

Data File : VU035042.D
Acq On : 10 Oct 2019 12:43
Operator : JC/SP
Sample : MDL07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:32:30 AM

Quant Time: Oct 11 03:07:12 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	159592	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	163362	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	69372	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56717	6.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.20%
7) Chloroethane-d5	1.67	69	50790	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.26	63	82635	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.00%
20) 2-Butanone-d5	4.18	46	157658	56.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.50%
24) Chloroform-d	4.62	84	95462	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.29	65	57139	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.32	84	203359	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.31	67	69441	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.40%
41) Toluene-d8	7.55	98	183981	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.84	79	22276	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.30	63	111257	50.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.52%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56797	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	64079	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5253	0.360 ug/L	98
3) Chloromethane	1.32	50	6312	0.395 ug/L	93
5) Vinyl chloride	1.40	62	6037	0.384 ug/L #	80
6) Bromomethane	1.62	94	3496	0.400 ug/L	98
8) Chloroethane	1.69	64	3857	0.409 ug/L	90
9) Trichlorofluoromethane	1.88	101	7225	0.380 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4582	0.420 ug/L	90
12) 1,1-Dichloroethene	2.27	96	4675	0.456 ug/L #	1
13) Acetone	2.32	43	9775	4.296 ug/L	96
14) Carbon disulfide	2.47	76	12556	0.368 ug/L #	88
15) Methyl Acetate	2.61	43	2276	0.376 ug/L	93
16) Methylene chloride	2.68	84	6929	0.546 ug/L	86
17) Methyl tert-butyl Ether	2.98	73	10728	0.384 ug/L #	93
18) trans-1,2-Dichloroethene	2.96	96	3845	0.350 ug/L	90
19) 1,1-Dichloroethane	3.42	63	8182	0.375 ug/L	92
21) 2-Butanone	4.28	43	12177	3.758 ug/L	93
22) cis-1,2-Dichloroethene	4.21	96	4534	0.370 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	1959	0.382	ug/L	92
25) Chloroform	4.65	83	18066	0.737	ug/L	95
27) 1,2-Dichloroethane	5.39	62	4731	0.330	ug/L #	95
29) 1,1,1-Trichloroethane	4.89	97	6717	0.366	ug/L	99
30) Cyclohexane	4.97	56	6904	0.342	ug/L #	89
31) Carbon tetrachloride	5.11	117	5546	0.349	ug/L	95
33) Benzene	5.37	78	18246	0.371	ug/L	100
34) Trichloroethene	6.17	95	4351	0.343	ug/L	97
35) Methylcyclohexane	6.39	83	6587	0.320	ug/L	96
37) 1,2-Dichloropropane	6.41	63	5015	0.378	ug/L #	94
38) Bromodichloromethane	6.74	83	5632	0.362	ug/L	94
39) cis-1,3-Dichloropropene	7.25	75	5987	0.333	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	27671	3.312	ug/L #	85
42) Toluene	7.62	91	18177	0.354	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	4606m	0.331	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	3126	0.355	ug/L	86
47) Tetrachloroethene	8.21	164	3845	0.374	ug/L	89
48) 2-Hexanone	8.36	43	24880	4.344	ug/L #	93
49) Dibromochloromethane	8.46	129	3541	0.348	ug/L	93
50) 1,2-Dibromoethane	8.58	107	3063	0.364	ug/L #	91
51) Chlorobenzene	9.10	112	11877	0.357	ug/L	95
52) Ethylbenzene	9.23	91	18987	0.335	ug/L	96
53) m,p-Xylene	9.36	106	6974	0.333	ug/L	97
54) o-Xylene	9.76	106	6549	0.320	ug/L	94
55) Styrene	9.78	104	9886	0.298	ug/L	92
56) Isopropylbenzene	10.15	105	16963	0.311	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	4693	0.392	ug/L #	85
59) 1,2,3-Trichloropropane	10.48	75	3221	0.375	ug/L	99
61) Bromoform	9.94	173	1563	0.328	ug/L #	81
62) 1,3-Dichlorobenzene	11.40	146	7641	0.358	ug/L	96
63) 1,4-Dichlorobenzene	11.49	146	8405	0.390	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	8082	0.392	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.65	75	358m	0.273	ug/L	
67) 1,3,5-Trichlorobenzene	12.87	180	4112	0.284	ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	1876m	0.174	ug/L	
69) Naphthalene	13.76	128	2547m	0.152	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2458m	0.234	ug/L	

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

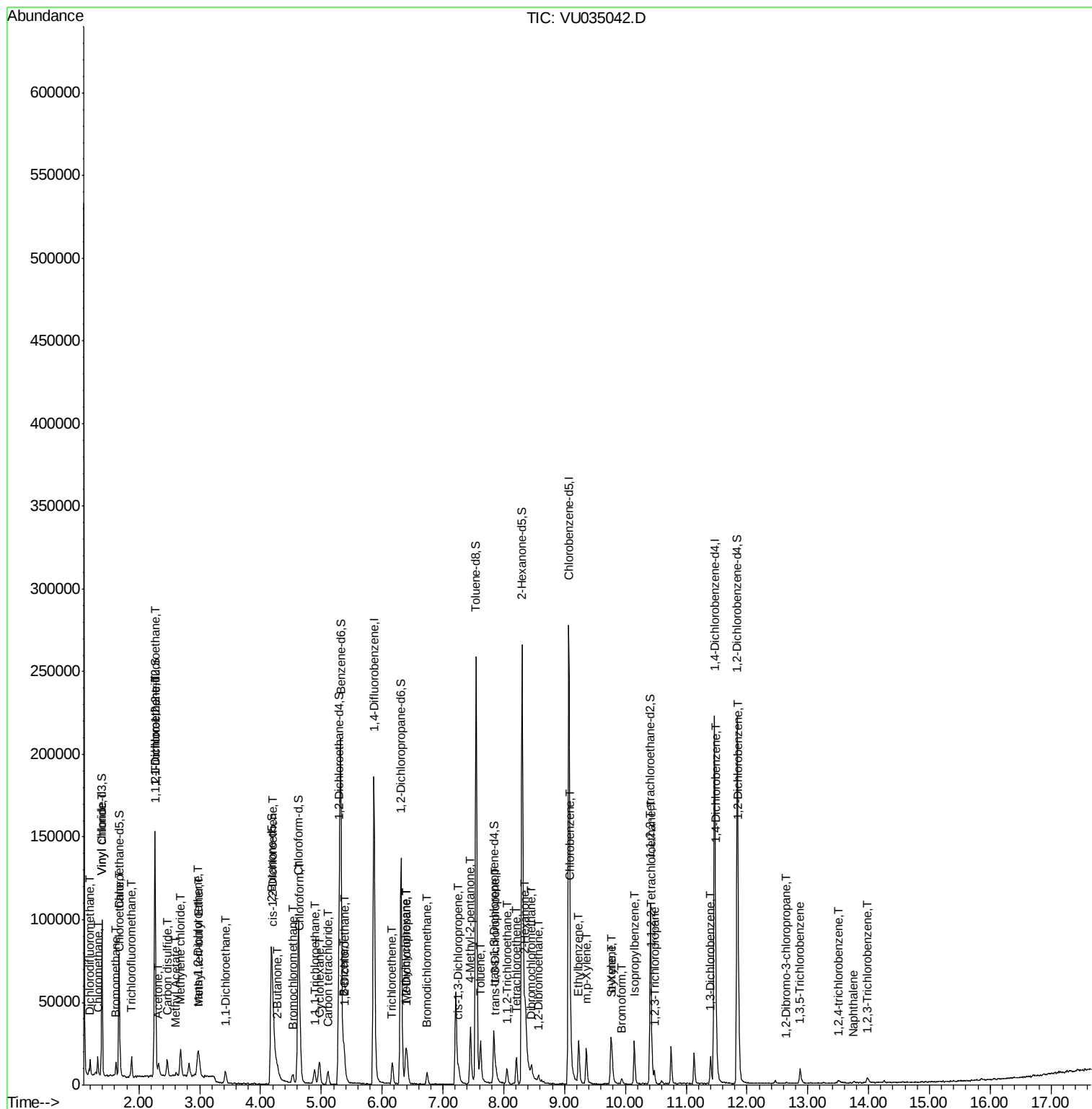
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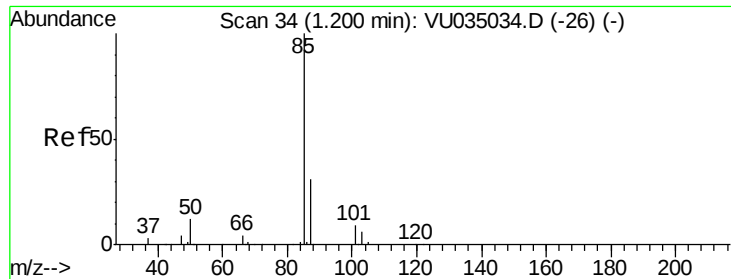
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#2

Dichlorodifluoromethane

Concen: 0.360 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion: 85 Resp: 5253

Ion Ratio Lower Upper

85 100

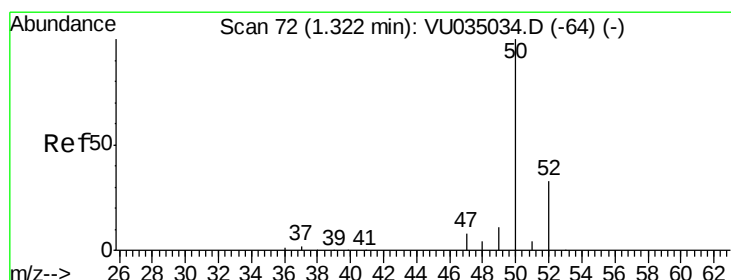
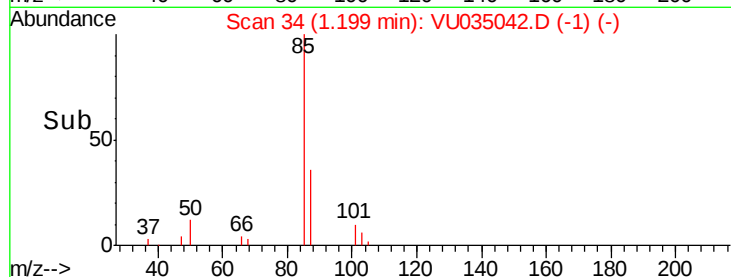
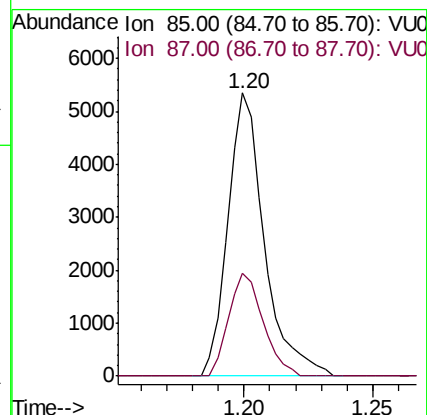
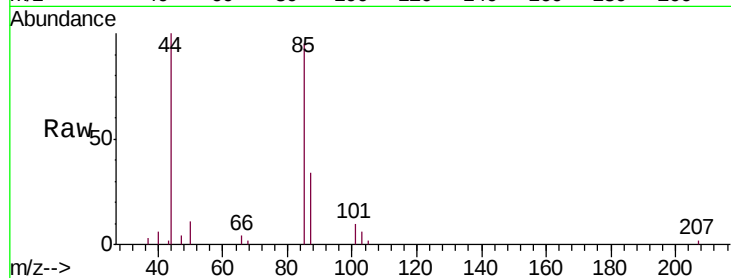
87 34.2 26.3 39.5

Manual Integrations

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#3

Chloromethane

Concen: 0.395 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035042.D

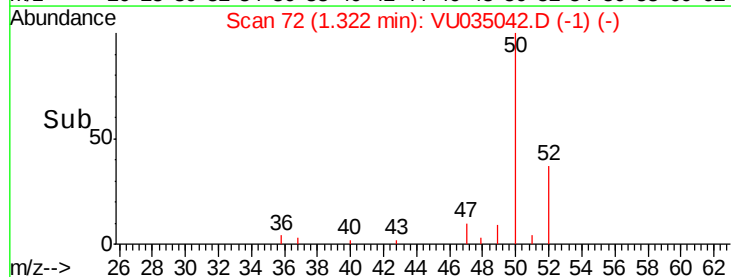
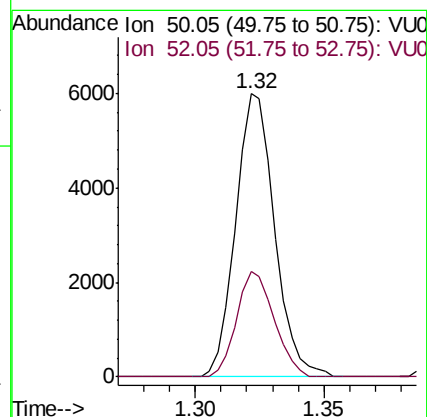
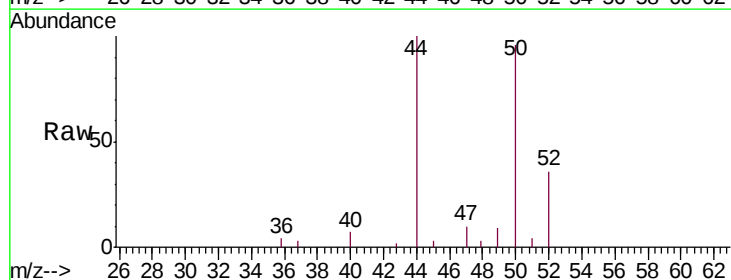
Acq: 10 Oct 2019 12:43

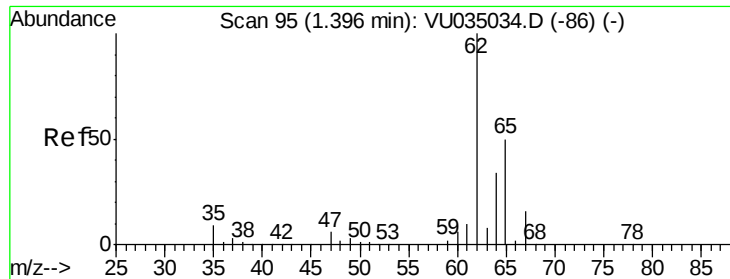
Tgt Ion: 50 Resp: 6312

Ion Ratio Lower Upper

50 100

52 37.2 23.3 43.3





#5

Vinyl chloride

Concen: 0.384 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion: 62 Resp: 6037

Ion Ratio Lower Upper

62 100

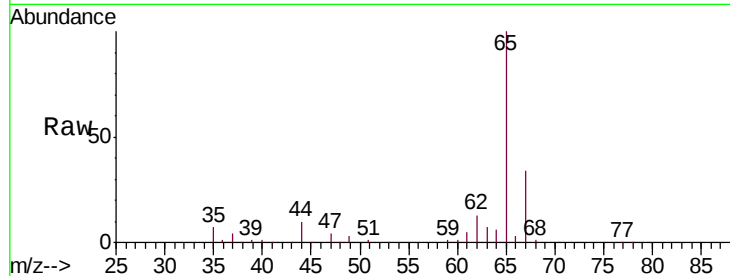
64 43.9 22.8 42.4#

Manual Integrations

APPROVED

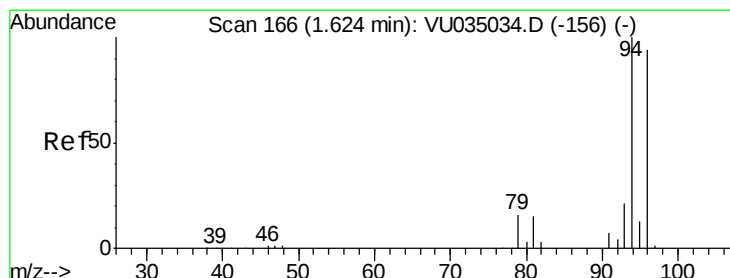
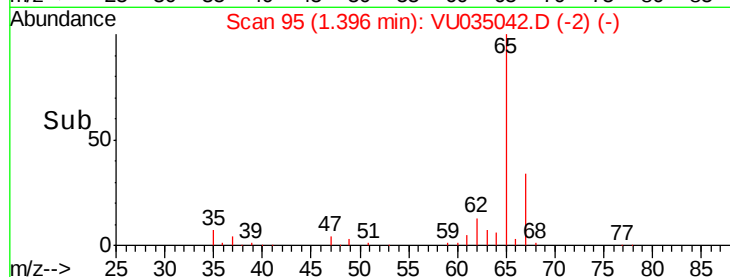
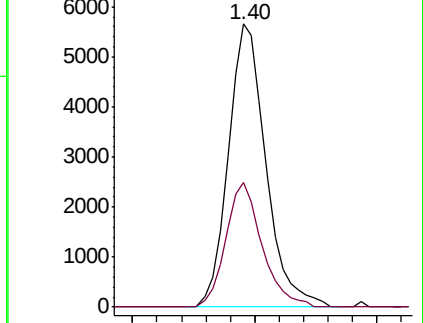
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Abundance Ion 62.00 (61.70 to 62.70): VU035034.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU035034.D (-86) (-)



#6

Bromomethane

Concen: 0.400 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035042.D

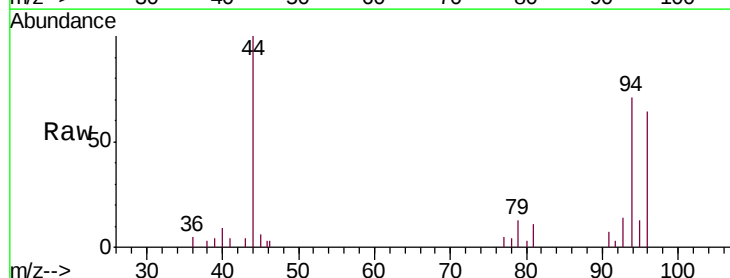
Acq: 10 Oct 2019 12:43

Tgt Ion: 94 Resp: 3496

Ion Ratio Lower Upper

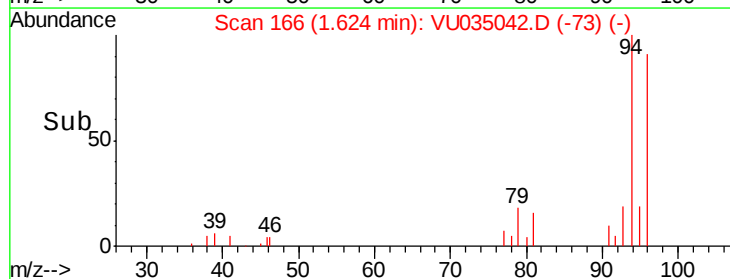
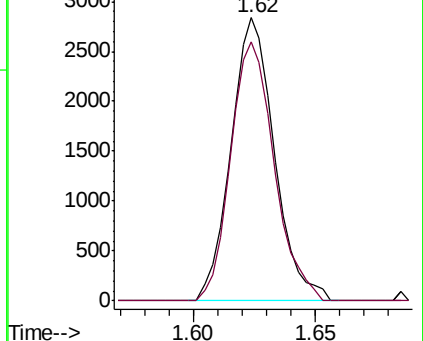
94 100

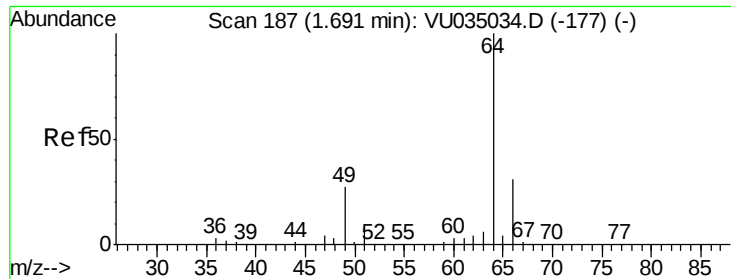
96 91.4 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035034.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035034.D (-156) (-)





#8

Chloroethane

Concen: 0.409 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tgt Ion: 64 Resp: 3857

Ion Ratio Lower Upper

64 100

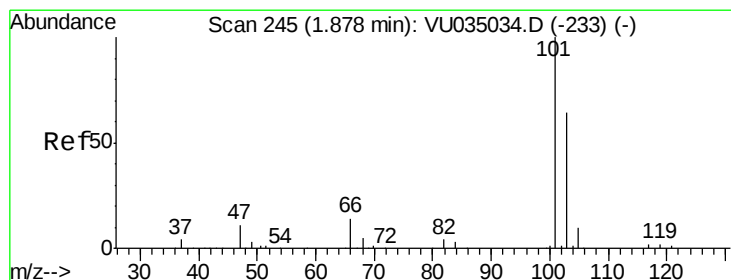
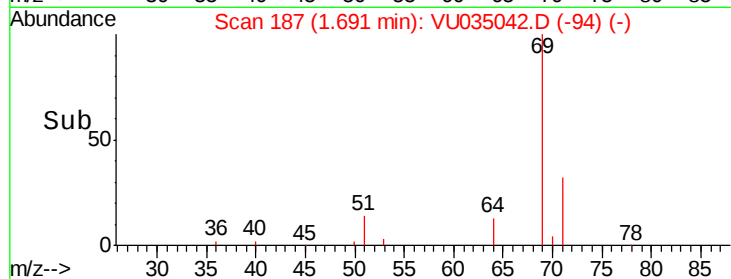
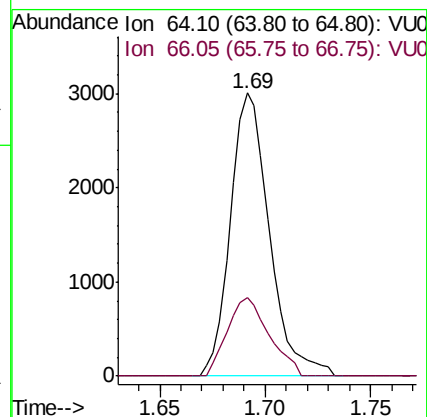
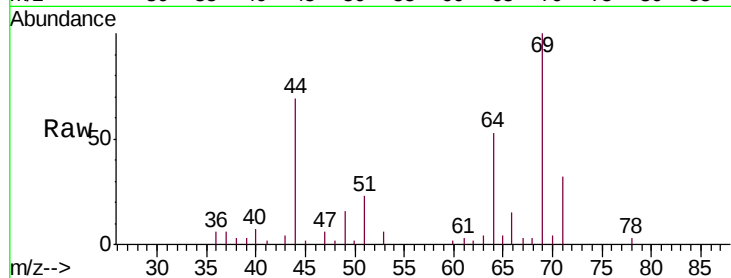
66 27.8 23.2 43.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.380 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035042.D

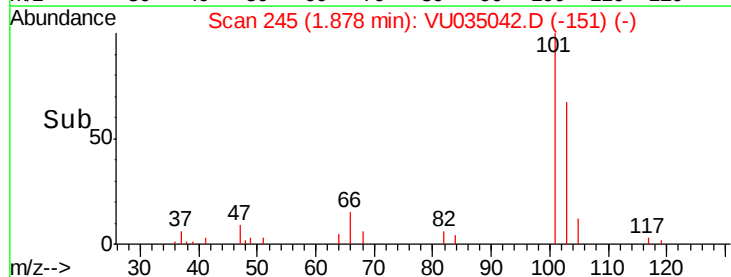
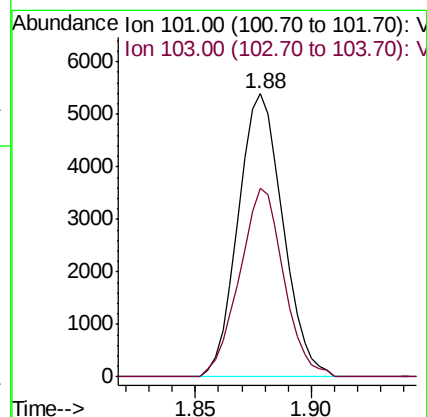
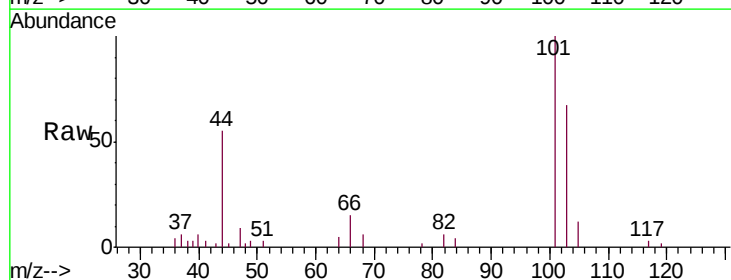
Acq: 10 Oct 2019 12:43

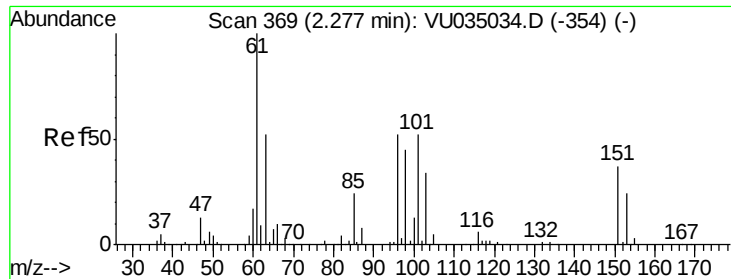
Tgt Ion: 101 Resp: 7225

Ion Ratio Lower Upper

101 100

103 66.1 52.2 78.4





#10

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

Concen: 0.420 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

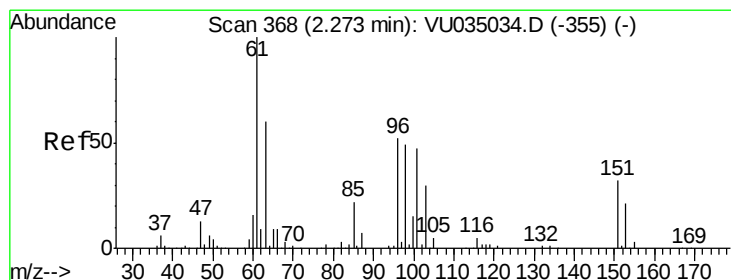
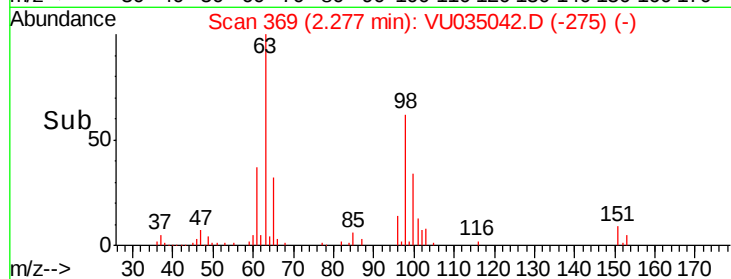
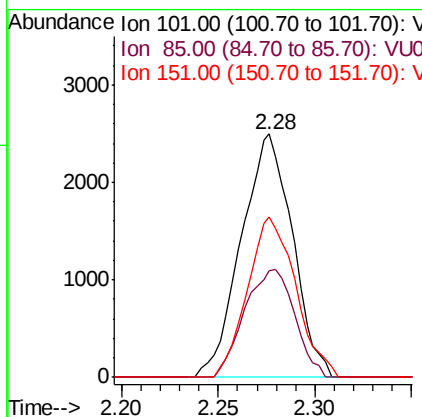
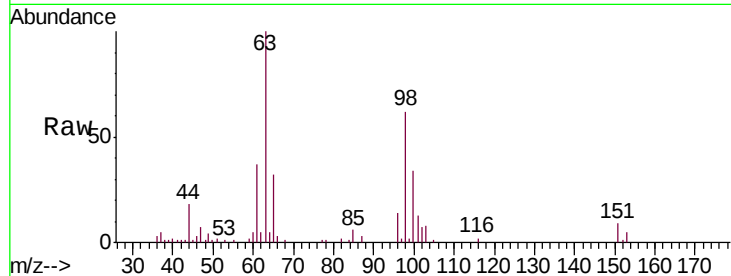
ClientSampleId :

MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	4582		
85	43.4		37.4	56.0
151	62.2		58.6	87.8

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#12

1,1-Dichloroethene

Concen: 0.456 ug/L

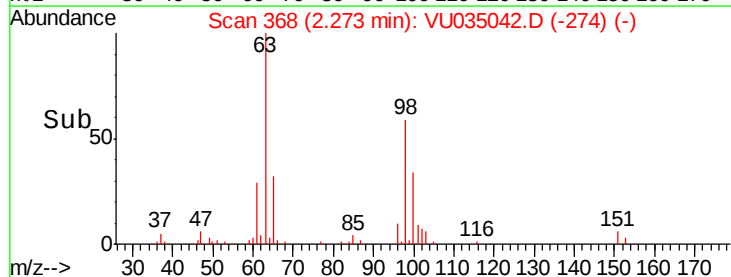
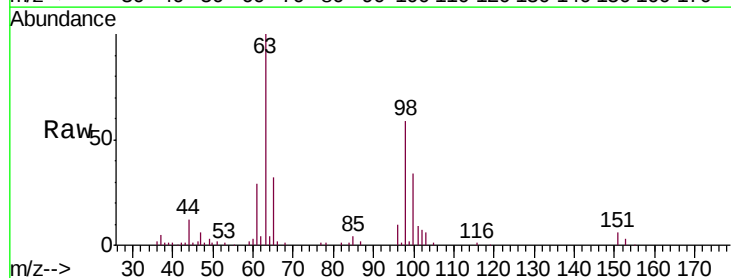
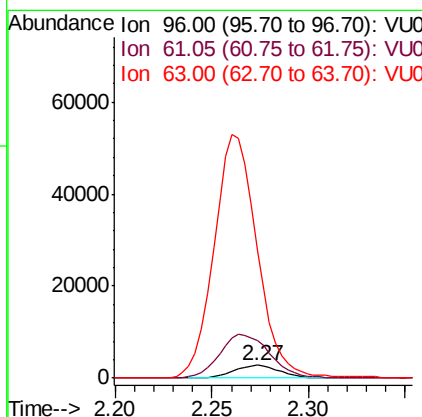
RT: 2.27 min Scan# 368

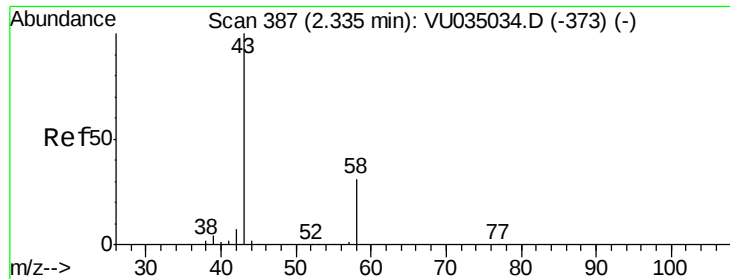
Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	4675		
61	286.1		129.3	240.1#
63	979.5		108.9	202.3#





#13

Acetone

Concen: 4.296 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion: 43 Resp: 9775

Ion Ratio Lower Upper

43 100

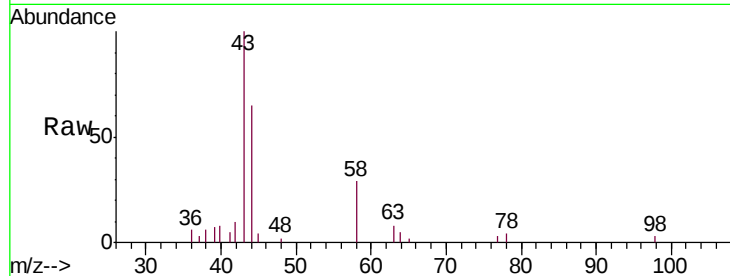
58 31.2 0.0 66.6

Manual Integrations

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10/11/2019 8:32:30 AM



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

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

2.32

5000

4000

3000

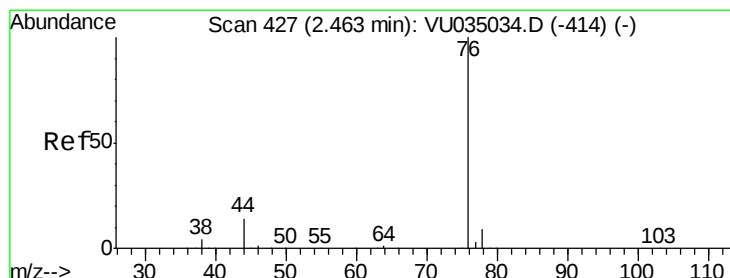
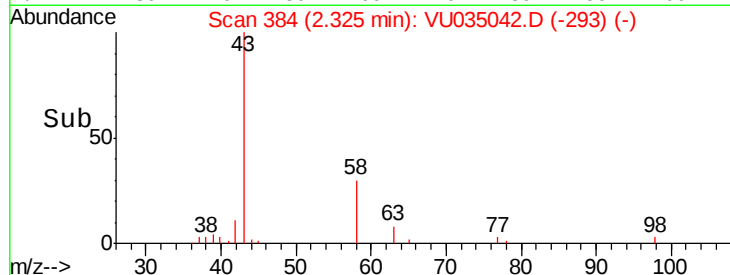
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 0.368 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035042.D

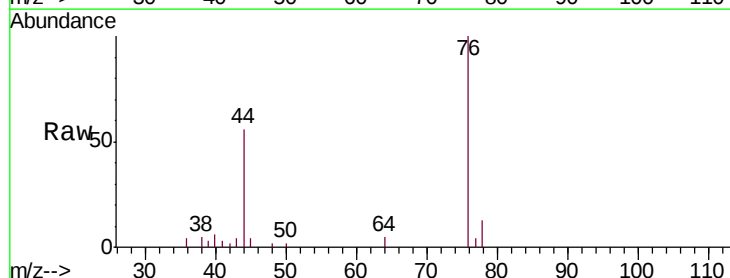
Acq: 10 Oct 2019 12:43

Tgt Ion: 76 Resp: 12556

Ion Ratio Lower Upper

76 100

78 13.2 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

8000

6000

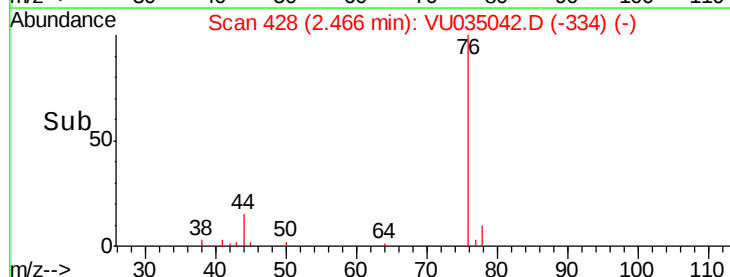
4000

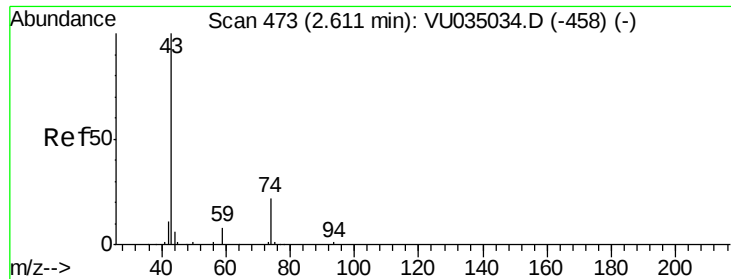
2000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 0.376 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

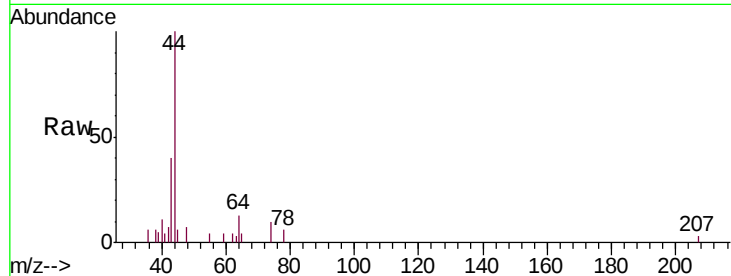
74 18.8 17.8 26.8

Manual Integrations

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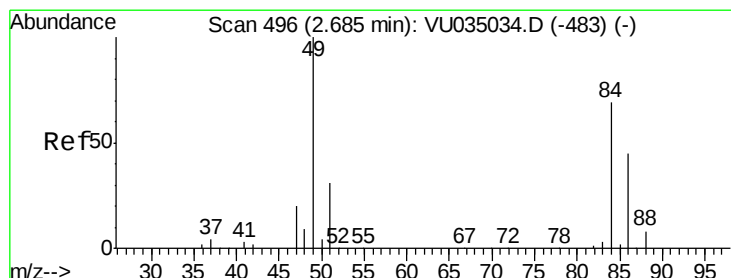
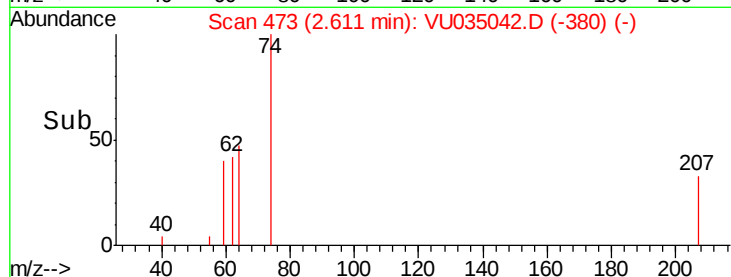
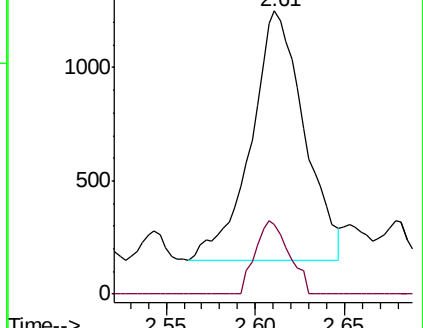
MMDadoda

10/11/2019 8:32:30 AM



Abundance Ion 43.05 (42.75 to 43.75): VU035034.D (-458) (-)

Ion 74.05 (73.75 to 74.75): VU035034.D (-458) (-)



#16

Methylene chloride

Concen: 0.546 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

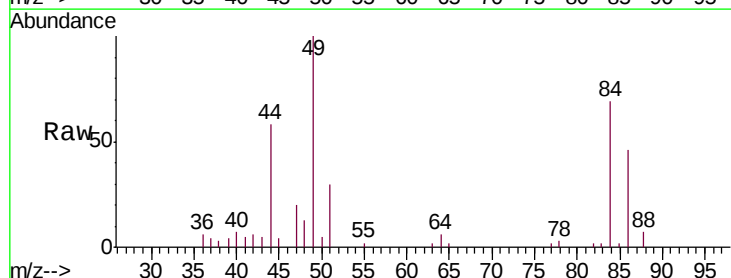
Tgt Ion: 84 Resp: 6929

Ion Ratio Lower Upper

84 100

86 66.4 42.5 78.9

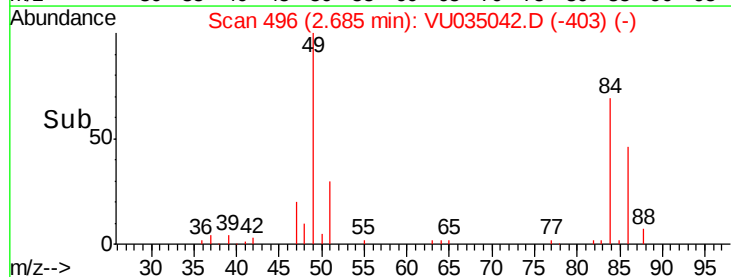
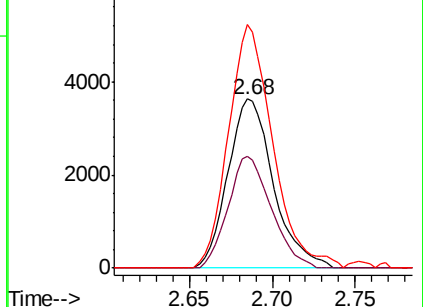
49 144.0 86.9 161.3

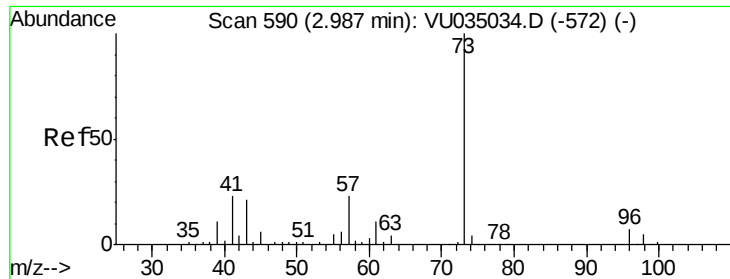


Abundance Ion 84.05 (83.75 to 84.75): VU035034.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU035034.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU035034.D (-483) (-)





#17

Methyl tert-butyl Ether

Concen: 0.384 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

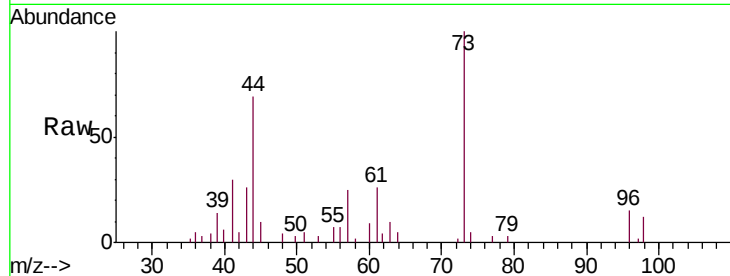
ClientSampleId :

MDL07

Tgt Ion:	73	Resp:	10728
Ion	Ratio	Lower	Upper
73	100		
43	25.4	16.3	24.5#
57	24.7	18.6	28.0

Manual Integrations
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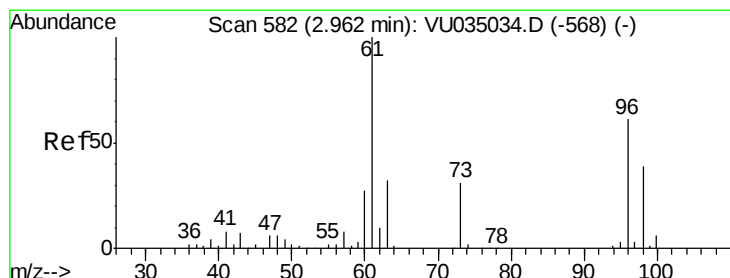
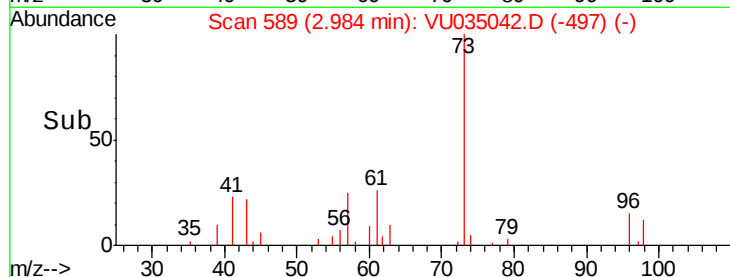


Abundance Ion 73.10 (72.80 to 73.80): VU035034.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU035034.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU035034.D (-572) (-)

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.350 ug/L

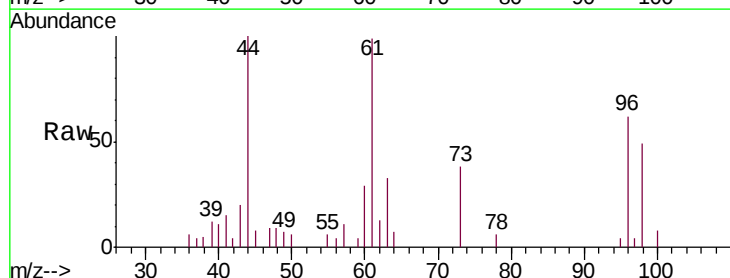
RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Tgt Ion:	96	Resp:	3845
Ion	Ratio	Lower	Upper
96	100		
61	160.4	107.1	198.9
98	79.4	45.4	84.4

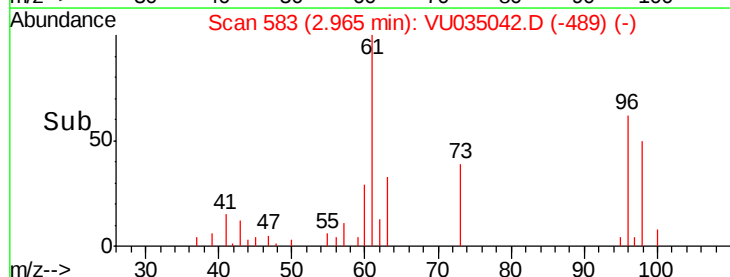


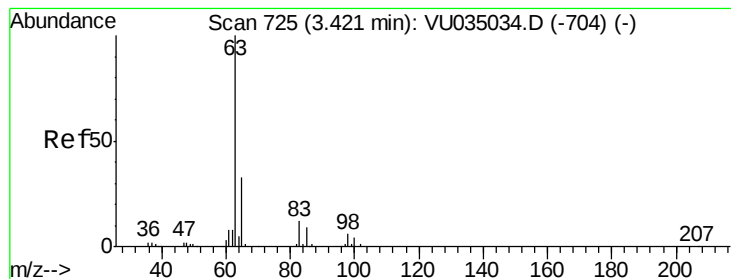
Abundance Ion 96.00 (95.70 to 96.70): VU035034.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU035034.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU035034.D (-568) (-)

Time-->





#19

1,1-Dichloroethane

Concen: 0.375 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

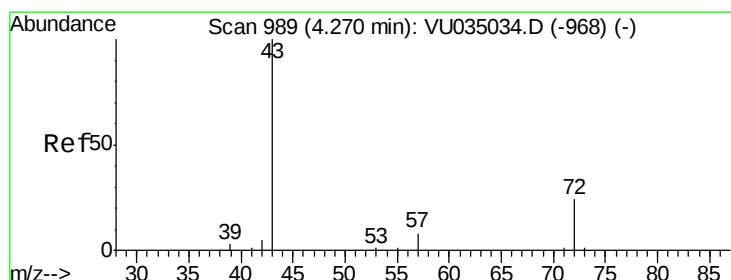
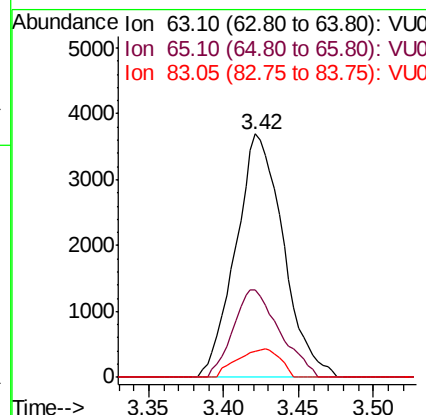
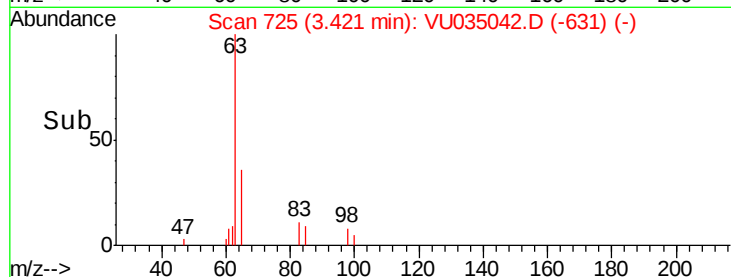
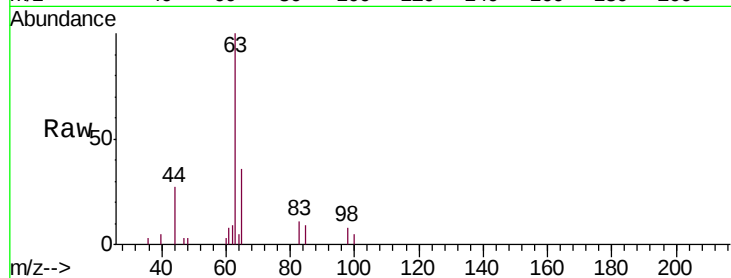
ClientSampled :

MDL07

Tgt Ion:	63	Resp:	8182
Ion	Ratio	Lower	Upper
63	100		
65	35.7	21.7	40.3
83	10.5	9.0	16.8

Manual Integrations
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10/11/2019 8:32:30 AM



#21

2-Butanone

Concen: 3.758 ug/L

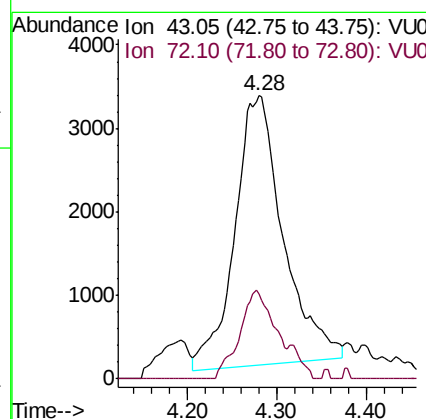
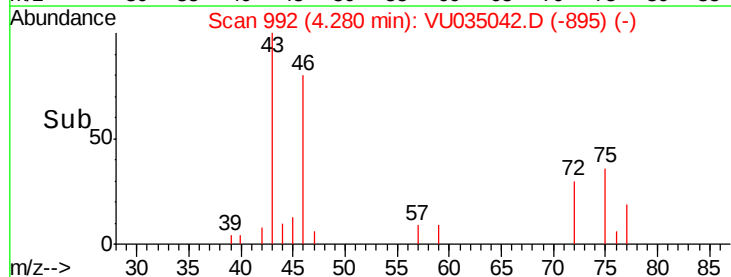
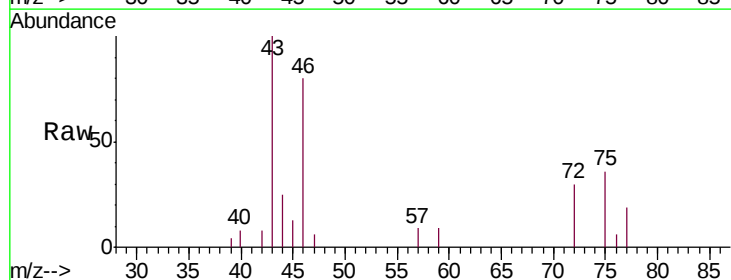
RT: 4.28 min Scan# 992

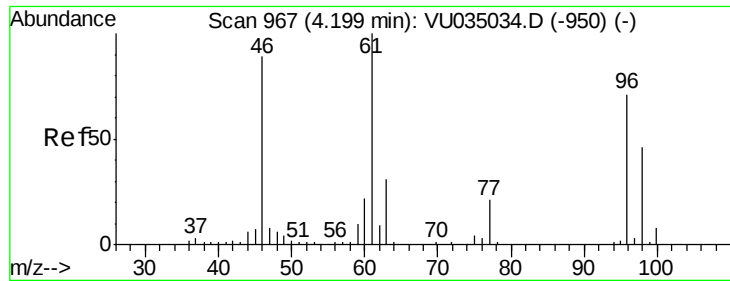
Delta R.T. 0.01 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Tgt Ion:	43	Resp:	12177
Ion	Ratio	Lower	Upper
43	100		
72	23.5	13.5	40.4





#22

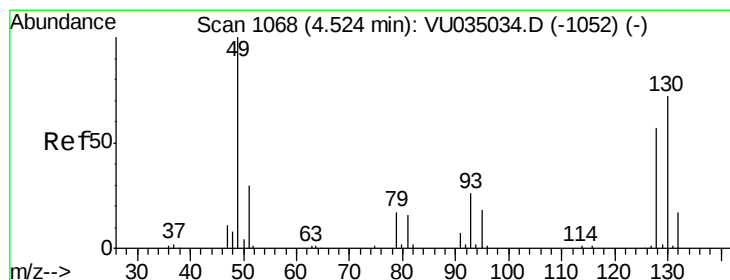
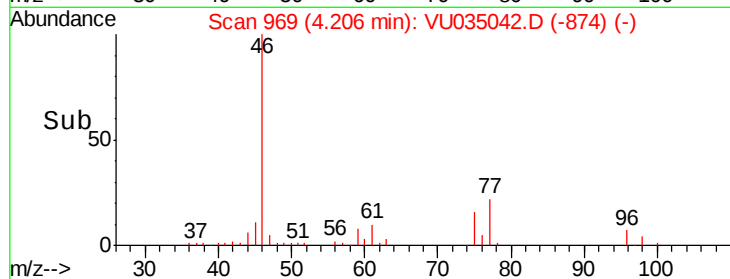
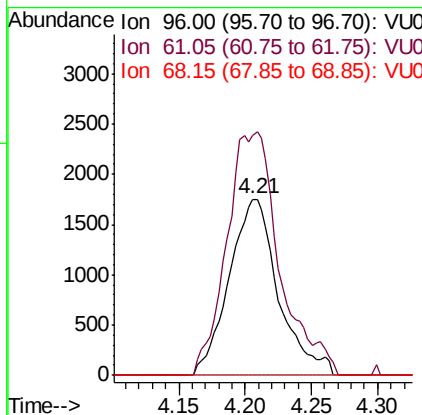
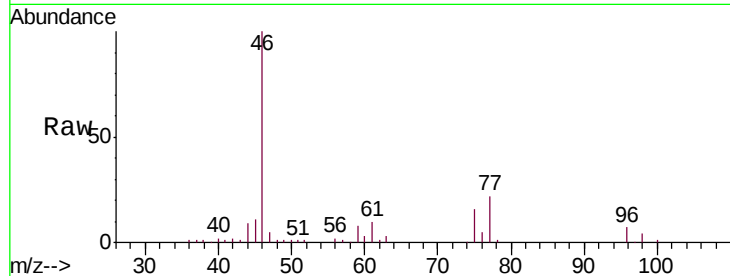
cis-1,2-Dichloroethene
 Concen: 0.370 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.8	89.2	165.6
68	0.0	0.0	0.0

Manual Integrations
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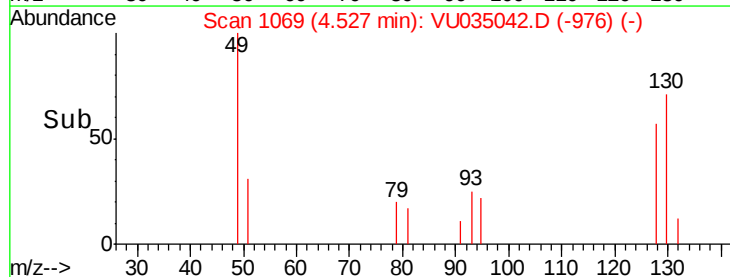
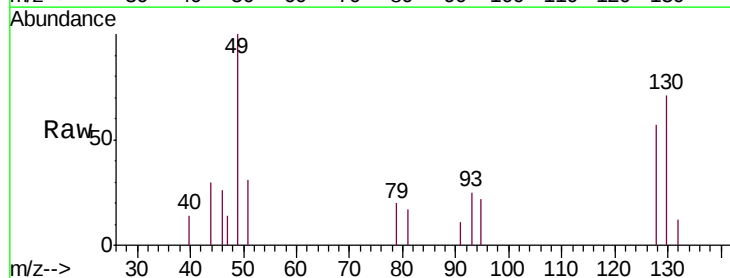
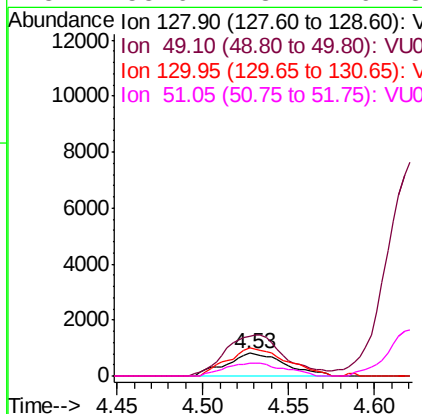
MMDadoda
 10/11/2019 8:32:30 AM

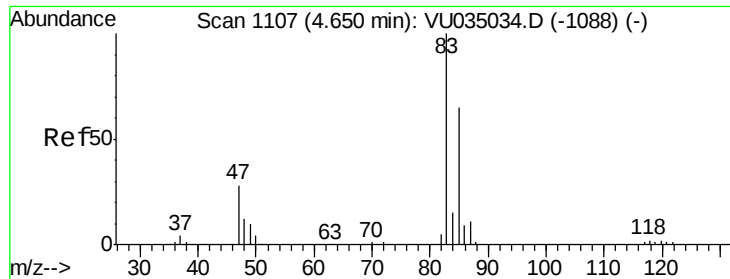


#23

Bromochloromethane
 Concen: 0.382 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	177.0	110.5	205.3
130	125.1	88.6	164.6
51	55.6	43.2	64.8





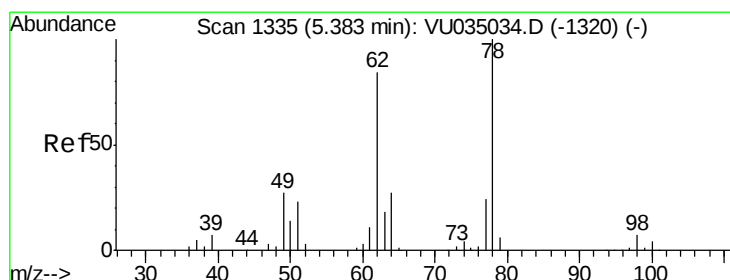
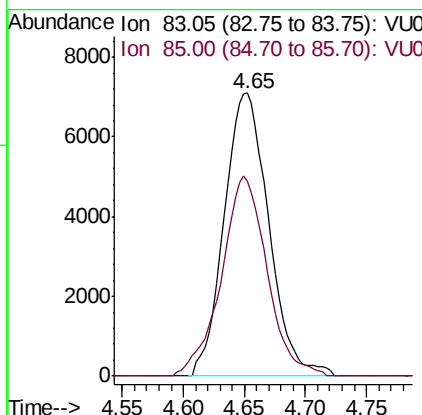
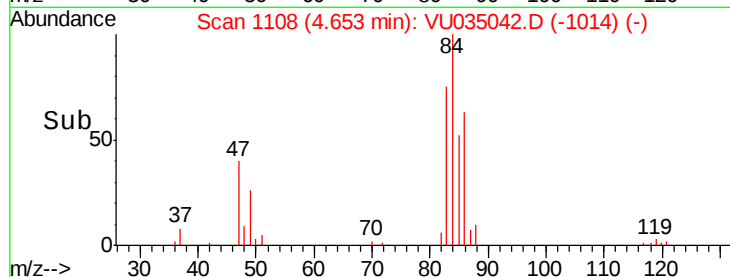
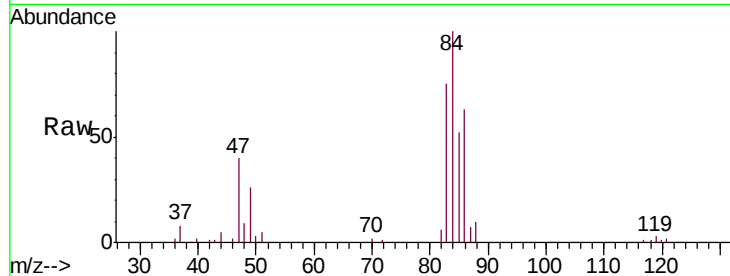
#25
Chloroform
Concen: 0.737 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion: 83 Resp: 18066
Ion Ratio Lower Upper
83 100
85 69.0 45.4 84.4

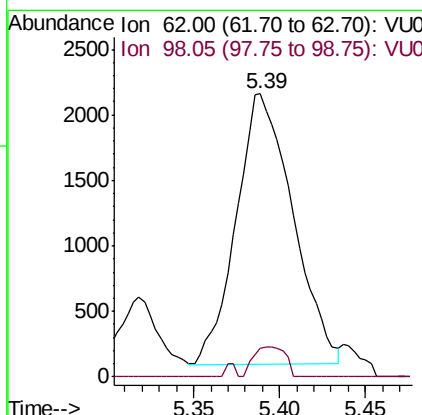
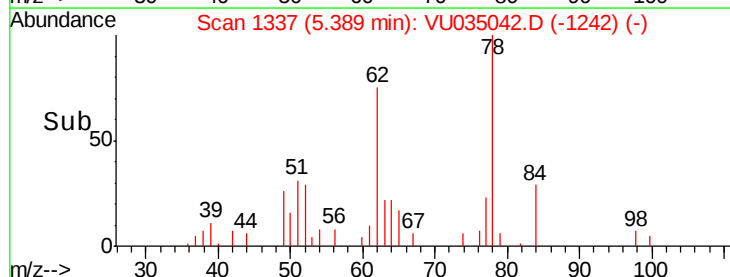
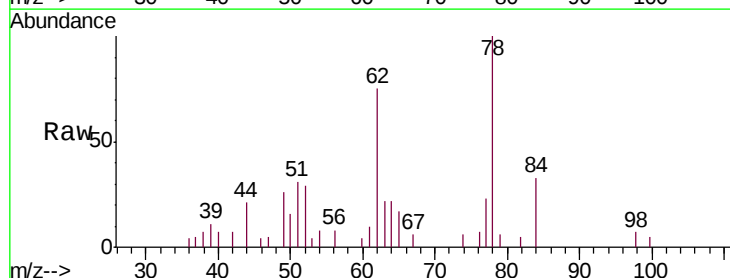
Manual Integrations
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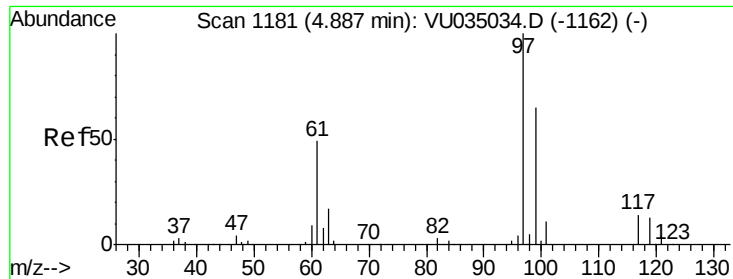
MMDadoda
10/11/2019 8:32:30 AM



#27
1,2-Dichloroethane
Concen: 0.330 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion: 62 Resp: 4731
Ion Ratio Lower Upper
62 100
98 10.0 6.6 10.0#





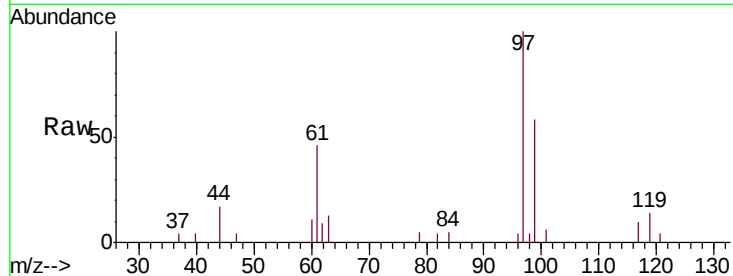
#29
1,1,1-Trichloroethane
Concen: 0.366 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	46.6	36.2	54.4

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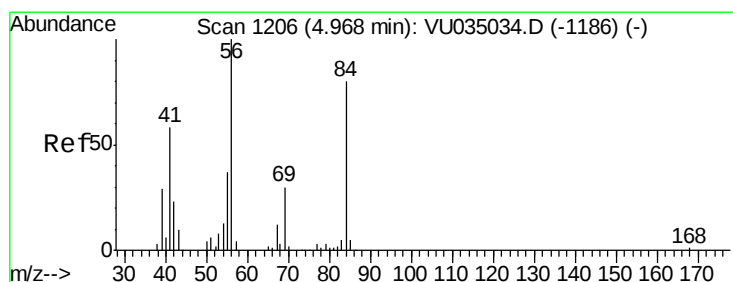
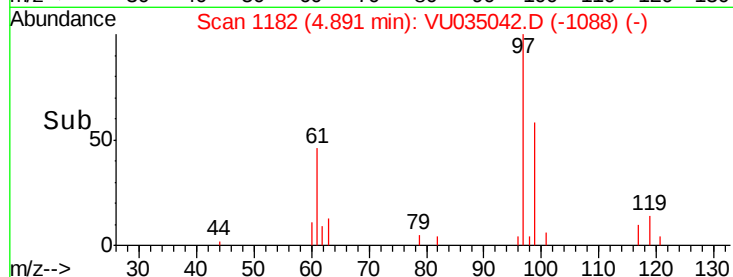
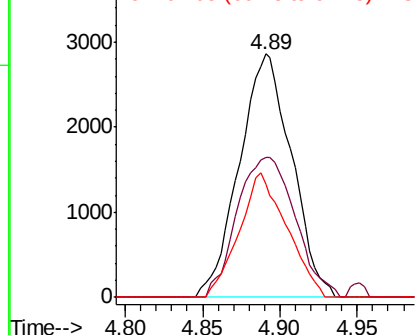


Abundance

Ion 96.95 (96.65 to 97.65): VU035042.D (-1162) (-)

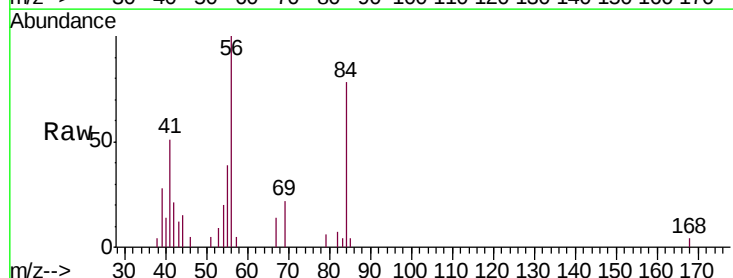
Ion 99.05 (98.75 to 99.75): VU035042.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU035042.D (-1162) (-)



#30
Cyclohexane
Concen: 0.342 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	15.3	23.9	35.9#
84	81.8	69.5	104.3

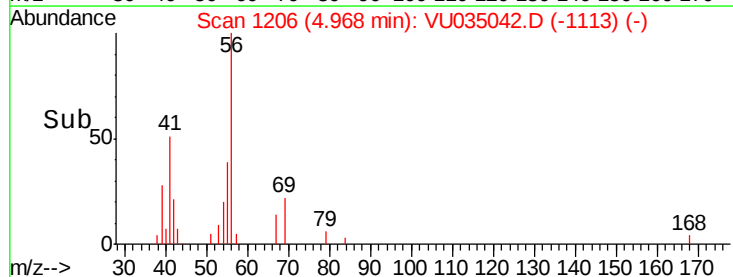
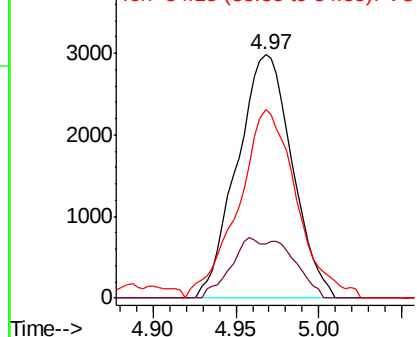


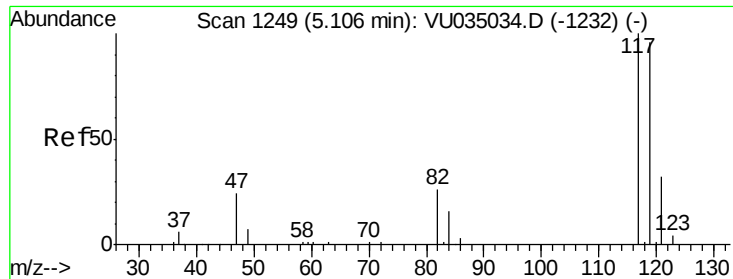
Abundance

Ion 56.10 (55.80 to 56.80): VU035042.D (-1186) (-)

Ion 69.15 (68.85 to 69.85): VU035042.D (-1186) (-)

Ion 84.15 (83.85 to 84.85): VU035042.D (-1186) (-)





#31

Carbon tetrachloride

Concen: 0.349 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion:117 Resp: 5546

Ion Ratio Lower Upper

117 100

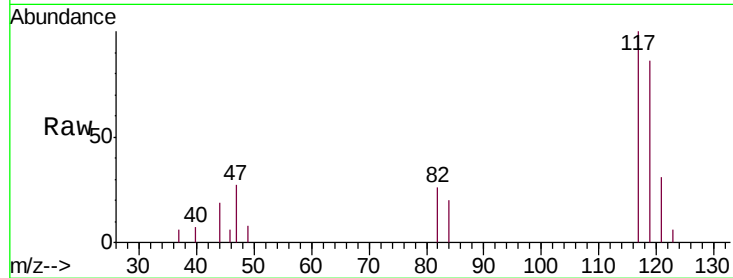
119 91.8 77.5 116.3

Manual Integrations

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

2500

2000

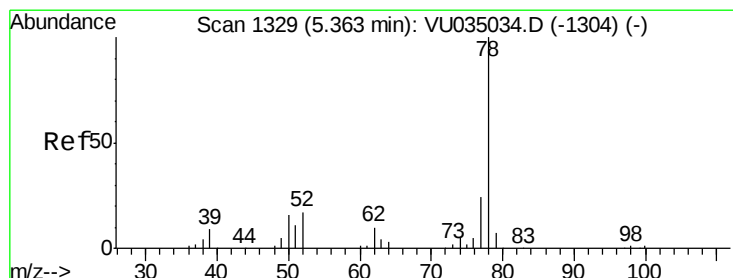
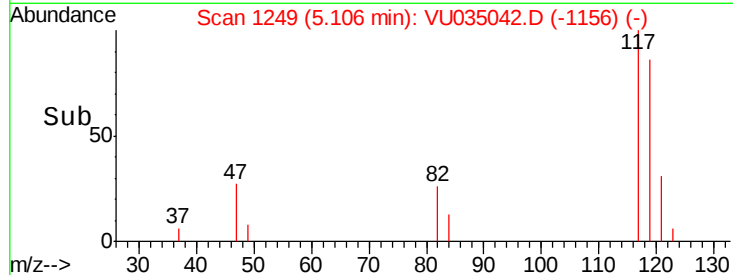
1500

1000

500

0

Time-->



#33

Benzene

Concen: 0.371 ug/L

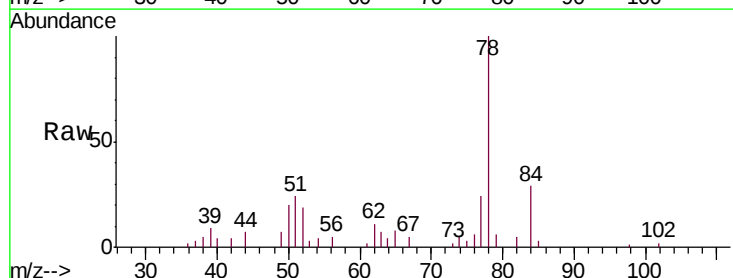
RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Tgt Ion: 78 Resp: 18246



Abundance Ion 78.10 (77.80 to 78.80): VU0

8000

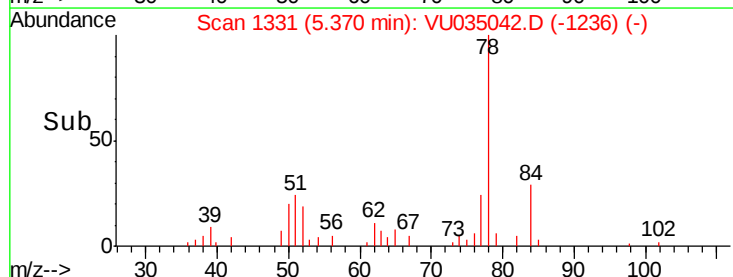
6000

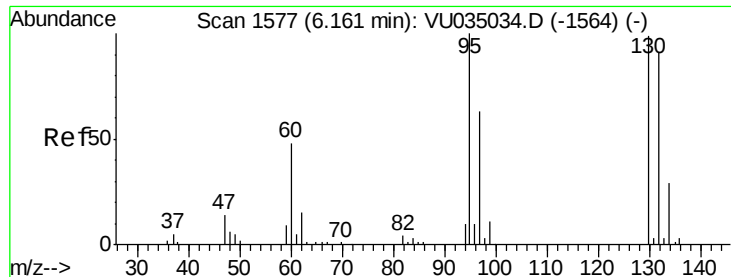
4000

2000

0

Time-->





#34

Trichloroethene

Concen: 0.343 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

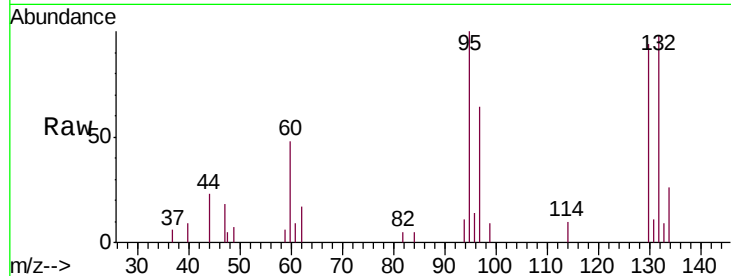
ClientSampled :

MDL07

Tgt Ion:	95	Resp:	4351
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.5	82.7
132	98.0	66.6	123.8
130	94.3	68.9	127.9

Manual Integrations
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10/11/2019 8:32:30 AM

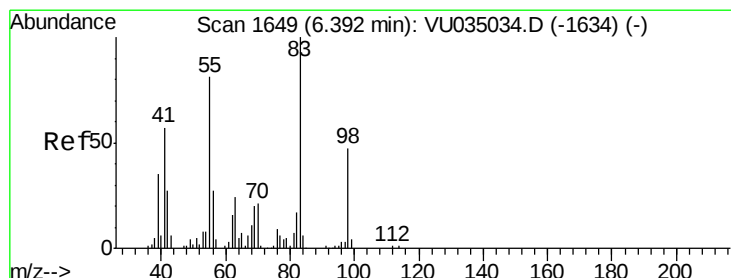
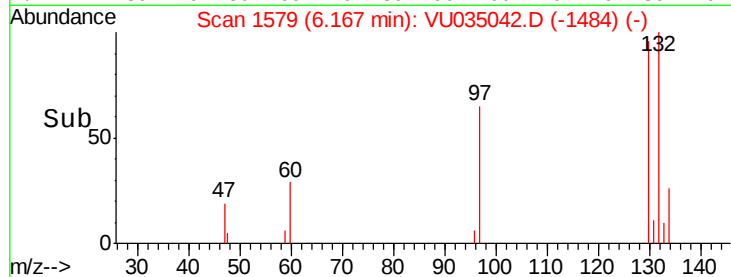
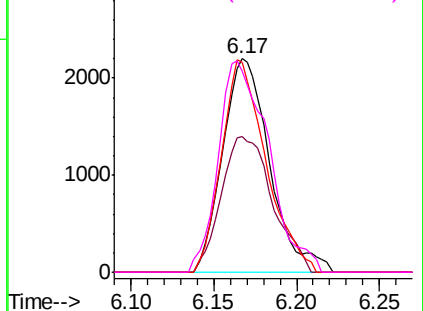


Abundance Ion 95.00 (94.70 to 95.70): VU035042.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035042.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035042.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035042.D (-1564) (-)



#35

Methylcyclohexane

Concen: 0.320 ug/L

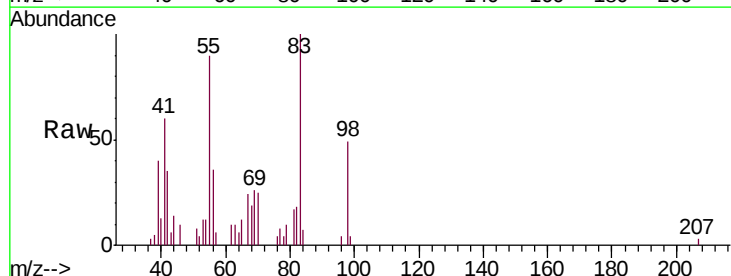
RT: 6.39 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

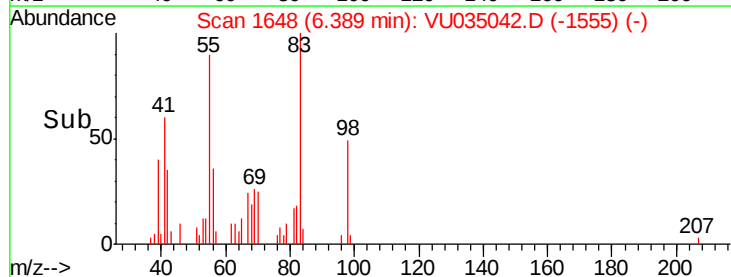
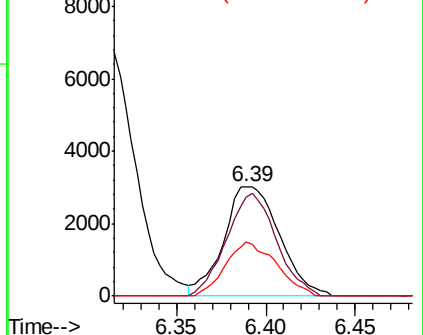
Tgt Ion:	83	Resp:	6587
Ion	Ratio	Lower	Upper
83	100		
55	84.1	62.6	94.0
98	45.0	36.2	54.2

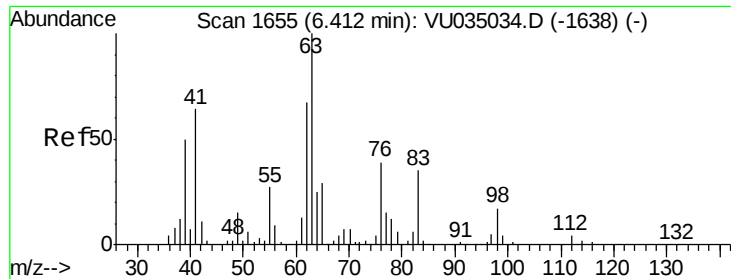


Abundance Ion 83.15 (82.85 to 83.85): VU035042.D (-1555) (-)

Ion 55.10 (54.80 to 55.80): VU035042.D (-1555) (-)

Ion 98.15 (97.85 to 98.85): VU035042.D (-1555) (-)





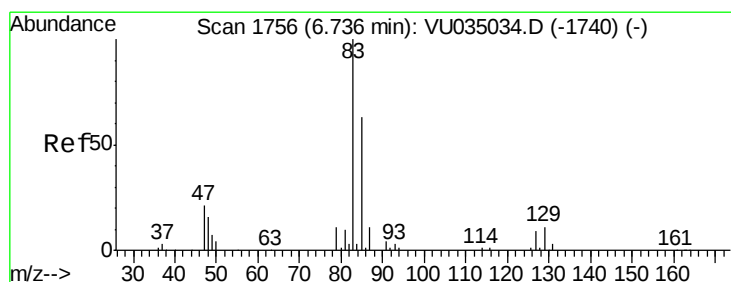
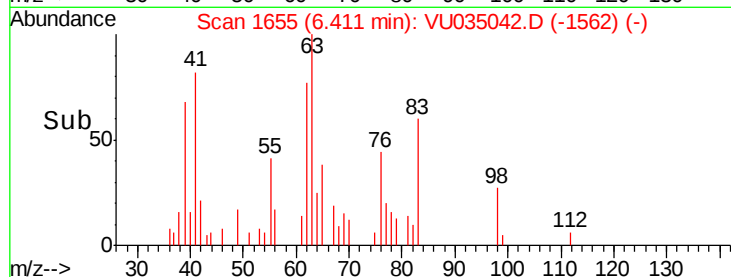
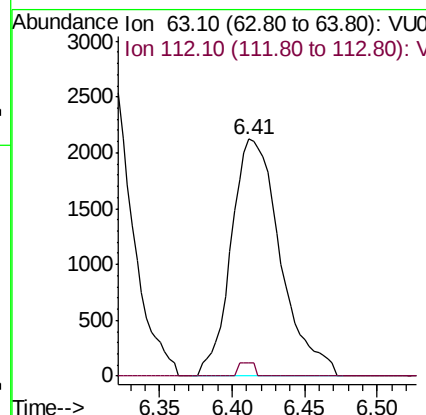
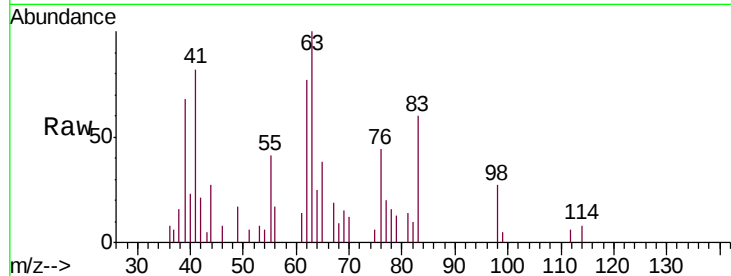
#37
 1,2-Dichloropropane
 Concen: 0.378 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion: 63 Resp: 5015
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.1 4.7#

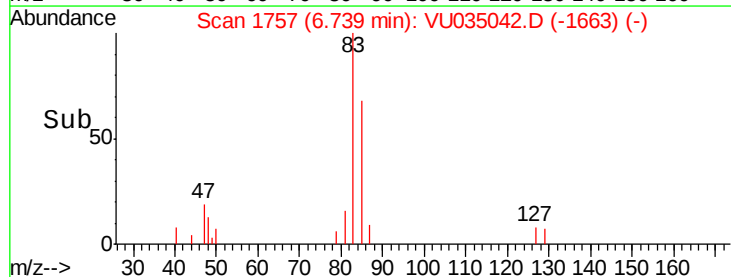
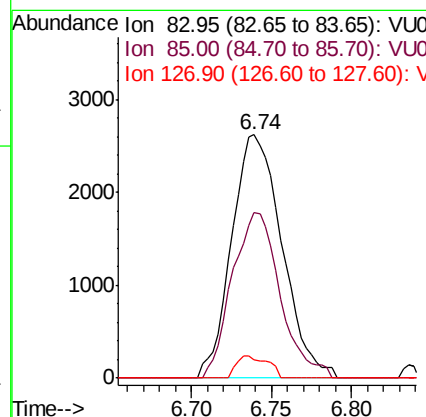
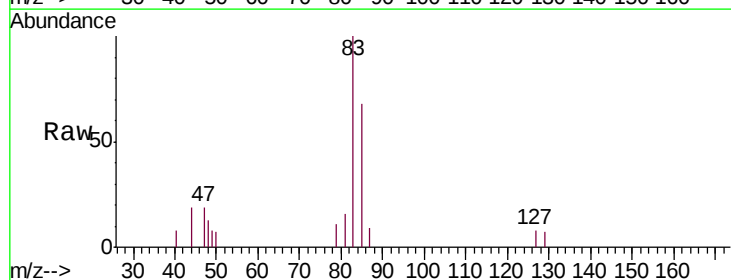
Manual Integrations
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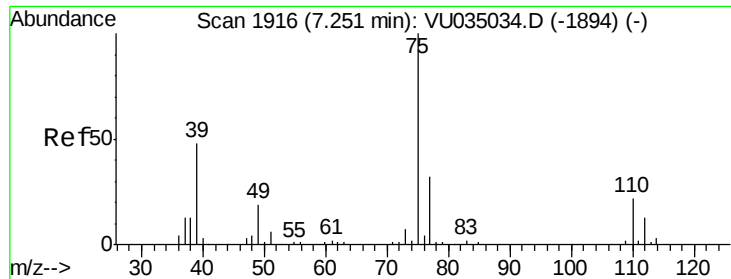
MMDadoda
 10/11/2019 8:32:30 AM



#38
 Bromodichloromethane
 Concen: 0.362 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Tgt Ion: 83 Resp: 5632
 Ion Ratio Lower Upper
 83 100
 85 67.8 44.0 81.8
 127 7.7 7.0 10.4





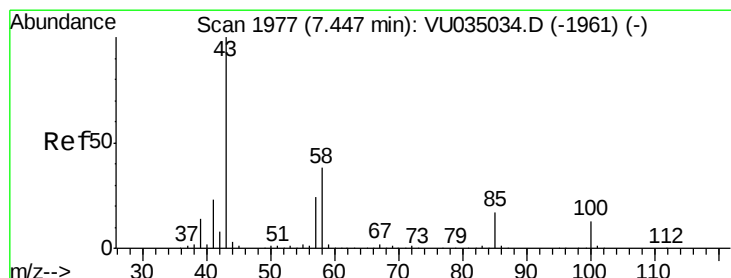
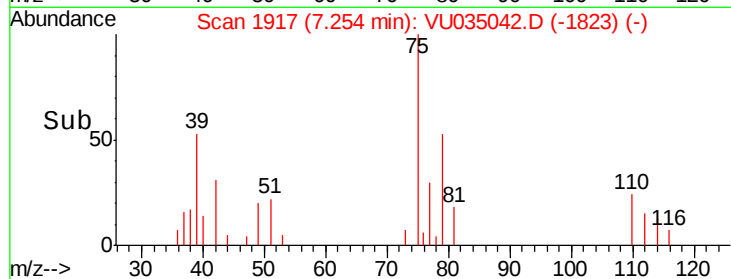
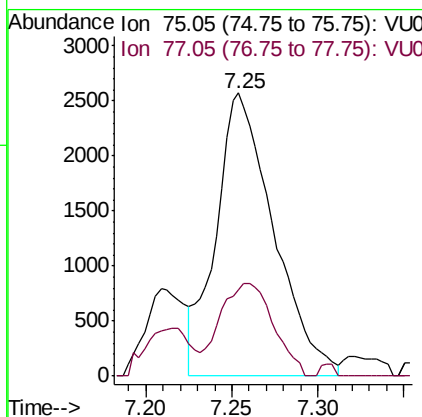
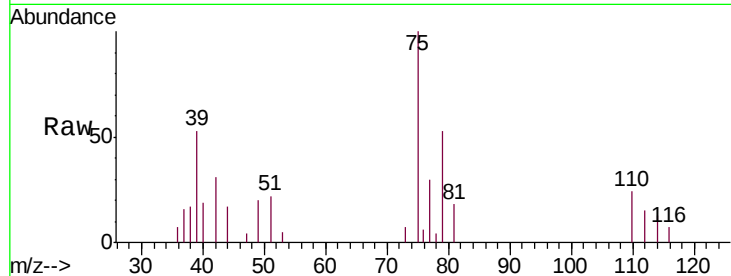
#39
 cis-1,3-Dichloropropene
 Concen: 0.333 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tgt Ion: 75 Resp: 5987
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.1 41.1

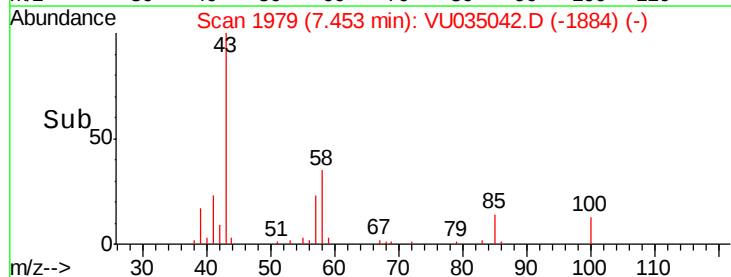
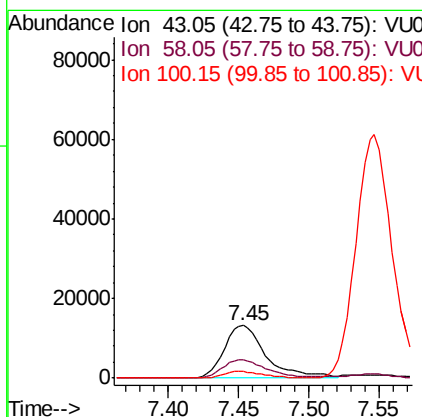
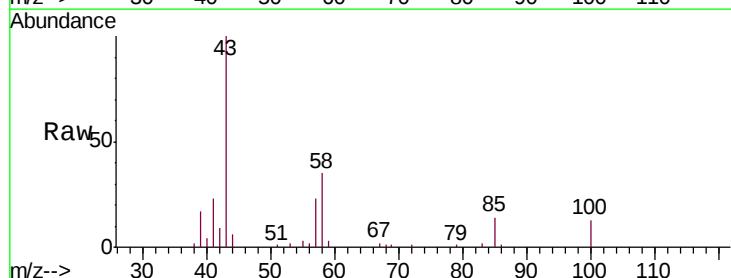
Manual Integrations
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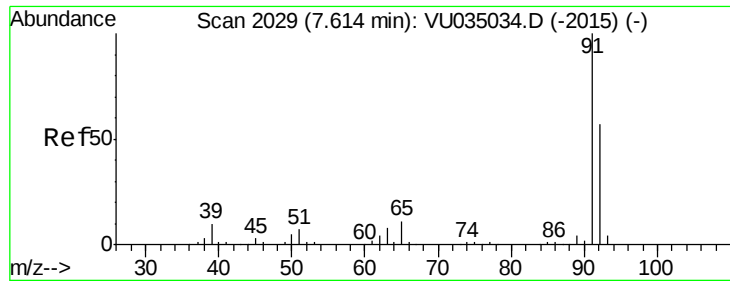
MMDadoda
 10/11/2019 8:32:30 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.312 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Tgt Ion: 43 Resp: 27671
 Ion Ratio Lower Upper
 43 100
 58 36.4 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.354 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion: 91 Resp: 18177

Ion Ratio Lower Upper

91 100

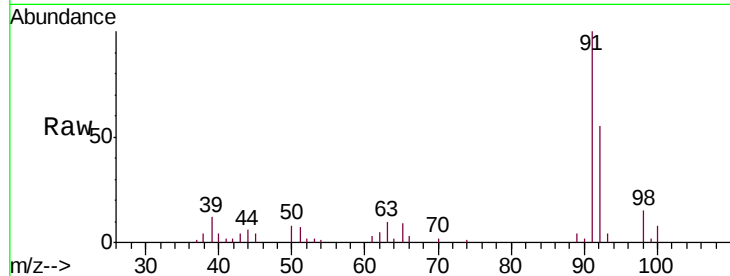
92 54.9 40.0 74.2

Manual Integrations

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Abundance Ion 91.15 (90.85 to 91.85): VU035034.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035034.D (-2015) (-)

7.62

10000

8000

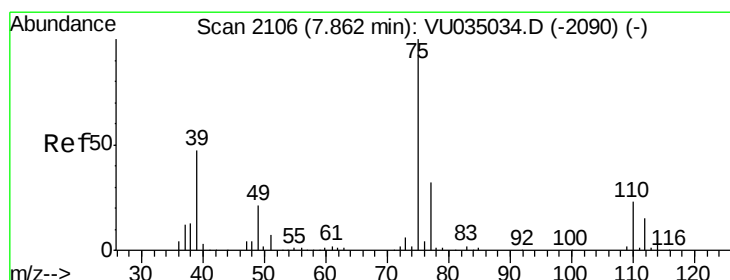
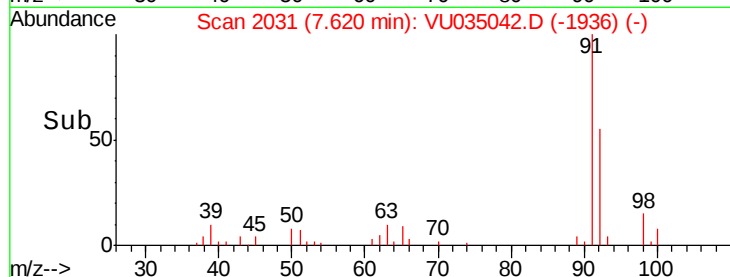
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.331 ug/L m

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU035042.D

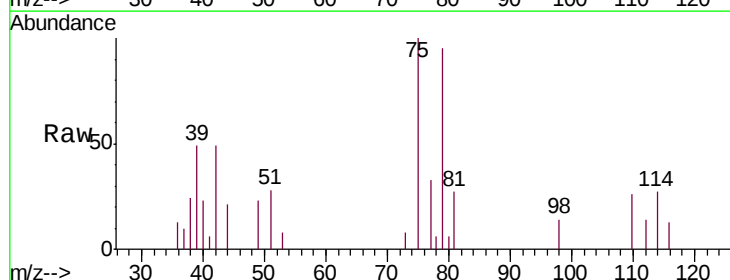
Acq: 10 Oct 2019 12:43

Tgt Ion: 75 Resp: 4606

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU035034.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU035034.D (-2090) (-)

7.87

2000

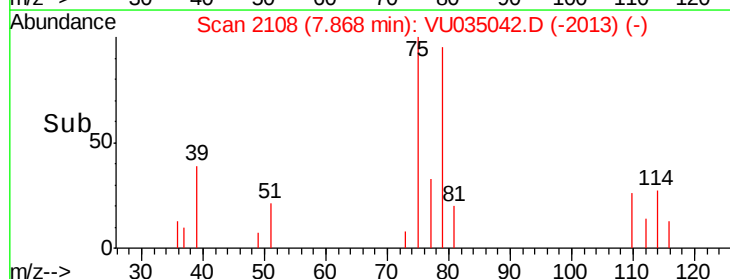
1500

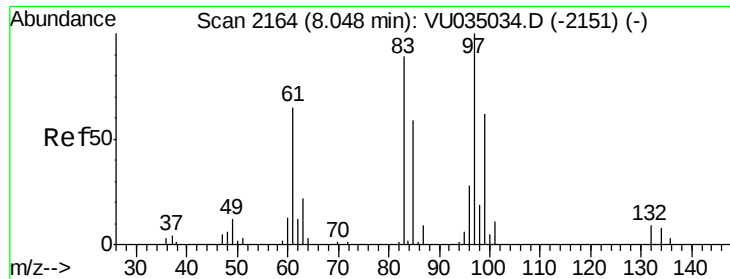
1000

500

0

Time-->





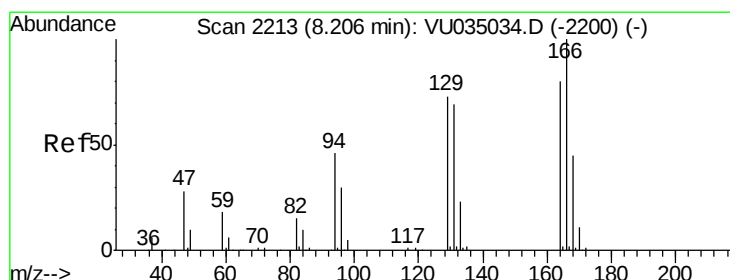
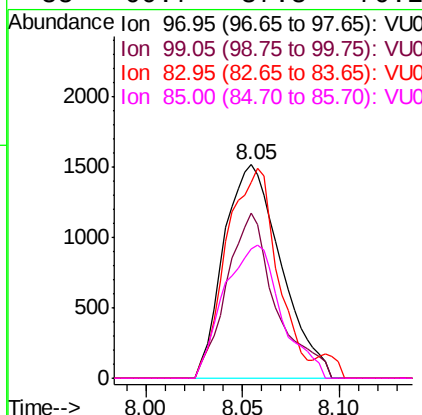
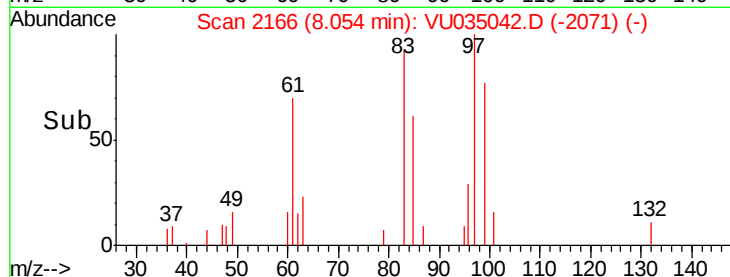
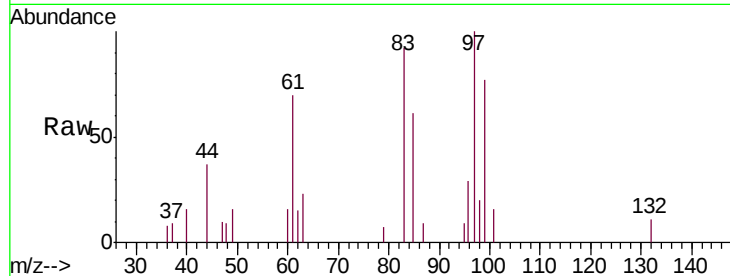
#45
1,1,2-Trichloroethane
Concen: 0.355 ug/L
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion:	97	Resp:	3126
Ion	Ratio	Lower	Upper
97	100		
99	77.4	42.3	78.5
83	91.7	58.0	107.6
85	60.7	37.8	70.2

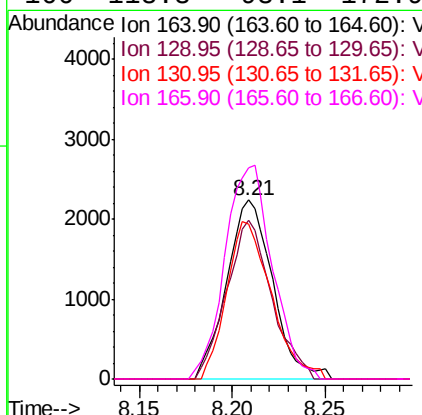
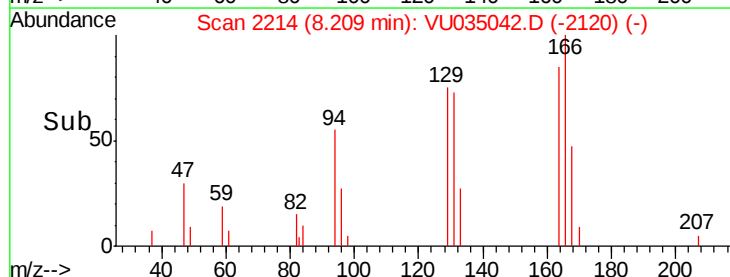
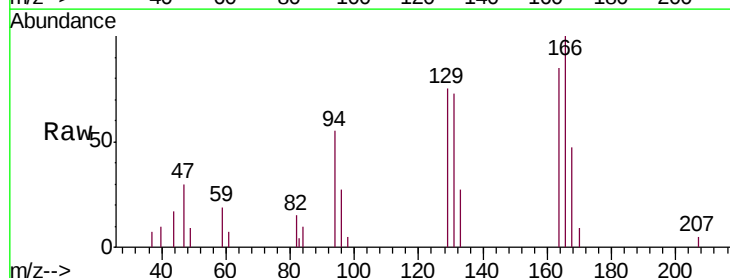
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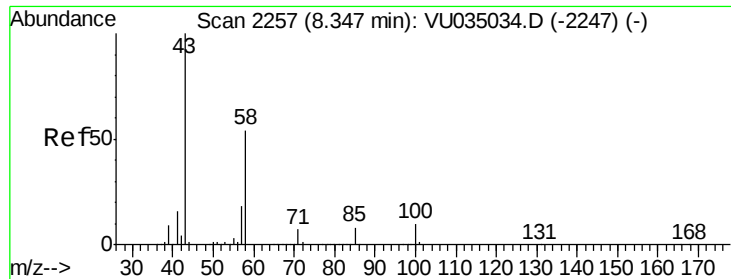
MMDadoda
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#47
Tetrachloroethene
Concen: 0.374 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion:	164	Resp:	3845
Ion	Ratio	Lower	Upper
164	100		
129	88.7	68.5	127.1
131	86.4	67.3	124.9
166	118.3	93.1	172.9





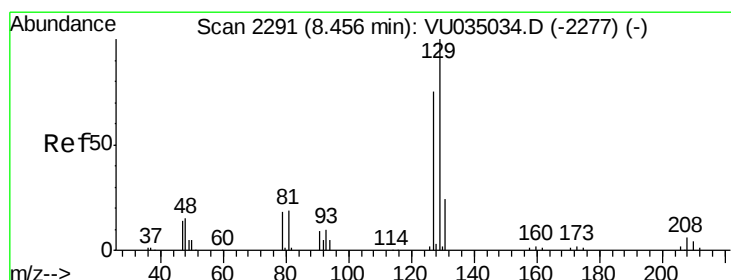
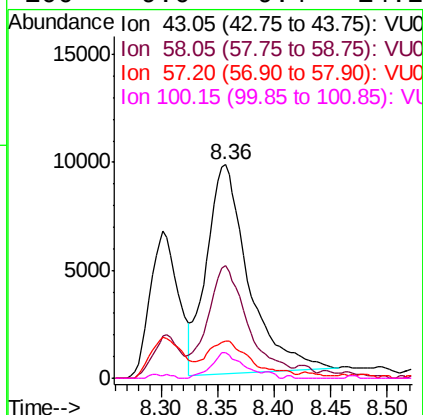
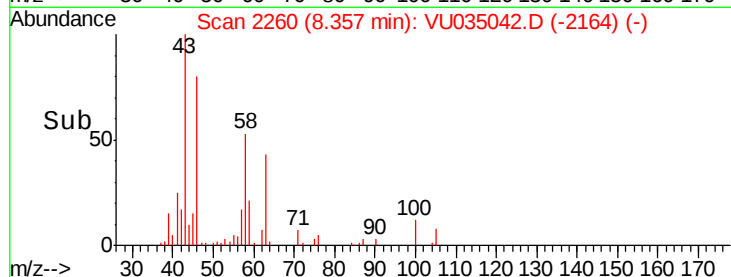
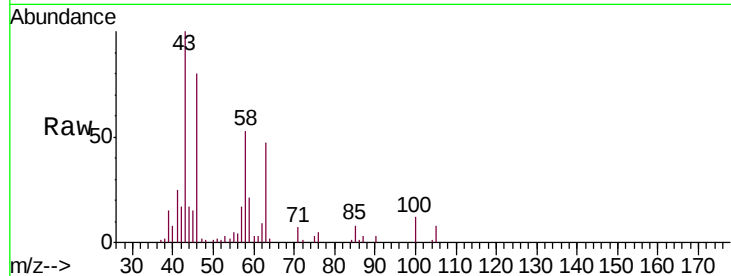
#48
2-Hexanone
Concen: 4.344 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.5	44.1	66.1
57	17.9	15.8	23.8
100	9.0	9.4	14.2

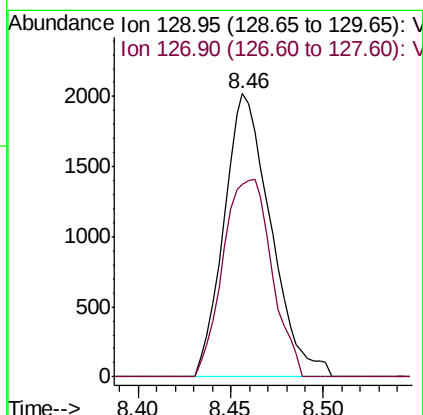
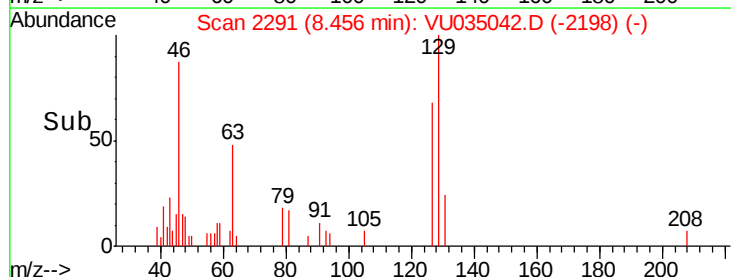
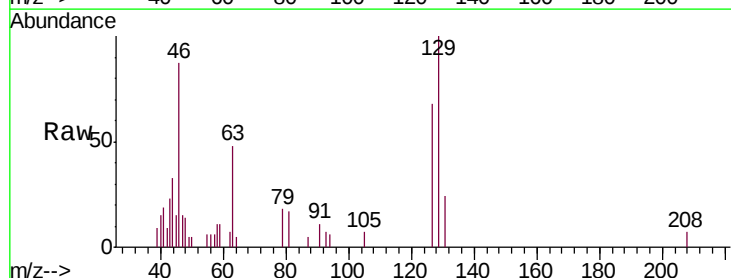
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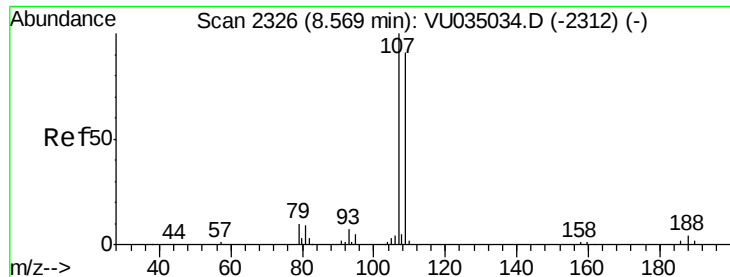
MMDadoda
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#49
Dibromochloromethane
Concen: 0.348 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	68.1	51.9	96.5





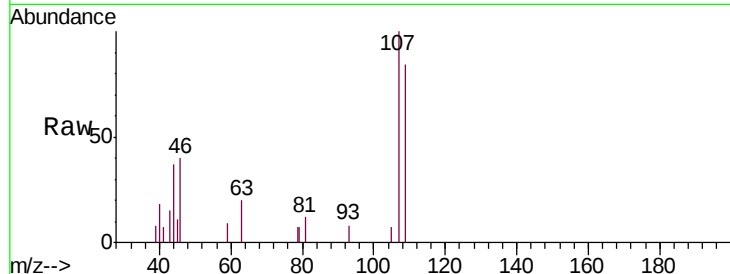
#50
1,2-Dibromoethane
Concen: 0.364 ug/L
RT: 8.58 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	3063		
109	83.7	64.8	120.4	
188	0.0	3.0	4.6#	

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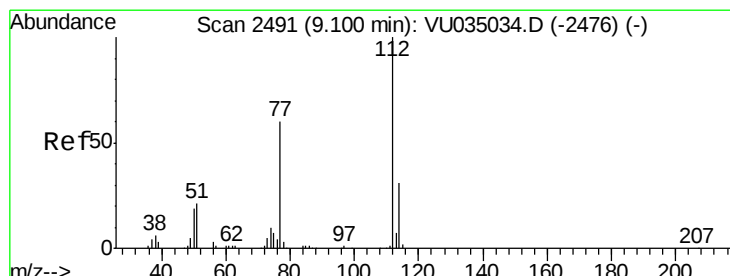
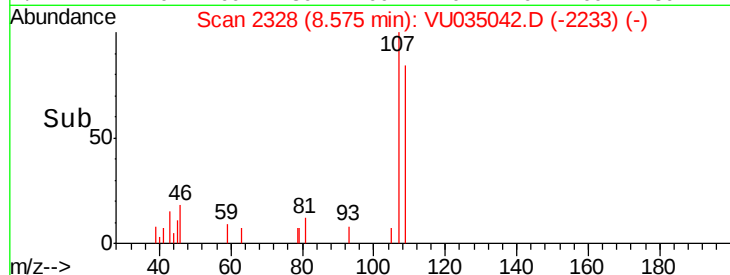
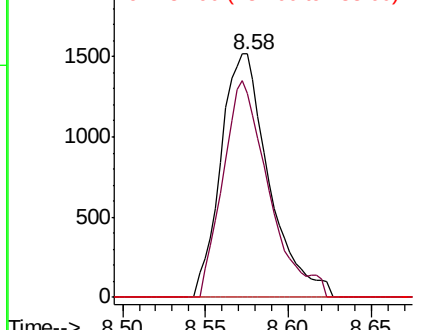


Abundance

Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.357 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

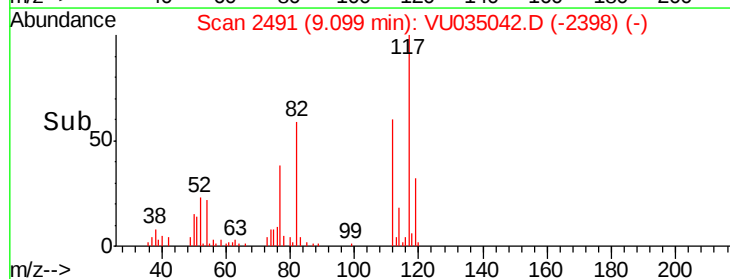
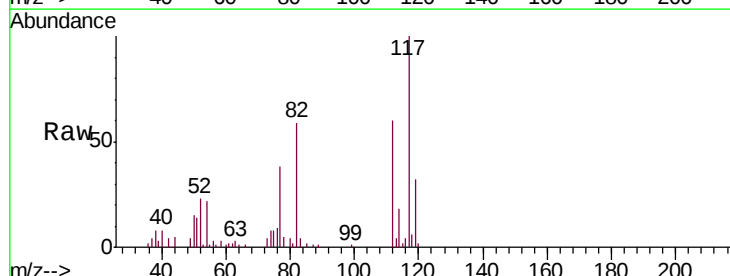
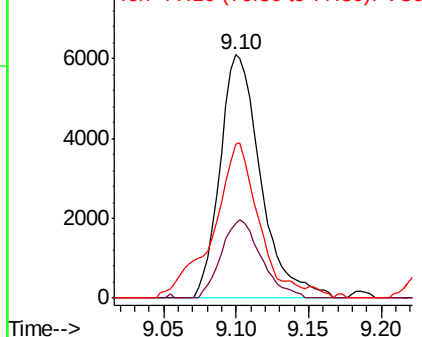
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	11877		
114	30.9	22.1	41.1	
77	63.3	46.9	70.3	

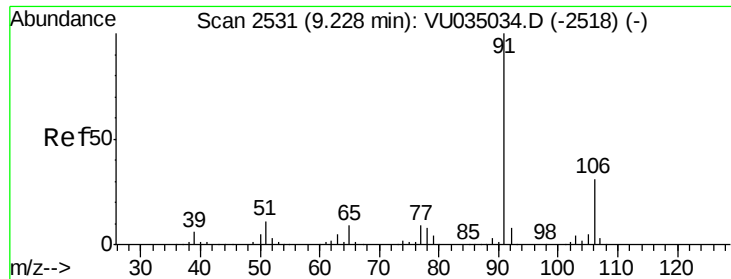
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.335 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tgt Ion: 91 Resp: 18987

Ion Ratio Lower Upper

91 100

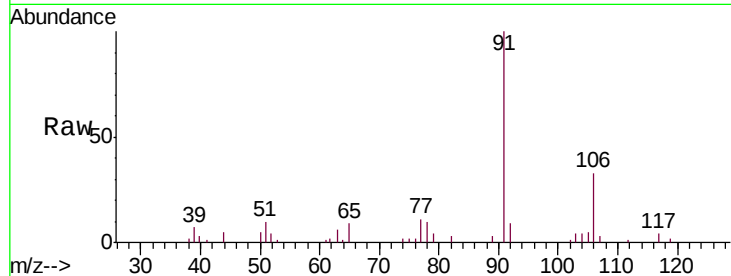
106 33.0 21.6 40.2

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Abundance Ion 91.15 (90.85 to 91.85): VU035042.D (-2438) (-)

Ion 106.15 (105.85 to 106.85): VU035042.D (-2438) (-)

9.23

12000

10000

8000

6000

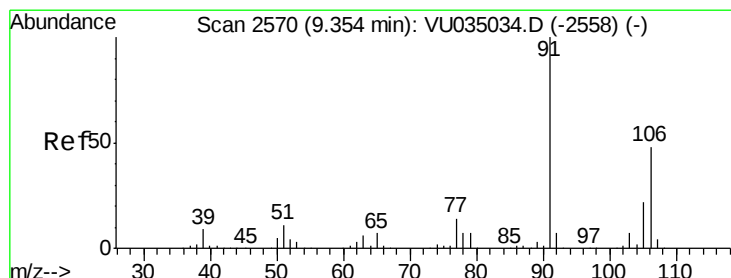
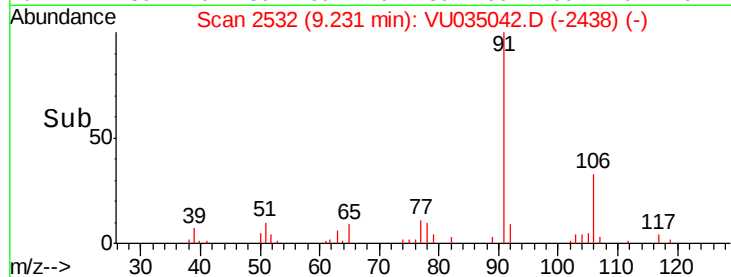
4000

2000

0

Time-->

9.15 9.20 9.25 9.30



#53

m,p-Xylene

Concen: 0.333 ug/L

RT: 9.36 min Scan# 2573

Delta R.T. 0.01 min

Lab File: VU035042.D

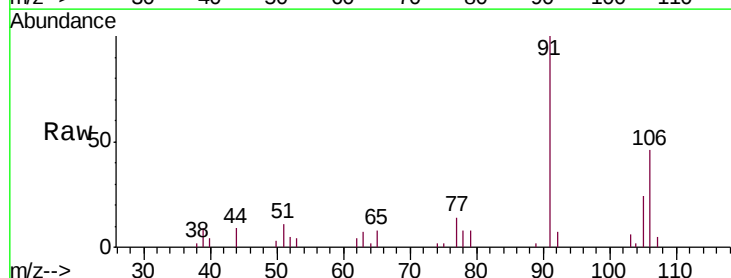
Acq: 10 Oct 2019 12:43

Tgt Ion: 106 Resp: 6974

Ion Ratio Lower Upper

106 100

91 215.3 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035042.D (-2477) (-)

Ion 91.15 (90.85 to 91.85): VU035042.D (-2477) (-)

9.36

8000

6000

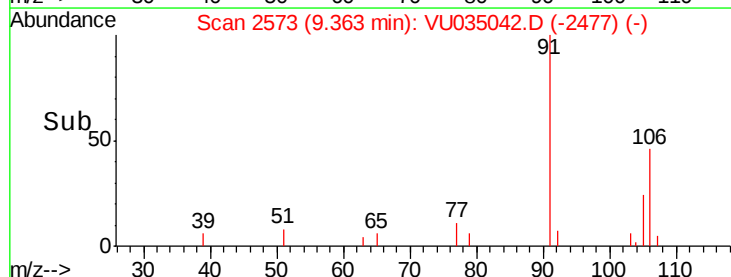
4000

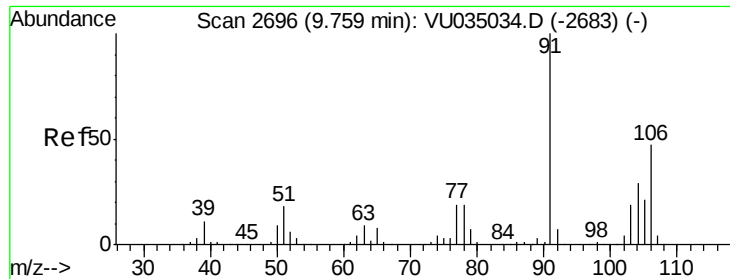
2000

0

Time-->

9.30 9.35 9.40





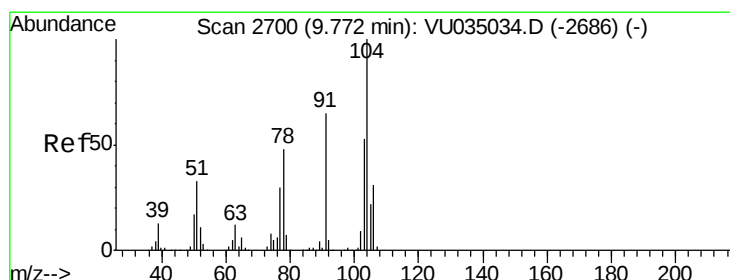
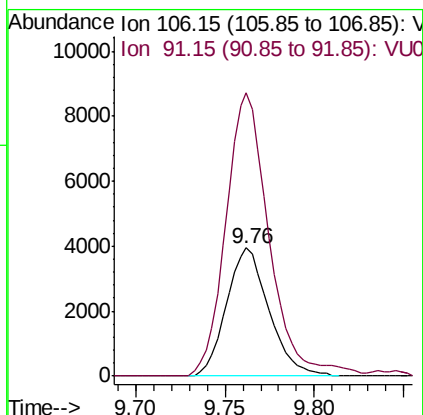
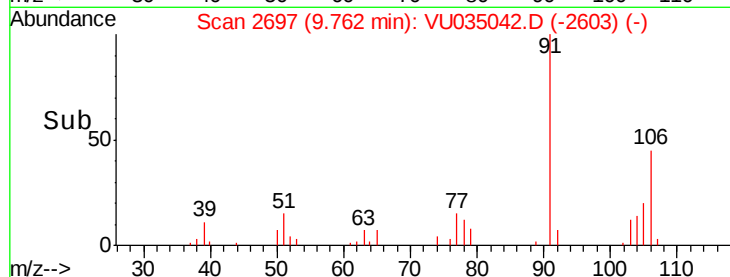
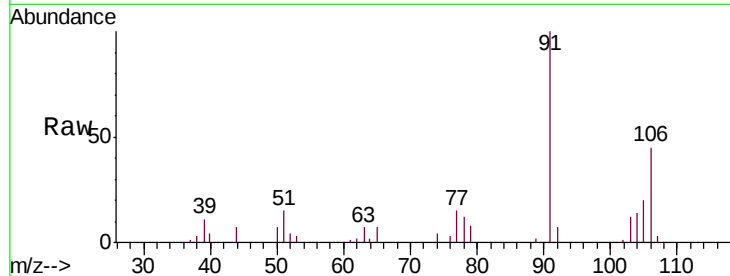
#54
o-Xylene
Concen: 0.320 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tgt Ion:106 Resp: 6549
Ion Ratio Lower Upper
106 100
91 220.8 148.5 275.7

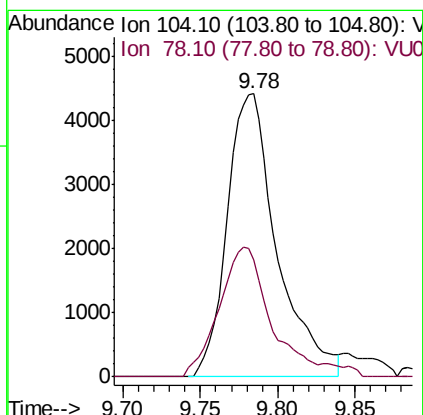
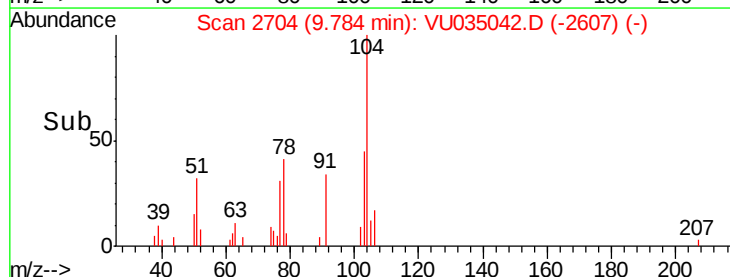
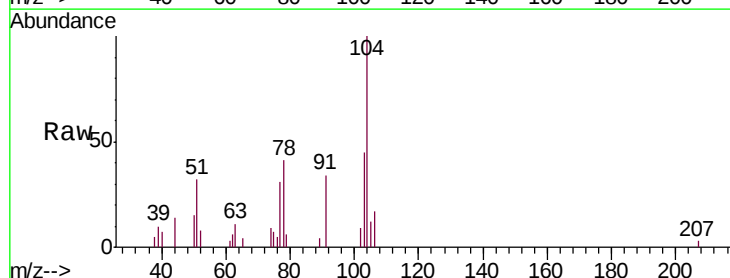
Manual Integrations
APPROVED

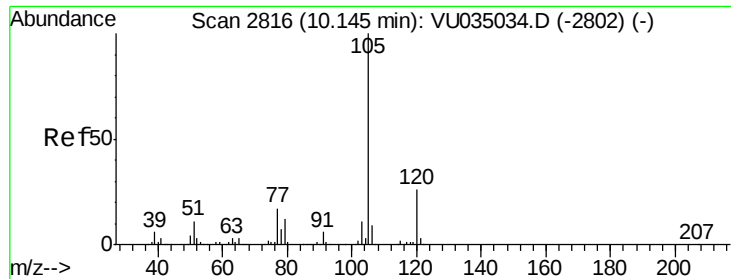
MMDadoda
10/11/2019 8:32:30 AM



#55
Styrene
Concen: 0.298 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. 0.01 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion:104 Resp: 9886
Ion Ratio Lower Upper
104 100
78 41.2 32.8 60.8





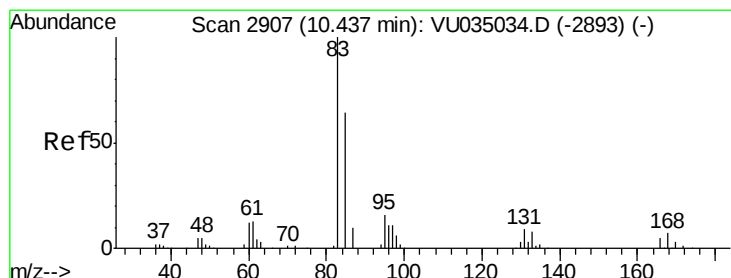
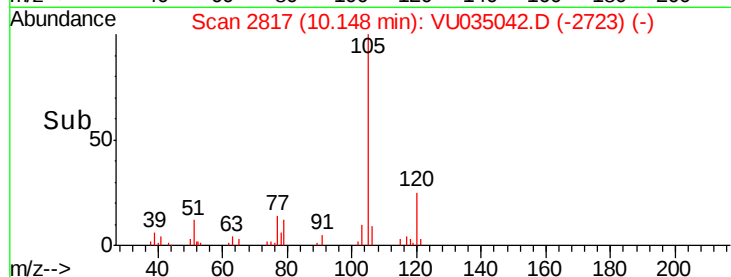
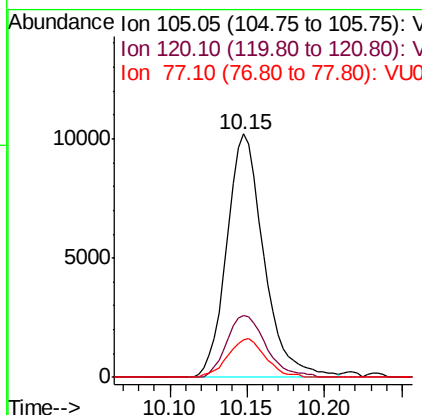
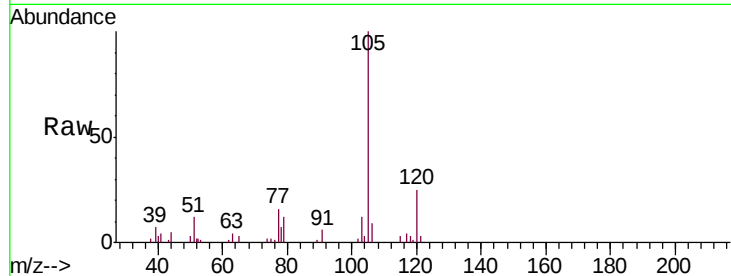
#56
Isopropylbenzene
Concen: 0.311 ug/L
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	16963		
120	27.0	21.3	31.9	
77	16.1	13.0	19.4	

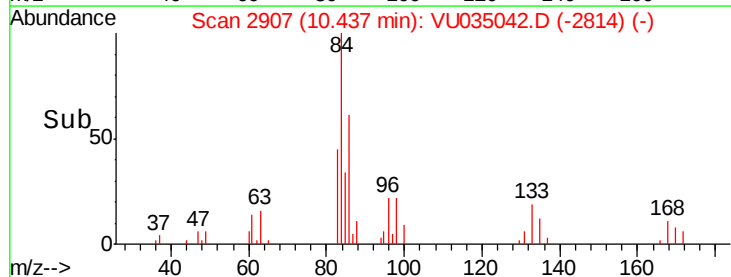
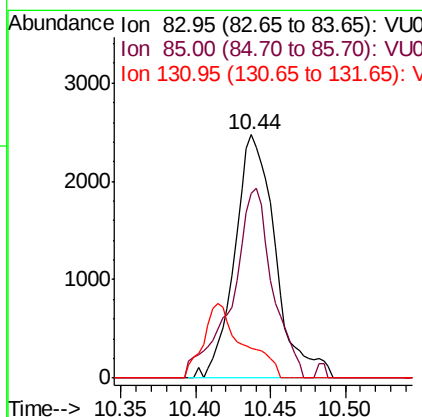
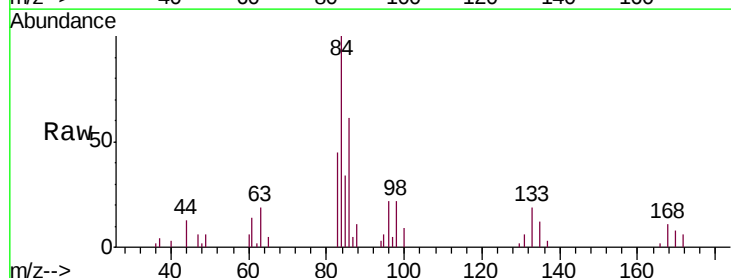
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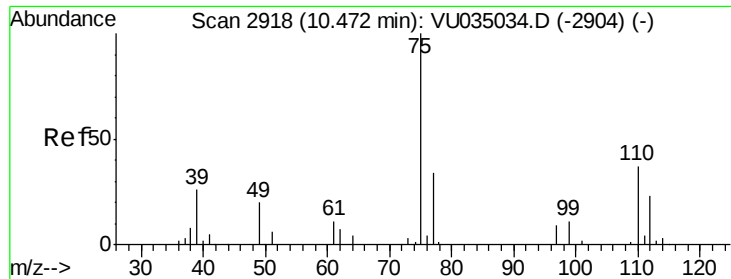
MMDadoda
10/11/2019 8:32:30 AM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.392 ug/L
RT: 10.44 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	4693		
85	75.8	44.6	82.8	
131	12.4	7.4	11.2#	





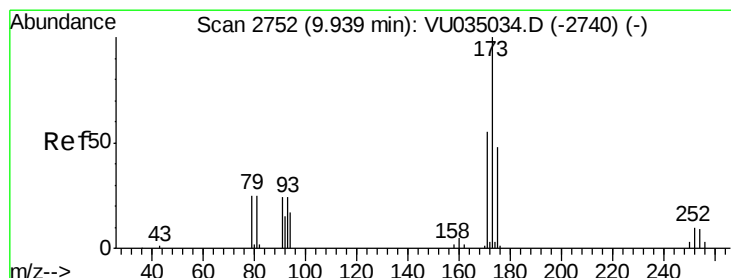
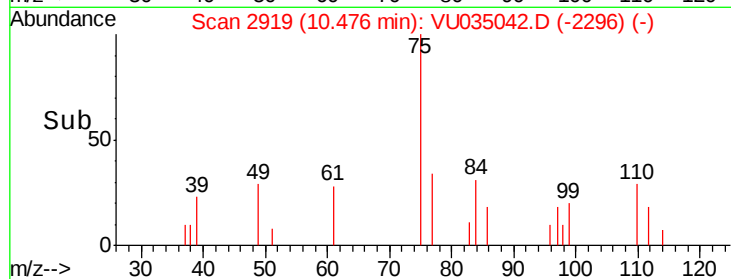
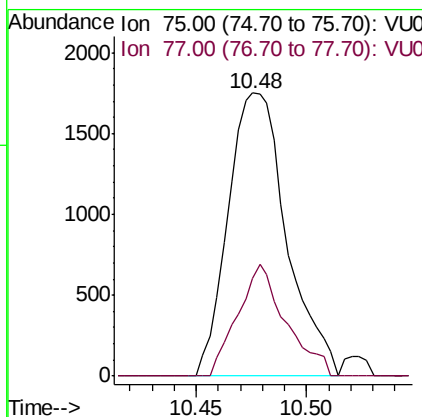
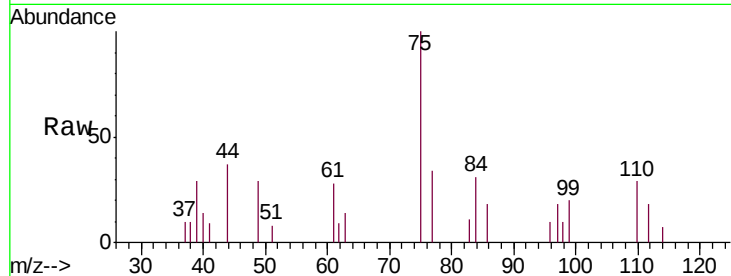
#59
1,2,3-Trichloropropane
Concen: 0.375 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tgt Ion: 75 Resp: 3221
Ion Ratio Lower Upper
75 100
77 32.3 26.5 39.7

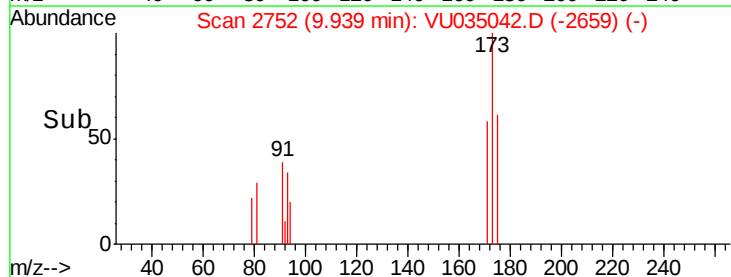
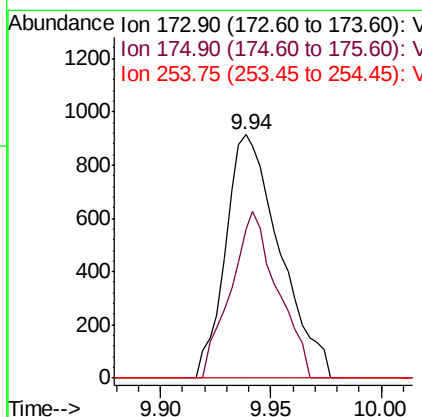
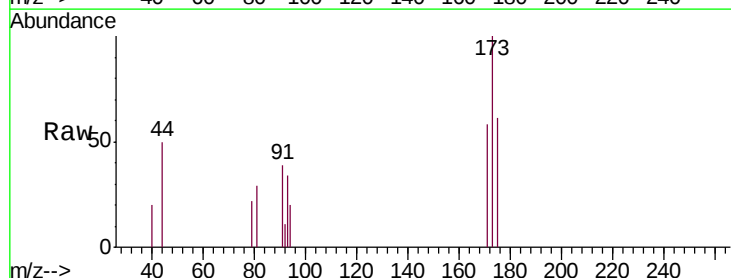
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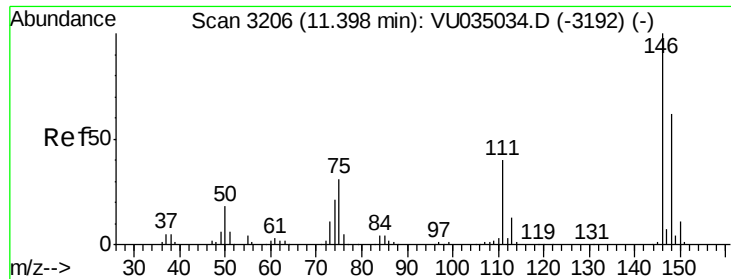
MMDadoda
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#61
Bromoform
Concen: 0.328 ug/L
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion: 173 Resp: 1563
Ion Ratio Lower Upper
173 100
175 58.7 37.2 55.8#
254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.358 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU035042.D

Acq: 10 Oct 2019 12:43

Instrument :

MSVOA_U

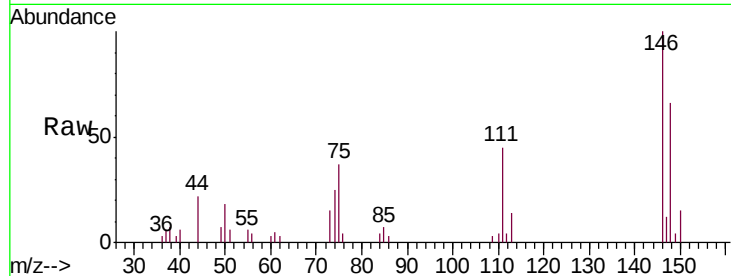
ClientSampleId :

MDL07

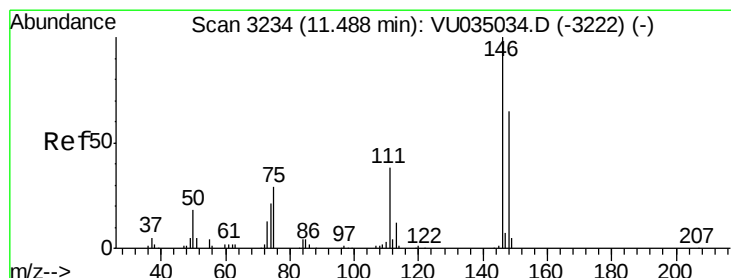
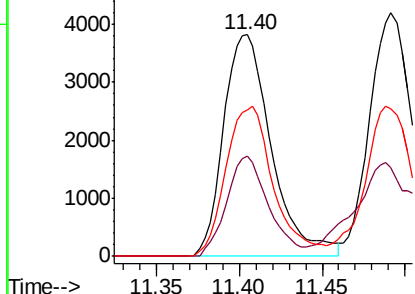
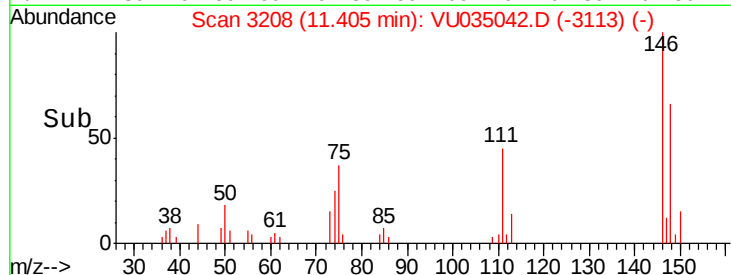
Tgt Ion:	146	Resp:	7641
Ion Ratio	Lower	Upper	
146	100		
111	45.1	28.6	53.2
148	65.9	45.0	83.6

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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



#63

1,4-Dichlorobenzene

Concen: 0.390 ug/L

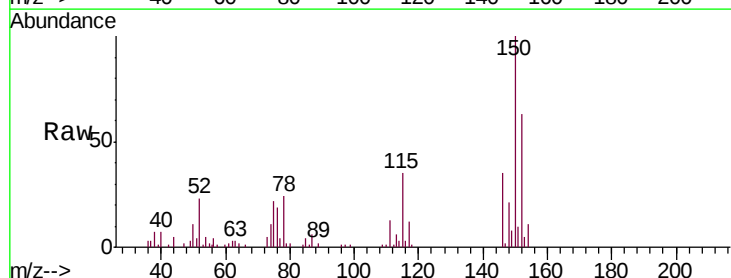
RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

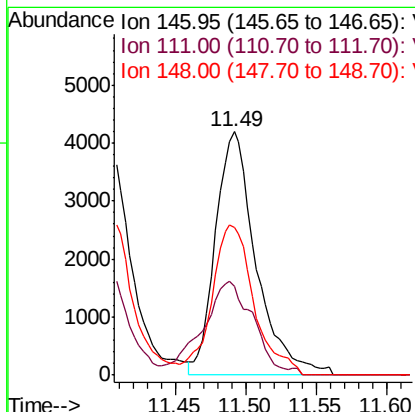
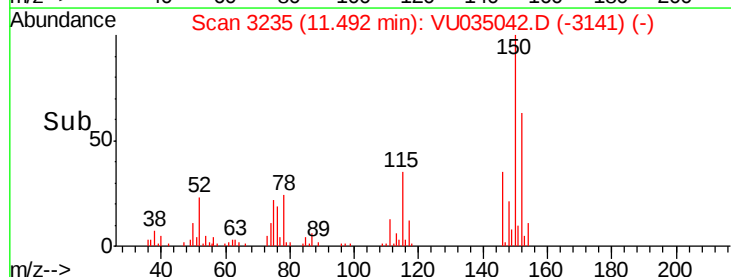
Lab File: VU035042.D

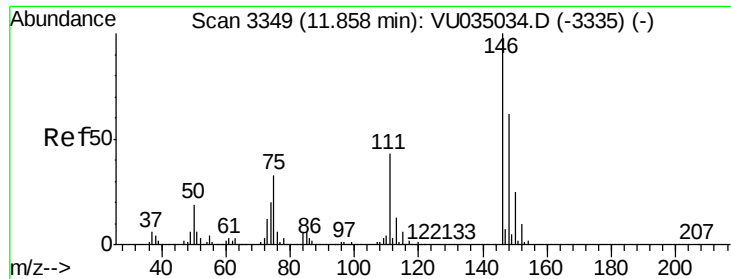
Acq: 10 Oct 2019 12:43

Tgt Ion:	146	Resp:	8405
Ion Ratio	Lower	Upper	
146	100		
111	36.6	27.9	51.7
148	60.8	44.1	81.9



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





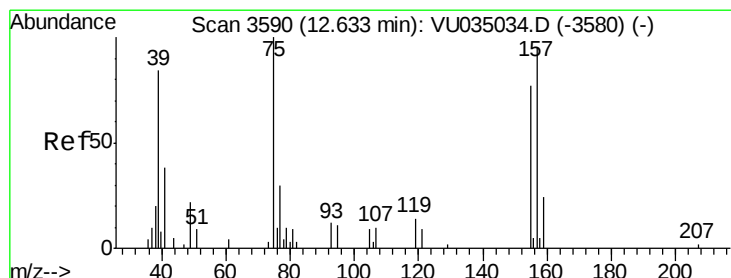
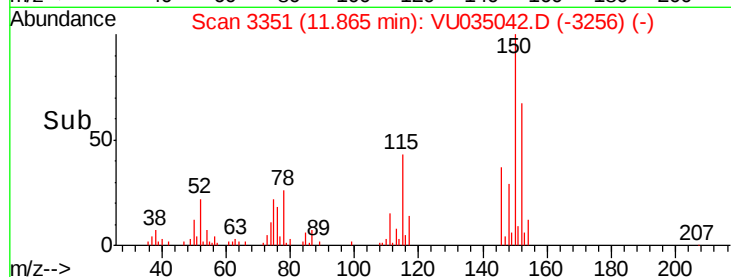
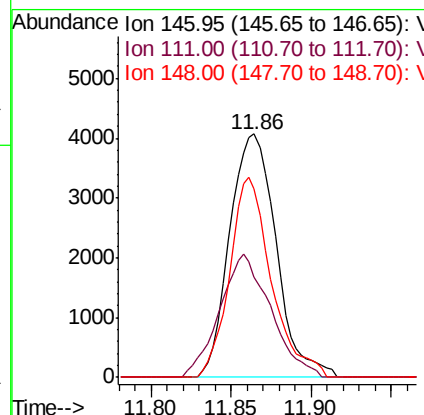
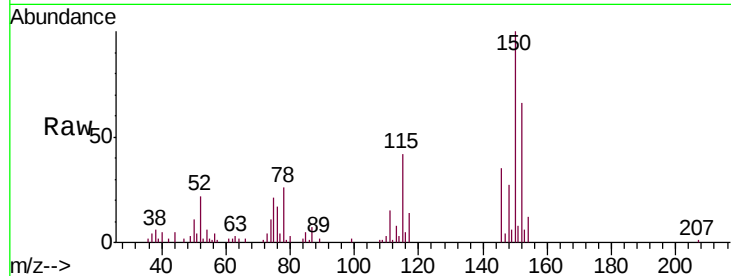
#65
 1,2-Dichlorobenzene
 Concen: 0.392 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.01 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	34.2	51.4
148	77.4	52.0	78.0

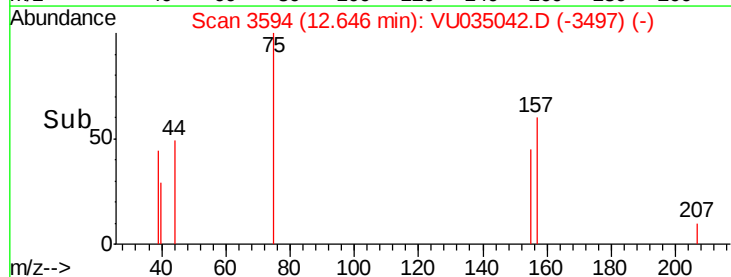
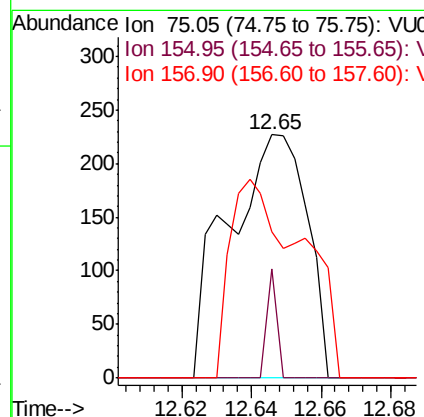
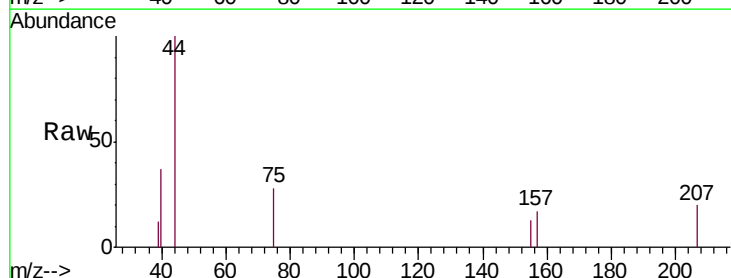
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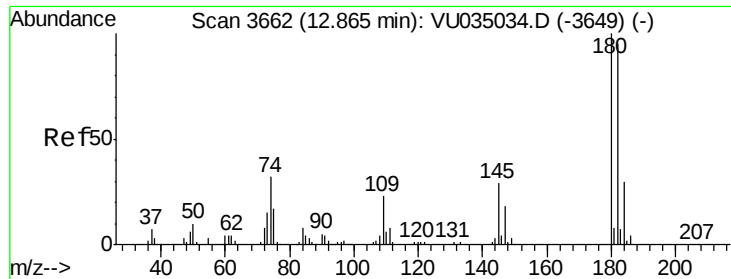
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.273 ug/L m
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	44.9	67.1	100.7#
157	60.4	83.7	125.5#





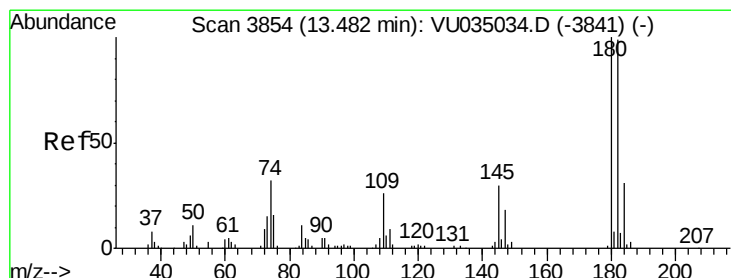
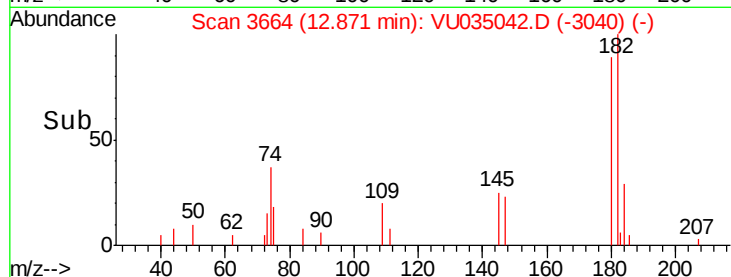
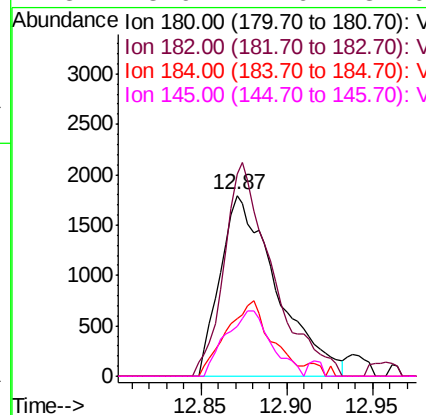
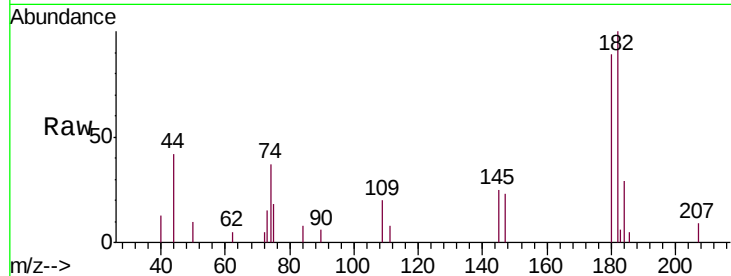
#67
 1,3,5-Trichlorobenzene
 Concen: 0.284 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.01 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	76.0	114.0
184	33.2	24.2	36.2
145	28.9	24.6	37.0

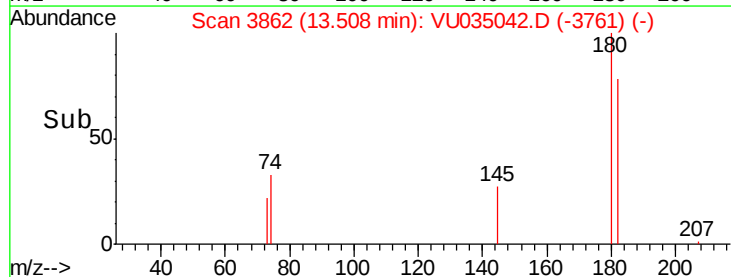
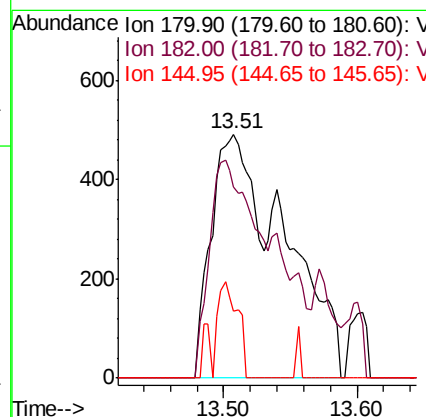
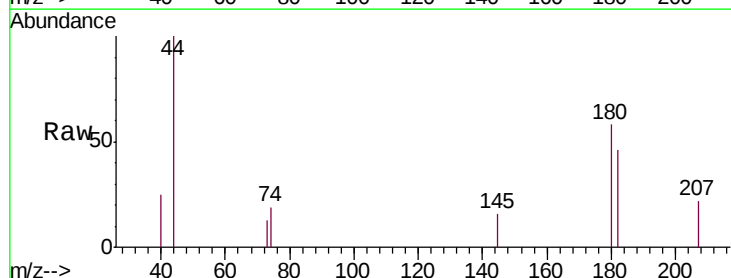
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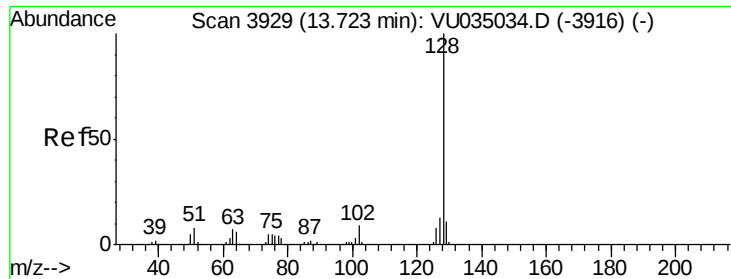
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#68
 1,2,4-trichlorobenzene
 Concen: 0.174 ug/L m
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.03 min
 Lab File: VU035042.D
 Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	56.2	77.3	115.9#
145	10.9	24.5	36.7#





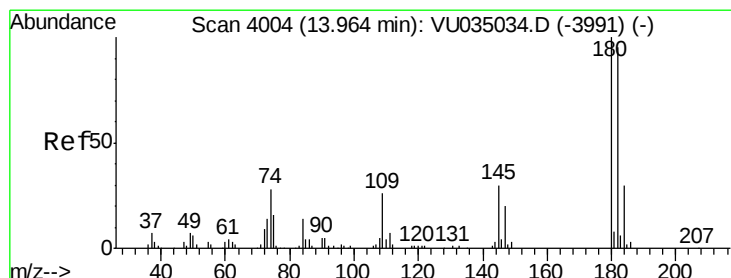
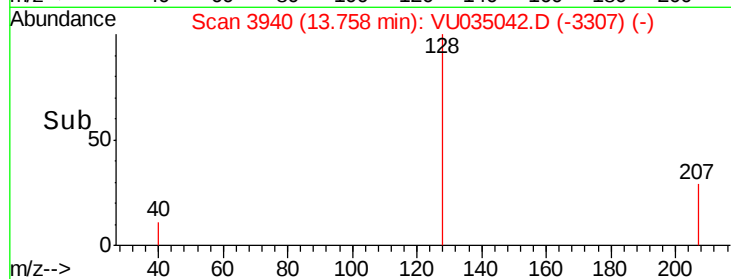
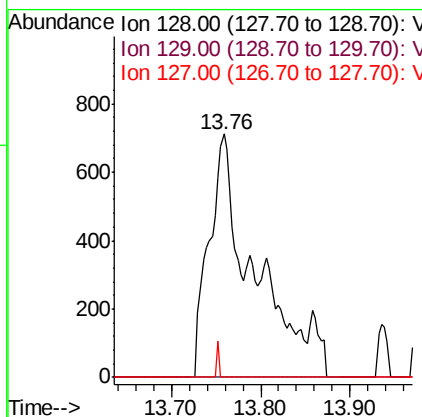
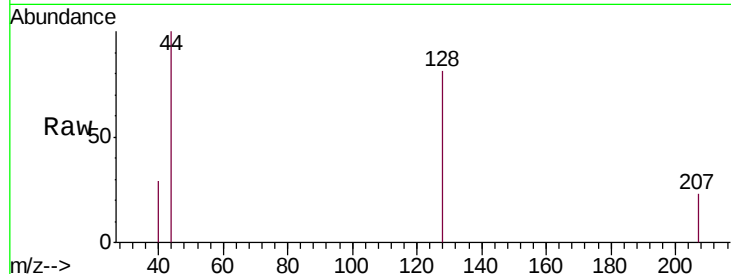
#69
Naphthalene
Concen: 0.152 ug/L m
RT: 13.76 min Scan# 3940
Delta R.T. 0.04 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.8	10.6	15.8#

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#70
1,2,3-Trichlorobenzene
Concen: 0.234 ug/L m
RT: 13.99 min Scan# 4011
Delta R.T. 0.02 min
Lab File: VU035042.D
Acq: 10 Oct 2019 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.1	77.0	115.4
145	16.8	25.9	38.9#

