

Data File : VU035040.D
Acq On : 10 Oct 2019 11:54
Operator : JC/SP
Sample : MDL05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:32:28 AM

Quant Time: Oct 11 03:04:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	159795	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	164182	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	70204	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56641	6.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.00%
7) Chloroethane-d5	1.68	69	52455	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.00%
11) 1,1-Dichloroethene-d2	2.26	63	83520	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	4.19	46	167608	60.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.50%
24) Chloroform-d	4.62	84	96110	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
26) 1,2-Dichloroethane-d4	5.29	65	58039	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.32	84	205993	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.31	67	70955	5.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.20%
41) Toluene-d8	7.55	98	184735	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.84	79	21940	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.30	63	118988	54.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.02%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	59273	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	66079	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4903	0.336 ug/L	94
3) Chloromethane	1.32	50	6440	0.402 ug/L	99
5) Vinyl chloride	1.40	62	5772	0.367 ug/L	85
6) Bromomethane	1.62	94	3266	0.373 ug/L	91
8) Chloroethane	1.69	64	3445	0.365 ug/L	96
9) Trichlorofluoromethane	1.88	101	7112	0.374 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4523	0.414 ug/L #	86
12) 1,1-Dichloroethene	2.27	96	4201	0.409 ug/L #	1
13) Acetone	2.34	43	9920	4.354 ug/L	95
14) Carbon disulfide	2.47	76	11451	0.335 ug/L #	95
15) Methyl Acetate	2.62	43	2236	0.369 ug/L #	77
16) Methylene chloride	2.69	84	6374	0.502 ug/L	82
17) Methyl tert-butyl Ether	2.99	73	10681	0.381 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	3900	0.355 ug/L	92
19) 1,1-Dichloroethane	3.42	63	8262	0.378 ug/L	99
21) 2-Butanone	4.28	43	12256m	3.778 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	4408	0.360 ug/L	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	1804	0.351	ug/L	79
25) Chloroform	4.65	83	18425	0.751	ug/L	95
27) 1,2-Dichloroethane	5.39	62	5312	0.371	ug/L #	95
29) 1,1,1-Trichloroethane	4.89	97	5893	0.320	ug/L	94
30) Cyclohexane	4.96	56	6448	0.318	ug/L	97
31) Carbon tetrachloride	5.11	117	5433	0.340	ug/L	93
33) Benzene	5.37	78	16834	0.340	ug/L	100
34) Trichloroethene	6.17	95	4390	0.344	ug/L	92
35) Methylcyclohexane	6.39	83	6577	0.318	ug/L	97
37) 1,2-Dichloropropane	6.41	63	3834	0.287	ug/L #	90
38) Bromodichloromethane	6.74	83	4861	0.311	ug/L	80
39) cis-1,3-Dichloropropene	7.25	75	5714m	0.316	ug/L	
40) 4-Methyl-2-pentanone	7.45	43	26565	3.164	ug/L	97
42) Toluene	7.62	91	16806	0.326	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	4201m	0.300	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	3114	0.352	ug/L	93
47) Tetrachloroethene	8.21	164	3382	0.328	ug/L	95
48) 2-Hexanone	8.36	43	24774	4.303	ug/L #	89
49) Dibromochloromethane	8.46	129	3270	0.319	ug/L	100
50) 1,2-Dibromoethane	8.57	107	2604	0.308	ug/L #	99
51) Chlorobenzene	9.10	112	11387	0.340	ug/L	98
52) Ethylbenzene	9.23	91	17633	0.309	ug/L	94
53) m,p-Xylene	9.36	106	6425	0.305	ug/L	97
54) o-Xylene	9.76	106	6072	0.295	ug/L	100
55) Styrene	9.78	104	9173	0.275	ug/L	90
56) Isopropylbenzene	10.15	105	16873	0.307	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.44	83	4032	0.335	ug/L #	84
59) 1,2,3-Trichloropropane	10.48	75	3042	0.352	ug/L	100
61) Bromoform	9.94	173	1588	0.330	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	7380	0.341	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	8275	0.379	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	8082	0.387	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.64	75	421m	0.317	ug/L	
67) 1,3,5-Trichlorobenzene	12.87	180	4365	0.298	ug/L #	88
68) 1,2,4-trichlorobenzene	13.50	180	1793m	0.164	ug/L	
69) Naphthalene	13.76	128	2704m	0.159	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	2544m	0.239	ug/L	

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

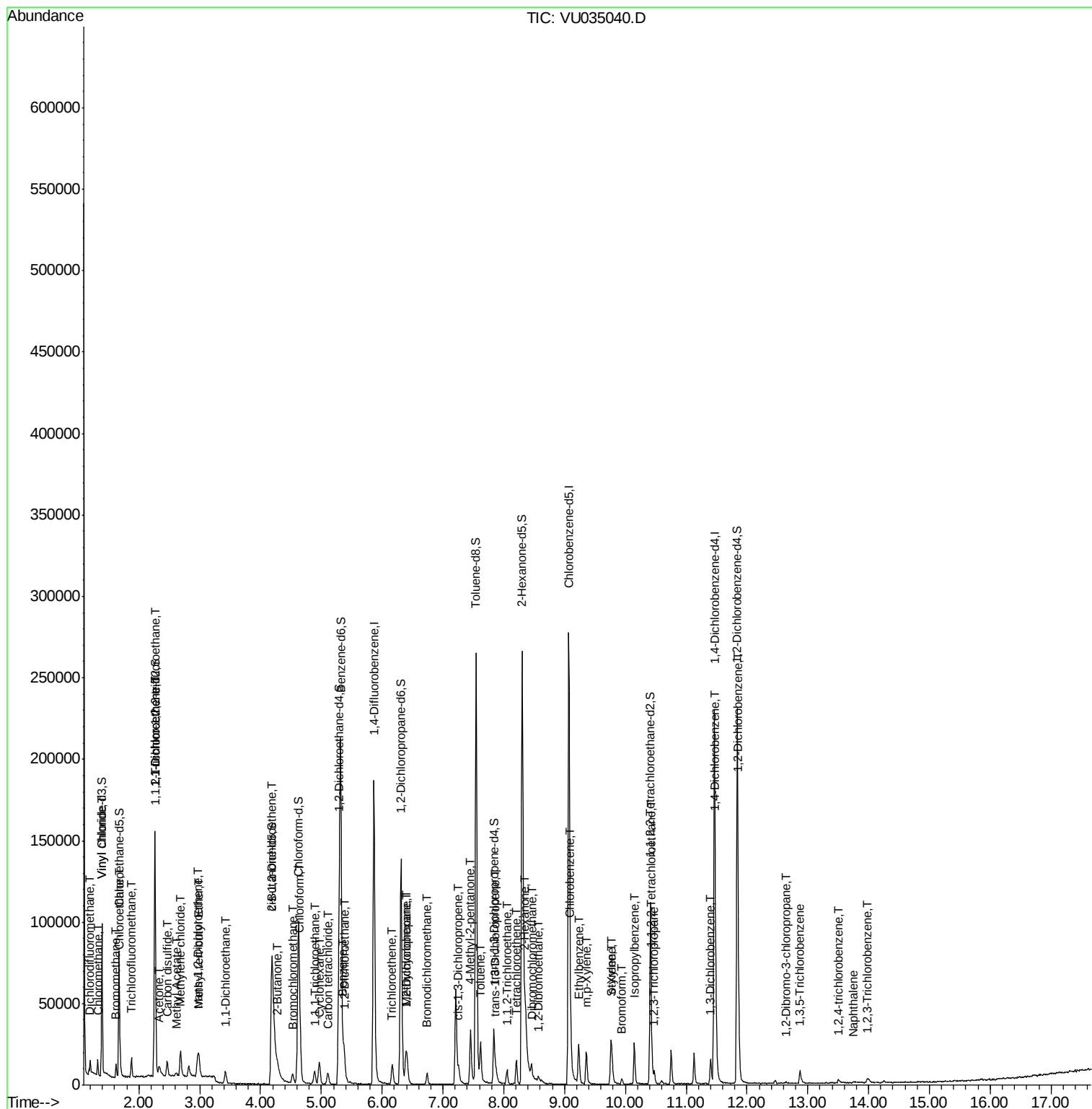
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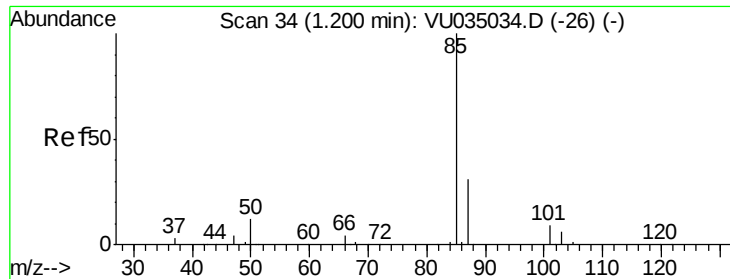
Instrument :
MSVOA_U
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#2

Dichlorodifluoromethane

Concen: 0.336 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 85 Resp: 4903

Ion Ratio Lower Upper

85 100

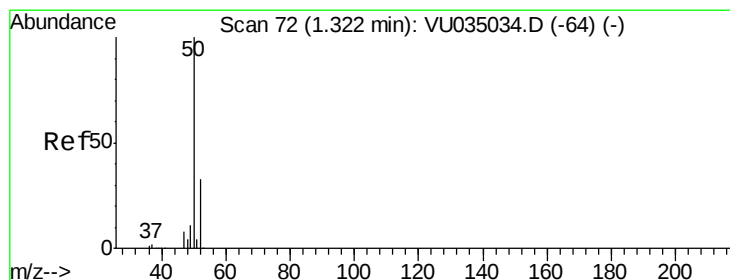
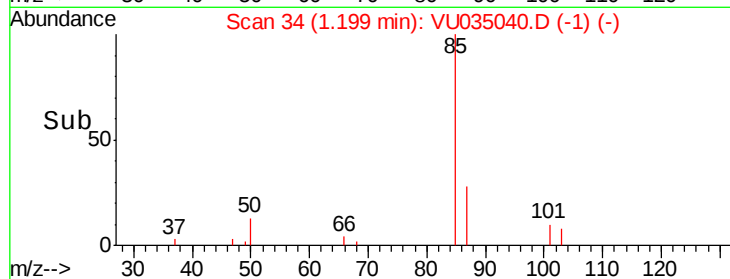
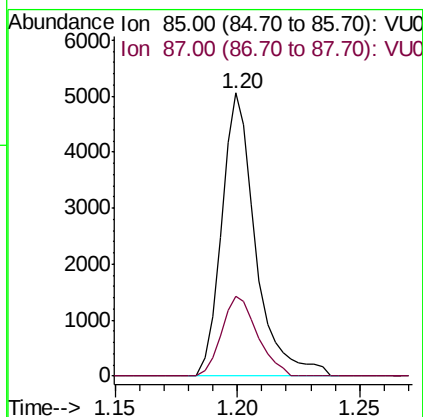
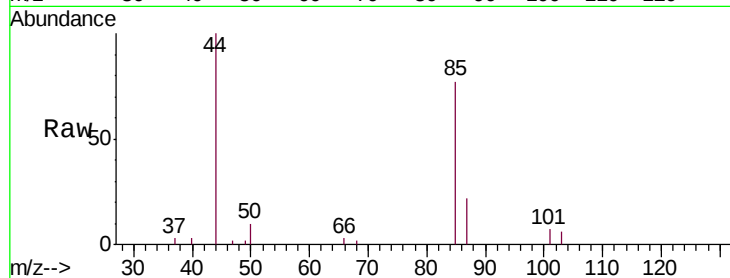
87 29.7 26.3 39.5

Manual Integrations

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MMDadoda

10/11/2019 8:32:28 AM



#3

Chloromethane

Concen: 0.402 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035040.D

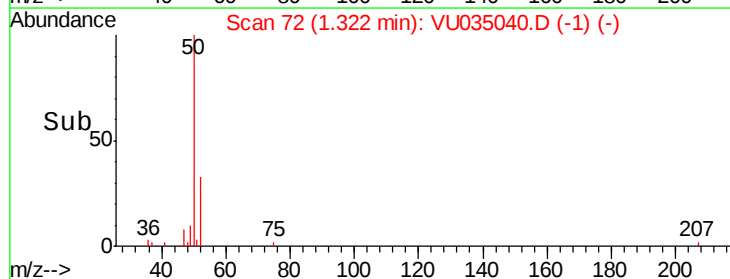
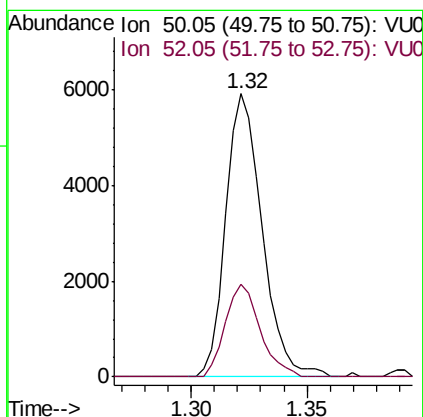
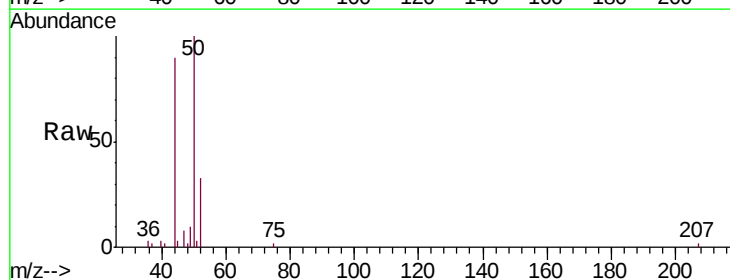
Acq: 10 Oct 2019 11:54

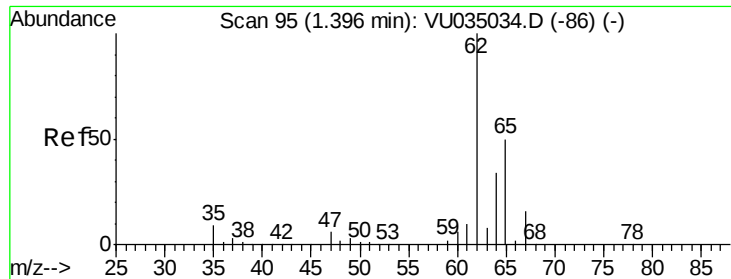
Tgt Ion: 50 Resp: 6440

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3





#5

Vinyl chloride

Concen: 0.367 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 62 Resp: 5772

Ion Ratio Lower Upper

62 100

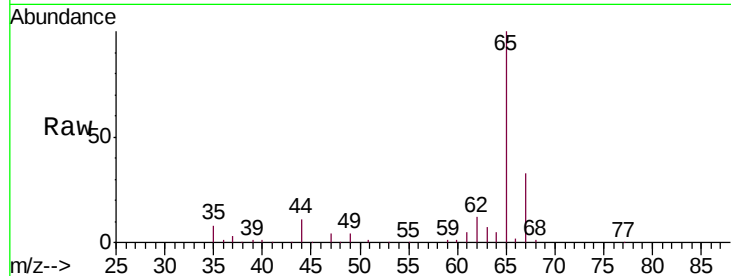
64 40.8 22.8 42.4

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU035040.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU035040.D (-86) (-)

6000

5000

4000

3000

2000

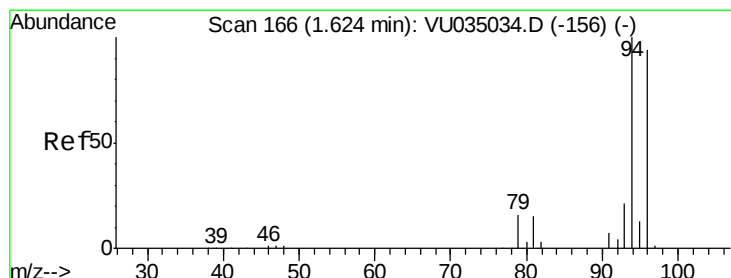
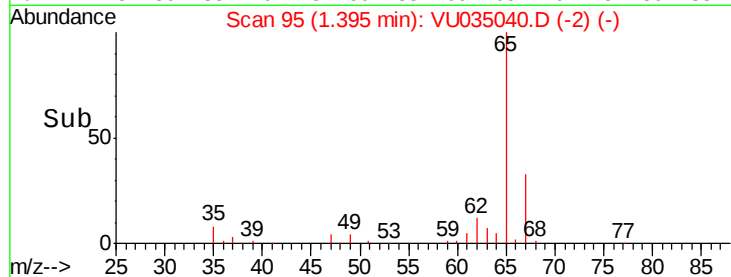
1000

0

1.35

1.40

Time-->



#6

Bromomethane

Concen: 0.373 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035040.D

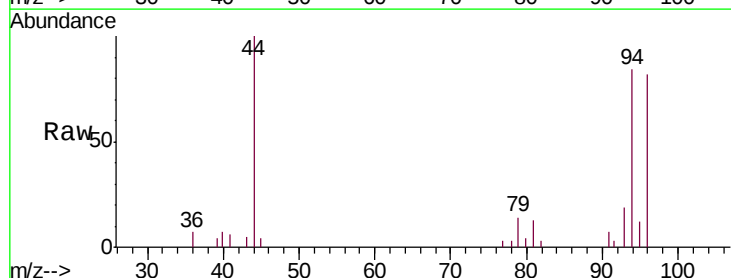
Acq: 10 Oct 2019 11:54

Tgt Ion: 94 Resp: 3266

Ion Ratio Lower Upper

94 100

96 97.9 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035040.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035040.D (-156) (-)

3000

2000

1000

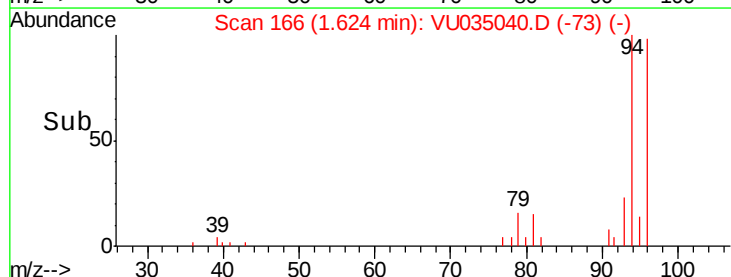
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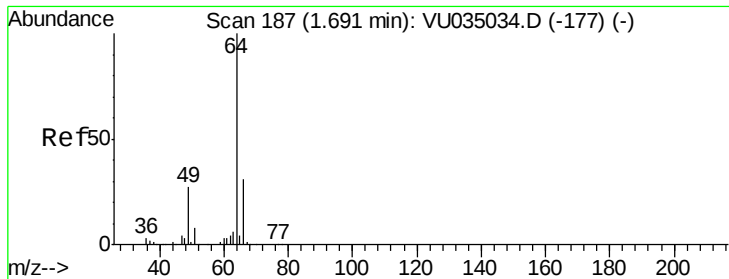
1.60

1.62

1.65

Time-->





#8

Chloroethane

Concen: 0.365 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 64 Resp: 3445

Ion Ratio Lower Upper

64 100

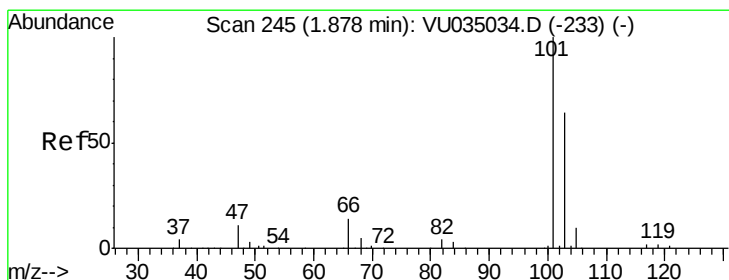
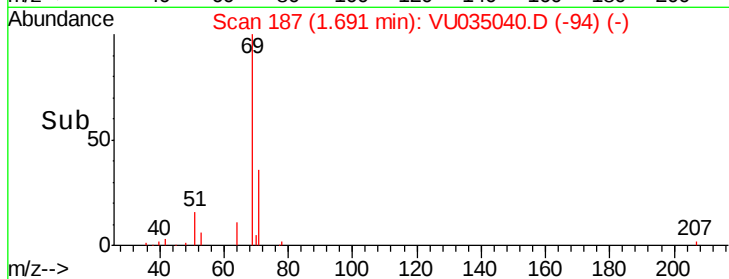
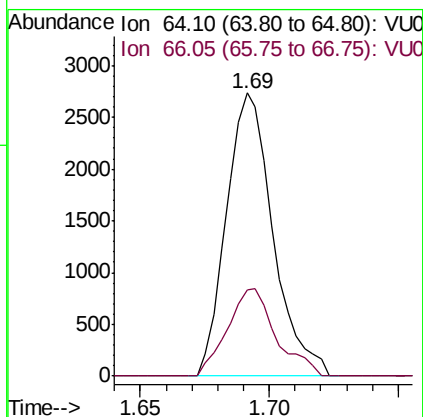
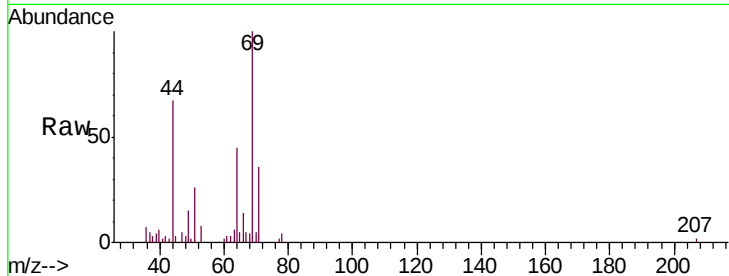
66 30.7 23.2 43.2

Manual Integrations

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MMDadoda

10/11/2019 8:32:28 AM



#9

Trichlorofluoromethane

Concen: 0.374 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035040.D

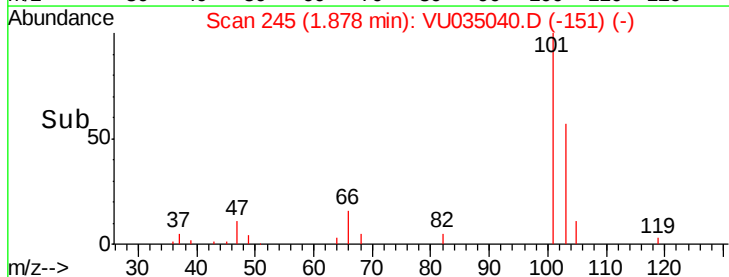
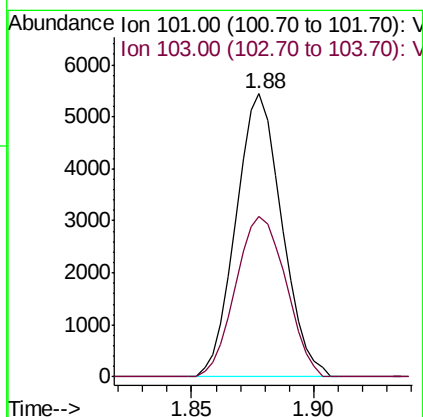
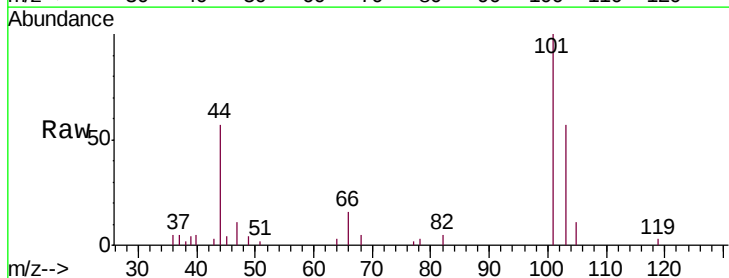
Acq: 10 Oct 2019 11:54

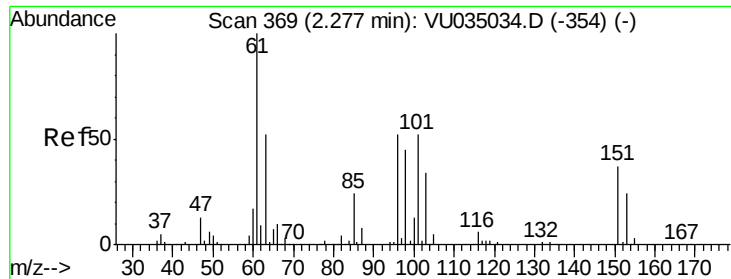
Tgt Ion: 101 Resp: 7112

Ion Ratio Lower Upper

101 100

103 61.8 52.2 78.4





#10

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

Concen: 0.414 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

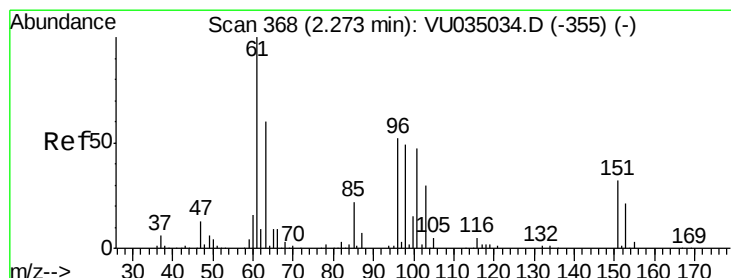
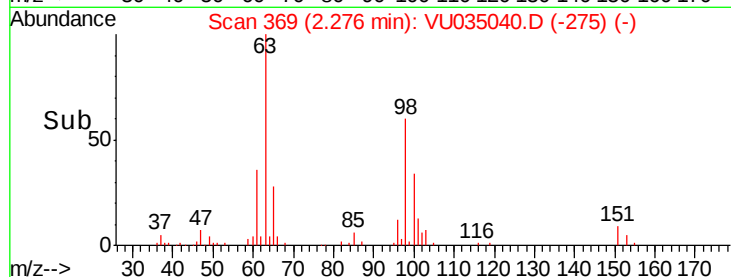
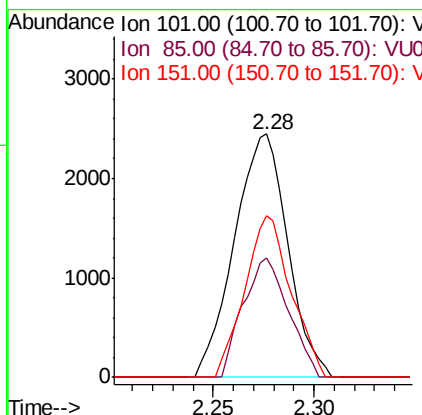
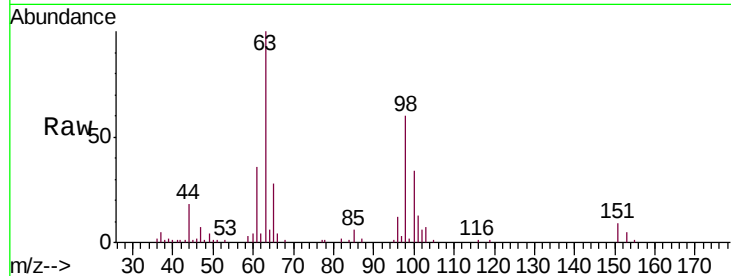
ClientSampled :

MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	4523		
85	41.9	37.4	56.0	
151	57.5	58.6	87.8#	

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#12

1,1-Dichloroethene

Concen: 0.409 ug/L

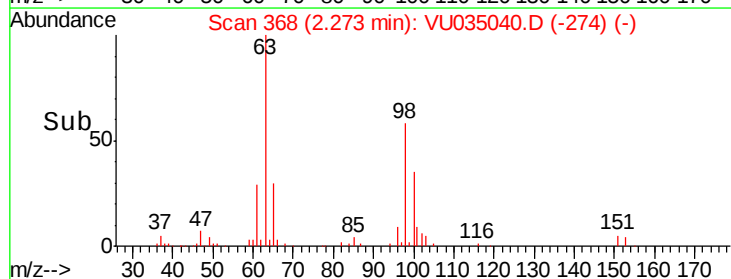
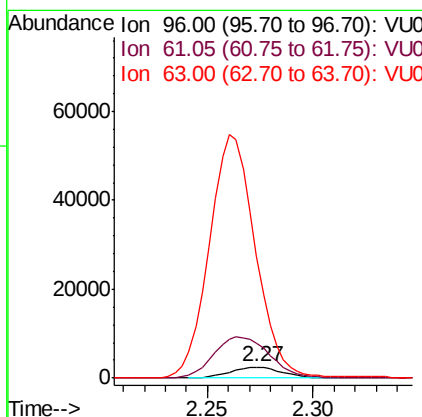
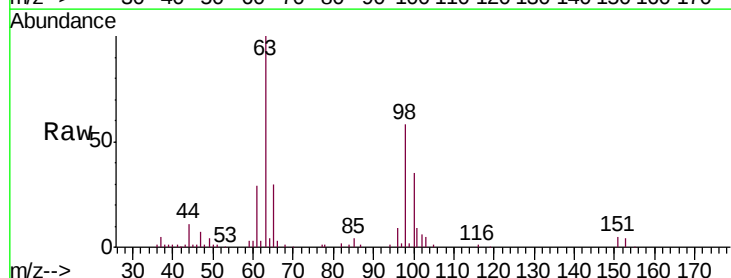
RT: 2.27 min Scan# 368

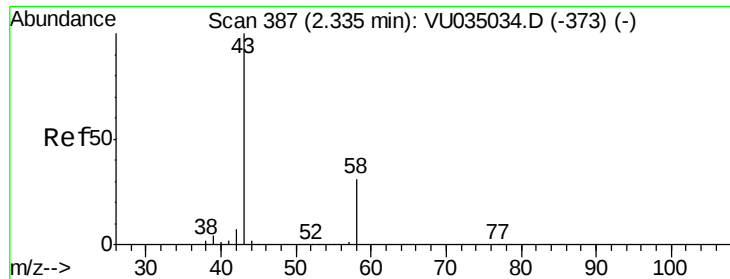
Delta R.T. 0.00 min

Lab File: VU035040.D

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Tgt Ion	Ratio	Resp	Lower	Upper
96	100	4201		
61	320.5	129.3	240.1#	
63	1100.0	108.9	202.3#	





#13

Acetone

Concen: 4.354 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 9920

Ion Ratio Lower Upper

43 100

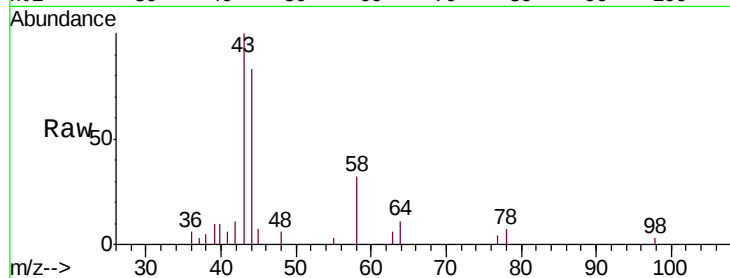
58 30.3 0.0 66.6

Manual Integrations

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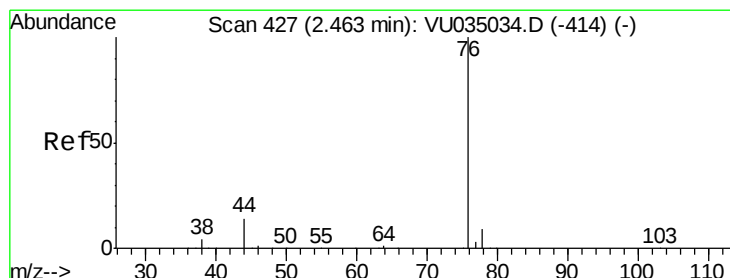
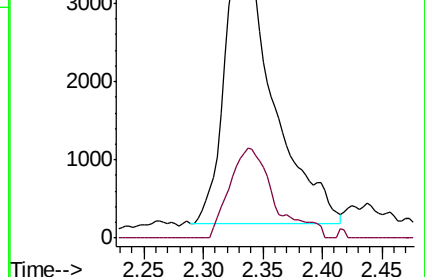
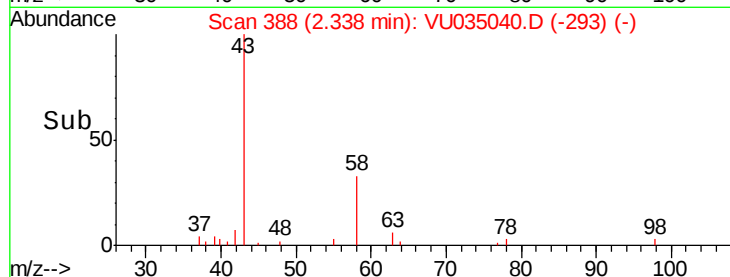


Abundance Ion 43.05 (42.75 to 43.75): VU035034.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU035034.D (-373) (-)

2.34

Time-->



#14

Carbon disulfide

Concen: 0.335 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035040.D

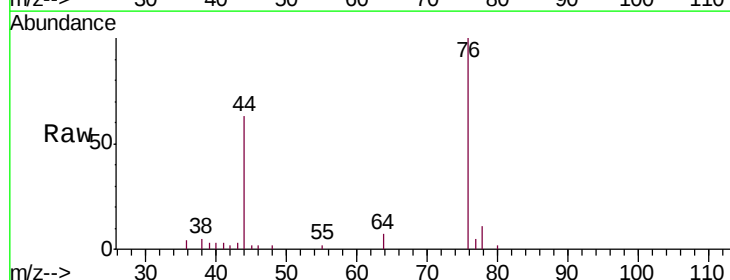
Acq: 10 Oct 2019 11:54

Tgt Ion: 76 Resp: 11451

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#

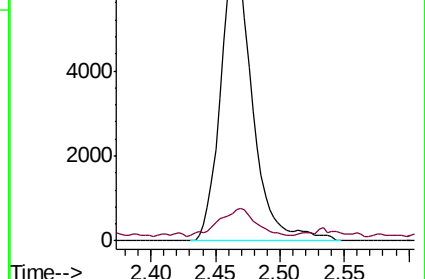
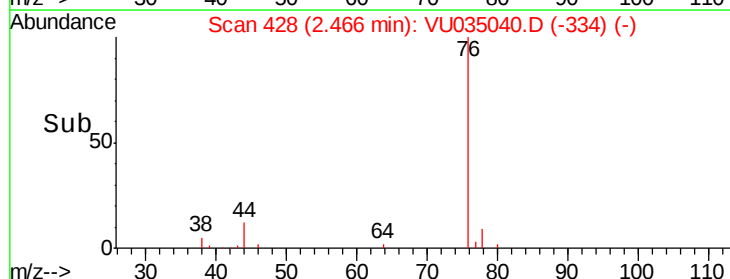


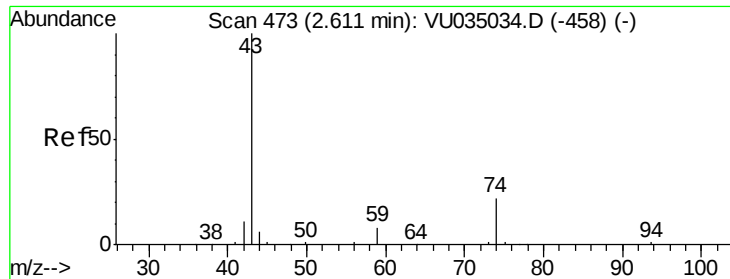
Abundance Ion 76.05 (75.75 to 76.75): VU035034.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU035034.D (-414) (-)

2.47

Time-->





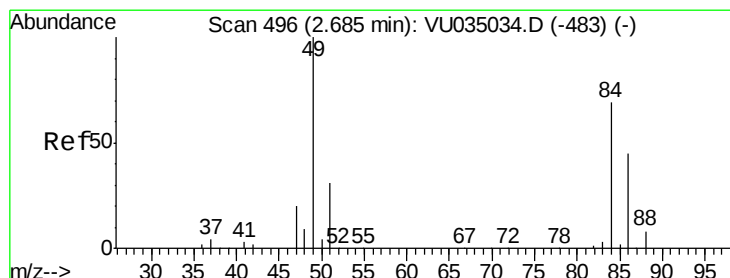
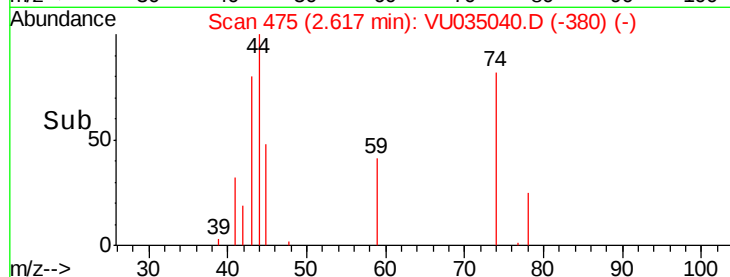
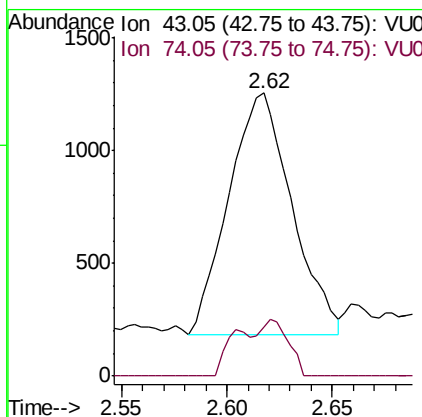
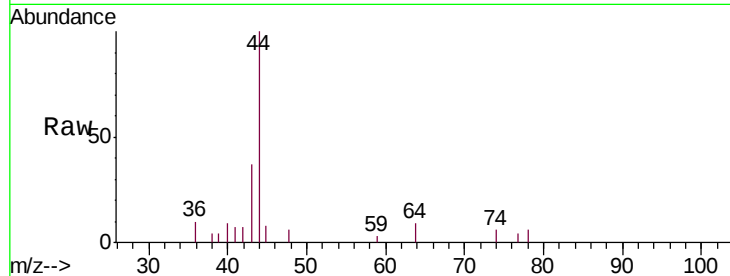
#15
Methyl Acetate
Concen: 0.369 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion: 43 Resp: 2236
Ion Ratio Lower Upper
43 100
74 11.3 17.8 26.8#

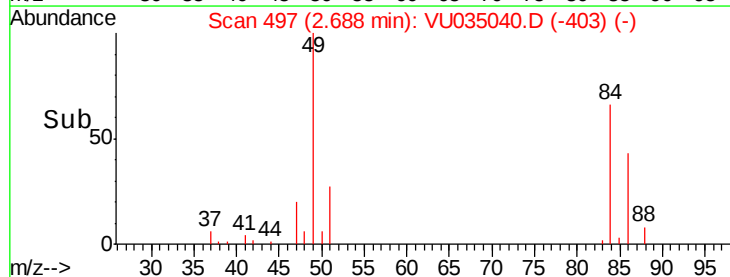
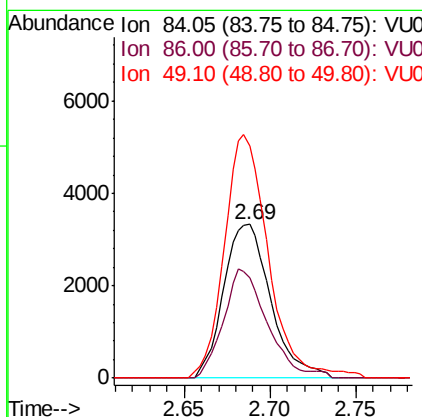
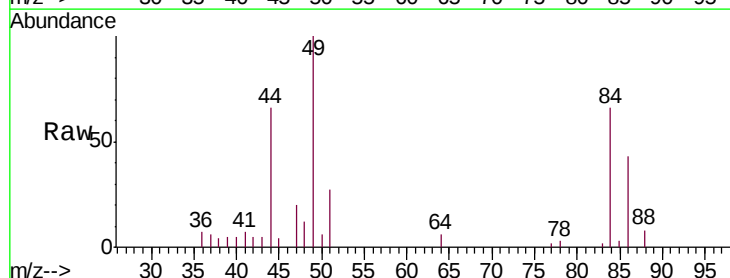
Manual Integrations
APPROVED

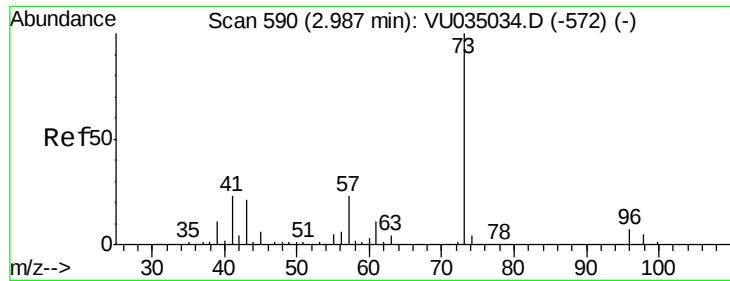
MMDadoda
10/11/2019 8:32:28 AM



#16
Methylene chloride
Concen: 0.502 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 84 Resp: 6374
Ion Ratio Lower Upper
84 100
86 65.3 42.5 78.9
49 150.9 86.9 161.3





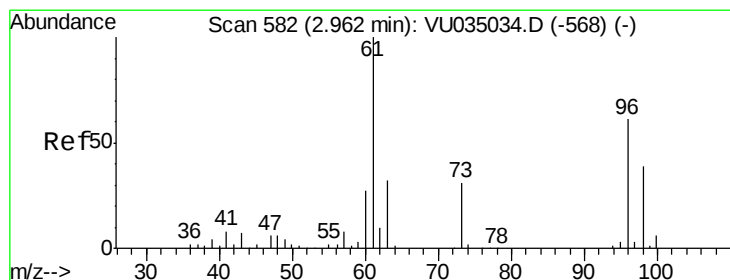
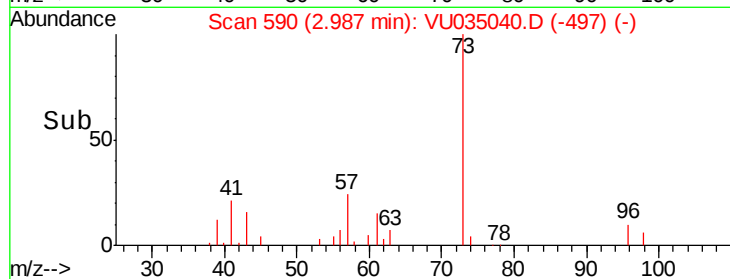
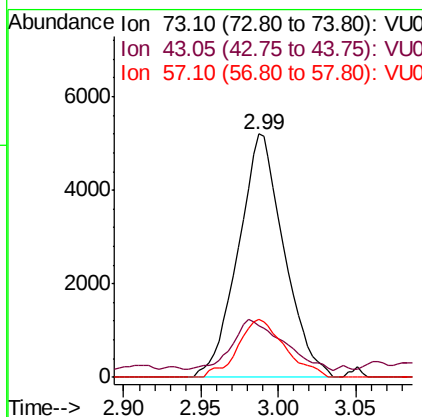
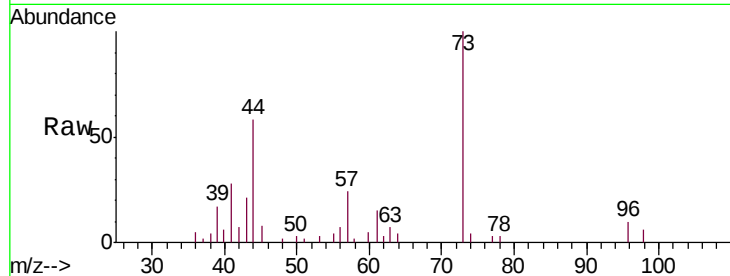
#17
Methyl tert-butyl Ether
Concen: 0.381 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:	73	Resp:	10681
Ion	Ratio	Lower	Upper
73	100		
43	22.9	16.3	24.5
57	24.6	18.6	28.0

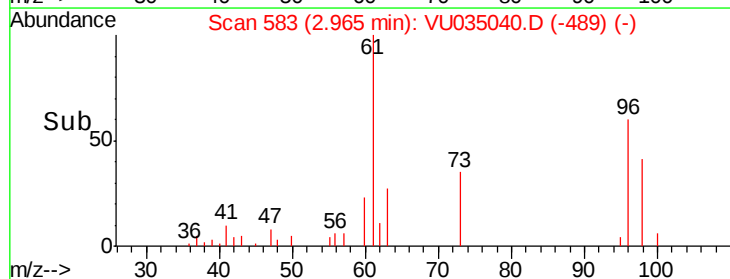
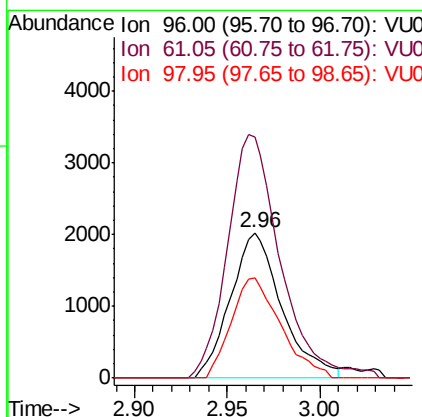
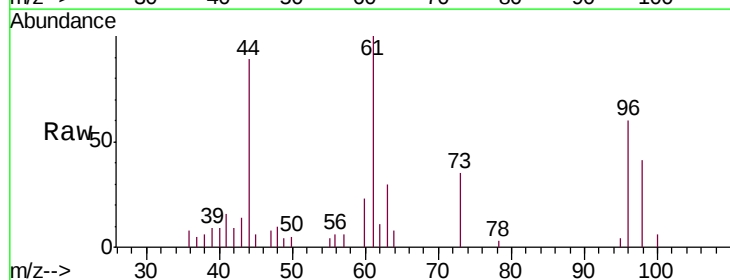
Manual Integrations
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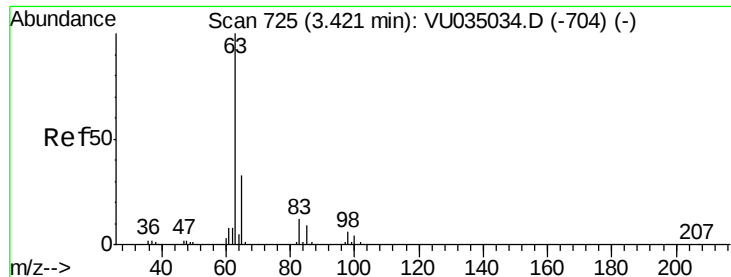
MMDadoda
10/11/2019 8:32:28 AM



#18
trans-1,2-Dichloroethene
Concen: 0.355 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion:	96	Resp:	3900
Ion	Ratio	Lower	Upper
96	100		
61	165.6	107.1	198.9
98	68.5	45.4	84.4





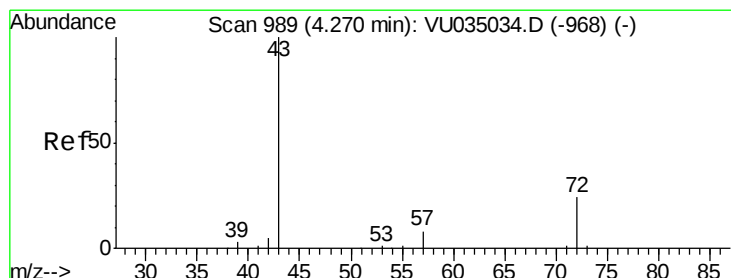
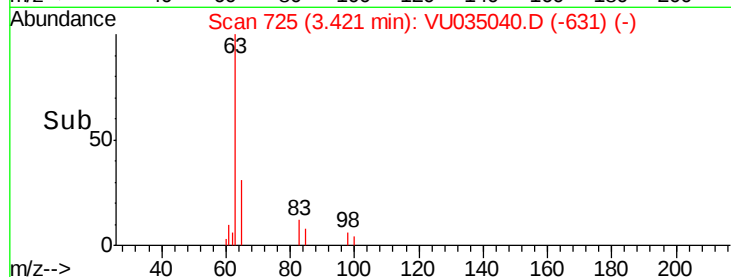
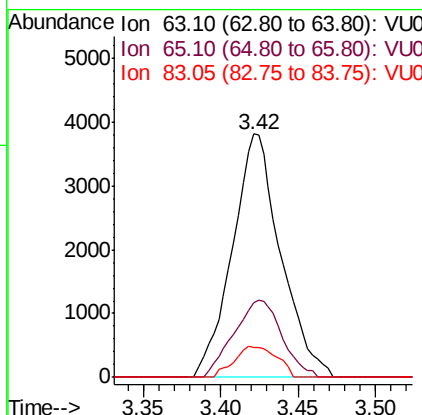
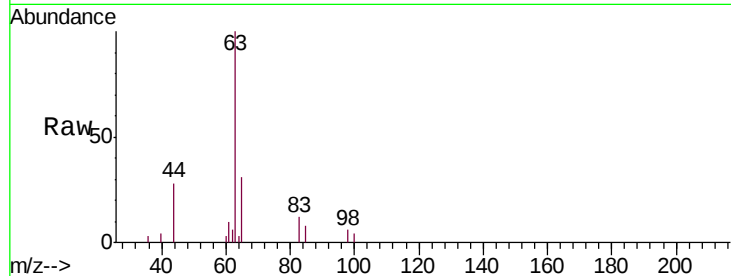
#19
 1,1-Dichloroethane
 Concen: 0.378 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	21.7	40.3
83	12.4	9.0	16.8

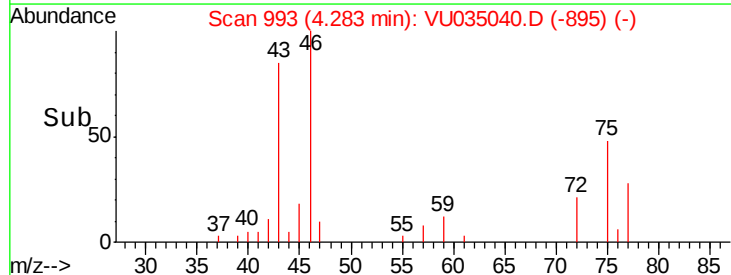
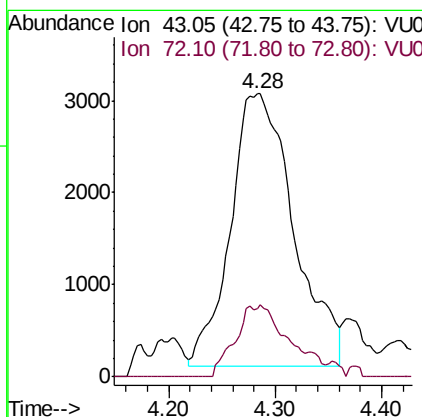
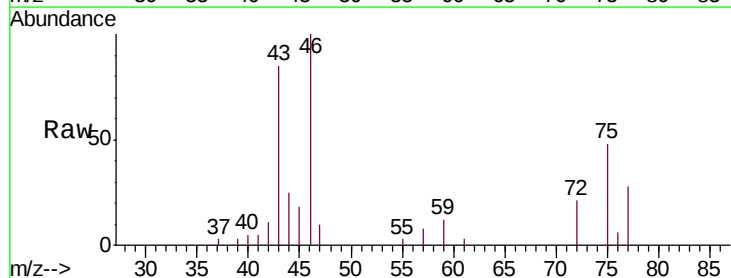
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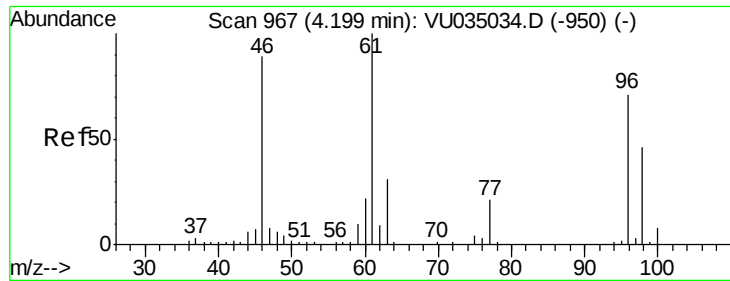
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#21
 2-Butanone
 Concen: 3.778 ug/L m
 RT: 4.28 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.7	13.5	40.4#





#22

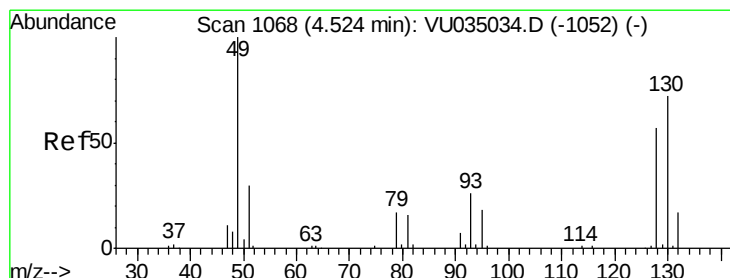
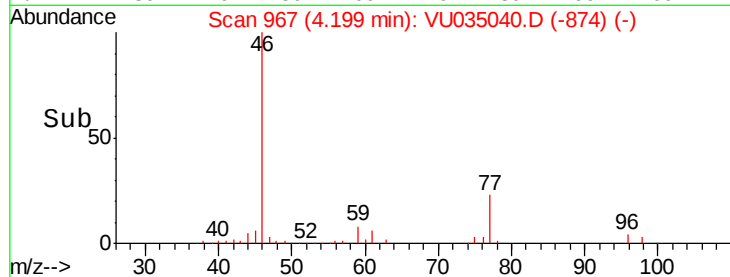
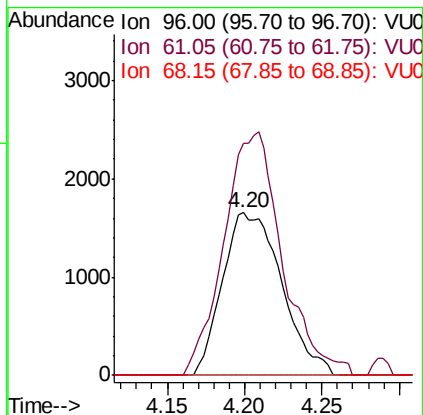
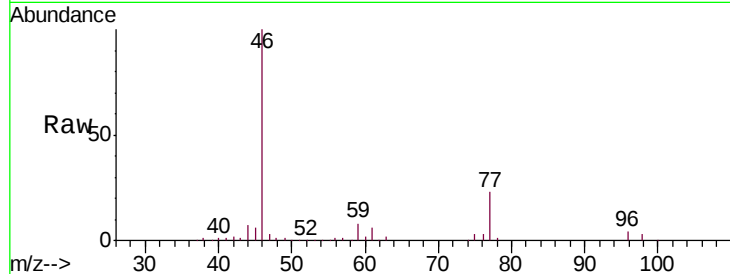
cis-1,2-Dichloroethene
Concen: 0.360 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.2	89.2	165.6
68	0.0	0.0	0.0

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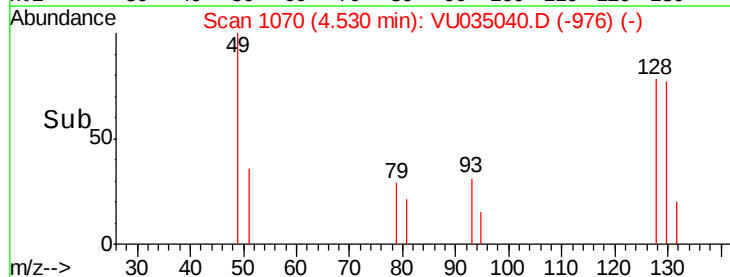
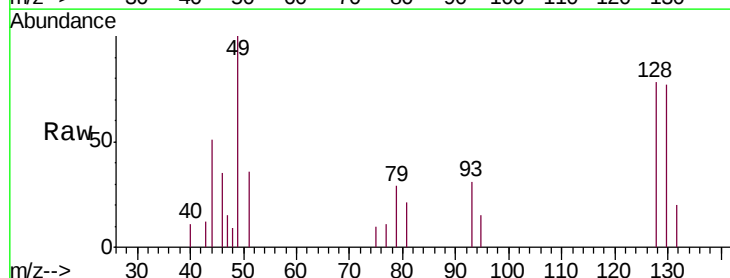
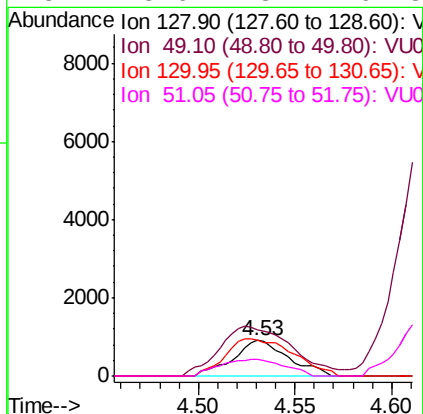
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10/11/2019 8:32:28 AM

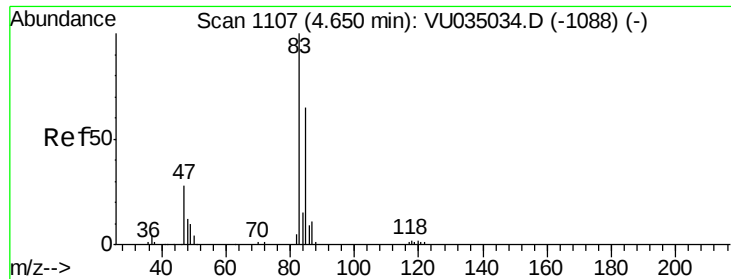


#23

Bromochloromethane
Concen: 0.351 ug/L
RT: 4.53 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	128.4	110.5	205.3
130	98.8	88.6	164.6
51	45.6	43.2	64.8





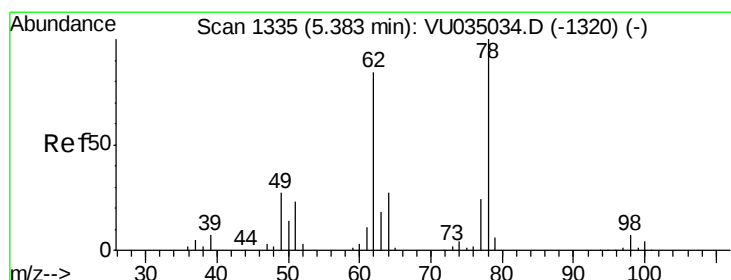
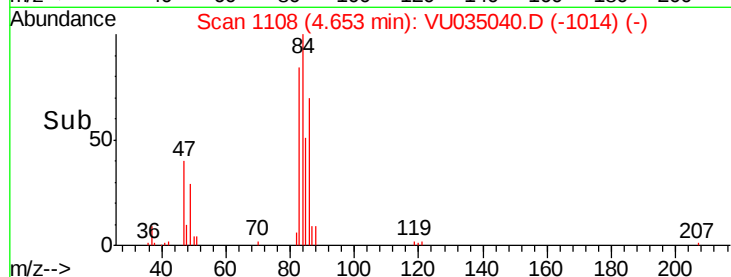
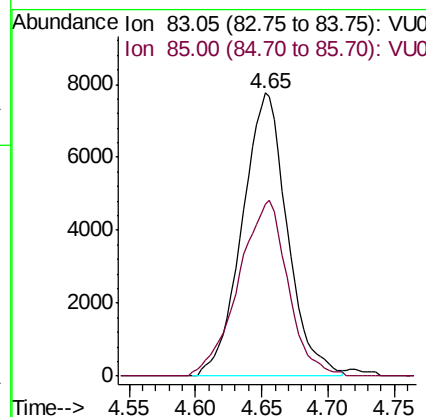
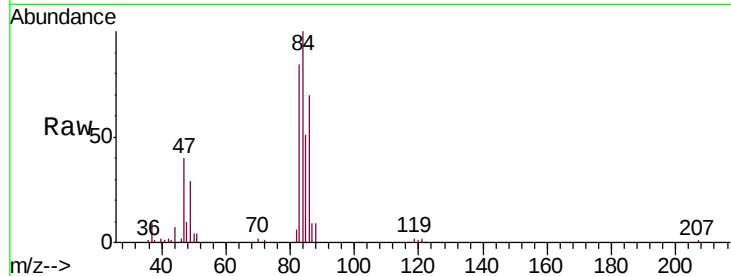
#25
Chloroform
Concen: 0.751 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 83 Resp: 18425
Ion Ratio Lower Upper
83 100
85 60.7 45.4 84.4

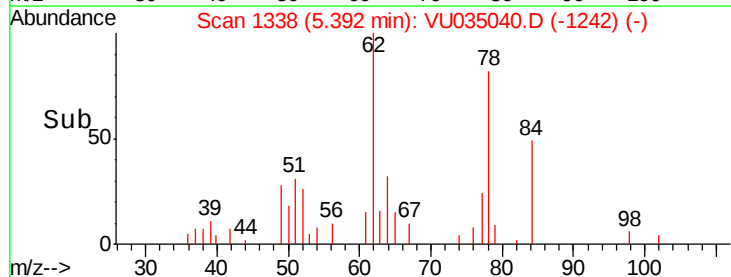
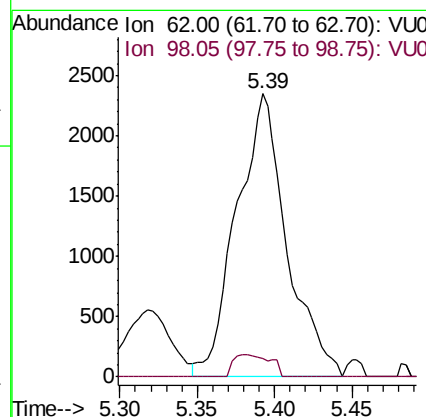
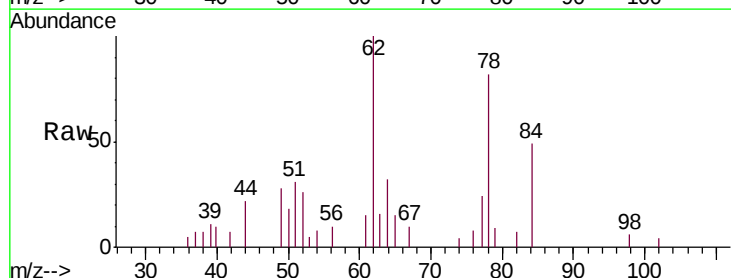
Manual Integrations
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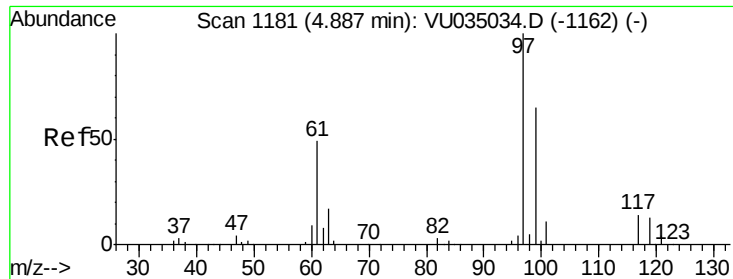
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.371 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 62 Resp: 5312
Ion Ratio Lower Upper
62 100
98 6.4 6.6 10.0#





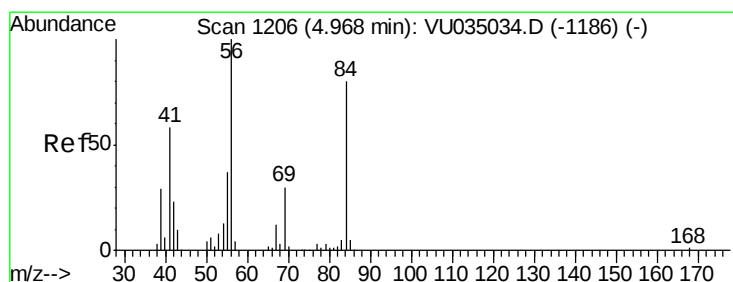
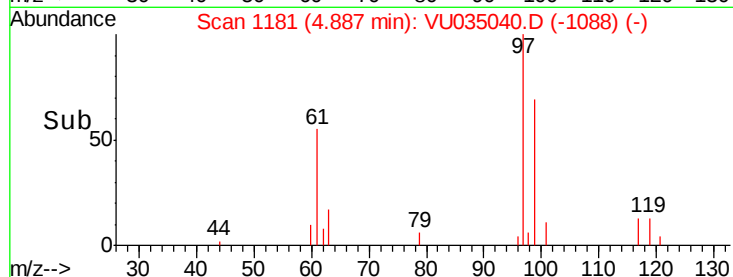
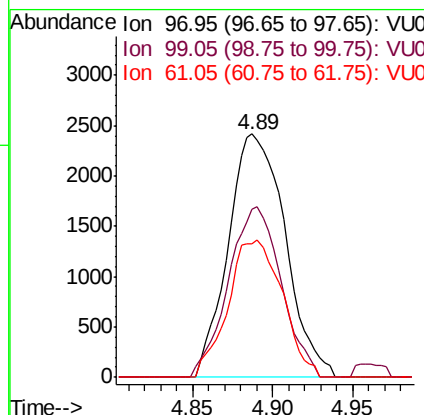
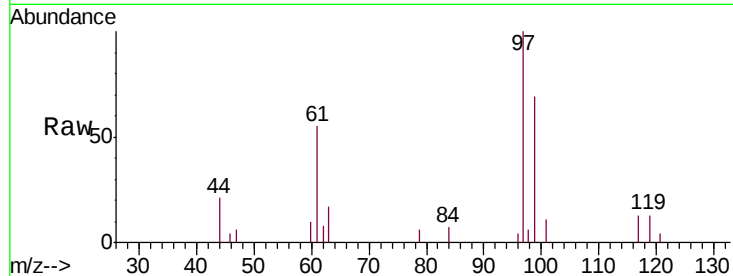
#29
 1,1,1-Trichloroethane
 Concen: 0.320 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	53.8	36.2	54.4

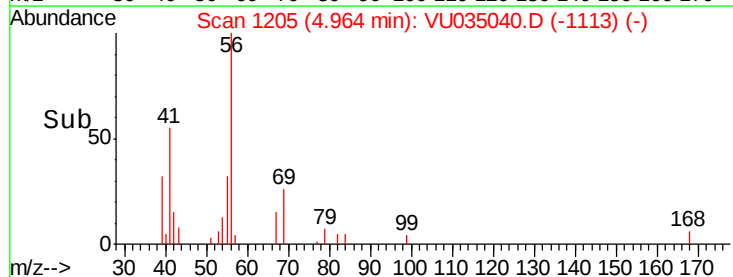
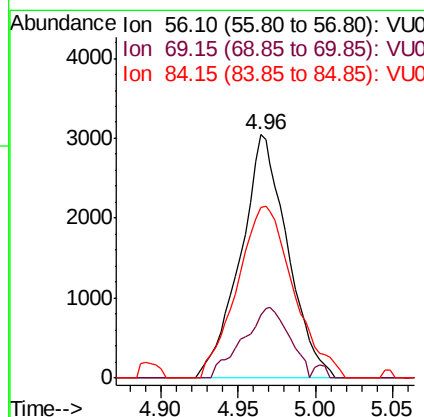
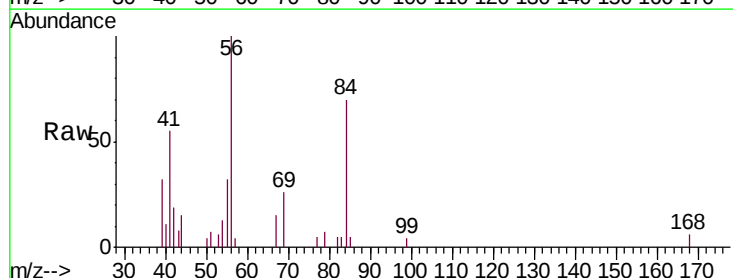
Manual Integrations
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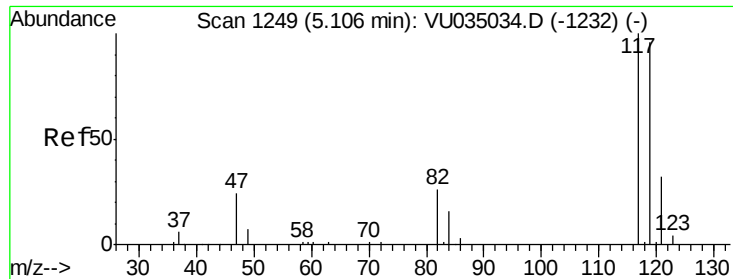
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#30
 Cyclohexane
 Concen: 0.318 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.9	35.9
84	84.4	69.5	104.3





#31

Carbon tetrachloride

Concen: 0.340 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion:117 Resp: 5433

Ion Ratio Lower Upper

117 100

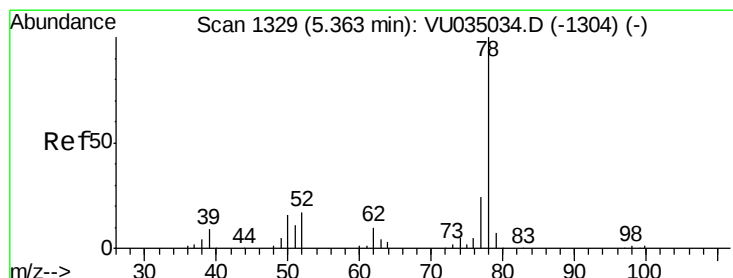
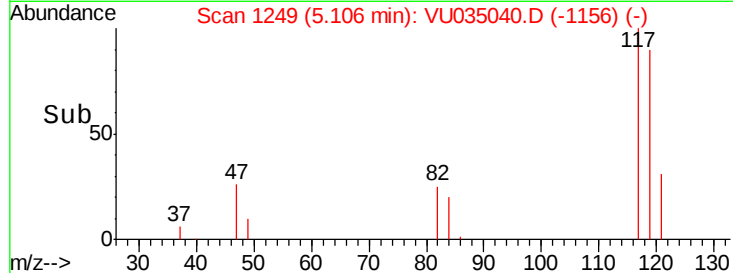
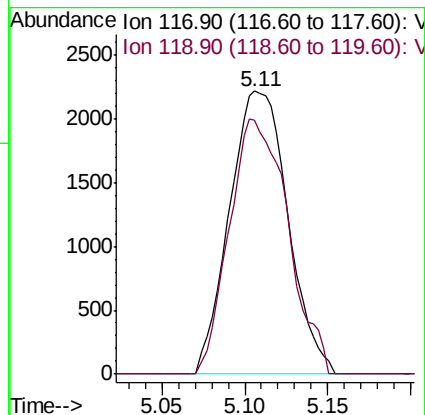
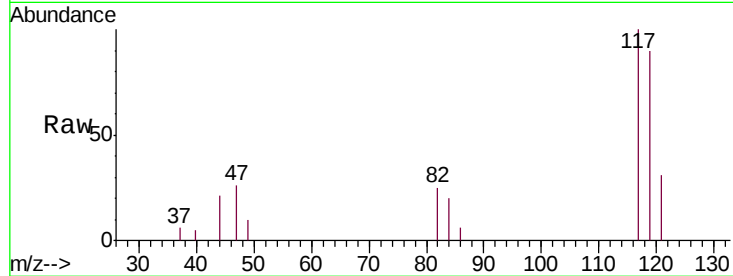
119 90.4 77.5 116.3

Manual Integrations

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#33

Benzene

Concen: 0.340 ug/L

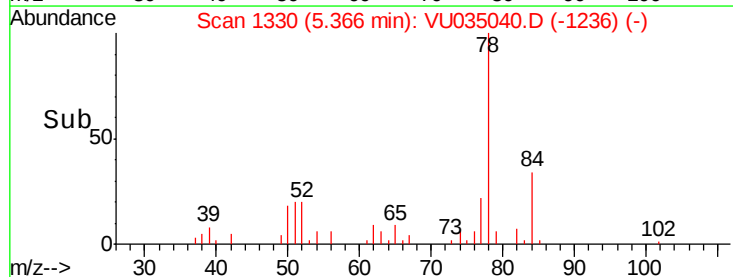
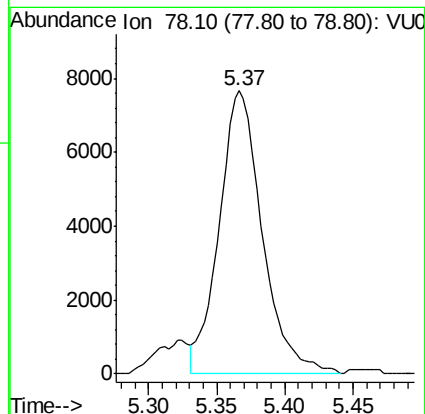
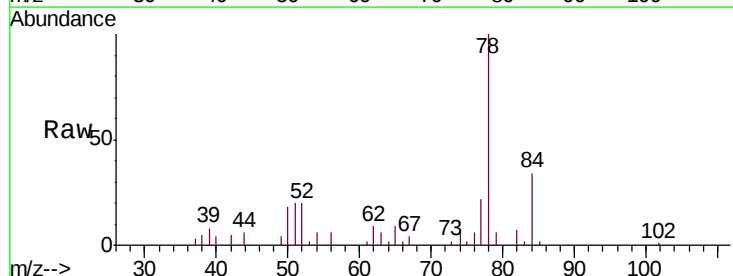
RT: 5.37 min Scan# 1330

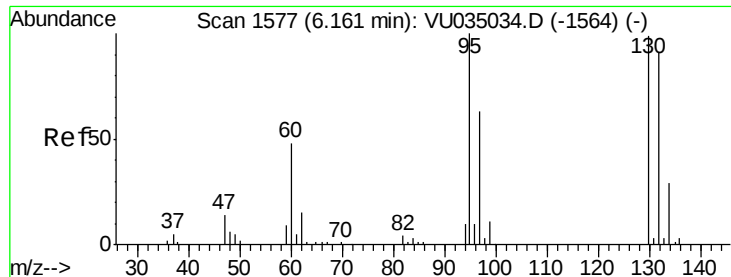
Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion: 78 Resp: 16834





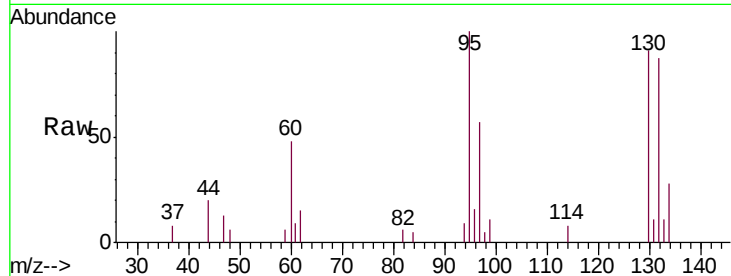
#34
 Trichloroethene
 Concen: 0.344 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

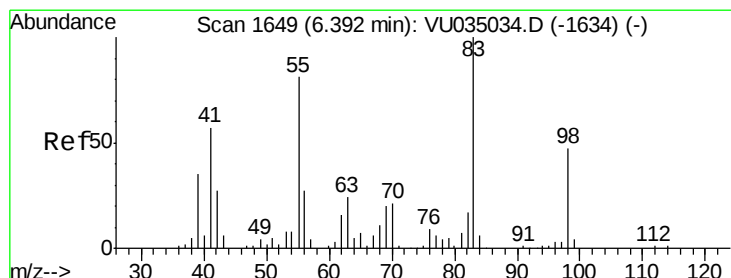
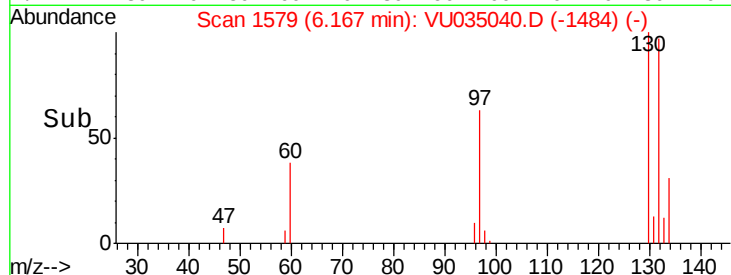
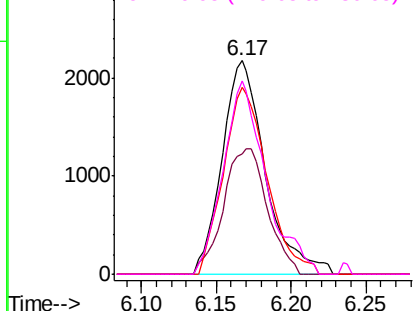
Tgt Ion:	95	Resp:	4390
Ion	Ratio	Lower	Upper
95	100		
97	56.6	44.5	82.7
132	87.5	66.6	123.8
130	90.5	68.9	127.9

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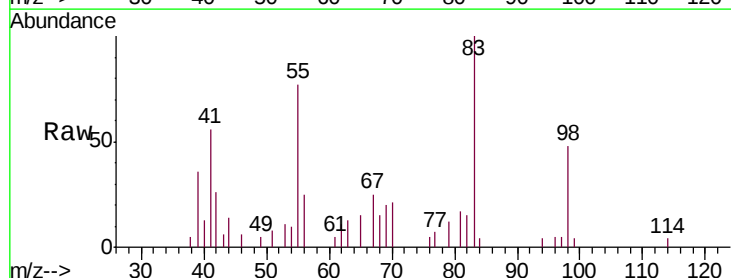


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

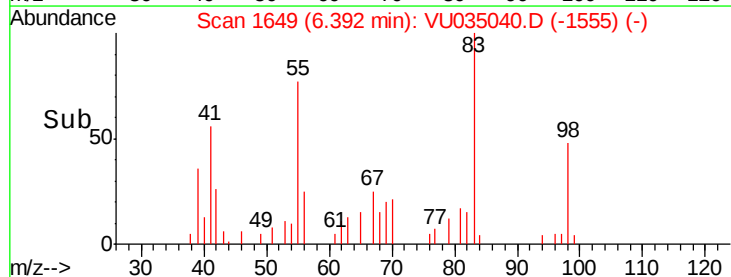
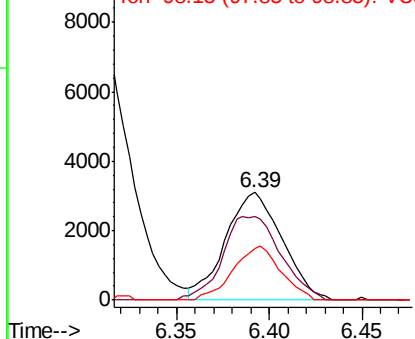


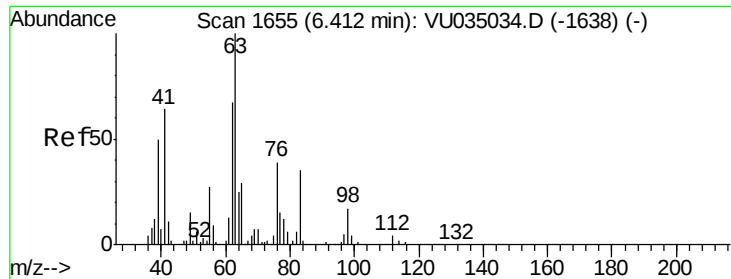
#35
 Methylcyclohexane
 Concen: 0.318 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion:	83	Resp:	6577
Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.6	94.0
98	42.0	36.2	54.2



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





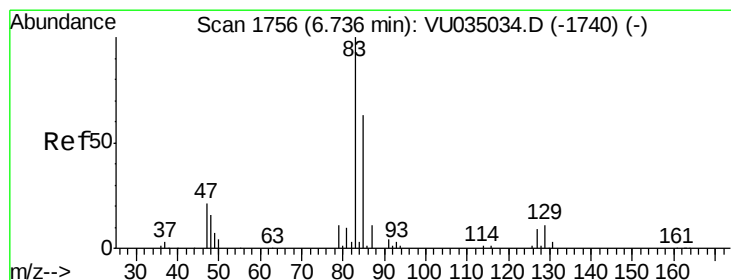
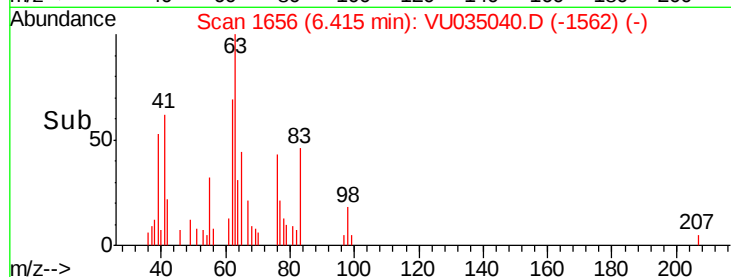
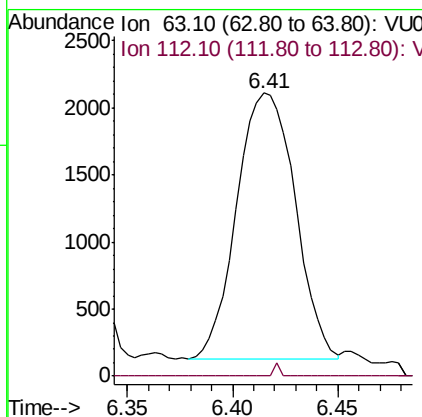
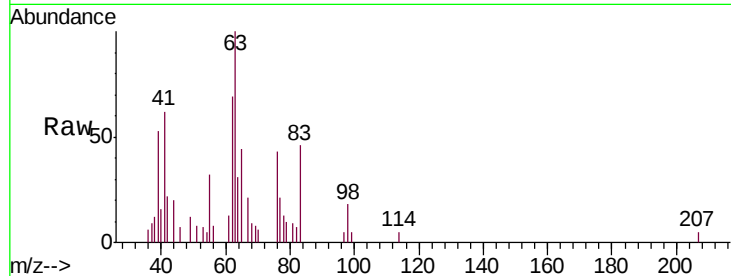
#37
 1,2-Dichloropropane
 Concen: 0.287 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion: 63 Resp: 3834
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.1 4.7#

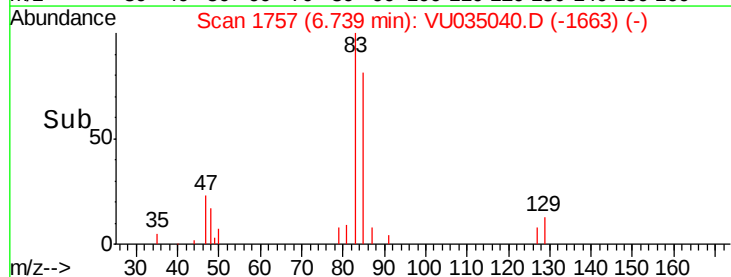
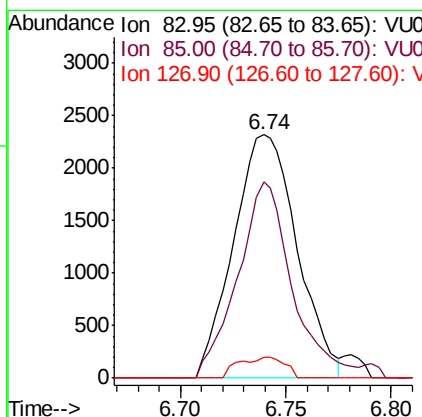
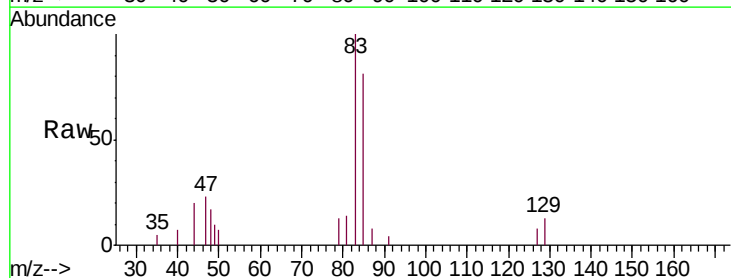
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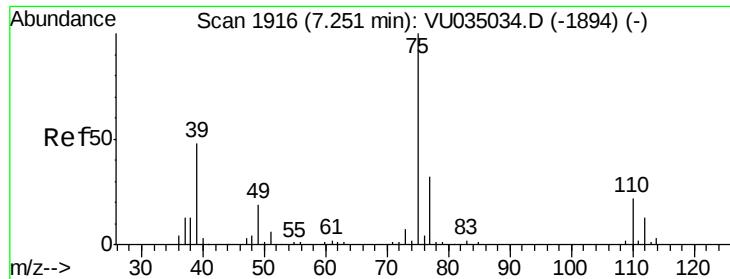
MMDadoda
 10/11/2019 8:32:28 AM



#38
 Bromodichloromethane
 Concen: 0.311 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion: 83 Resp: 4861
 Ion Ratio Lower Upper
 83 100
 85 80.6 44.0 81.8
 127 8.4 7.0 10.4





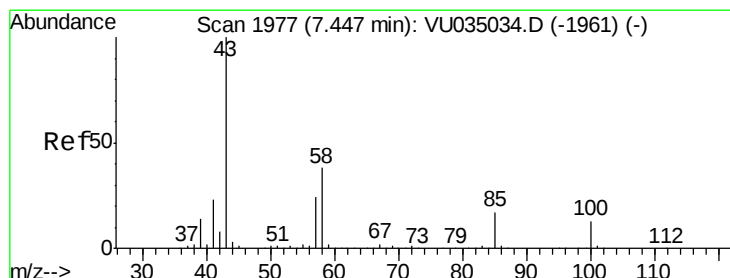
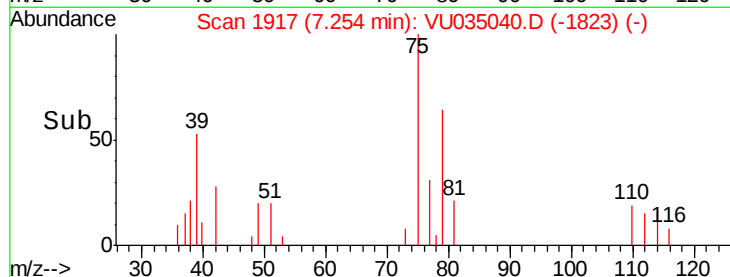
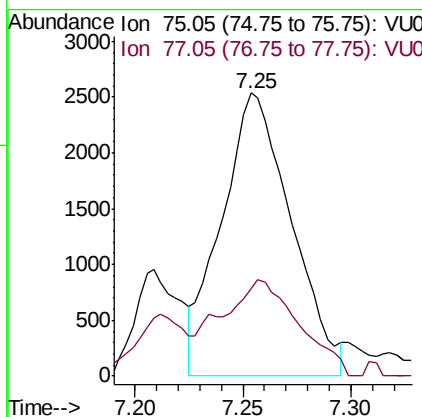
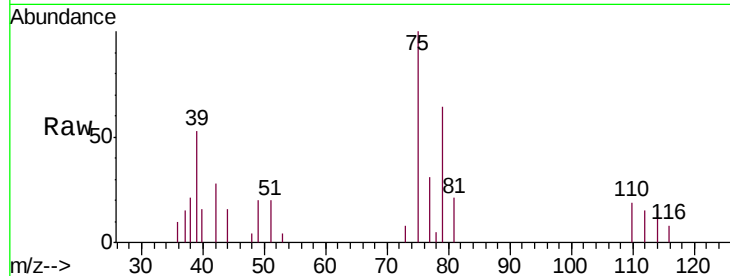
#39
 cis-1,3-Dichloropropene
 Concen: 0.316 ug/L m
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tgt Ion: 75 Resp: 5714
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.1 41.1

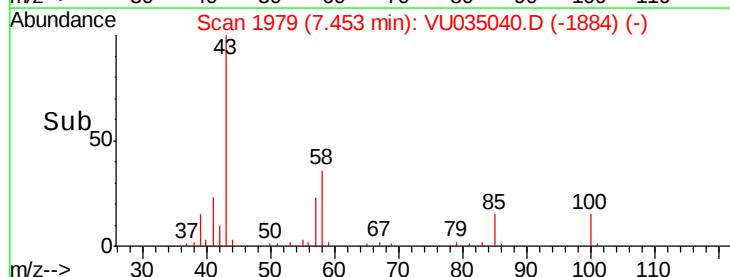
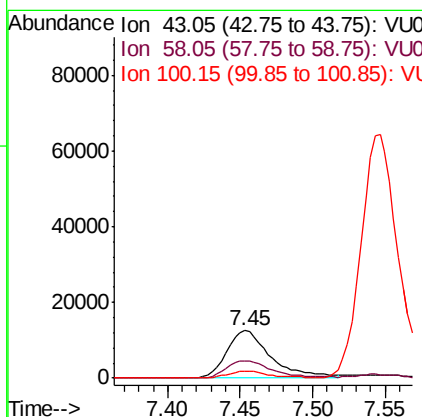
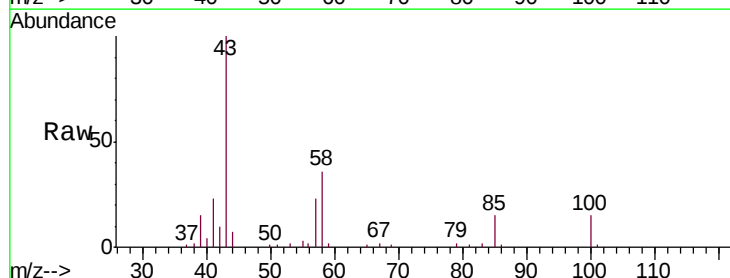
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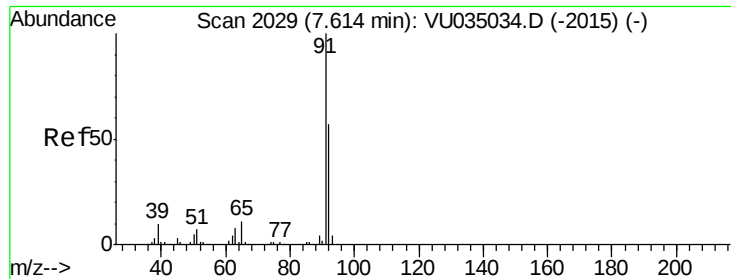
MMDadoda
 10/11/2019 8:32:28 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.164 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion: 43 Resp: 26565
 Ion Ratio Lower Upper
 43 100
 58 38.0 32.4 48.6
 100 14.0 11.9 17.9





#42

Toluene

Concen: 0.326 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 16806

Ion Ratio Lower Upper

91 100

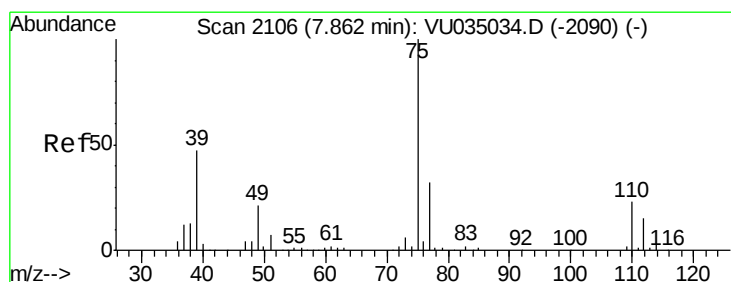
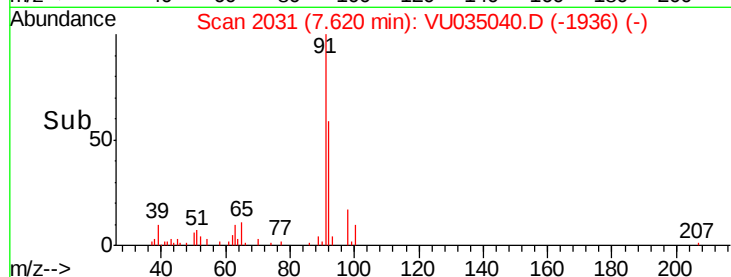
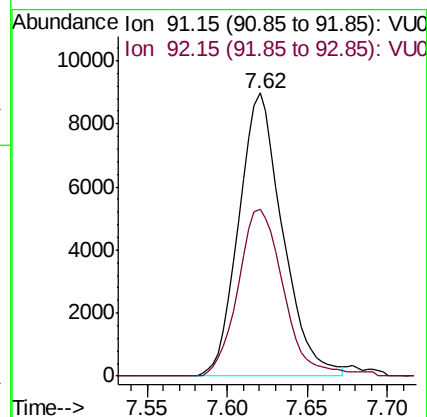
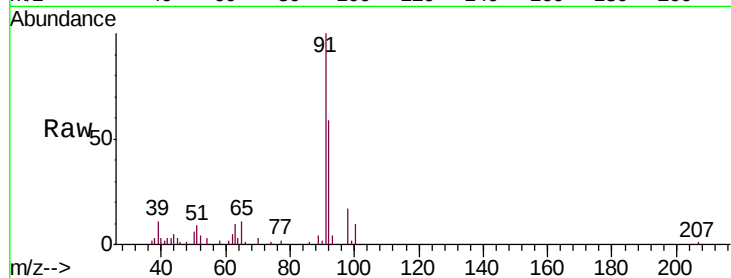
92 58.7 40.0 74.2

Manual Integrations

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MMDadoda

10/11/2019 8:32:28 AM



#44

trans-1,3-Dichloropropene

Concen: 0.300 ug/L m

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU035040.D

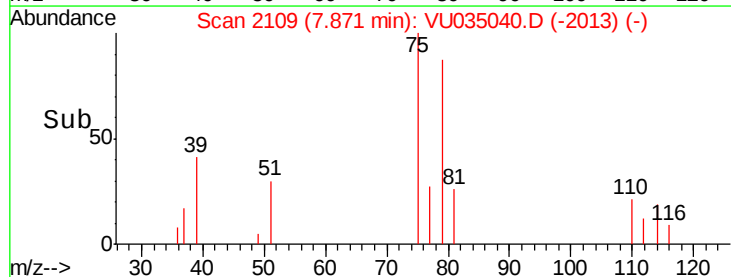
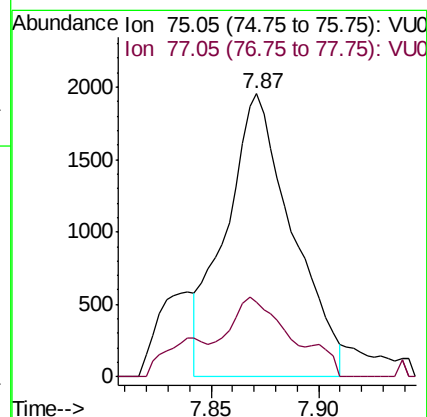
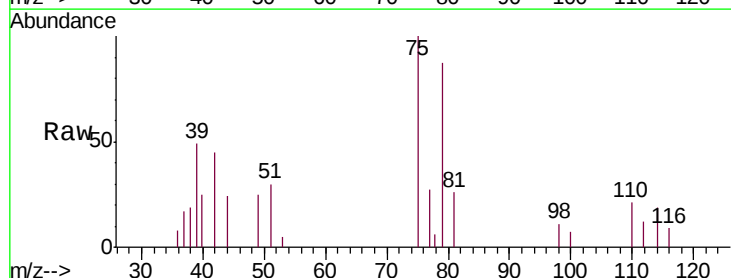
Acq: 10 Oct 2019 11:54

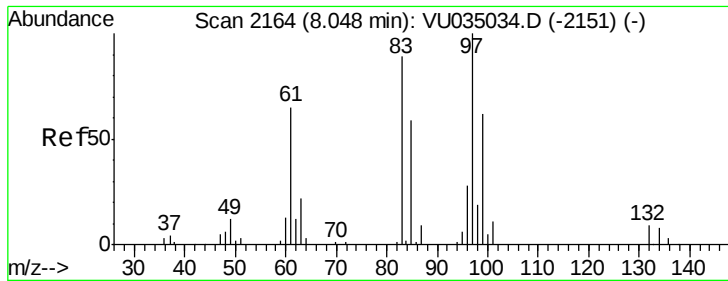
Tgt Ion: 75 Resp: 4201

Ion Ratio Lower Upper

75 100

77 26.6 21.6 40.0





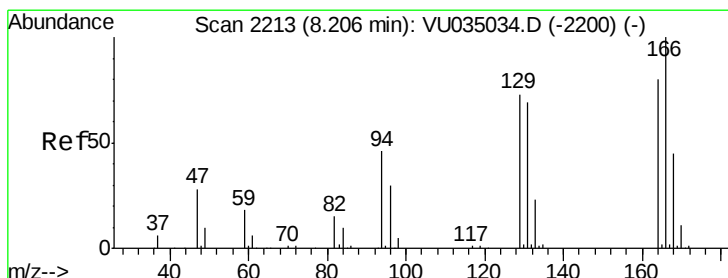
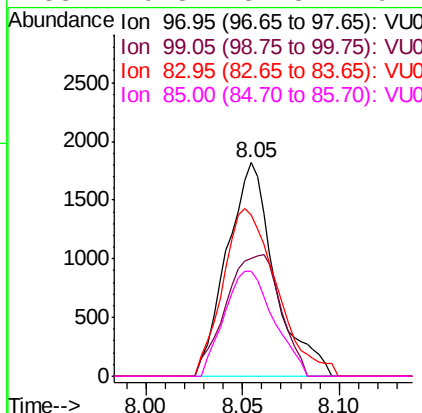
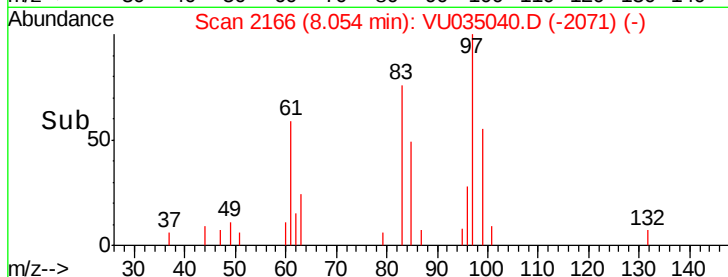
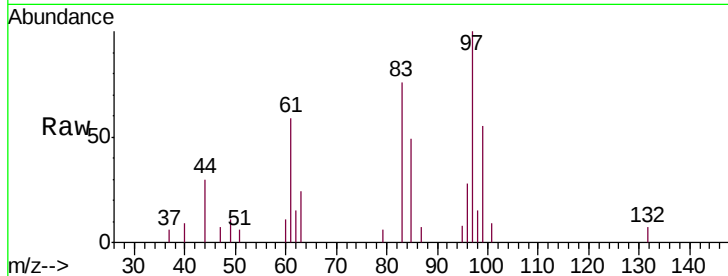
#45
 1,1,2-Trichloroethane
 Concen: 0.352 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion:	97	Resp:	3114
Ion	Ratio	Lower	Upper
97	100		
99	55.4	42.3	78.5
83	75.8	58.0	107.6
85	49.3	37.8	70.2

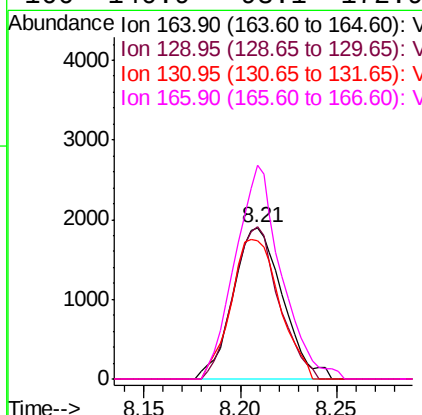
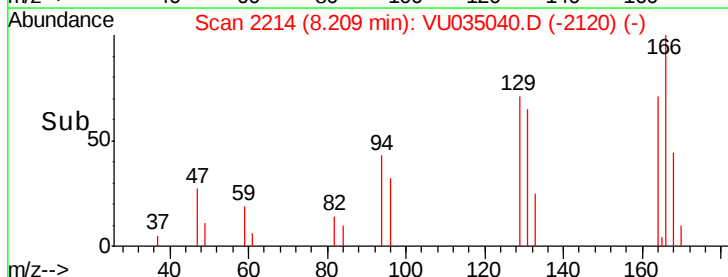
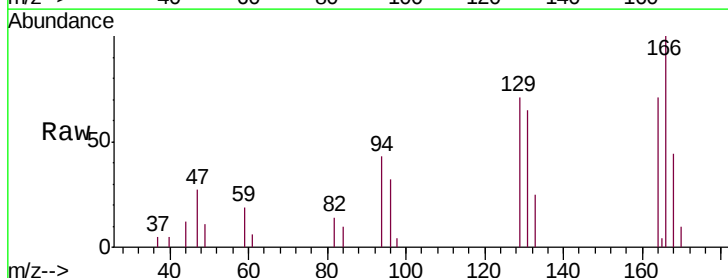
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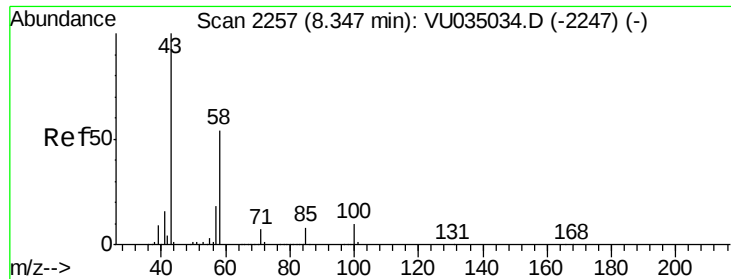
MMDadoda
 10/11/2019 8:32:28 AM



#47
 Tetrachloroethene
 Concen: 0.328 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion:	164	Resp:	3382
Ion	Ratio	Lower	Upper
164	100		
129	100.5	68.5	127.1
131	91.2	67.3	124.9
166	140.9	93.1	172.9





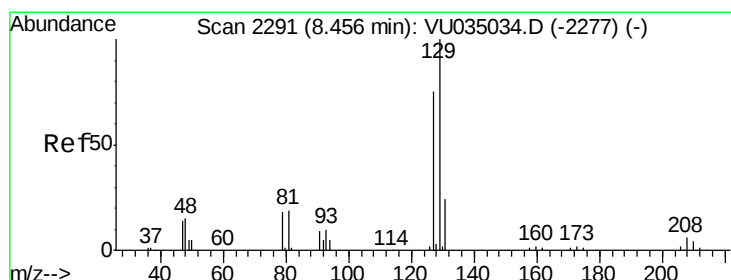
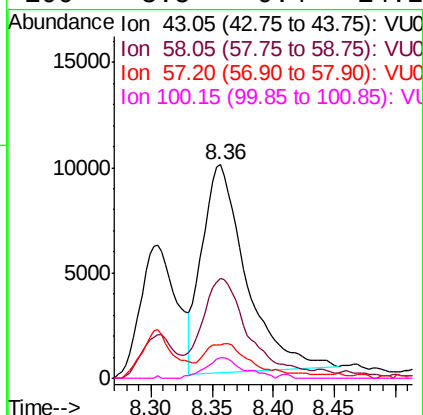
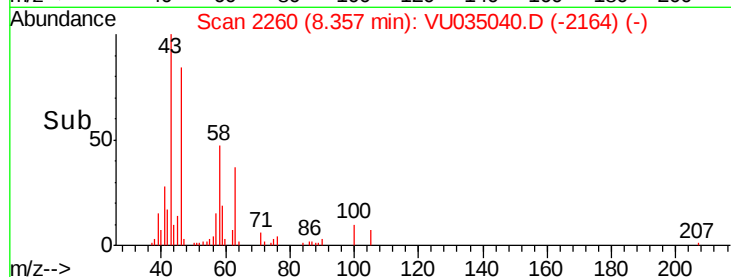
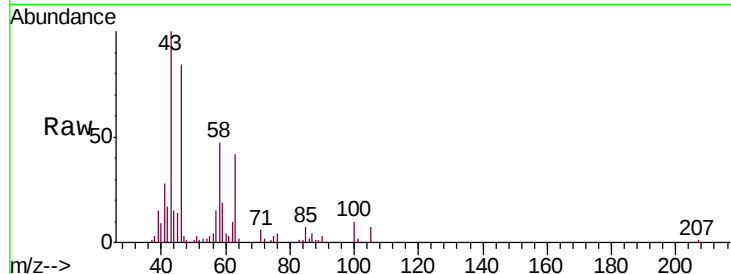
#48
2-Hexanone
Concen: 4.303 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.1	44.1	66.1
57	16.2	15.8	23.8
100	8.5	9.4	14.2#

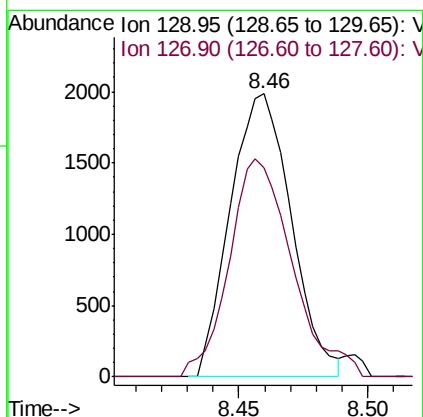
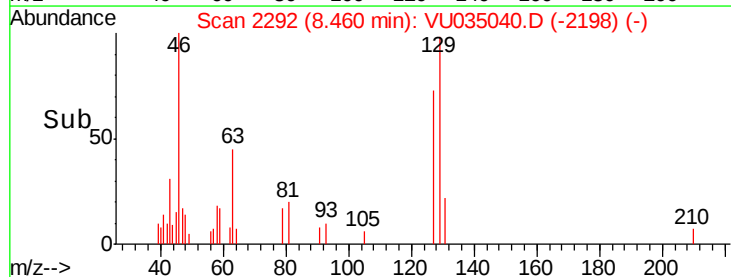
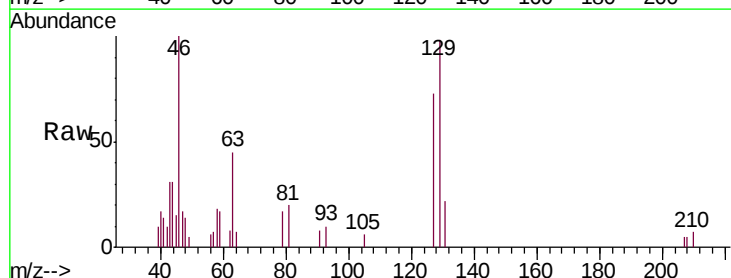
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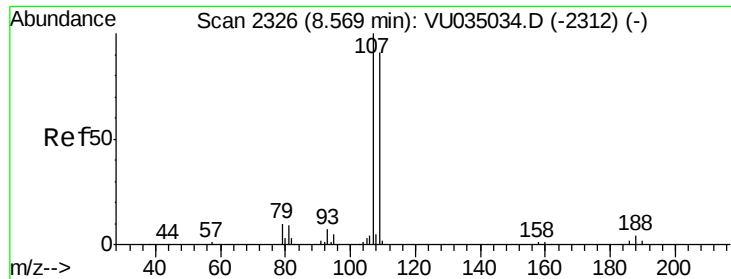
MMDadoda
10/11/2019 8:32:28 AM



#49
Dibromochloromethane
Concen: 0.319 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.1	51.9	96.5





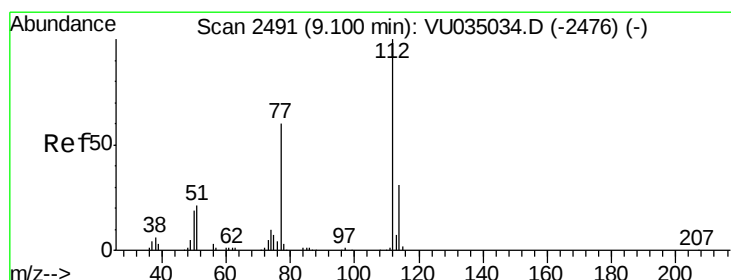
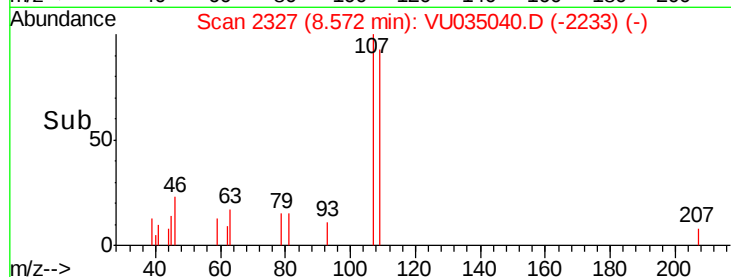
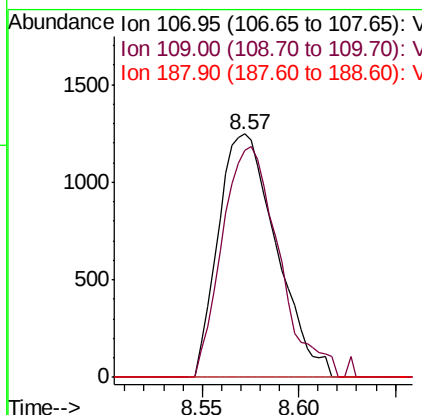
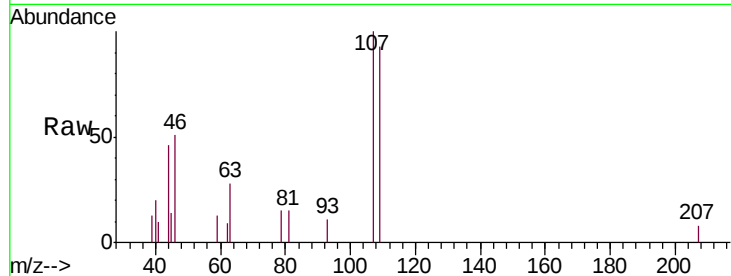
#50
1,2-Dibromoethane
Concen: 0.308 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2604		
109	93.0	64.8	120.4	
188	0.0	3.0	4.6#	

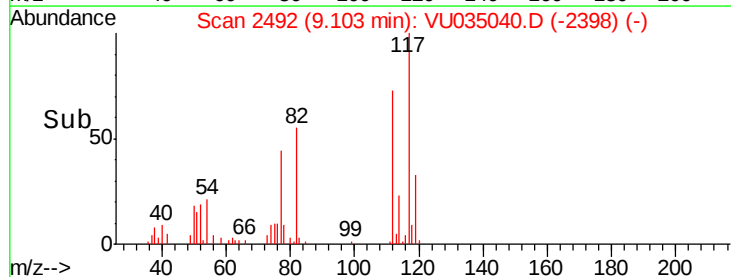
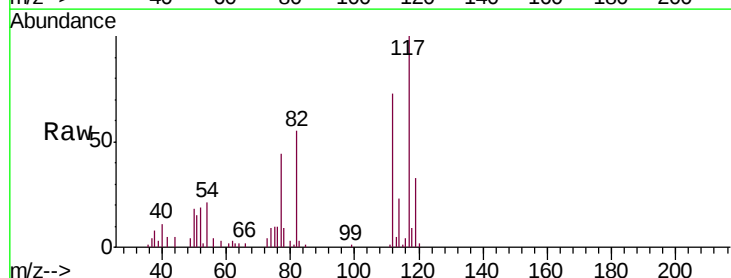
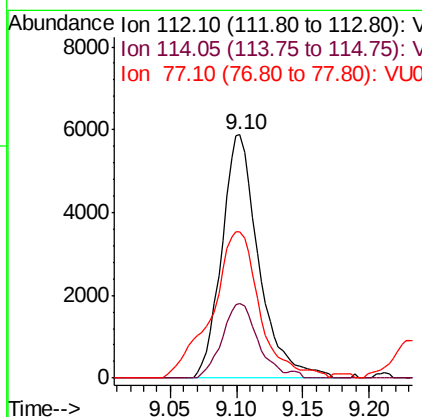
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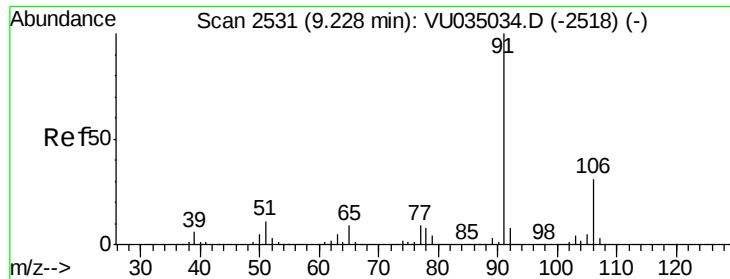
MMDadoda
10/11/2019 8:32:28 AM



#51
Chlorobenzene
Concen: 0.340 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	11387		
114	30.7	22.1	41.1	
77	60.1	46.9	70.3	





#52

Ethylbenzene

Concen: 0.309 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion: 91 Resp: 17633

Ion Ratio Lower Upper

91 100

106 34.0 21.6 40.2

Instrument :

MSVOA_U

ClientSampled :

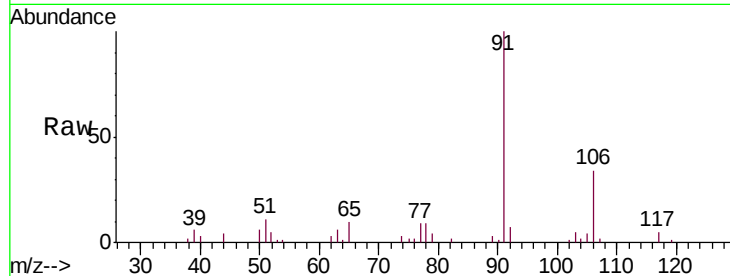
MDL05

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Abundance Ion 91.15 (90.85 to 91.85): VU035040.D (-2518) (-)

Ion 106.15 (105.85 to 106.85): VU035040.D (-2518) (-)

9.23

10000

8000

6000

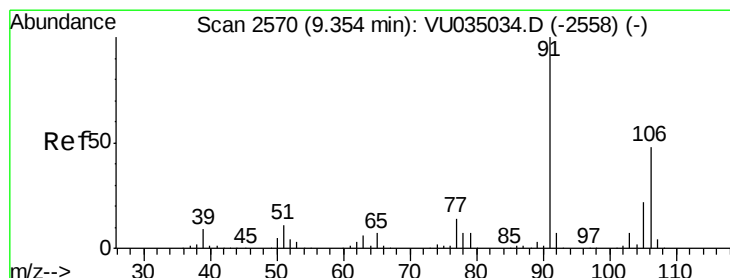
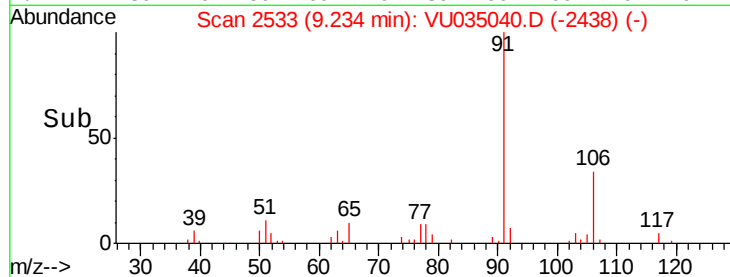
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 0.305 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU035040.D

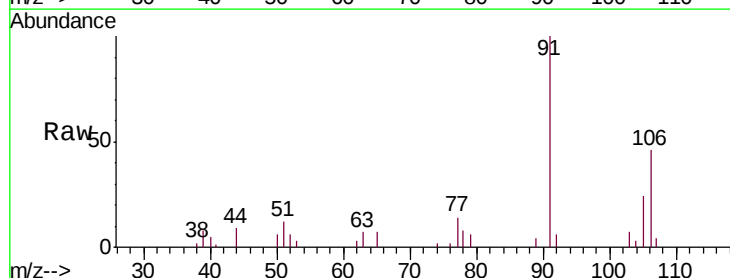
Acq: 10 Oct 2019 11:54

Tgt Ion: 106 Resp: 6425

Ion Ratio Lower Upper

106 100

91 216.0 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035040.D (-2558) (-)

Ion 91.15 (90.85 to 91.85): VU035040.D (-2558) (-)

9.36

8000

6000

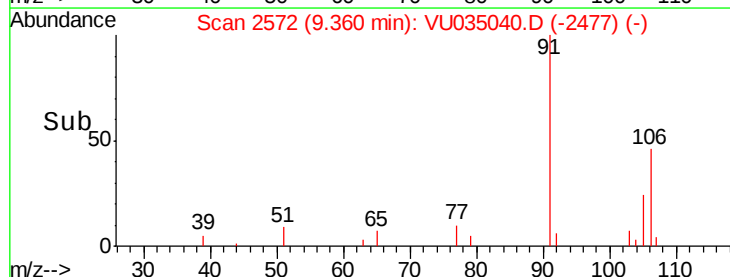
4000

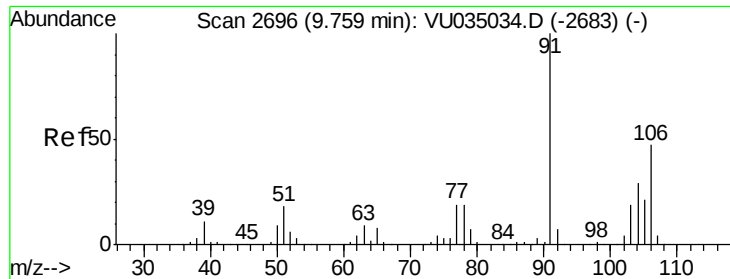
2000

0

9.30 9.35 9.40 9.45

Time-->





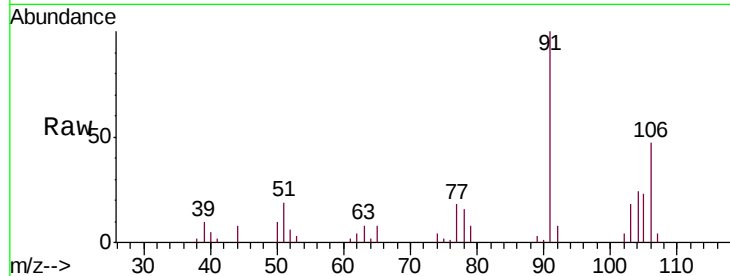
#54
o-Xylene
Concen: 0.295 ug/L
RT: 9.76 min Scan# 2698
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

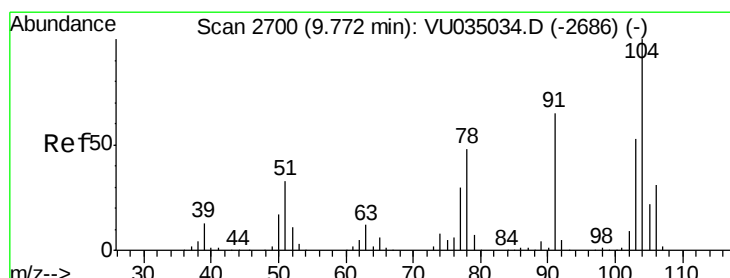
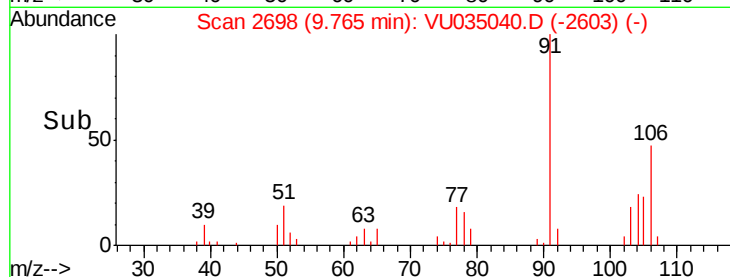
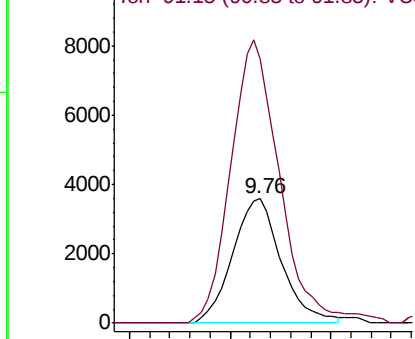
Tgt Ion:106 Resp: 6072
Ion Ratio Lower Upper
106 100
91 211.9 148.5 275.7

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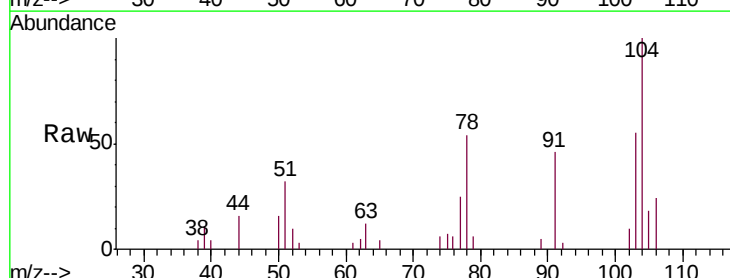


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

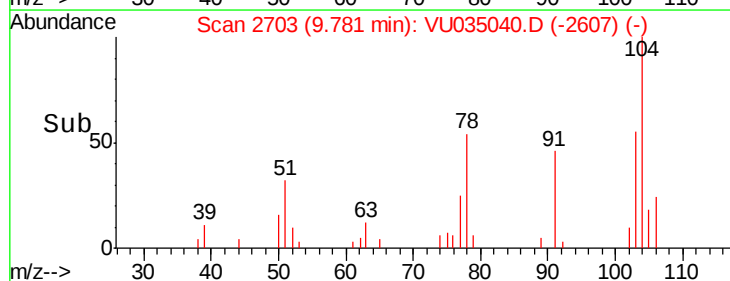
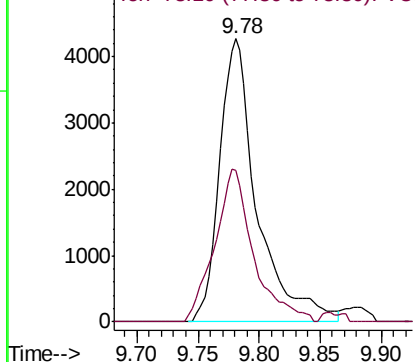


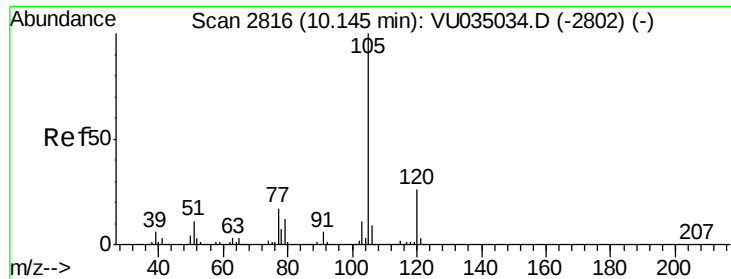
#55
Styrene
Concen: 0.275 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion:104 Resp: 9173
Ion Ratio Lower Upper
104 100
78 53.6 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.307 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

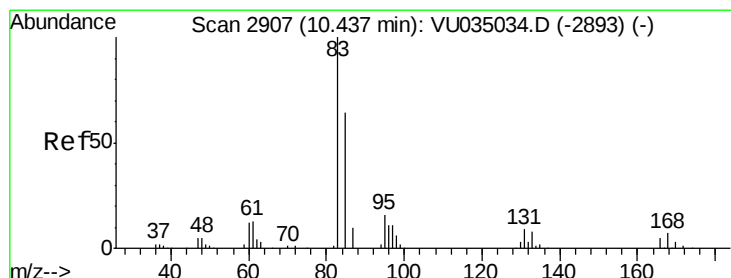
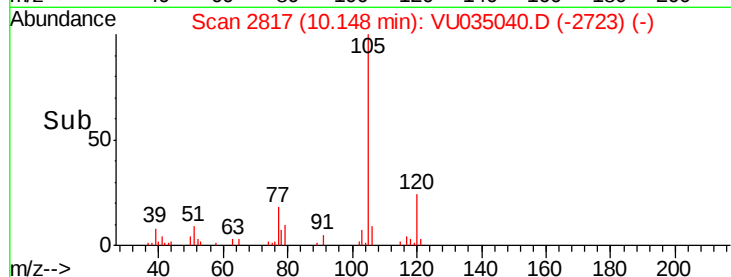
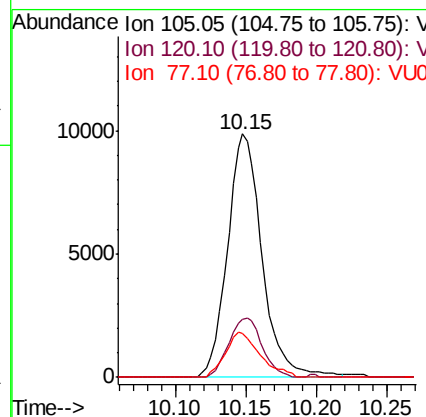
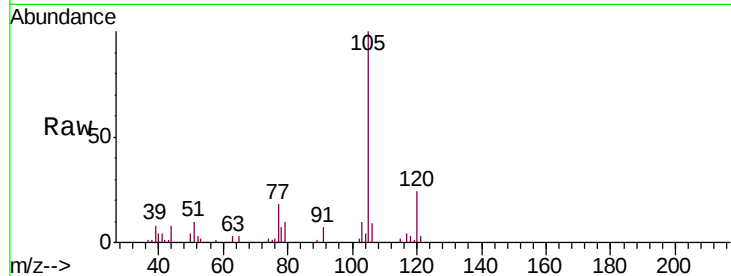
ClientSampleId :

MDL05

Tgt Ion:	105	Resp:	16873
Ion Ratio	Lower	Upper	
105	100		
120	23.5	21.3	31.9
77	18.6	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.335 ug/L

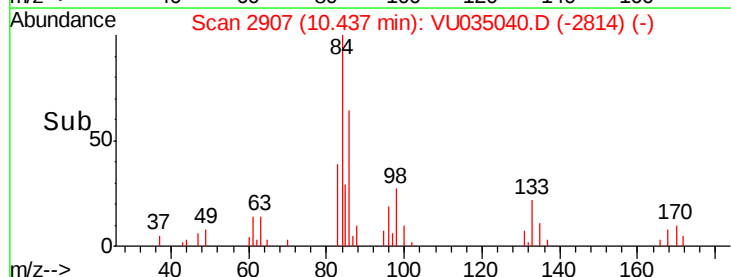
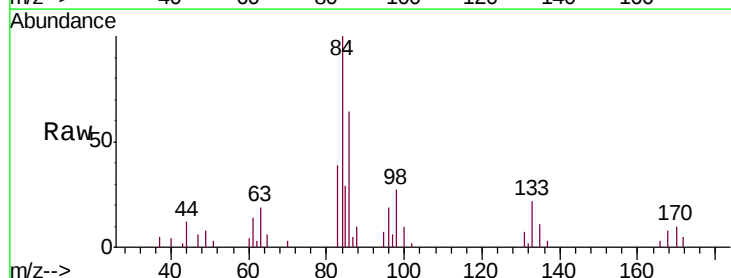
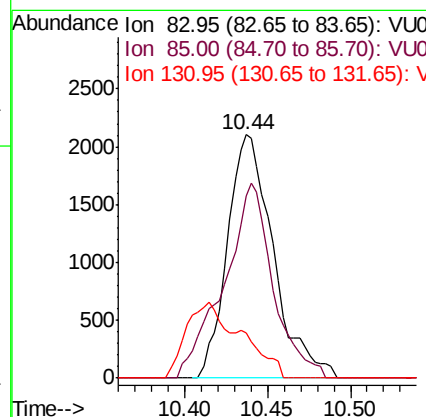
RT: 10.44 min Scan# 2907

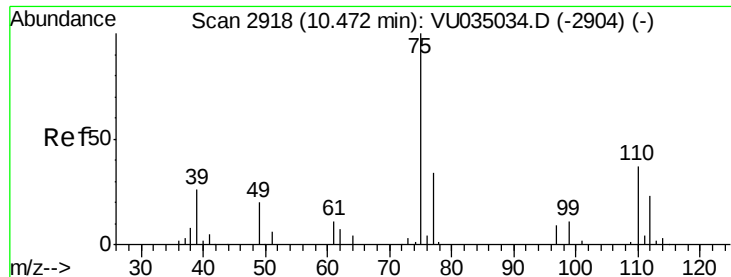
Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion:	83	Resp:	4032
Ion Ratio	Lower	Upper	
83	100		
85	74.8	44.6	82.8
131	18.6	7.4	11.2#





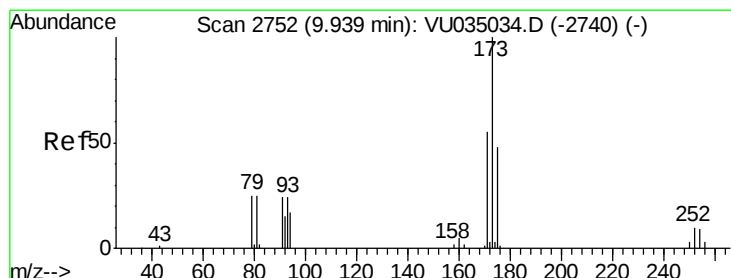
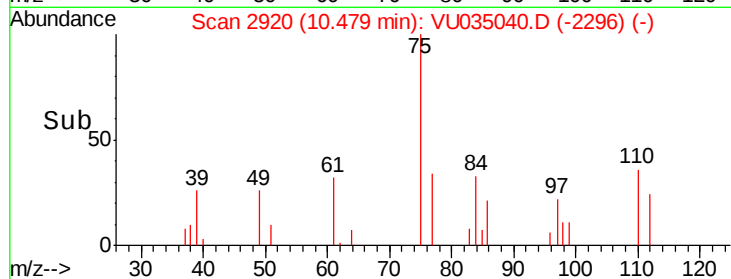
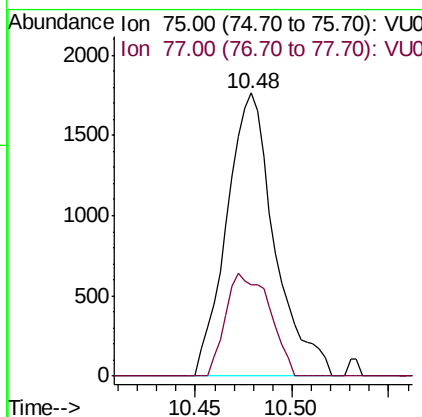
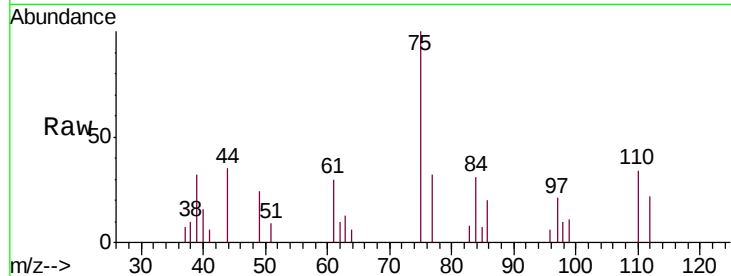
#59
1,2,3-Trichloropropane
Concen: 0.352 ug/L
RT: 10.48 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 75 Resp: 3042
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7

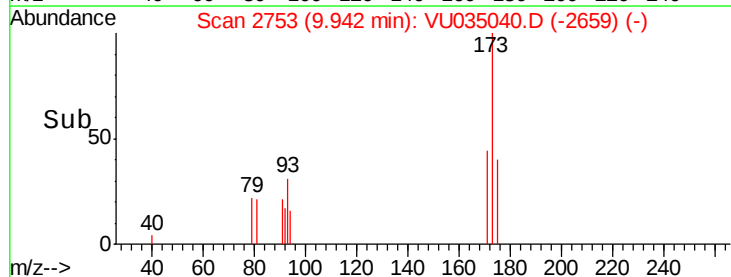
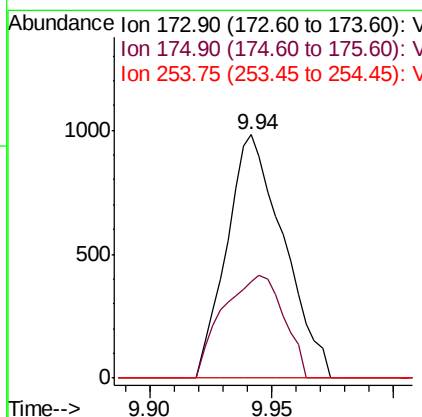
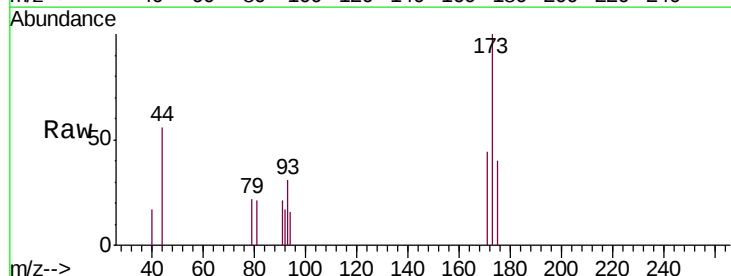
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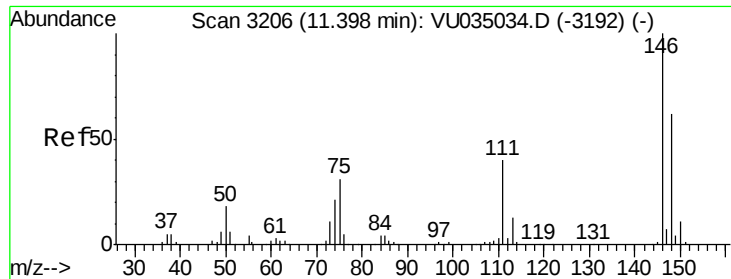
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#61
Bromoform
Concen: 0.330 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU035040.D
Acq: 10 Oct 2019 11:54

Tgt Ion: 173 Resp: 1588
Ion Ratio Lower Upper
173 100
175 45.3 37.2 55.8
254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.341 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

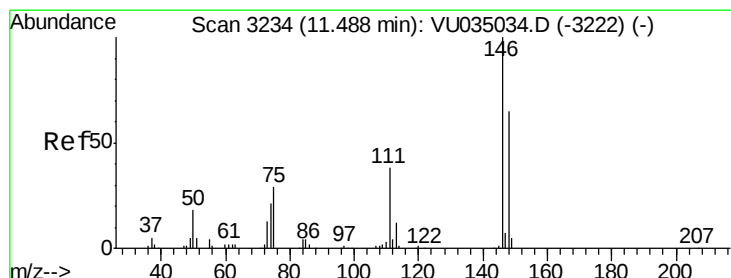
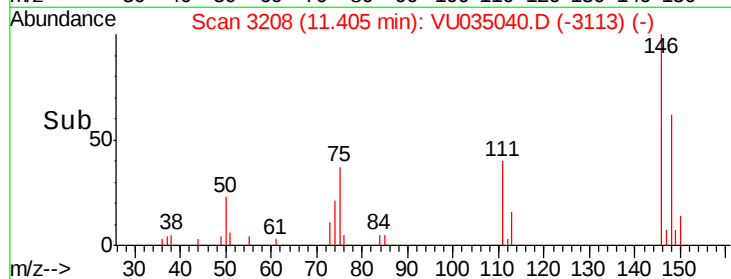
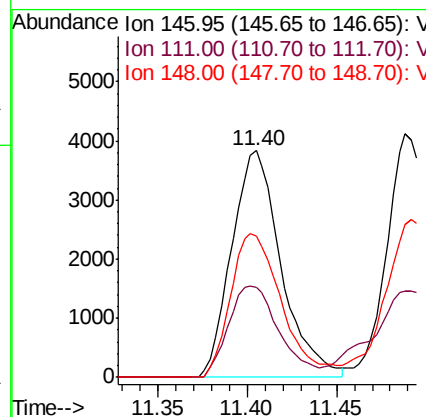
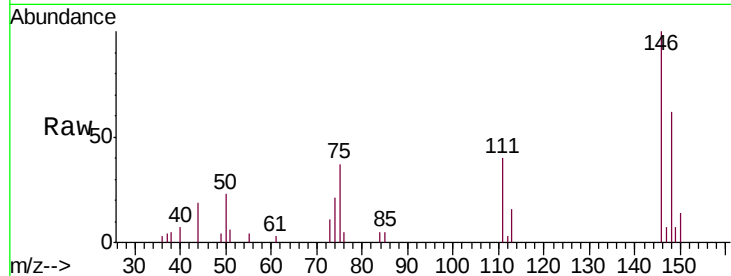
ClientSampled :

MDL05

Tgt Ion:	146	Resp:	7380
Ion Ratio	Lower	Upper	
146	100		
111	39.8	28.6	53.2
148	62.4	45.0	83.6

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#63

1,4-Dichlorobenzene

Concen: 0.379 ug/L

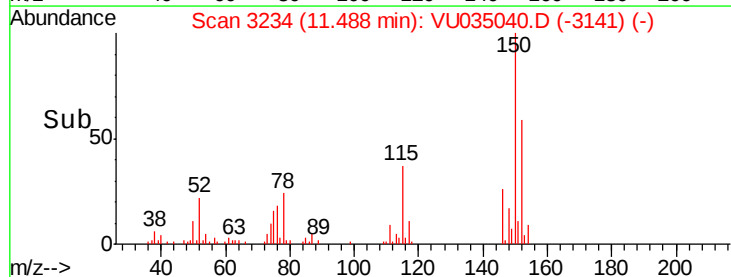
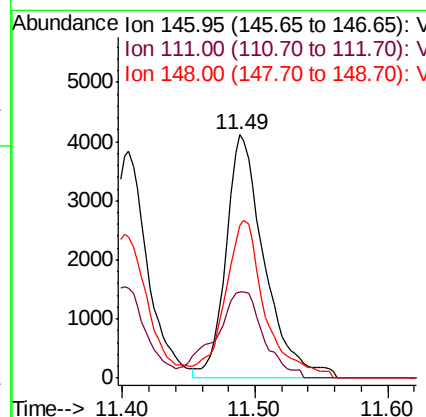
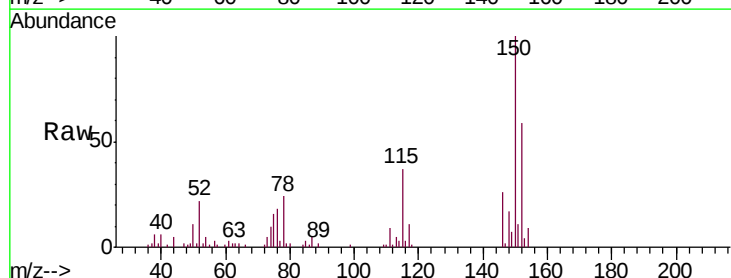
RT: 11.49 min Scan# 3234

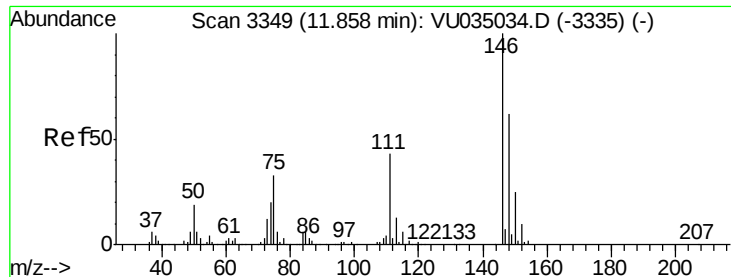
Delta R.T. 0.00 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion:	146	Resp:	8275
Ion Ratio	Lower	Upper	
146	100		
111	35.3	27.9	51.7
148	62.9	44.1	81.9





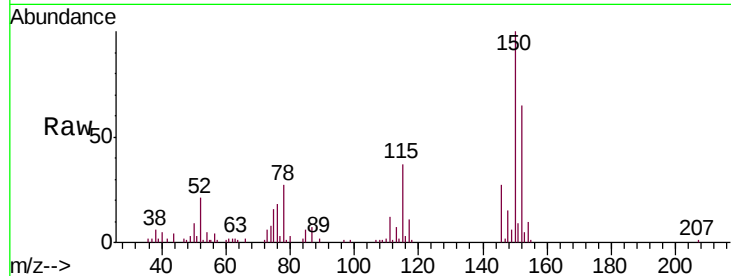
#65
 1,2-Dichlorobenzene
 Concen: 0.387 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

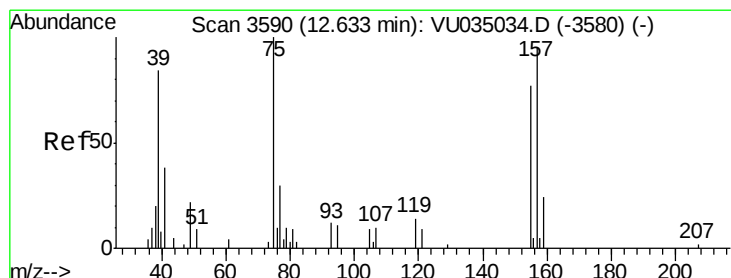
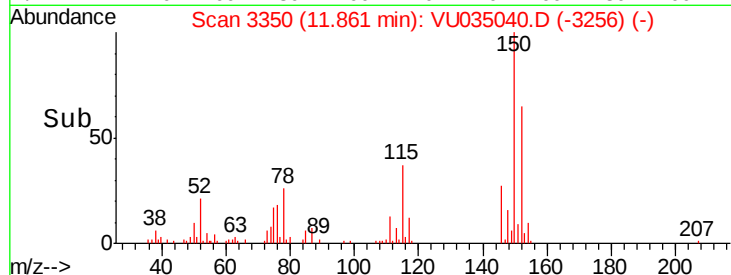
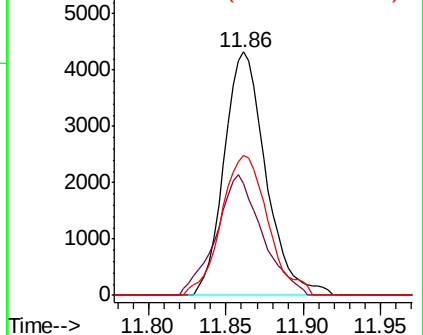
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	34.2	51.4
148	57.5	52.0	78.0

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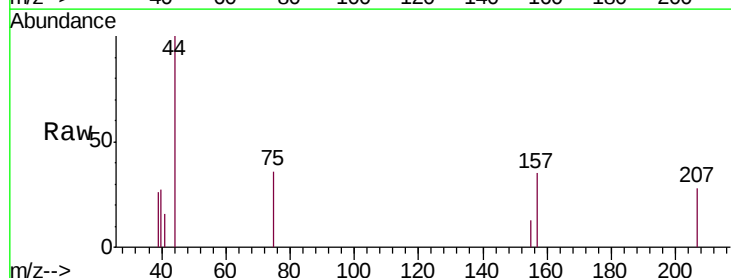


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

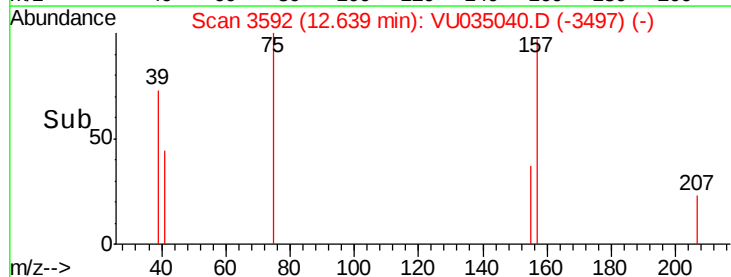
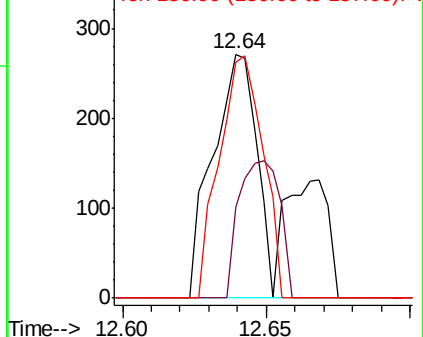


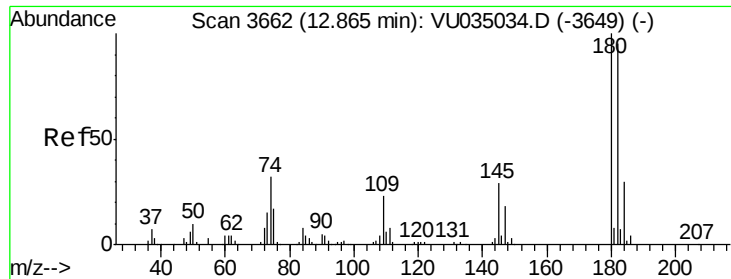
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.317 ug/L m
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	37.3	67.1	100.7#
157	96.7	83.7	125.5



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V





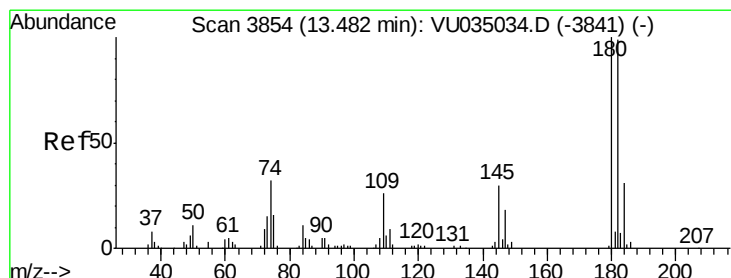
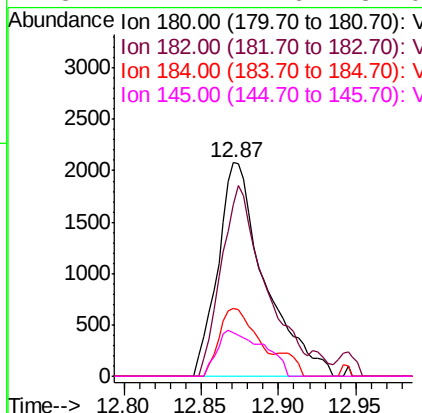
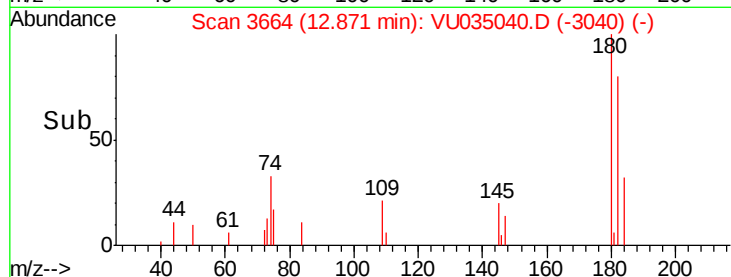
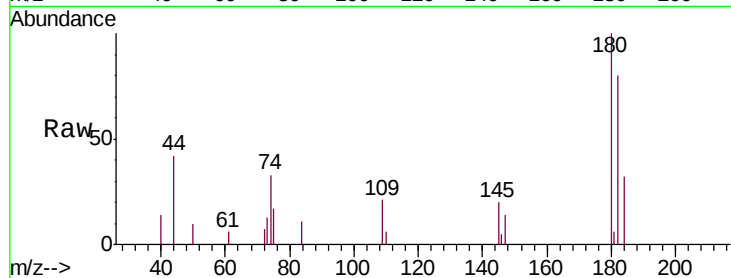
#67
 1,3,5-Trichlorobenzene
 Concen: 0.298 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.1	76.0	114.0
184	25.5	24.2	36.2
145	21.2	24.6	37.0#

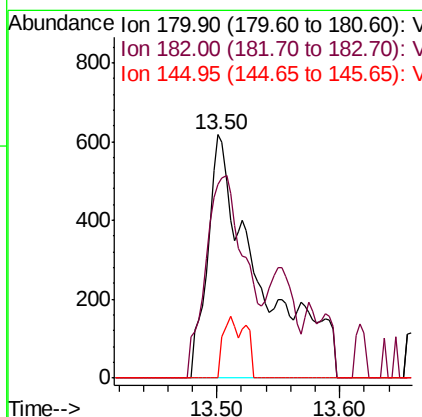
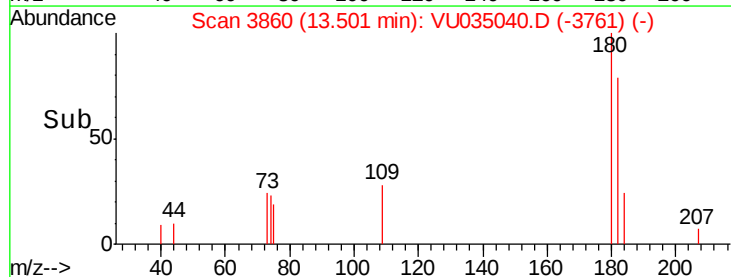
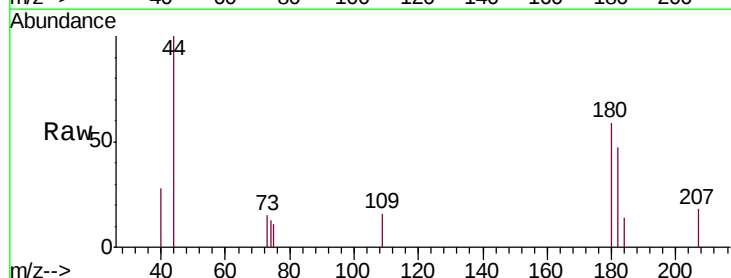
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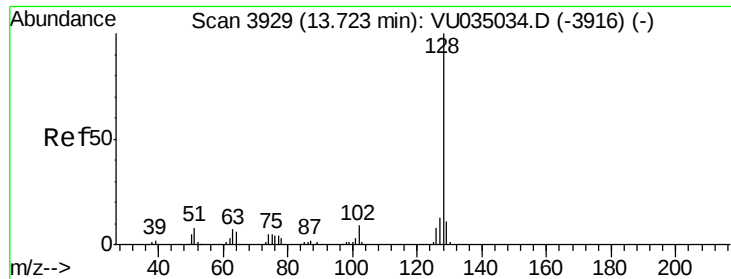
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#68
 1,2,4-trichlorobenzene
 Concen: 0.164 ug/L m
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.02 min
 Lab File: VU035040.D
 Acq: 10 Oct 2019 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	63.9	77.3	115.9#
145	6.7	24.5	36.7#





#69

Naphthalene

Concen: 0.159 ug/L m

RT: 13.76 min Scan# 3939

Delta R.T. 0.03 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Instrument :

MSVOA_U

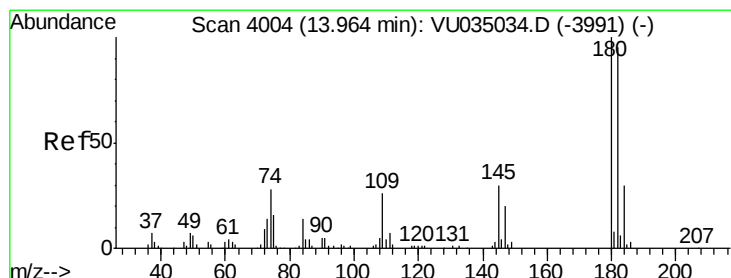
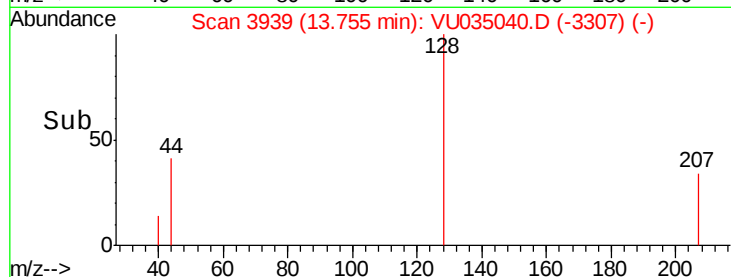
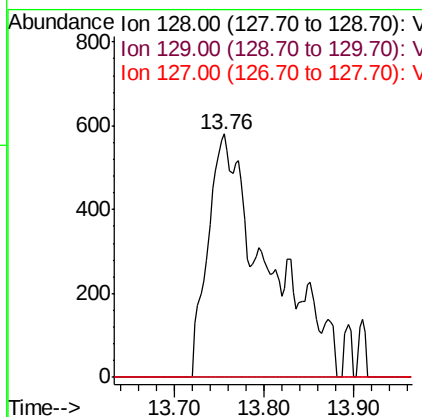
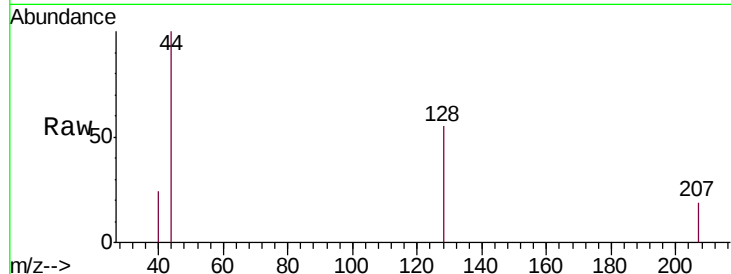
ClientSampled :

MDL05

Tgt Ion:	128	Resp:	2704
Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.6	15.8#

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#70

1,2,3-Trichlorobenzene

Concen: 0.239 ug/L m

RT: 13.98 min Scan# 4008

Delta R.T. 0.01 min

Lab File: VU035040.D

Acq: 10 Oct 2019 11:54

Tgt Ion:	180	Resp:	2544
Ion	Ratio	Lower	Upper
180	100		
182	25.5	77.0	115.4#
145	7.7	25.9	38.9#

