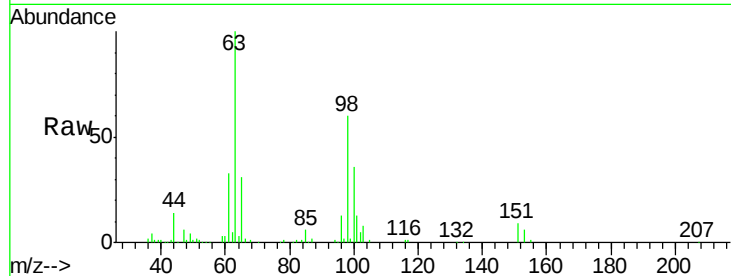
ClientSampled :

MDL05

Tot Ion:	101	Resp:	7313
Ion Ratio	Lower	Upper	
101	100		
85	42.6	36.2	54.2
151	66.8	58.7	88.1

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.354 ug/L

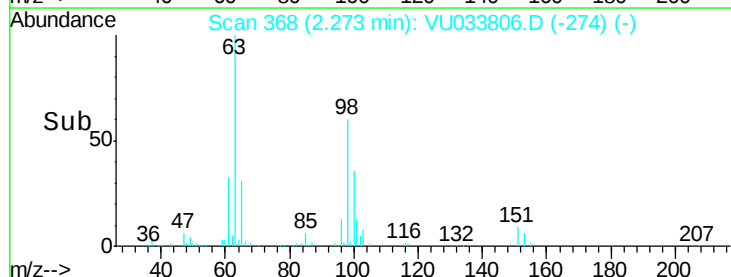
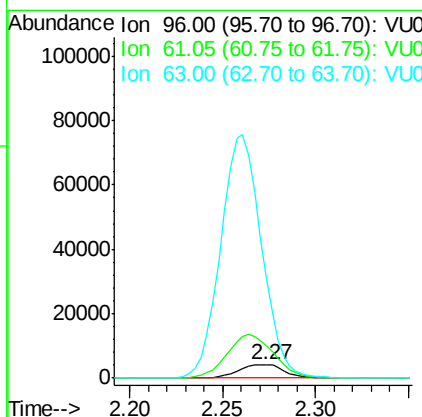
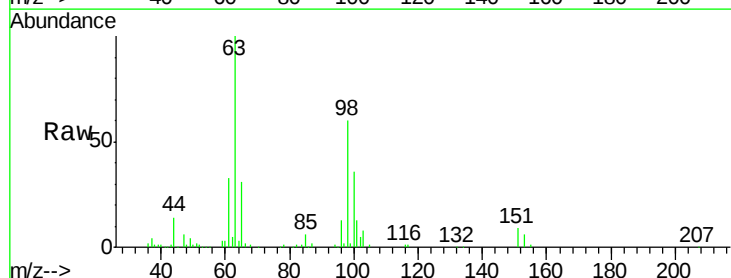
RT: 2.27 min Scan# 368

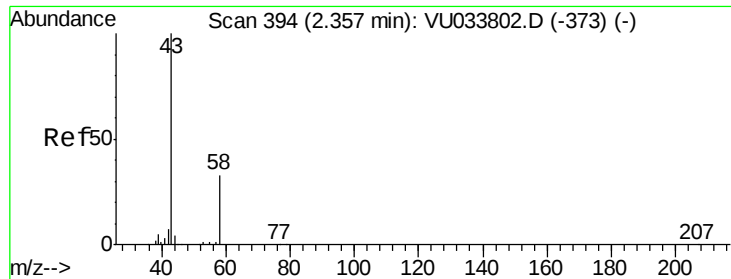
Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Tgt Ion:	96	Resp:	7294
Ion Ratio	Lower	Upper	
96	100		
61	243.1	123.8	230.0#
63	747.5	78.0	144.9#





#13

Acetone

Concen: 3.591 ug/L m

RT: 2.36 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 14958

Ion Ratio Lower Upper

43 100

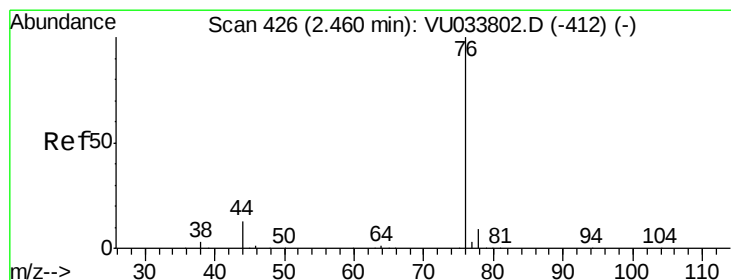
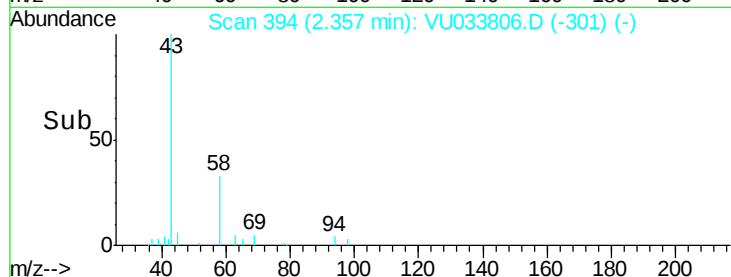
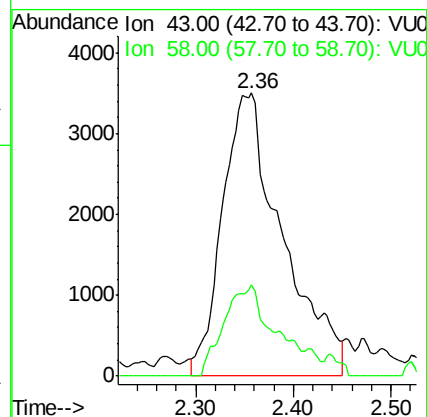
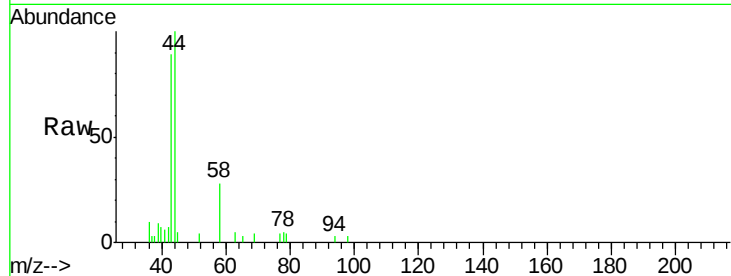
58 1.8 0.0 27.0

Manual Integrations

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#14

Carbon disulfide

Concen: 0.295 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033806.D

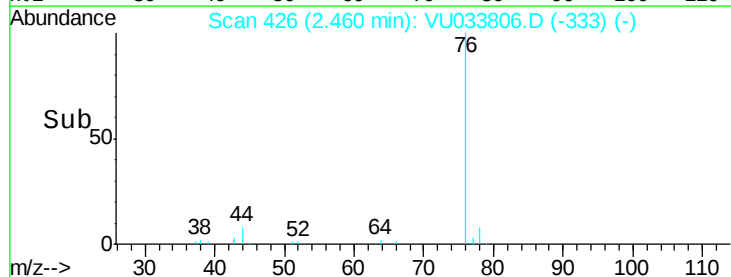
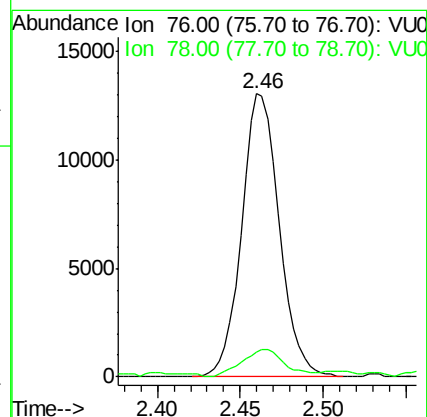
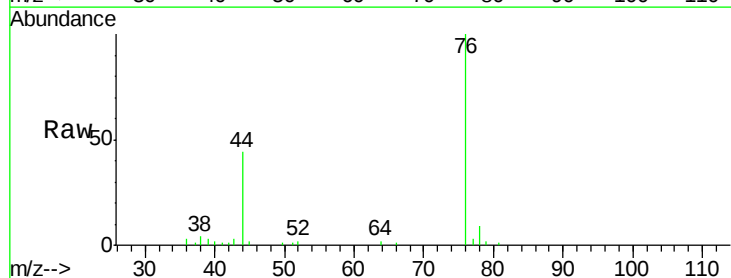
Acq: 15 Aug 2019 13:26

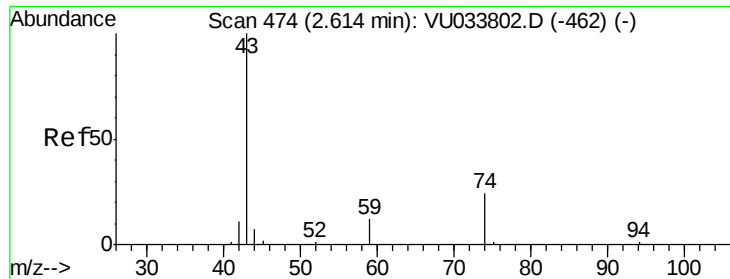
Tgt Ion: 76 Resp: 20634

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8





#15

Methvl Acetate

Concen: 0.253 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

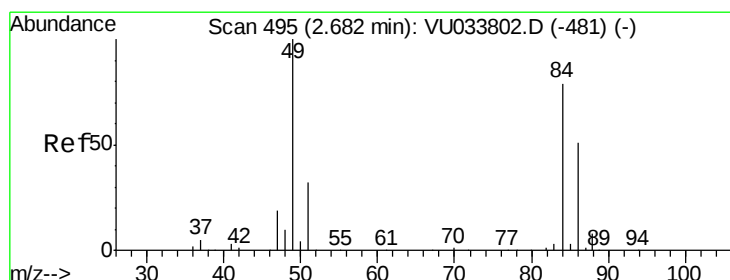
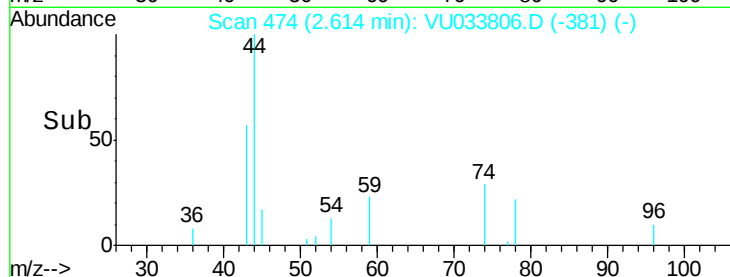
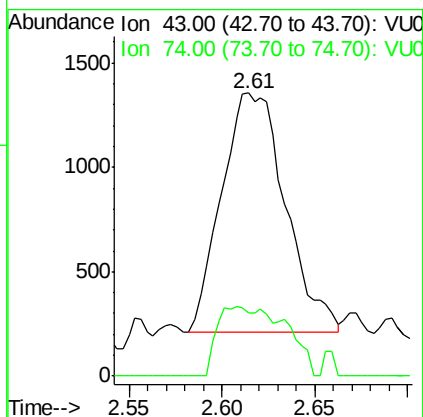
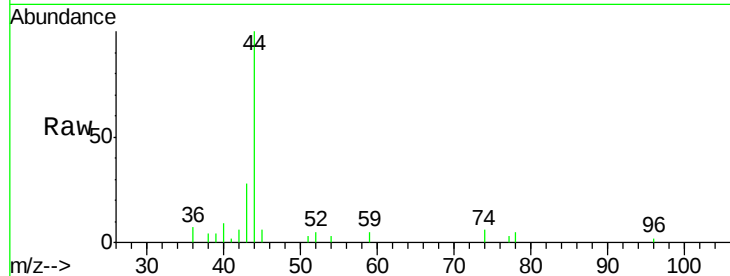
74 31.1 18.8 28.2#

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#16

Methylene chloride

Concen: 0.370 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

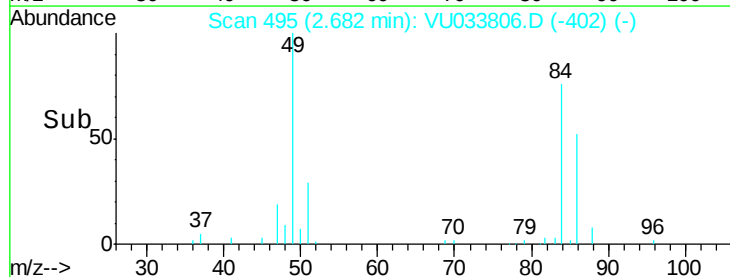
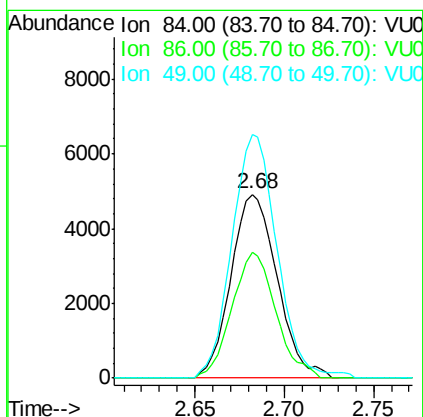
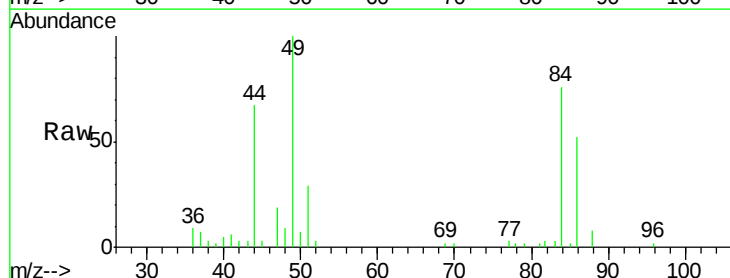
Tgt Ion: 84 Resp: 8904

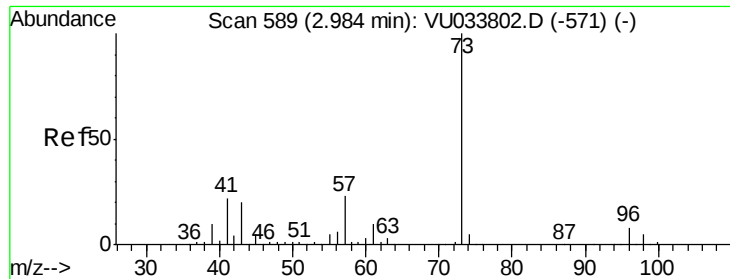
Ion Ratio Lower Upper

84 100

86 68.5 46.0 85.4

49 132.4 90.4 168.0





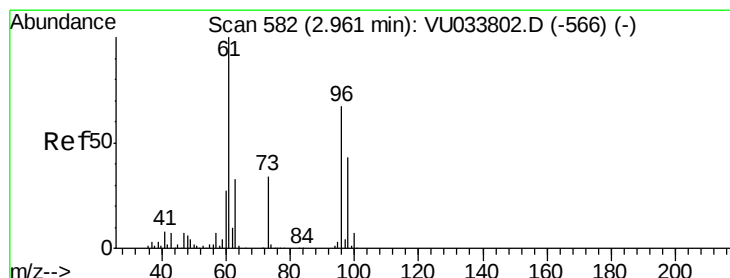
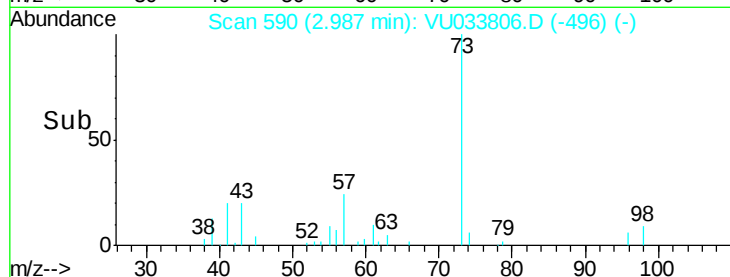
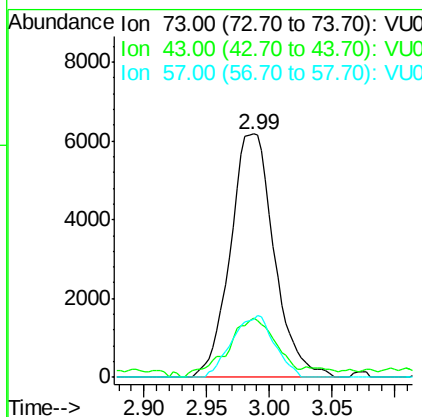
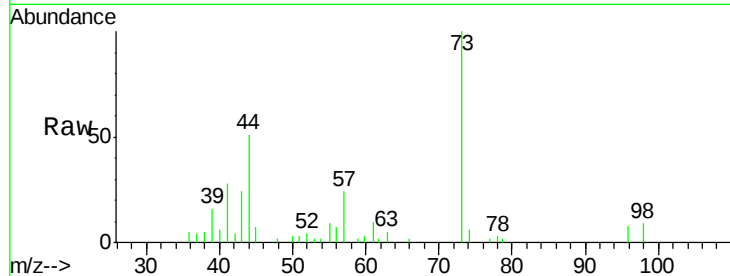
#17
Methvl tert-butvl Ether
Concen: 0.281 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.8	16.2	24.4#
57	24.6	18.9	28.3

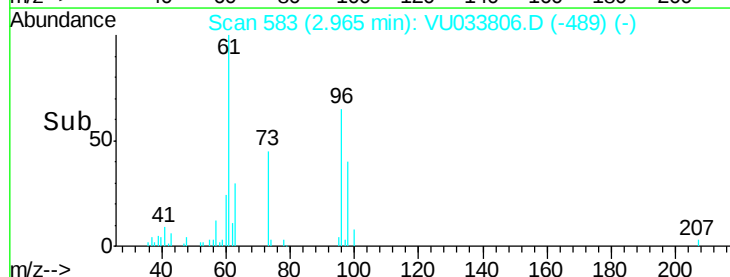
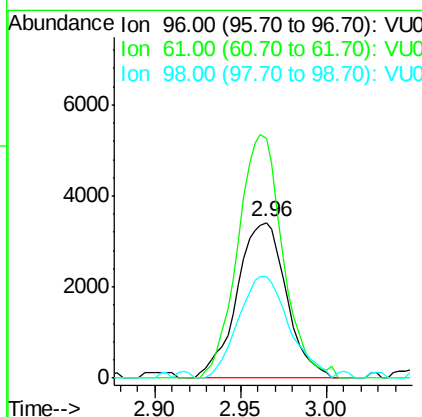
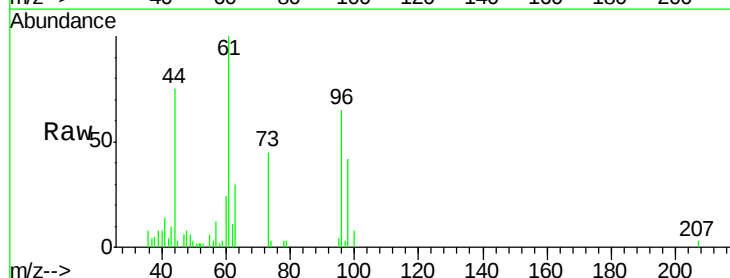
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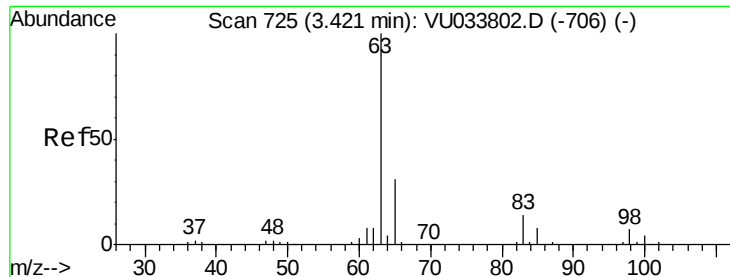
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 0.308 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	107.2	199.0
98	64.9	43.0	79.8





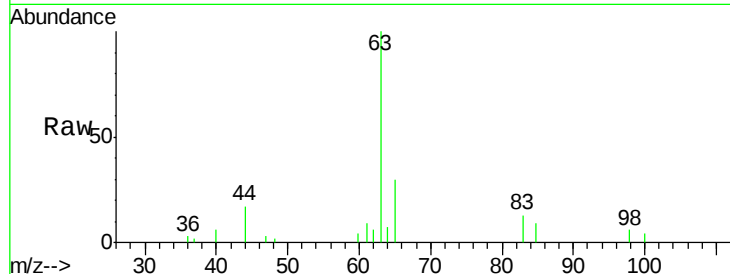
#19
 1,1-Dichloroethane
 Concen: 0.287 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

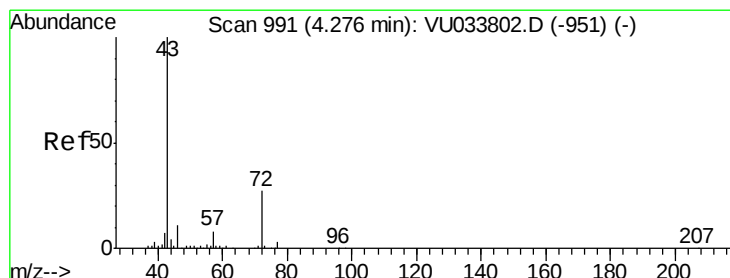
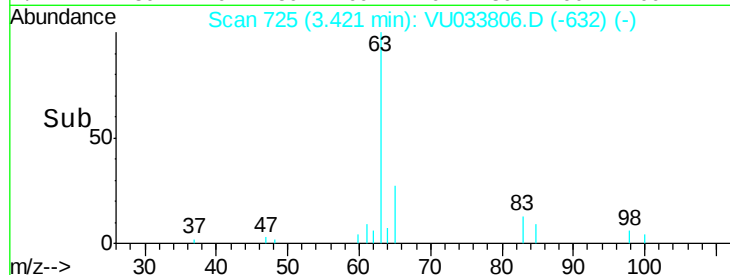
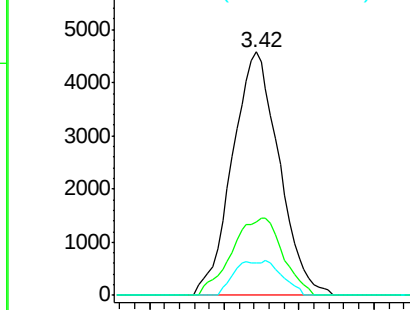
Tot Ion:	63	Resp:	9932
Ion	Ratio	Lower	Upper
63	100		
65	30.3	22.4	41.6
83	13.2	9.7	17.9

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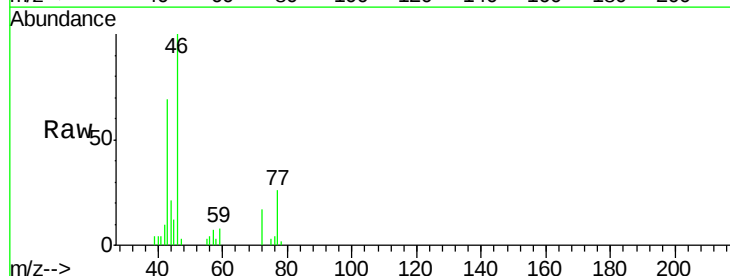


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

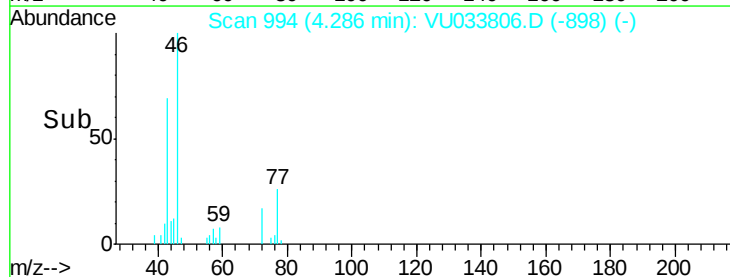
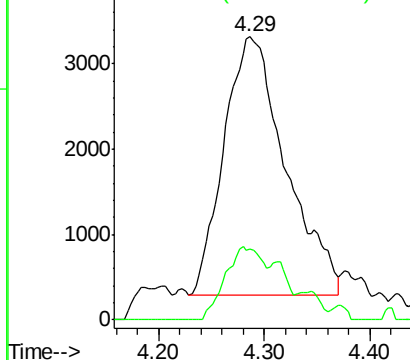


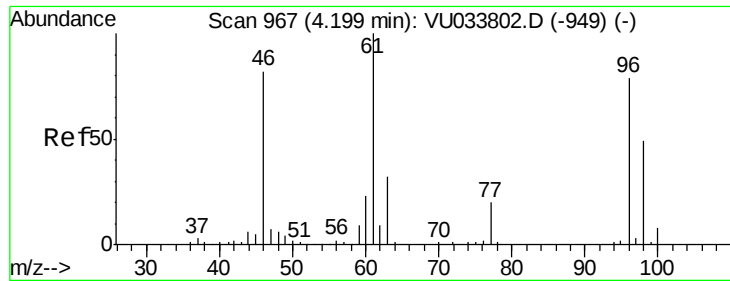
#21
 2-Butanone
 Concen: 2.381 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion:	43	Resp:	12282
Ion	Ratio	Lower	Upper
43	100		
72	17.2	13.1	39.1



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





#22

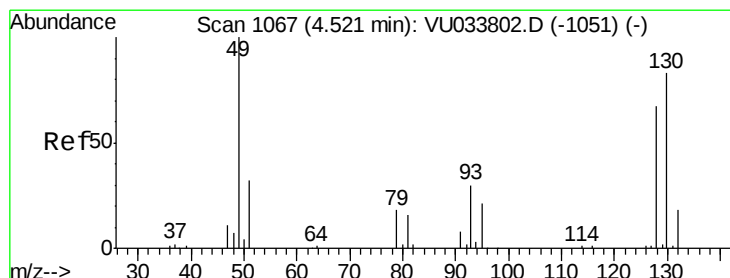
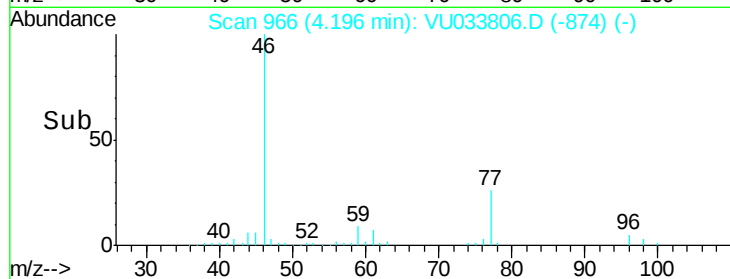
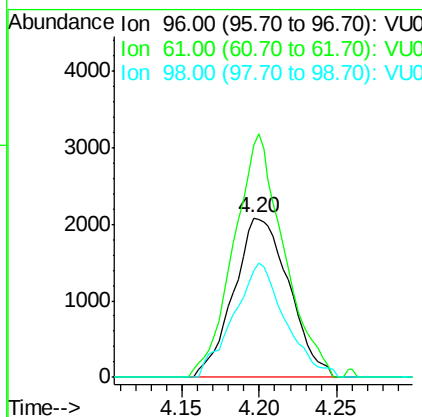
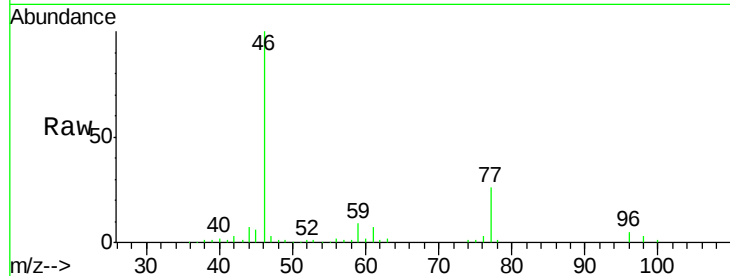
cis-1,2-Dichloroethene
Concen: 0.274 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	91.7	170.3
98	67.4	45.1	83.9

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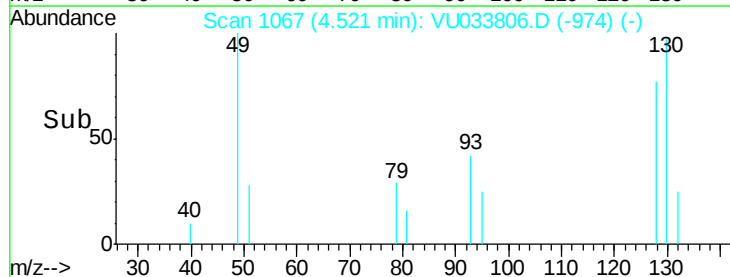
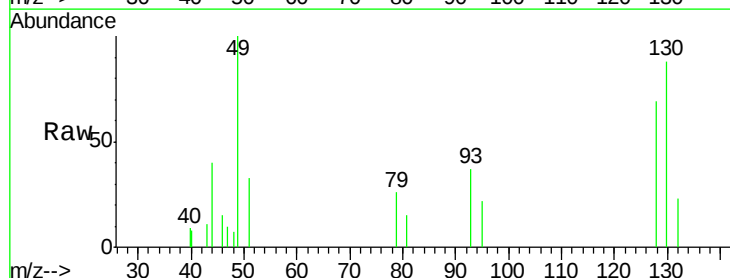
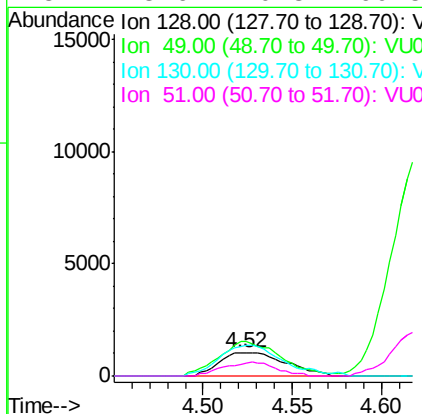
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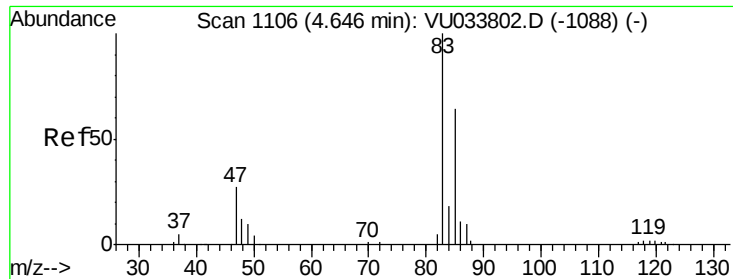


#23

Bromochloromethane
Concen: 0.301 ug/L
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	145.2	106.8	198.4
130	127.1	88.3	164.1
51	48.6	40.3	60.5





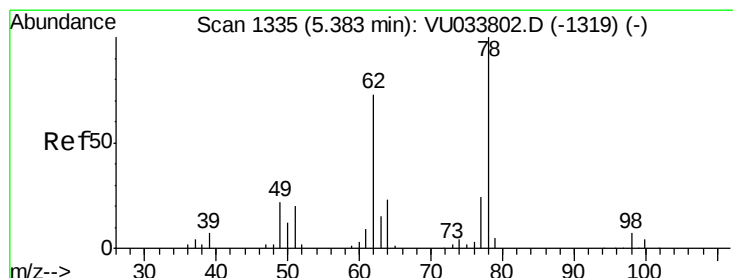
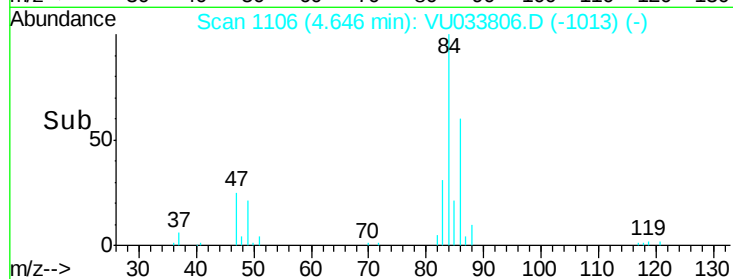
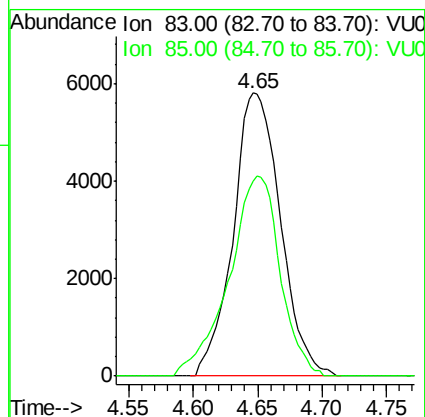
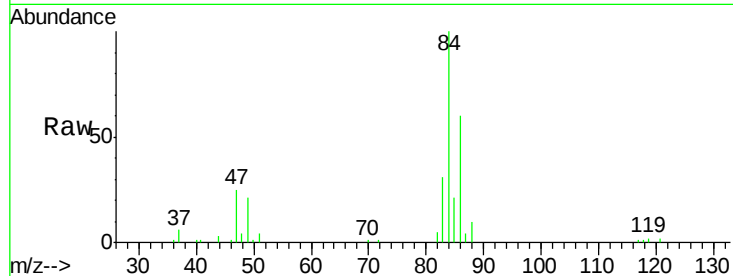
#25
Chloroform
Concen: 0.399 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	83	Resp	14834
Ion Ratio	100	Lower	Upper
85	68.8	44.2	82.0

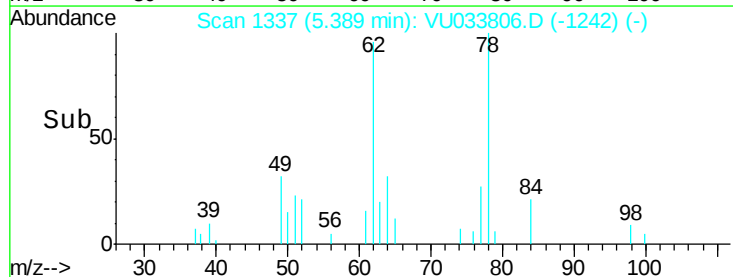
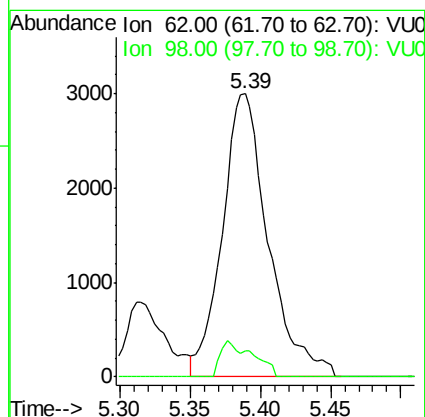
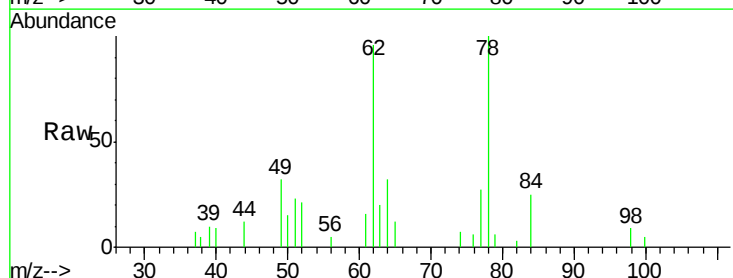
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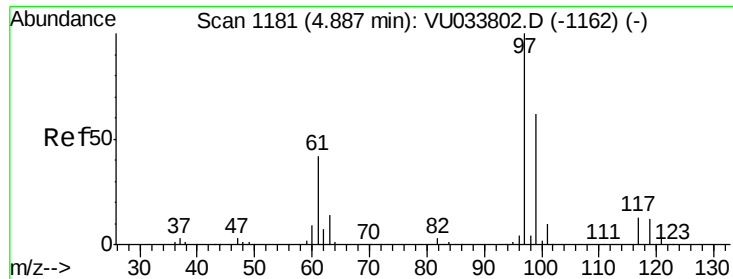
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#27
1,2-Dichloroethane
Concen: 0.298 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion	62	Resp	6824
Ion Ratio	100	Lower	Upper
98	9.3	7.4	11.0





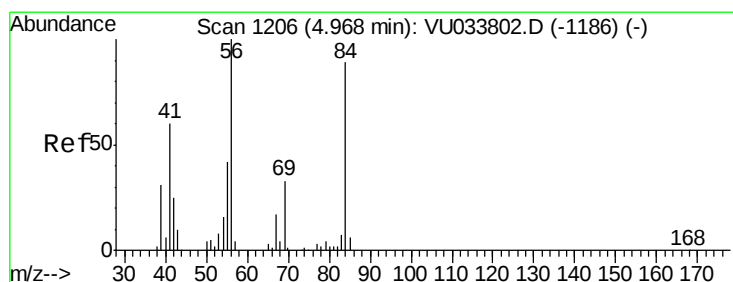
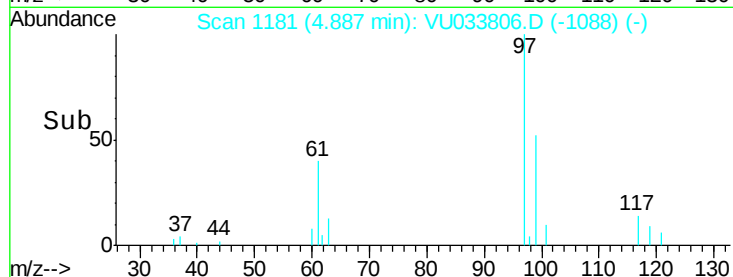
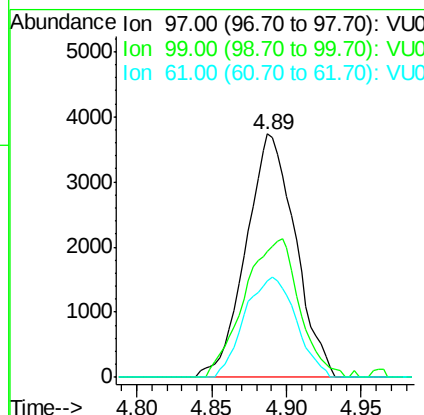
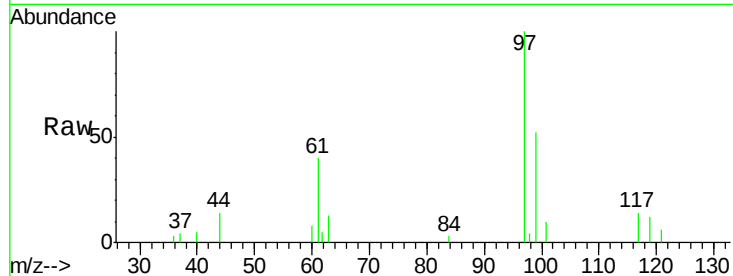
#29
 1,1,1-Trichloroethane
 Concen: 0.276 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	42.8	37.4	56.0

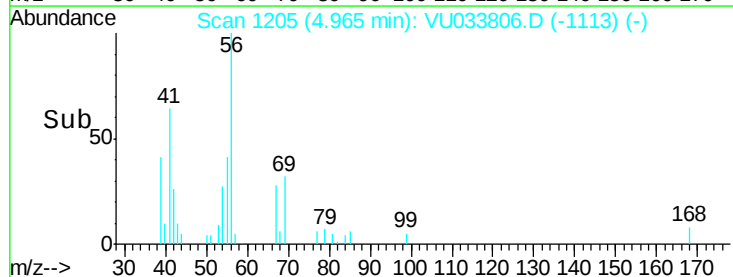
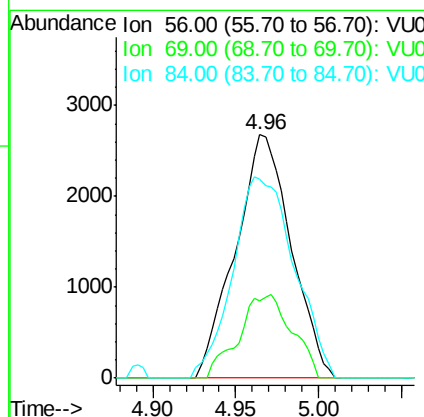
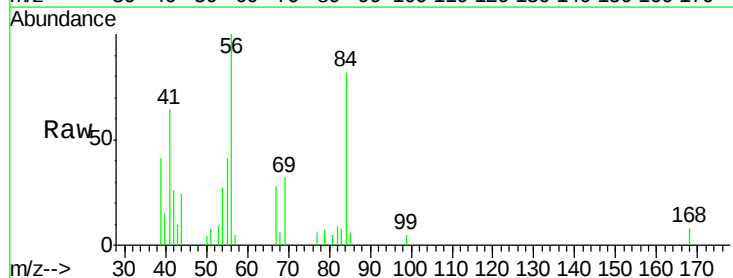
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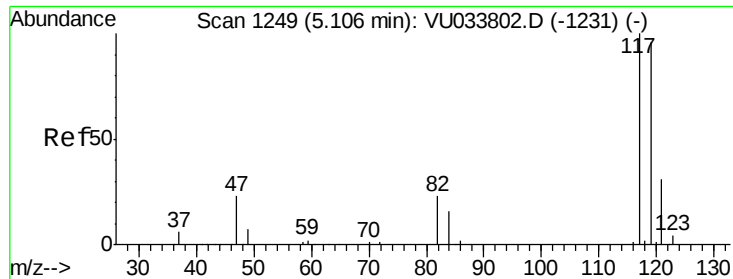
MMDadoda
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#30
 Cyclohexane
 Concen: 0.223 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.2	37.8
84	91.5	69.8	104.6





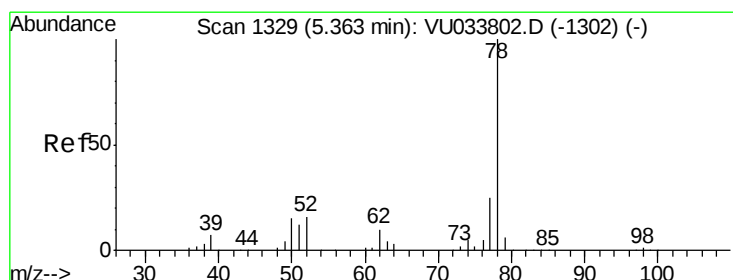
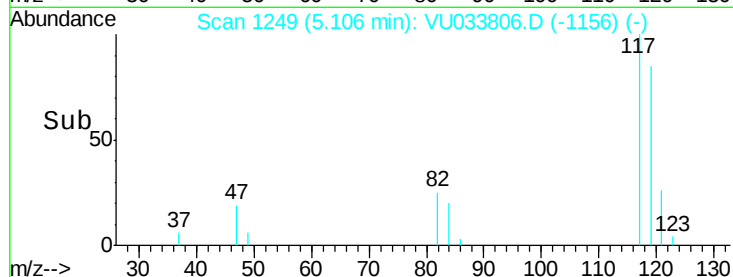
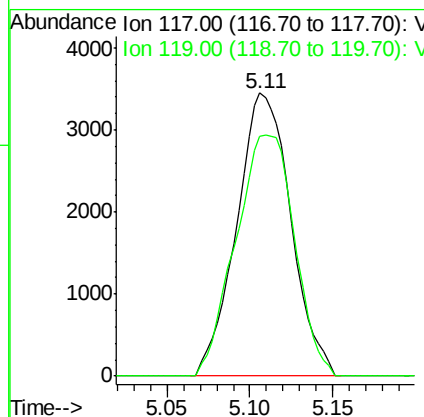
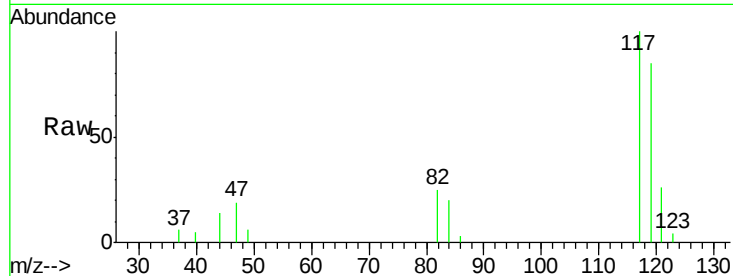
#31
Carbon tetrachloride
Concen: 0.285 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion:117 Resp: 7862
Ion Ratio Lower Upper
117 100
119 92.3 78.5 117.7

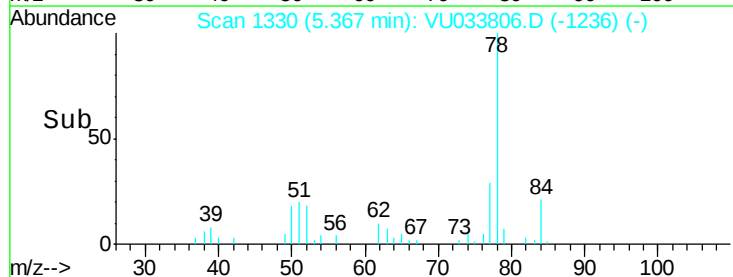
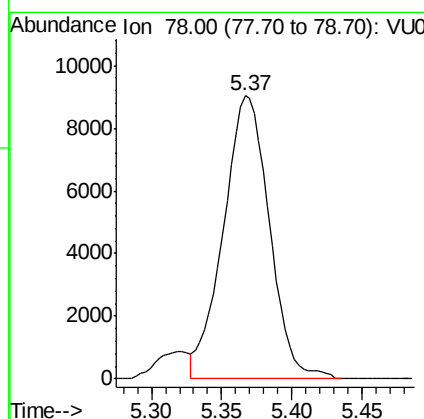
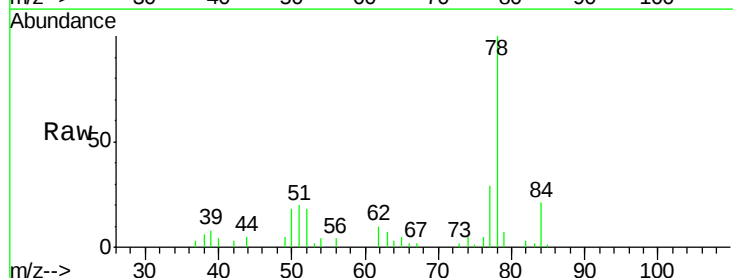
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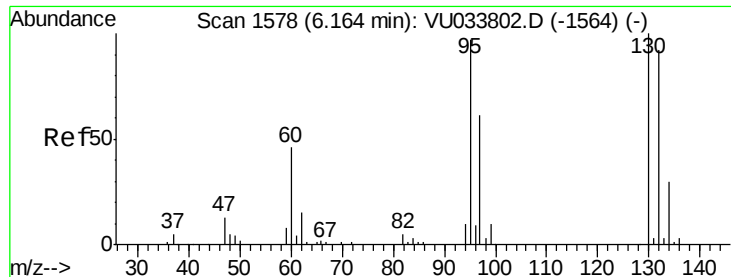
MMDadoda
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#33
Benzene
Concen: 0.270 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion: 78 Resp: 20563





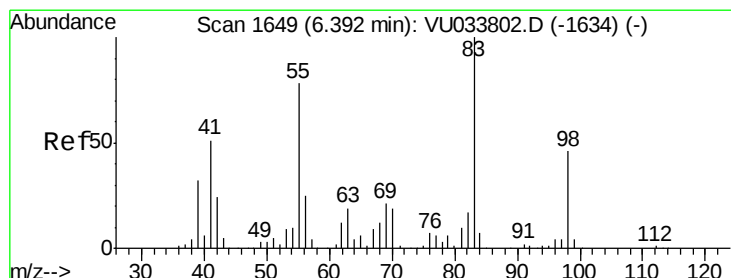
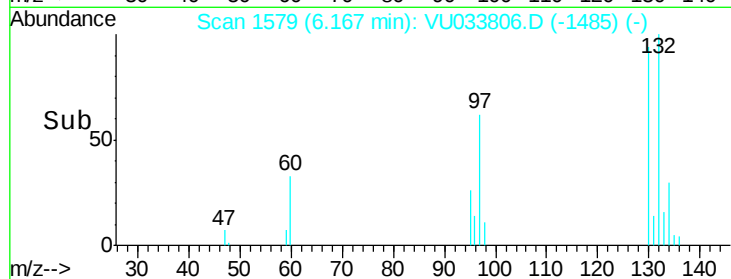
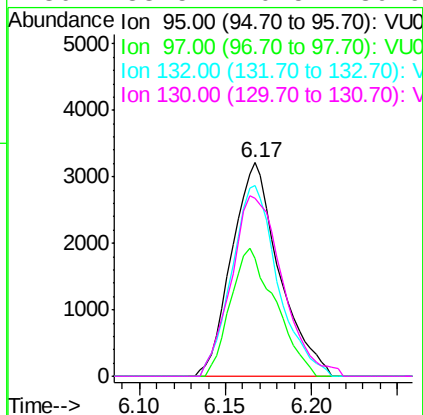
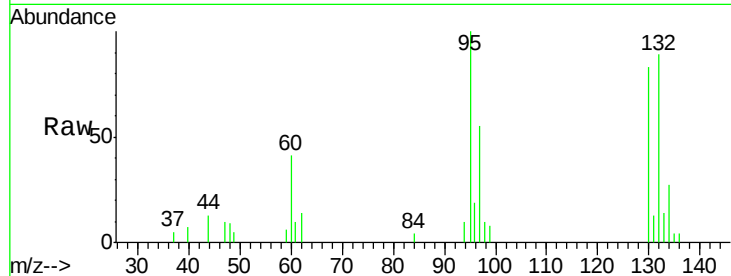
#34
 Trichloroethene
 Concen: 0.309 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL05

Tot Ion:	95	Resp:	6167
Ion	Ratio	Lower	Upper
95	100		
97	55.2	45.4	84.4
132	89.2	68.9	127.9
130	83.5	70.5	130.9

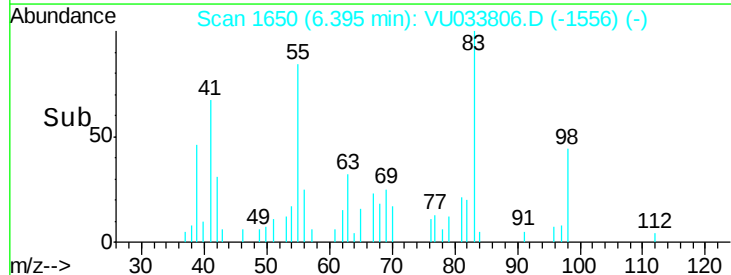
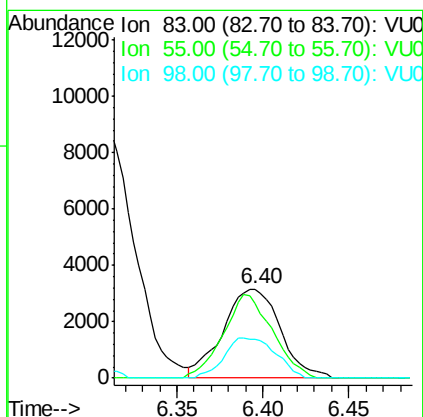
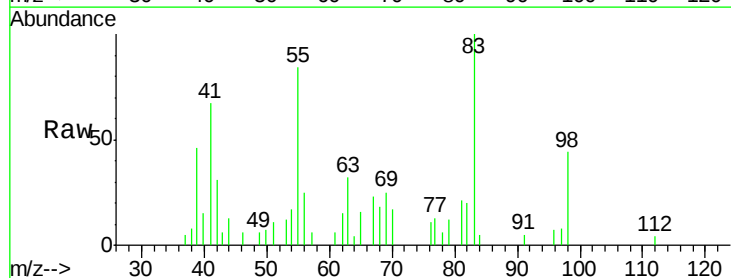
Manual Integrations
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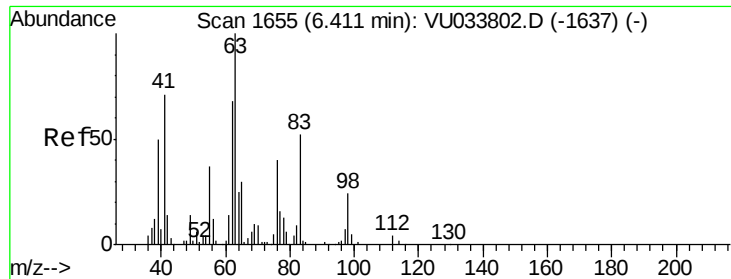
MMDadoda
 8/16/2019 12:02:34 PM



#35
 Methylcyclohexane
 Concen: 0.244 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion:	83	Resp:	7301
Ion	Ratio	Lower	Upper
83	100		
55	80.9	65.0	97.6
98	40.6	36.2	54.4





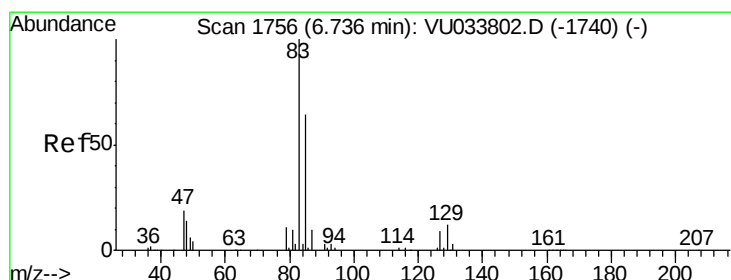
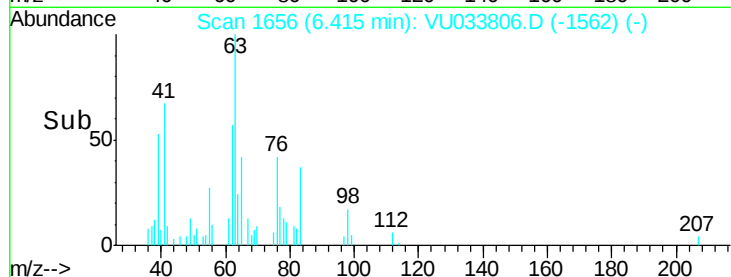
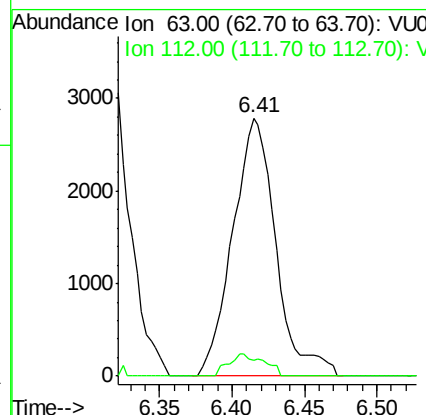
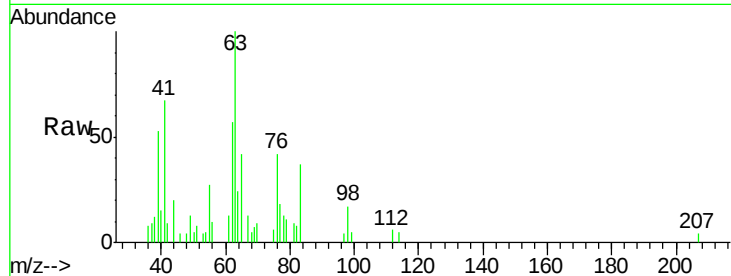
#37
 1,2-Dichloropropane
 Concen: 0.280 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion: 63 Resp: 5757
 Ion Ratio Lower Upper
 63 100
 112 7.0 3.3 4.9#

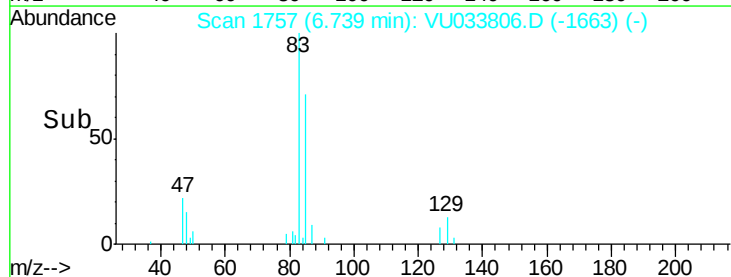
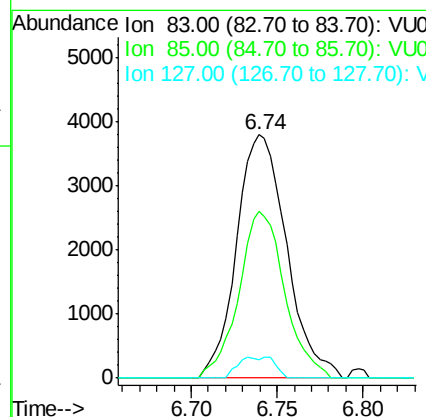
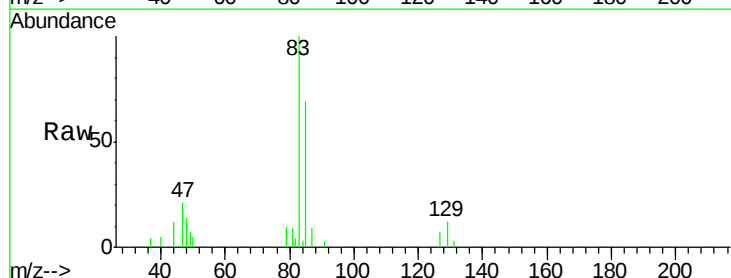
Manual Integrations
 APPROVED

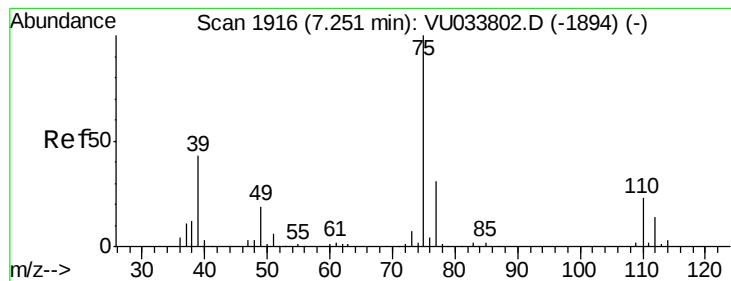
MMDadoda
 8/16/2019 12:02:34 PM



#38
 Bromodichloromethane
 Concen: 0.296 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion: 83 Resp: 7665
 Ion Ratio Lower Upper
 83 100
 85 68.5 45.0 83.6
 127 7.3 7.8 11.6#





#39

cis-1,3-Dichloropropene

Concen: 0.264 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 7329

Ion Ratio Lower Upper

75 100

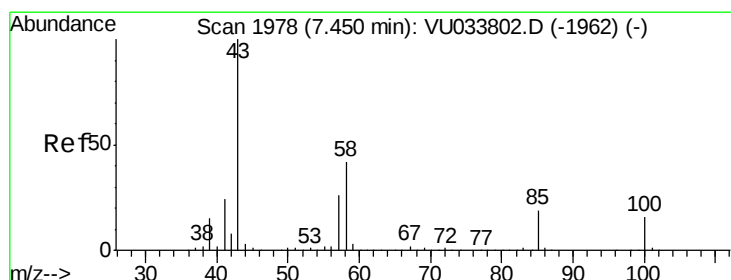
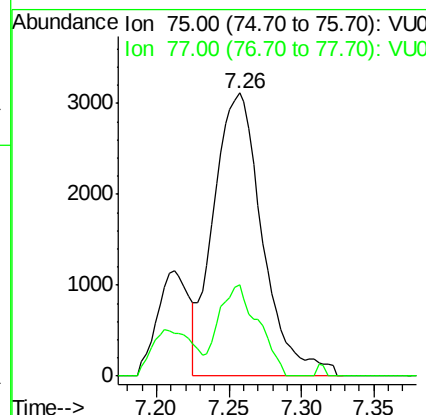
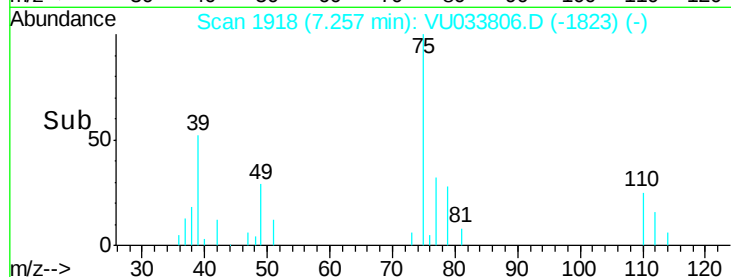
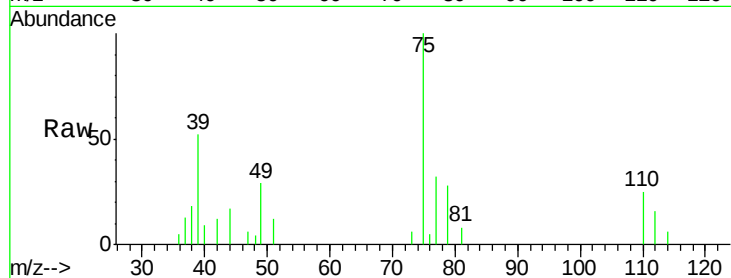
77 32.1 23.6 43.8

Manual Integrations

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MMDadoda

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#40

4-Methyl-2-pentanone

Concen: 2.246 ug/L

RT: 7.45 min Scan# 1978

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

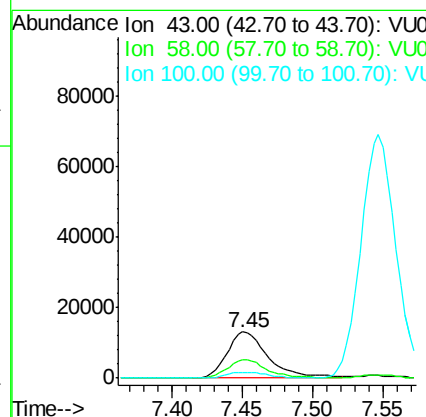
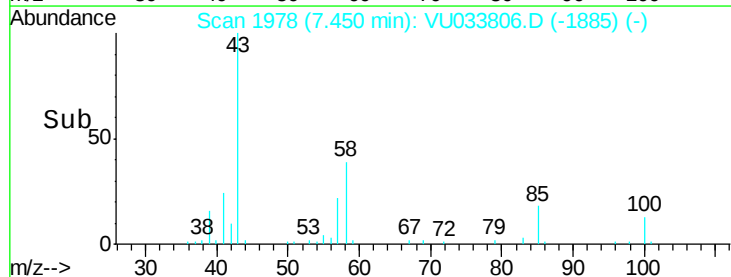
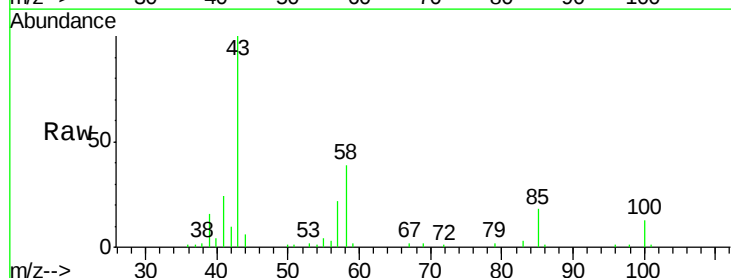
Tgt Ion: 43 Resp: 26693

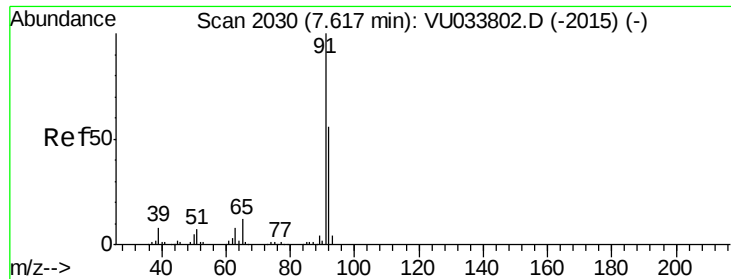
Ion Ratio Lower Upper

43 100

58 38.2 32.2 48.4

100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.255 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 20366

Ion Ratio Lower Upper

91 100

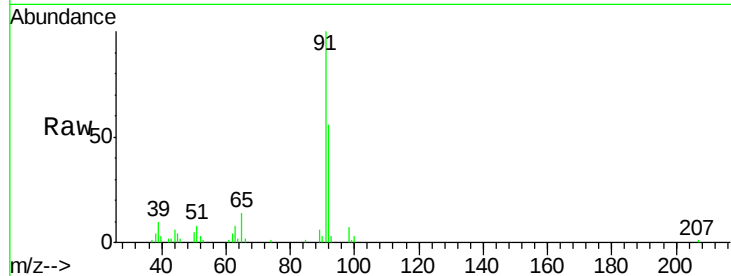
92 55.7 40.0 74.4

Manual Integrations

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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU033802.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU033802.D (-2015) (-)

12000

10000

8000

6000

4000

2000

0

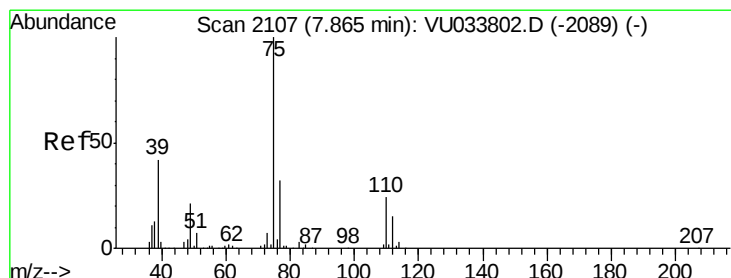
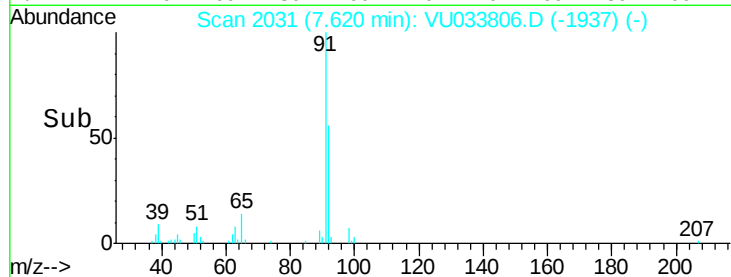
7.55

7.60

7.65

7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.252 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VU033806.D

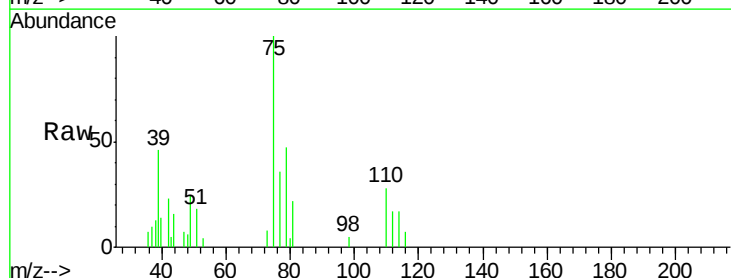
Acq: 15 Aug 2019 13:26

Tgt Ion: 75 Resp: 5843

Ion Ratio Lower Upper

75 100

77 36.5 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033802.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033802.D (-2089) (-)

3000

2500

2000

1500

1000

500

0

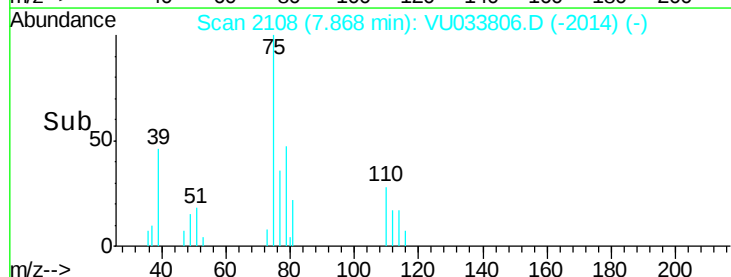
7.85

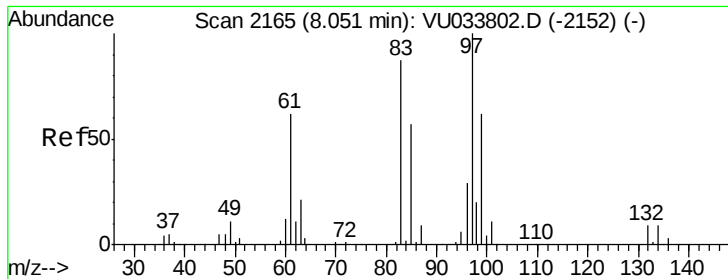
7.87

7.90

7.95

Time-->





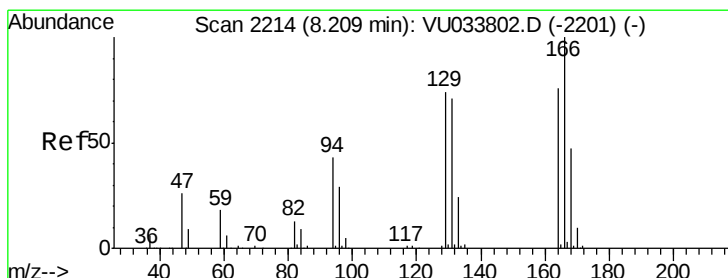
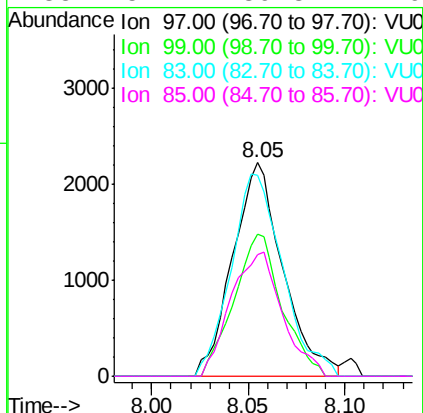
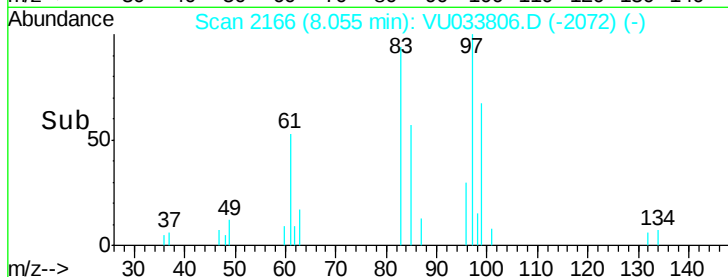
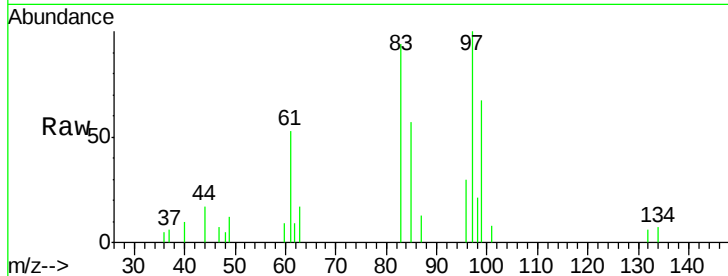
#45
1,1,2-Trichloroethane
Concen: 0.272 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion:	97	Resp:	3995
Ion	Ratio	Lower	Upper
97	100		
99	66.6	42.6	79.0
83	94.3	59.8	111.1
85	57.2	39.3	72.9

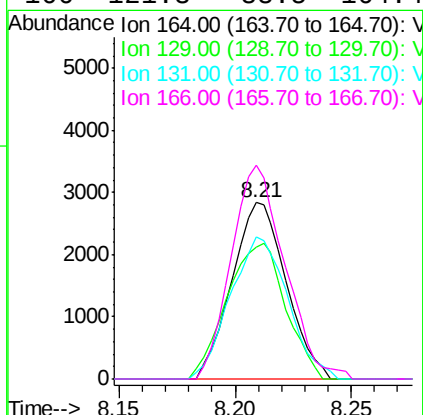
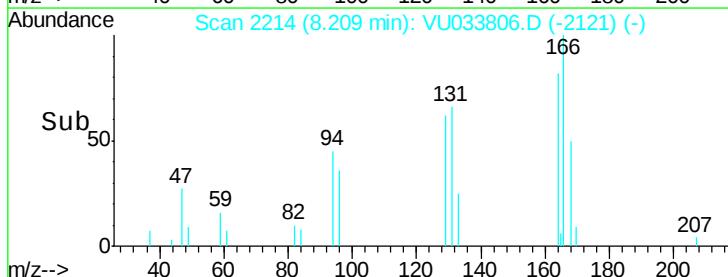
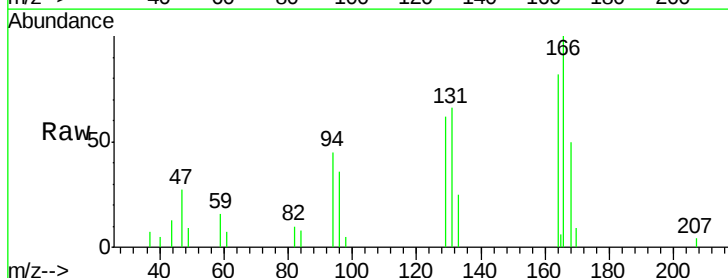
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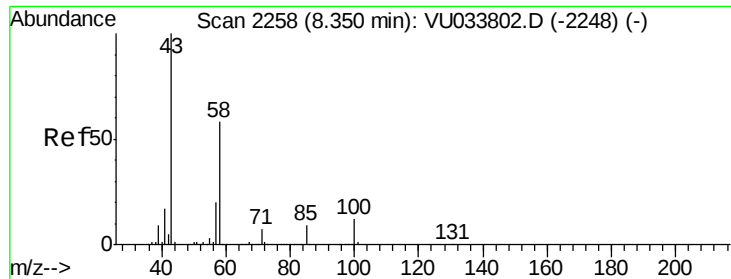
MMDadoda
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#47
Tetrachloroethene
Concen: 0.277 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion:	164	Resp:	4603
Ion	Ratio	Lower	Upper
164	100		
129	74.6	66.1	122.7
131	80.6	65.2	121.2
166	121.3	88.5	164.4





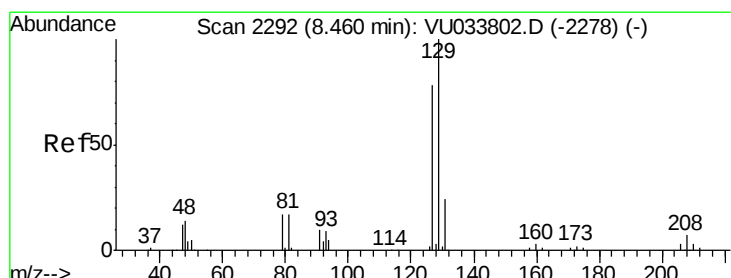
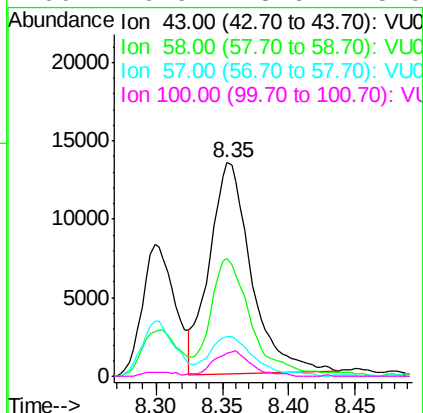
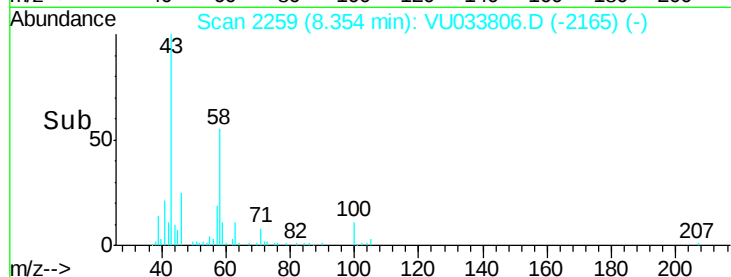
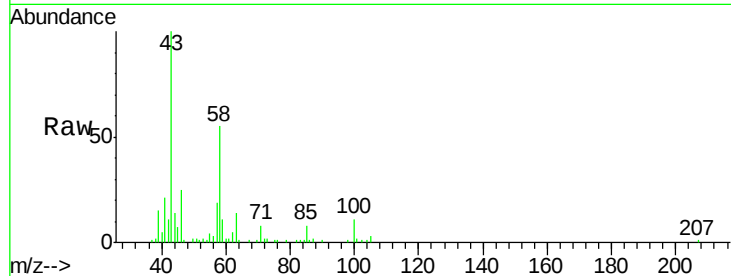
#48
2-Hexanone
Concen: 3.427 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion:	43	Resp:	29447
Ion	Ratio	Lower	Upper
43	100		
58	50.6	45.2	67.8
57	20.5	15.7	23.5
100	10.9	8.6	13.0

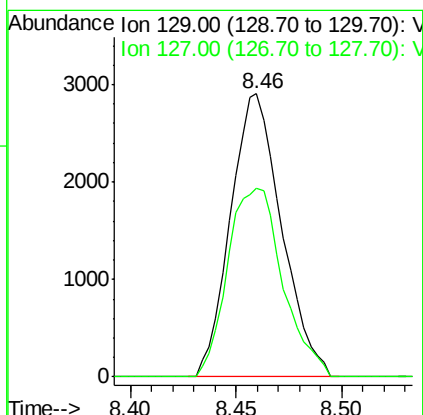
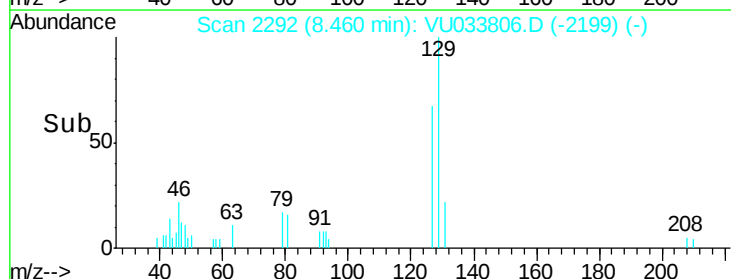
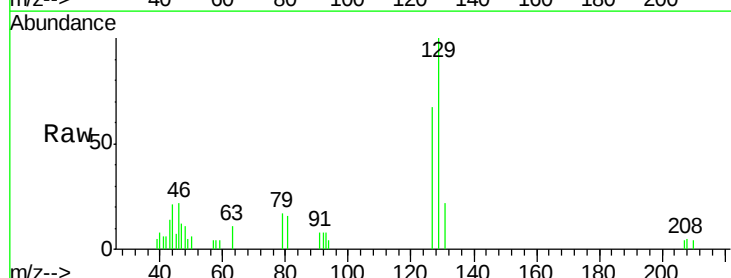
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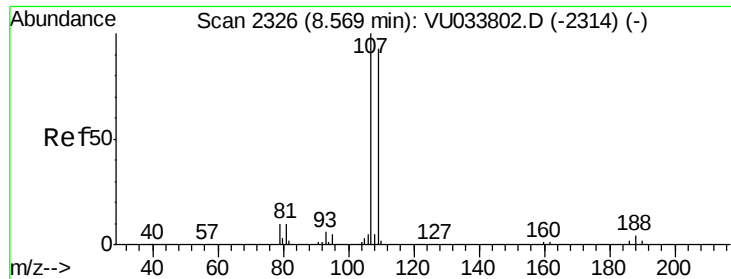
MMDadoda
8/16/2019 12:02:34 PM



#49
Dibromochloromethane
Concen: 0.274 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion:	129	Resp:	4885
Ion	Ratio	Lower	Upper
129	100		
127	66.8	54.2	100.6





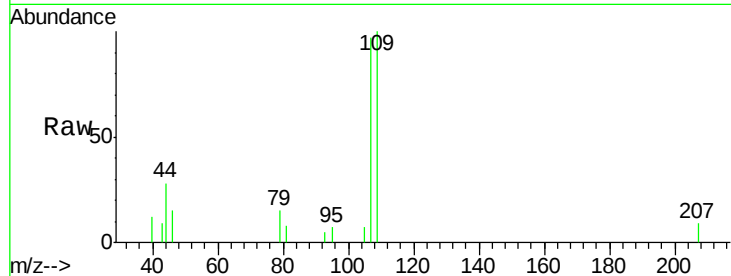
#50
 1,2-Dibromoethane
 Concen: 0.268 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

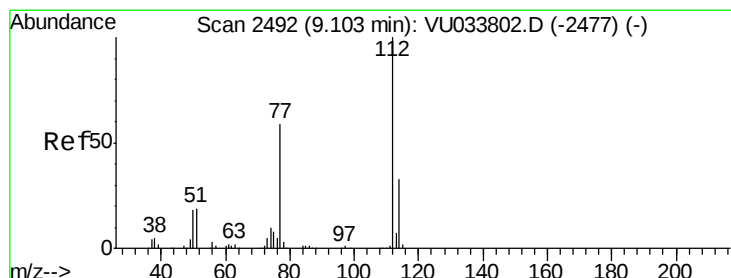
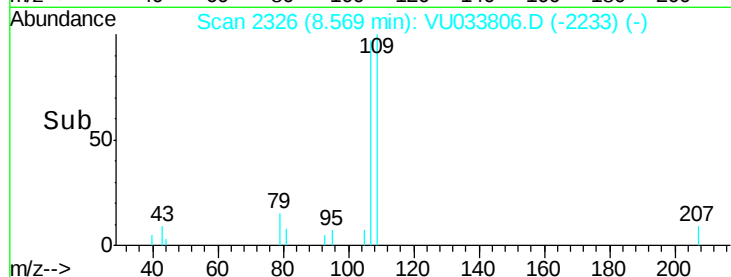
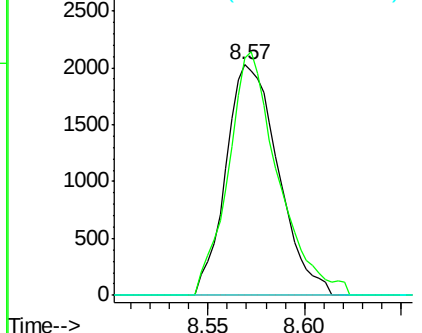
Tot Ion	Ratio	Resp	Lower	Upper
107	100	3813		
109	103.2	68.3	126.8	
188	0.0	3.0	4.6#	

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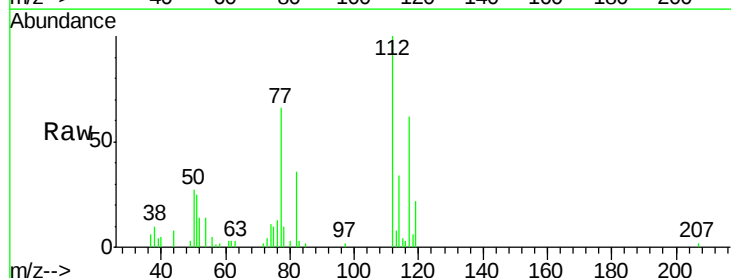


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

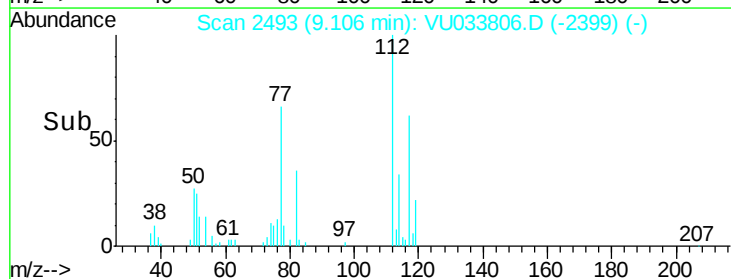
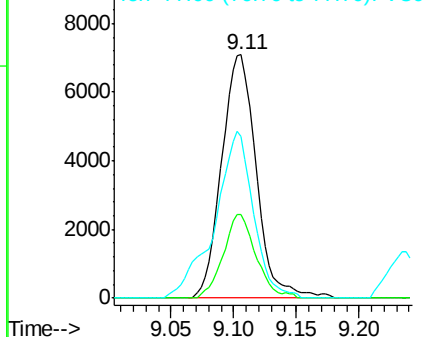


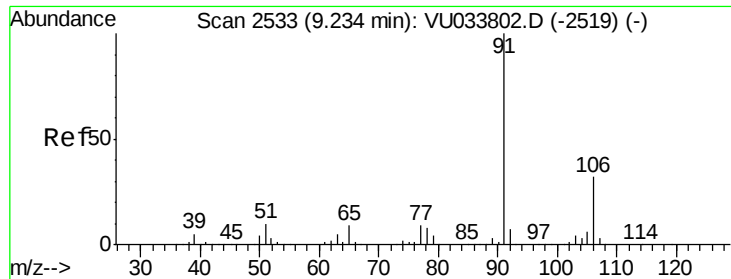
#51
 Chlorobenzene
 Concen: 0.264 ug/L
 RT: 9.11 min Scan# 2493
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	13613		
114	34.2	22.5	41.7	
77	66.5	45.3	67.9	



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 0.239 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Tot Ion: 91 Resp: 19803

Ion Ratio Lower Upper

91 100

106 28.5 21.6 40.0

Instrument :

MSVOA_U

ClientSampled :

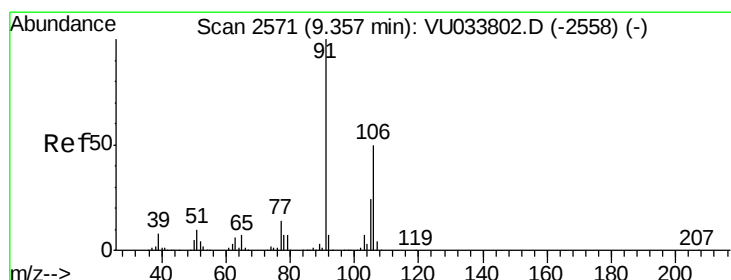
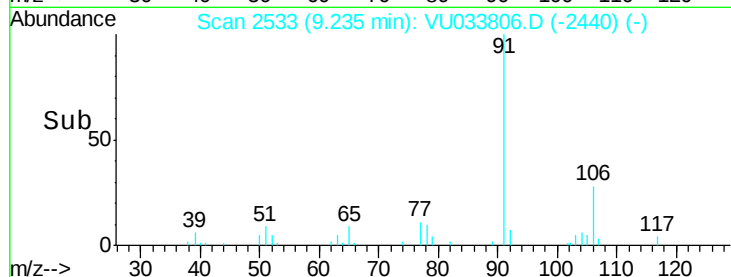
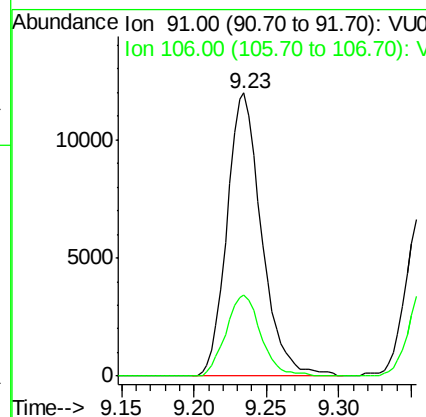
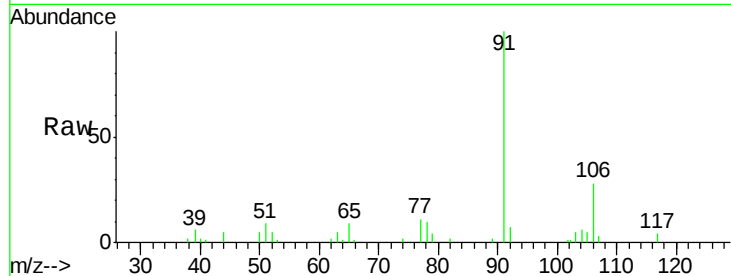
MDL05

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#53

m,p-Xylene

Concen: 0.213 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033806.D

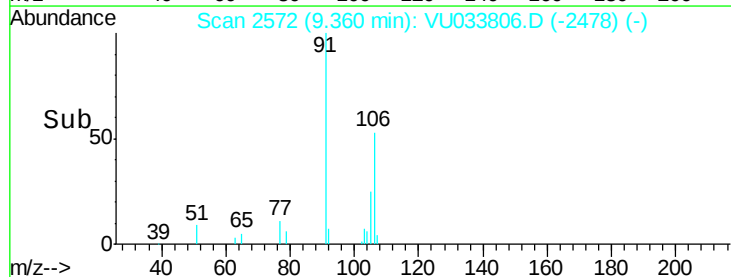
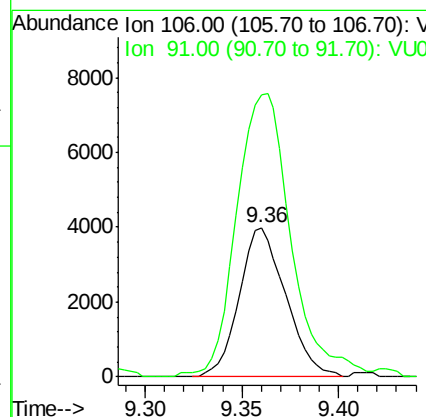
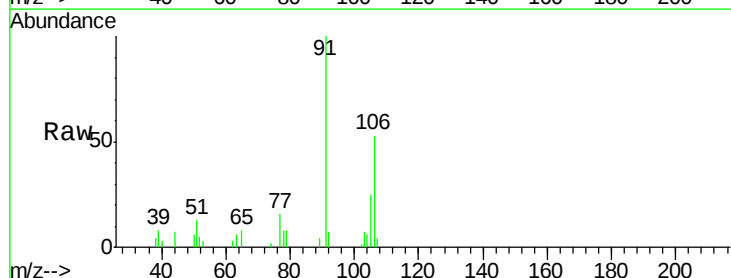
Acq: 15 Aug 2019 13:26

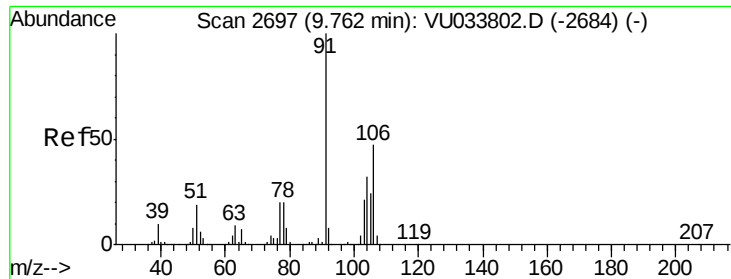
Tgt Ion: 106 Resp: 6653

Ion Ratio Lower Upper

106 100

91 189.5 142.7 265.1





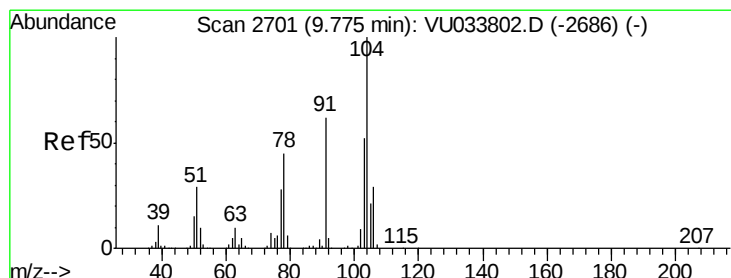
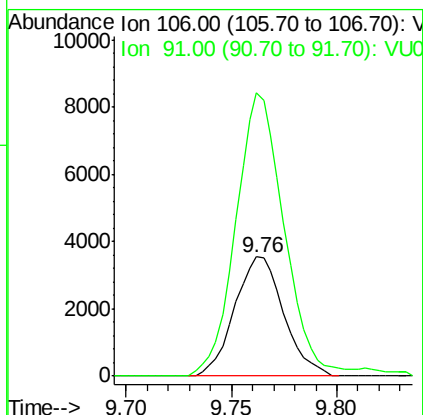
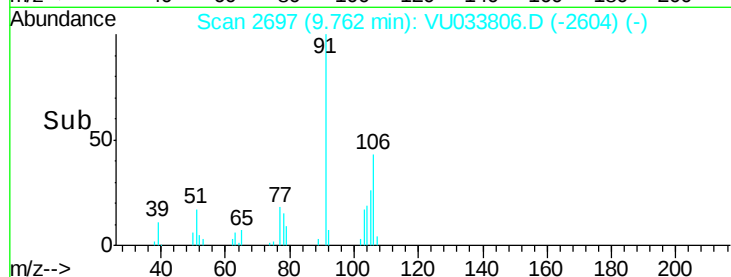
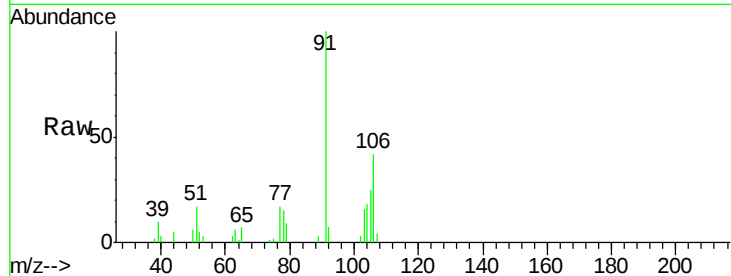
#54
o-Xylene
Concen: 0.194 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
106	100		
91	237.8	149.5	277.7

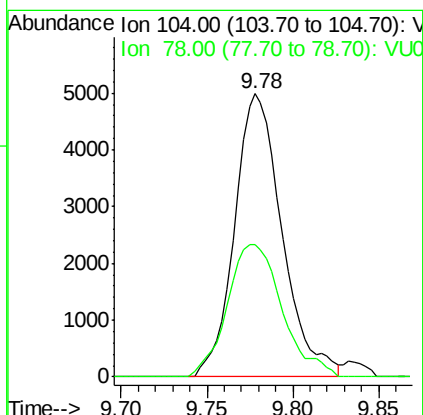
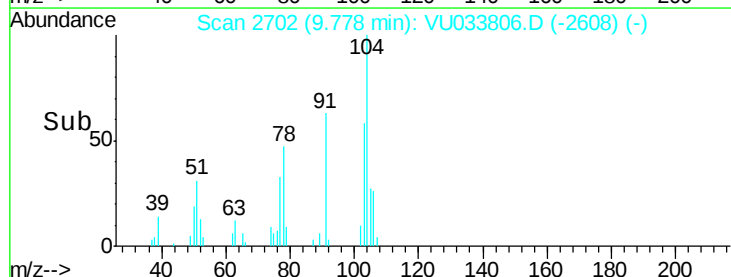
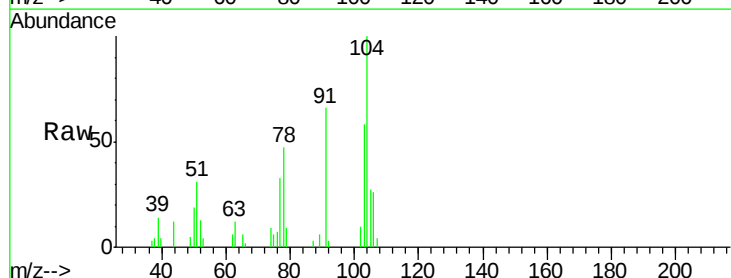
Manual Integrations
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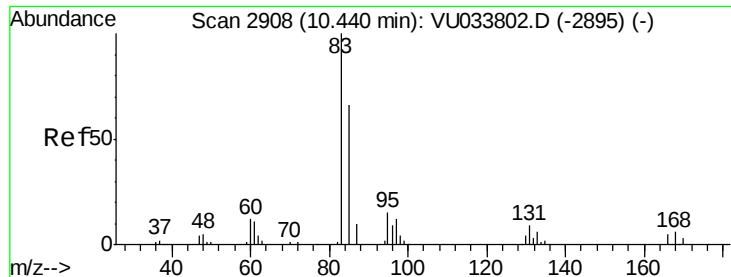
MMDadoda
8/16/2019 12:02:34 PM



#55
Styrene
Concen: 0.186 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	31.8	59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.292 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

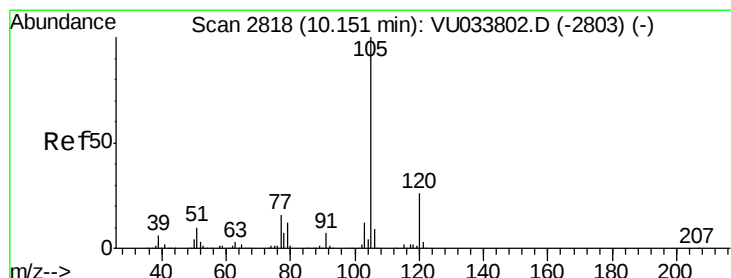
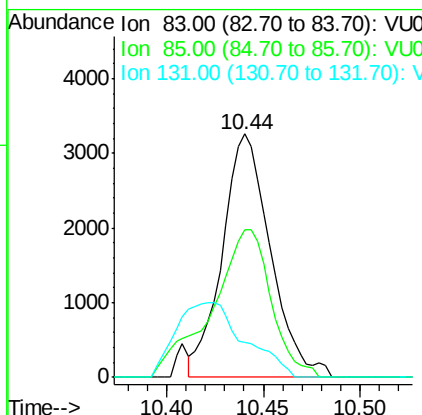
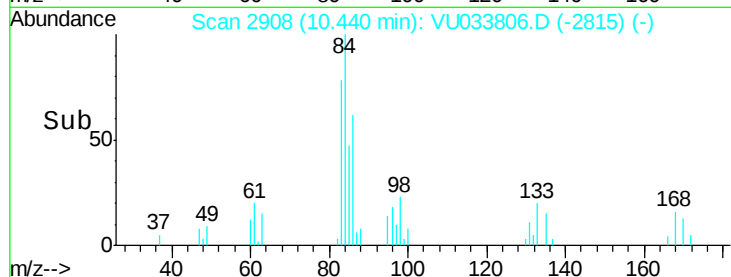
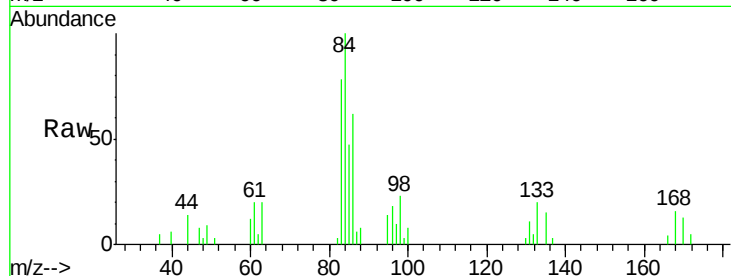
ClientSampleId :

MDL05

Tot Ion:	83	Resp:	5631
Ion	Ratio	Lower	Upper
83	100		
85	60.6	44.4	82.4
131	14.2	7.6	11.4#

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#59

Isopropylbenzene

Concen: 0.236 ug/L

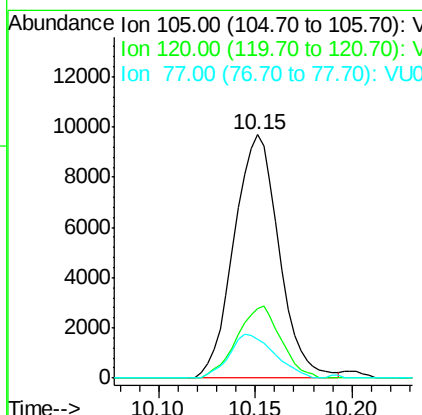
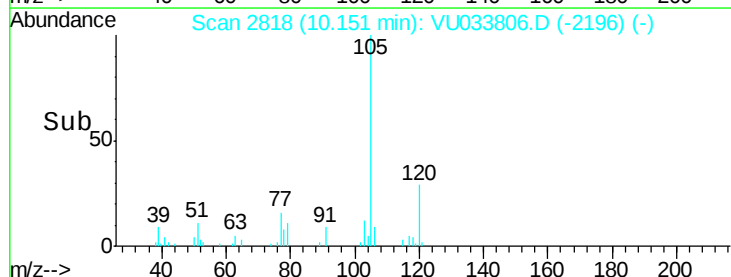
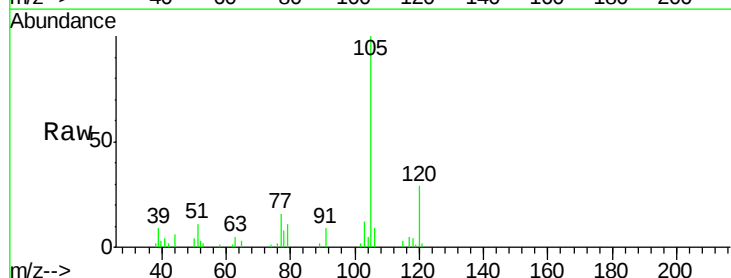
RT: 10.15 min Scan# 2818

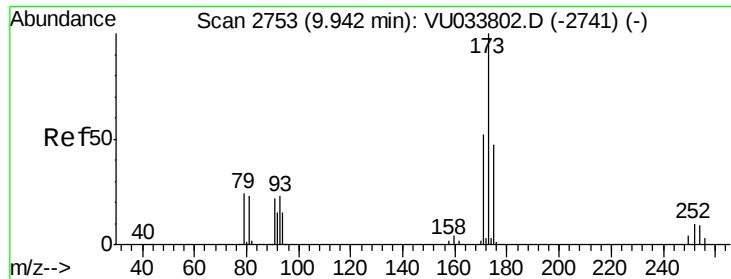
Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Tgt Ion:	105	Resp:	15708
Ion	Ratio	Lower	Upper
105	100		
120	28.6	21.5	32.3
77	18.1	12.8	19.2





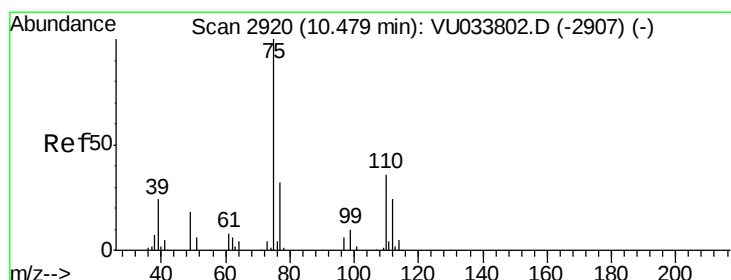
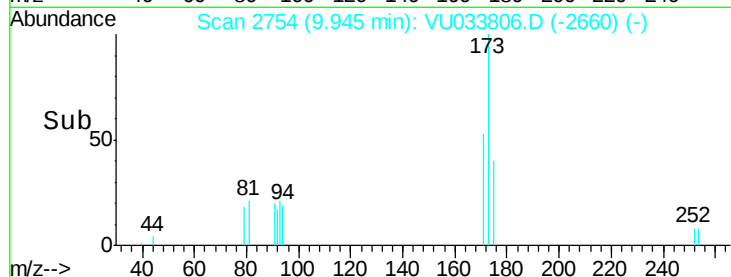
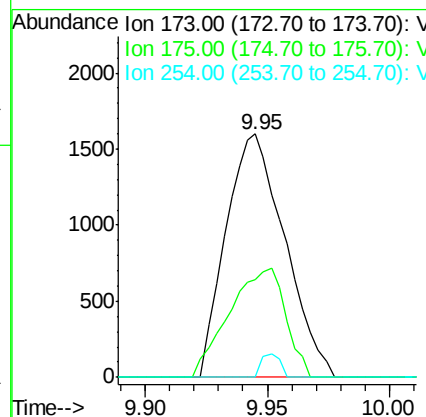
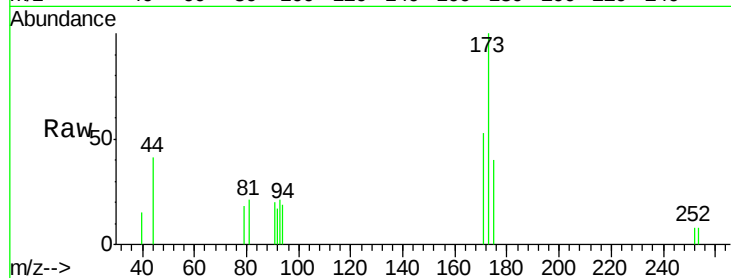
#60
Bromoform
Concen: 0.300 ug/L
RT: 9.95 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.8	36.6	55.0
254	3.0	7.0	10.4

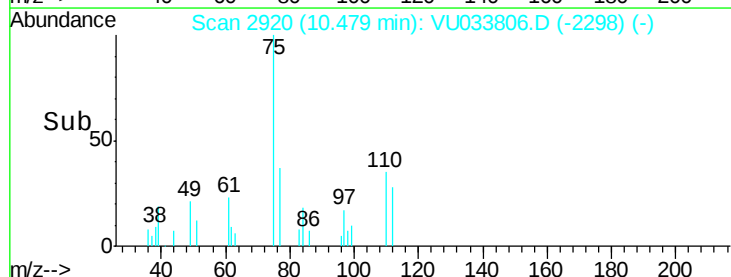
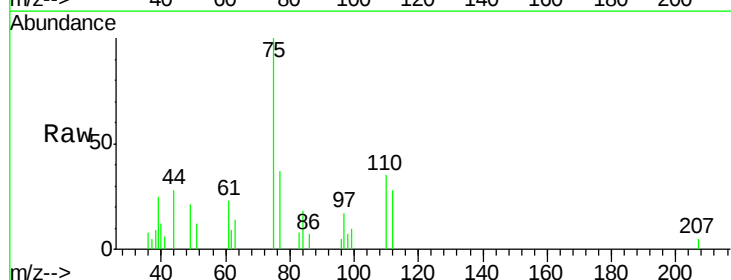
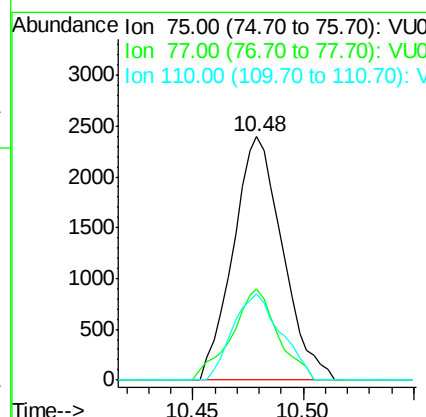
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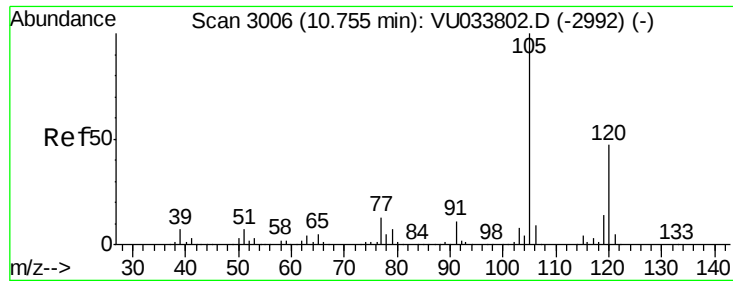
MMDadoda
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#61
1,2,3-Trichloropropane
Concen: 0.320 ug/L
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033806.D
Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.1	25.8	38.6
110	34.4	28.9	43.3





#62

1,3,5-Trimethylbenzene

Concen: 0.218 ug/L

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion:105 Resp: 11768

Ion Ratio Lower Upper

105 100

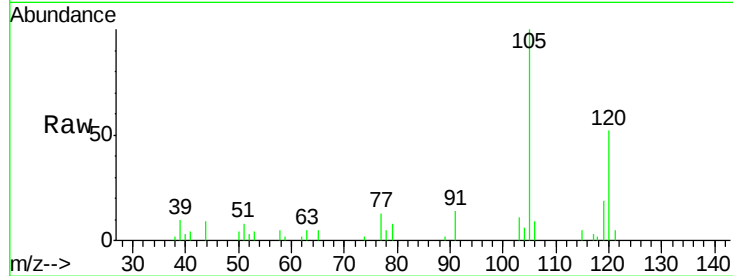
120 49.6 38.6 58.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.76

8000

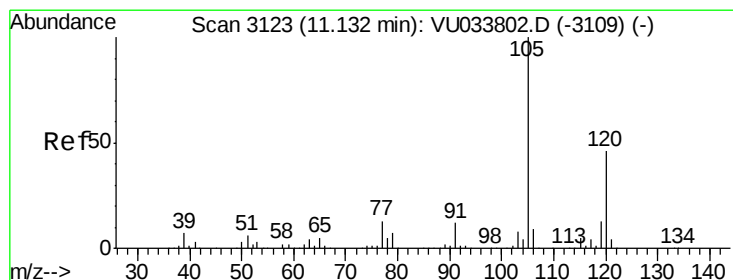
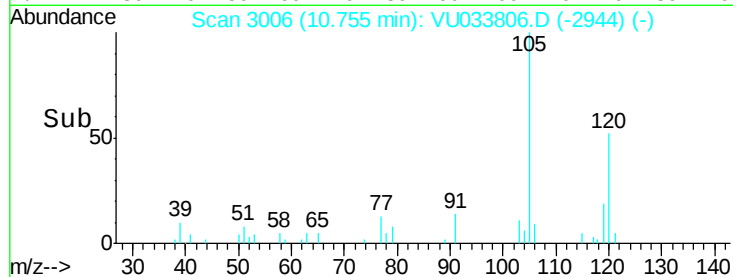
6000

4000

2000

0

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 0.218 ug/L

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU033806.D

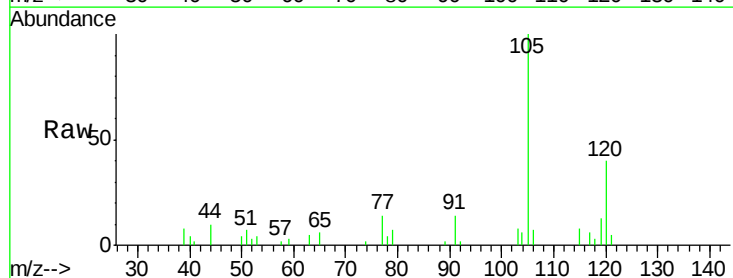
Acq: 15 Aug 2019 13:26

Tgt Ion:105 Resp: 11767

Ion Ratio Lower Upper

105 100

120 41.9 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.13

8000

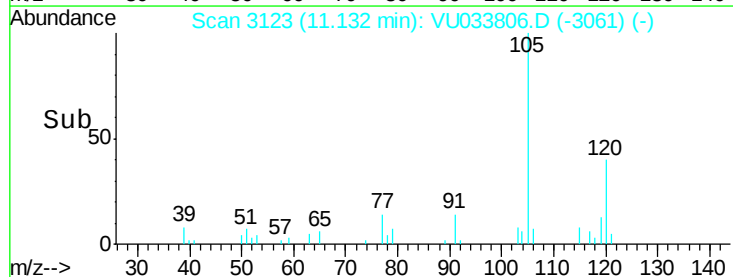
6000

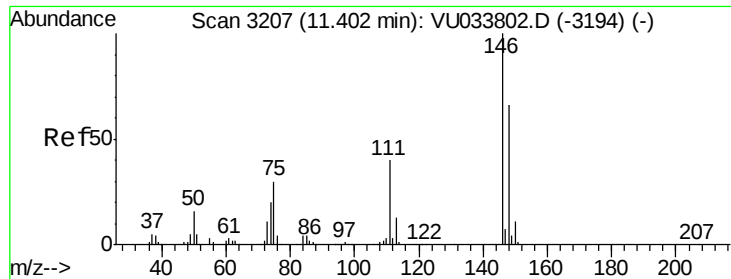
4000

2000

0

Time-->





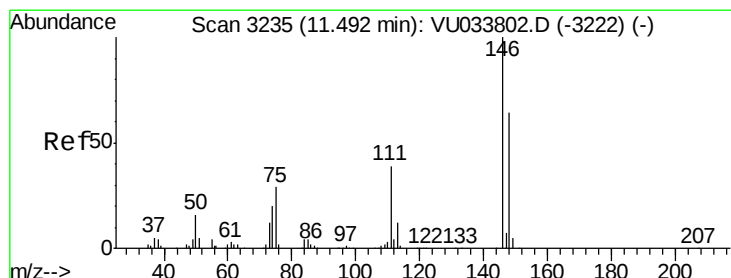
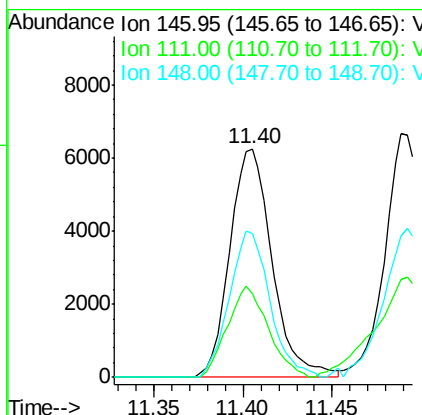
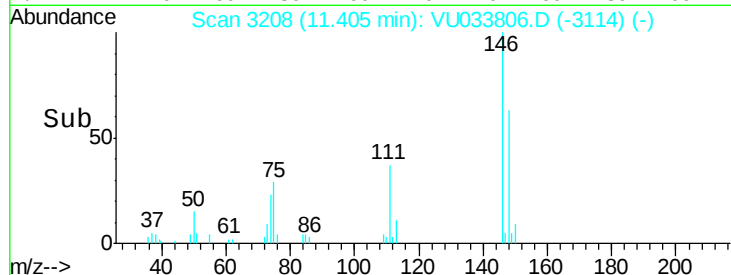
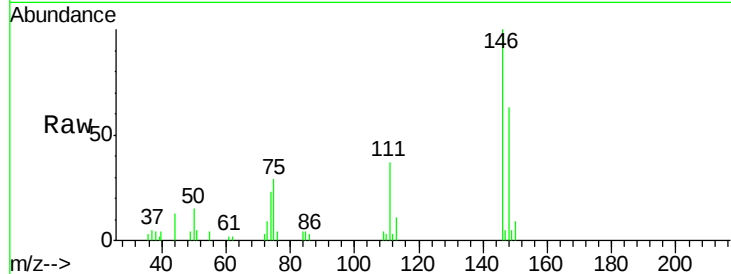
#64
 1,3-Dichlorobenzene
 Concen: 0.291 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	28.5	52.9
148	62.9	44.6	82.8

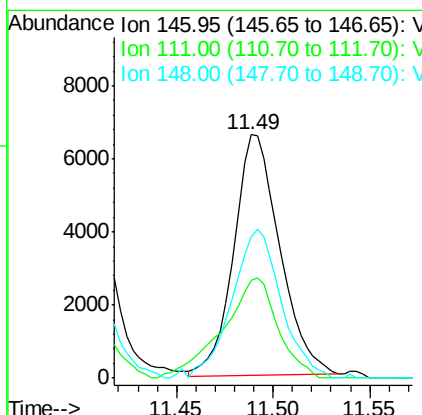
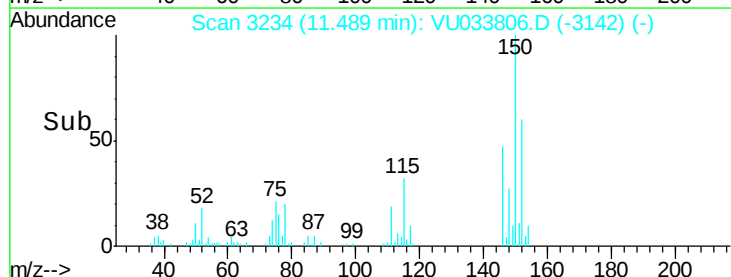
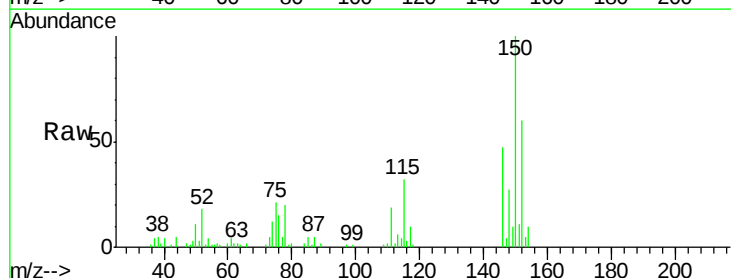
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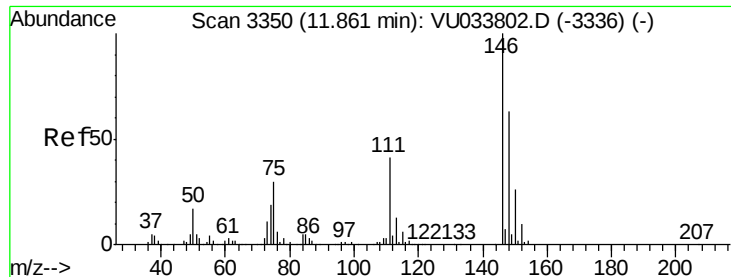
MMDadoda
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#65
 1,4-Dichlorobenzene
 Concen: 0.299 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	26.2	48.8
148	58.3	44.2	82.0





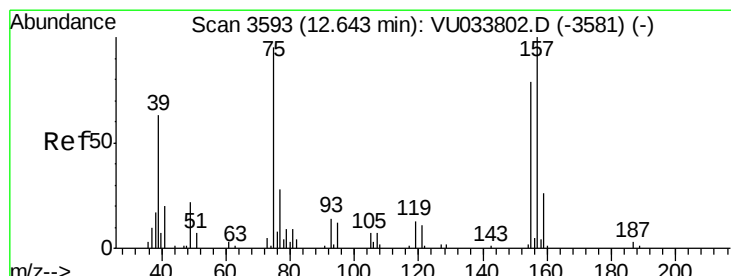
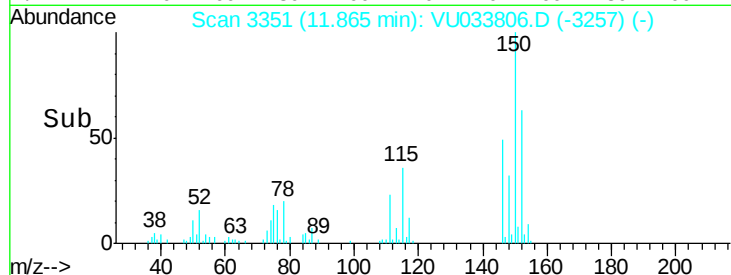
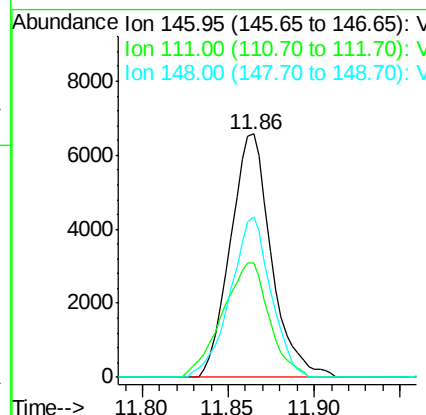
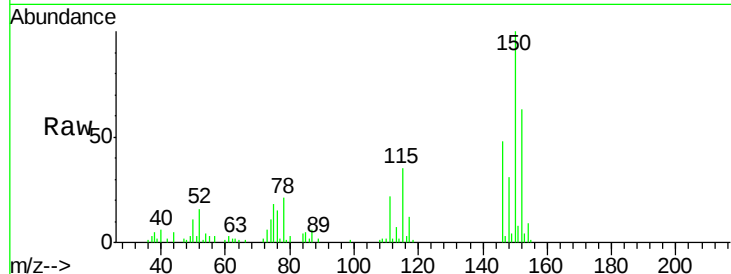
#67
 1,2-Dichlorobenzene
 Concen: 0.317 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	32.7	49.1
148	66.0	50.6	76.0

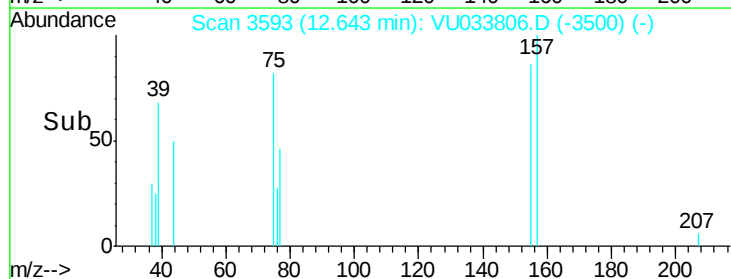
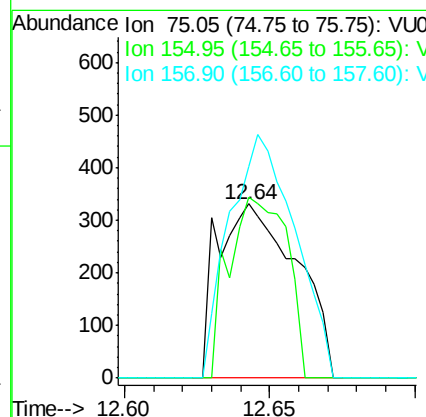
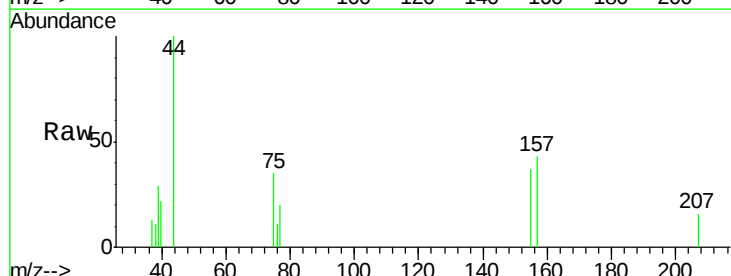
Manual Integrations
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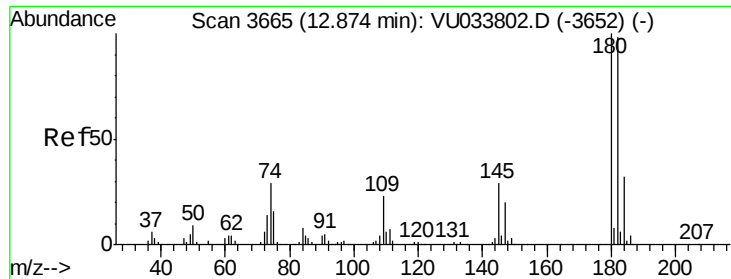
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.248 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	67.3	100.9#
157	121.5	85.3	127.9





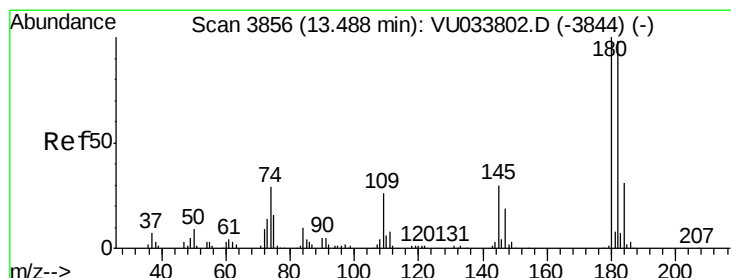
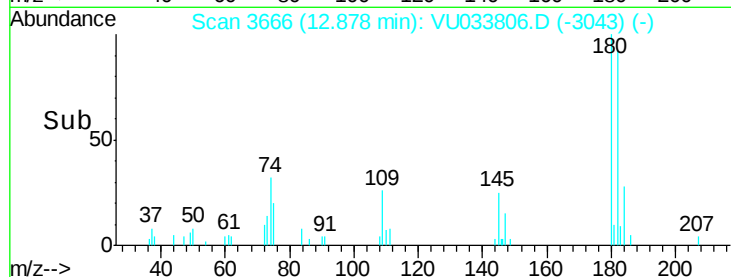
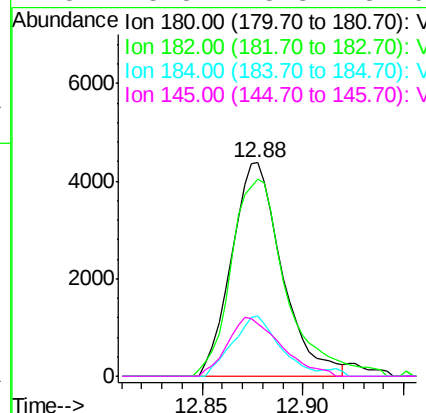
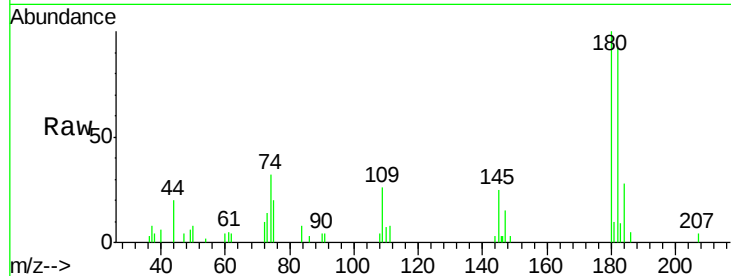
#69
 1,3,5-Trichlorobenzene
 Concen: 0.274 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	76.6	114.8
184	26.3	24.4	36.6
145	28.8	23.3	34.9

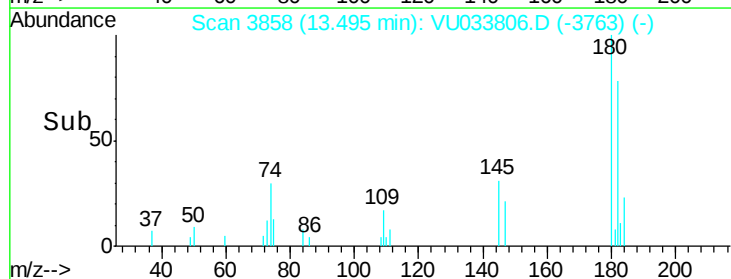
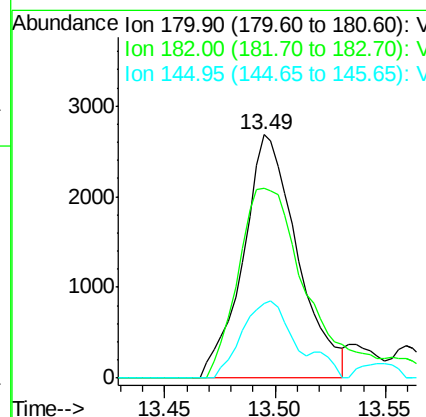
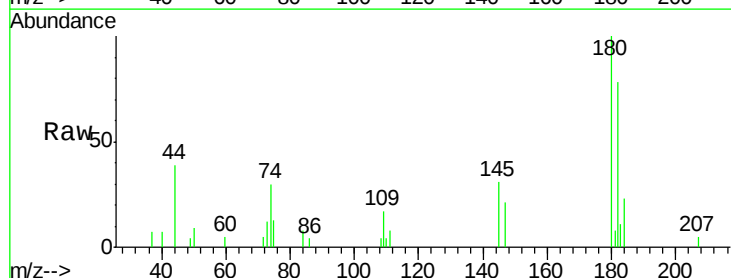
Manual Integrations
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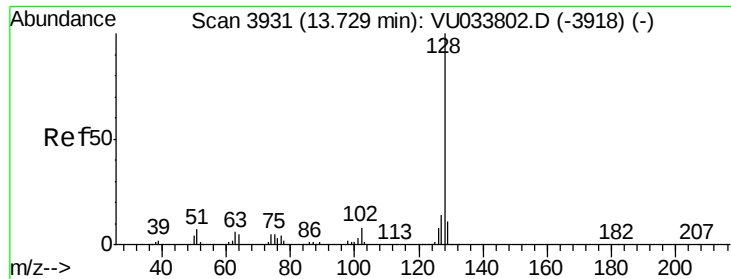
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#70
 1,2,4-trichlorobenzene
 Concen: 0.212 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033806.D
 Acq: 15 Aug 2019 13:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.7	77.4	116.2
145	28.1	23.5	35.3





#71

Naphthalene

Concen: 0.186 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Instrument :

MSVOA_U

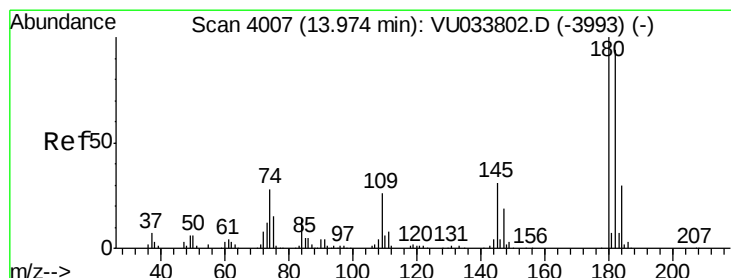
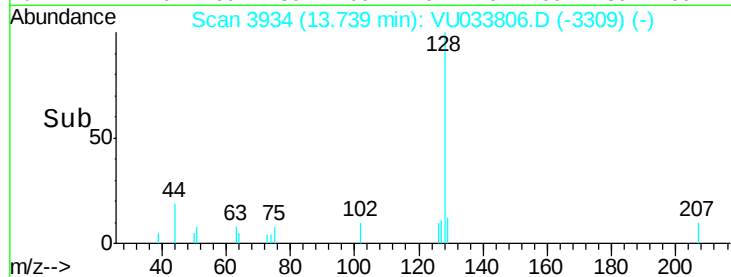
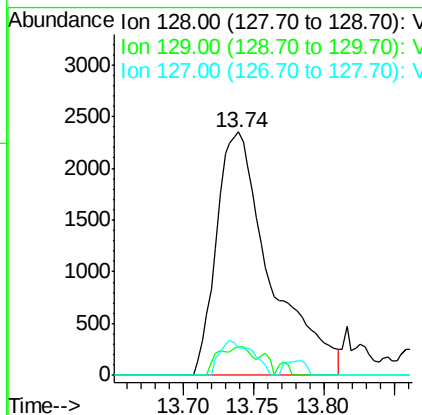
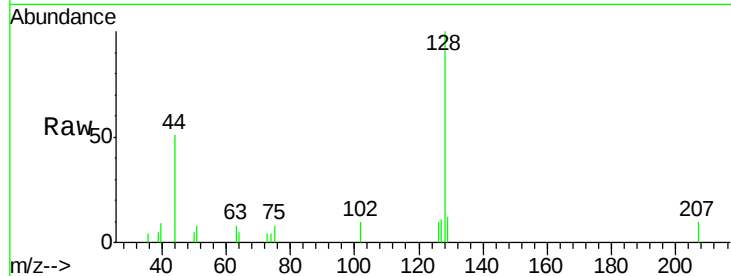
ClientSampleId :

MDL05

Tot Ion:	128	Resp:	6220
Ion	Ratio	Lower	Upper
128	100		
129	7.5	8.5	12.7#
127	8.6	11.2	16.8#

Manual Integrations
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#72

1,2,3-Trichlorobenzene

Concen: 0.225 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.01 min

Lab File: VU033806.D

Acq: 15 Aug 2019 13:26

Tgt Ion:	180	Resp:	4614
Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.7	113.5
145	24.4	24.3	36.5

