

Data File : VU035041.D
Acq On : 10 Oct 2019 12:19
Operator : JC/SP
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:46:56 AM

Quant Time: Oct 11 03:05:52 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	158969	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	160870	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	67918	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	55440	5.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.00%
7) Chloroethane-d5	1.67	69	51628	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.80%
11) 1,1-Dichloroethene-d2	2.26	63	83207	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	4.18	46	158778	57.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.76%
24) Chloroform-d	4.62	84	97037	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	5.29	65	57317	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.32	84	201840	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.31	67	68874	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.55	98	180477	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
43) trans-1,3-Dichloropropene-	7.84	79	22054	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.30	63	115196	53.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.74%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57449	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	64236	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4790	0.330 ug/L	100
3) Chloromethane	1.32	50	5687	0.357 ug/L	98
5) Vinyl chloride	1.40	62	5416	0.346 ug/L	84
6) Bromomethane	1.62	94	3208	0.369 ug/L	98
8) Chloroethane	1.69	64	3039	0.324 ug/L	86
9) Trichlorofluoromethane	1.88	101	6647	0.351 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4549	0.418 ug/L	87
12) 1,1-Dichloroethene	2.27	96	4028	0.394 ug/L #	1
13) Acetone	2.32	43	8853	3.906 ug/L	95
14) Carbon disulfide	2.47	76	10421	0.307 ug/L #	93
15) Methyl Acetate	2.61	43	2320	0.385 ug/L #	87
16) Methylene chloride	2.68	84	6188	0.490 ug/L	86
17) Methyl tert-butyl Ether	2.99	73	9449	0.339 ug/L #	94
18) trans-1,2-Dichloroethene	2.96	96	3532	0.323 ug/L	93
19) 1,1-Dichloroethane	3.42	63	7170	0.330 ug/L	93
21) 2-Butanone	4.27	43	11137m	3.451 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	3849	0.316 ug/L	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	1867	0.365	ug/L	95
25) Chloroform	4.65	83	16887	0.692	ug/L	93
27) 1,2-Dichloroethane	5.39	62	4905	0.344	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	5599	0.310	ug/L	98
30) Cyclohexane	4.97	56	5756	0.290	ug/L	96
31) Carbon tetrachloride	5.11	117	4771	0.305	ug/L	99
33) Benzene	5.37	78	14822	0.306	ug/L	100
34) Trichloroethene	6.17	95	4070	0.326	ug/L	95
35) Methylcyclohexane	6.39	83	6128	0.303	ug/L	97
37) 1,2-Dichloropropane	6.42	63	4465	0.342	ug/L #	95
38) Bromodichloromethane	6.74	83	5153	0.336	ug/L	92
39) cis-1,3-Dichloropropene	7.26	75	5535	0.313	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	23721	2.883	ug/L #	86
42) Toluene	7.62	91	15004	0.297	ug/L	93
44) trans-1,3-Dichloropropene	7.87	75	4073m	0.297	ug/L	
45) 1,1,2-Trichloroethane	8.06	97	2835	0.327	ug/L	95
47) Tetrachloroethene	8.21	164	3277	0.324	ug/L	88
48) 2-Hexanone	8.36	43	19807	3.511	ug/L	96
49) Dibromochloromethane	8.46	129	2857	0.285	ug/L	87
50) 1,2-Dibromoethane	8.57	107	2462	0.297	ug/L #	97
51) Chlorobenzene	9.10	112	10377	0.317	ug/L	98
52) Ethylbenzene	9.23	91	16696	0.299	ug/L	95
53) m,p-Xylene	9.36	106	5933	0.288	ug/L	92
54) o-Xylene	9.76	106	6111	0.303	ug/L	97
55) Styrene	9.78	104	9119	0.279	ug/L	89
56) Isopropylbenzene	10.15	105	14977	0.279	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	4157	0.352	ug/L #	96
59) 1,2,3-Trichloropropane	10.48	75	2739	0.324	ug/L	95
61) Bromoform	9.94	173	1284	0.276	ug/L #	96
62) 1,3-Dichlorobenzene	11.40	146	6900	0.330	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	7284	0.345	ug/L	91
65) 1,2-Dichlorobenzene	11.86	146	7017	0.348	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	3754	0.265	ug/L #	94
68) 1,2,4-trichlorobenzene	13.50	180	1527	0.144	ug/L #	66
69) Naphthalene	13.76	128	2675m	0.163	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	2292m	0.223	ug/L	

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

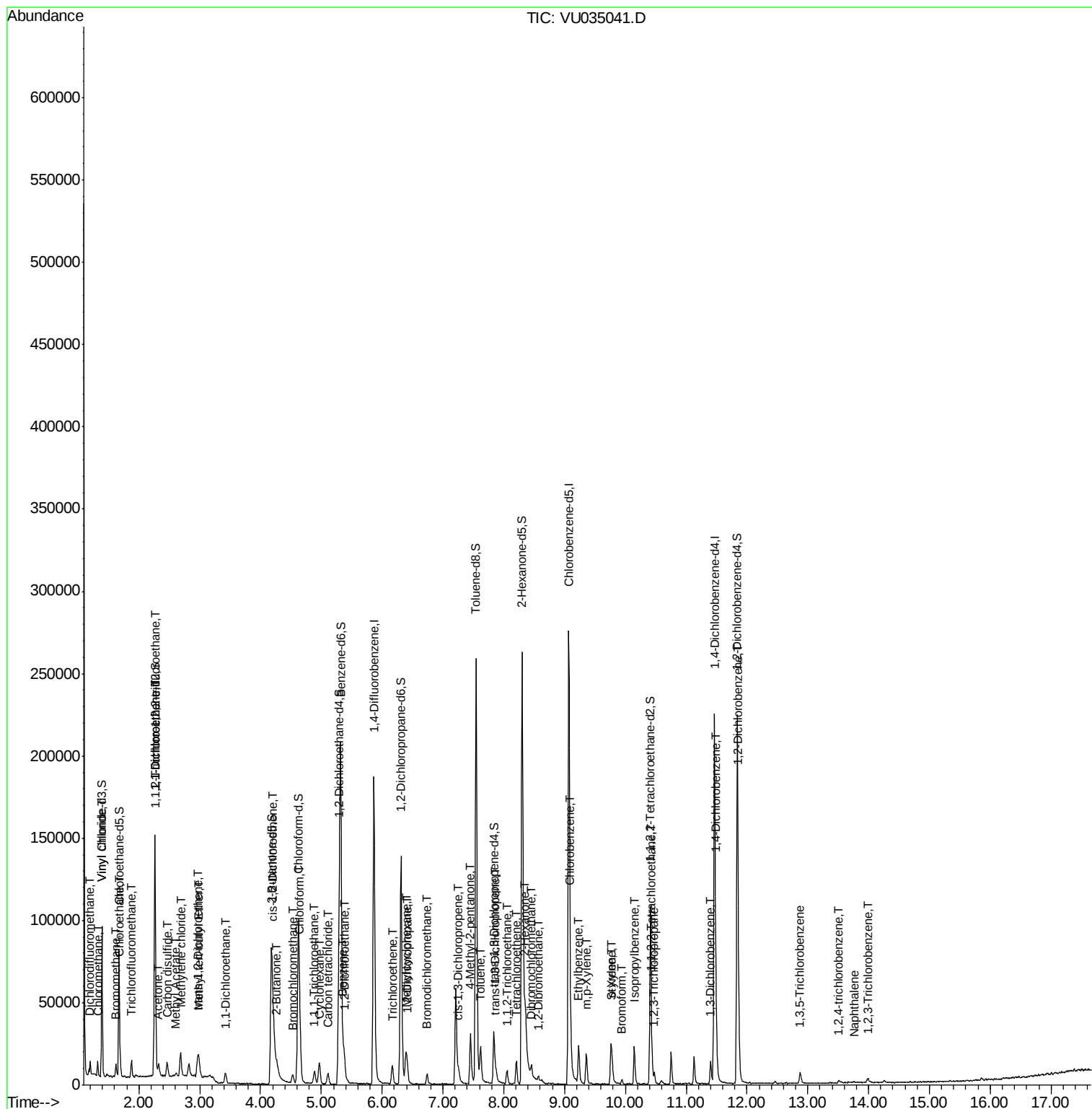
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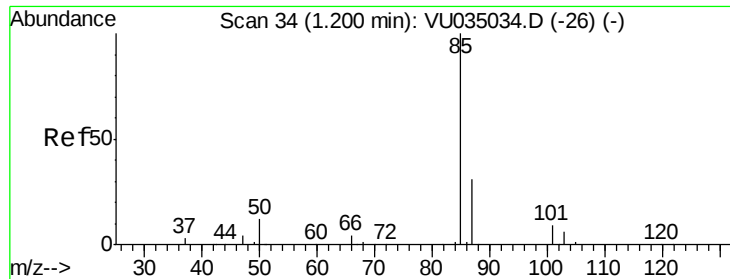
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#2

Dichlorodifluoromethane

Concen: 0.330 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 85 Resp: 4790

Ion Ratio Lower Upper

85 100

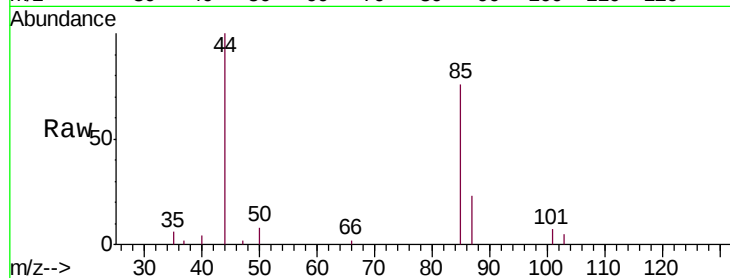
87 32.9 26.3 39.5

Manual Integrations

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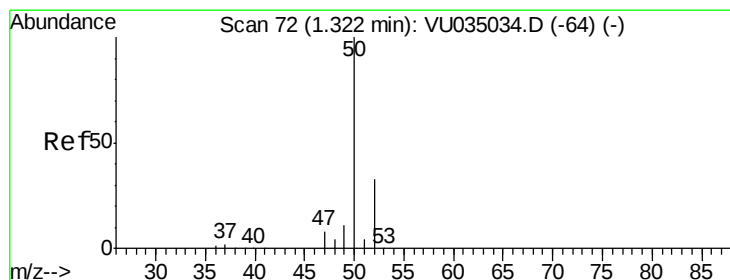
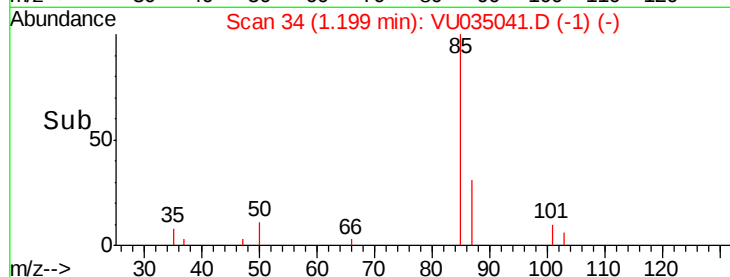
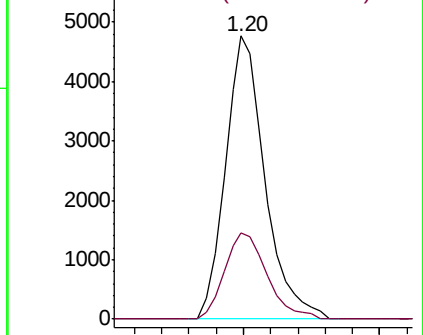
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Abundance Ion 85.00 (84.70 to 85.70): VU035041.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035041.D (-1) (-)



#3

Chloromethane

Concen: 0.357 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035041.D

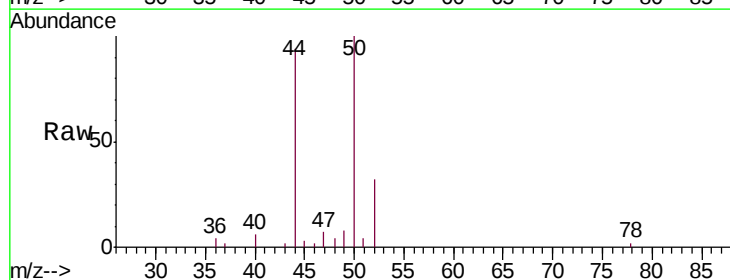
Acq: 10 Oct 2019 12:19

Tgt Ion: 50 Resp: 5687

Ion Ratio Lower Upper

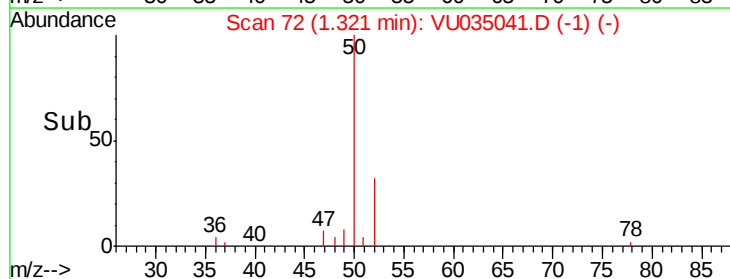
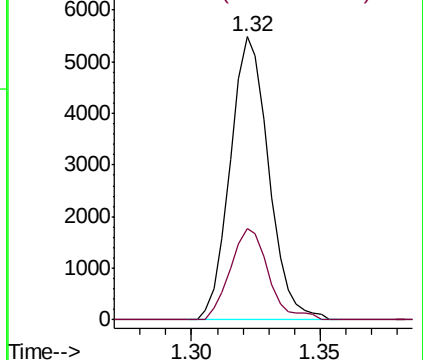
50 100

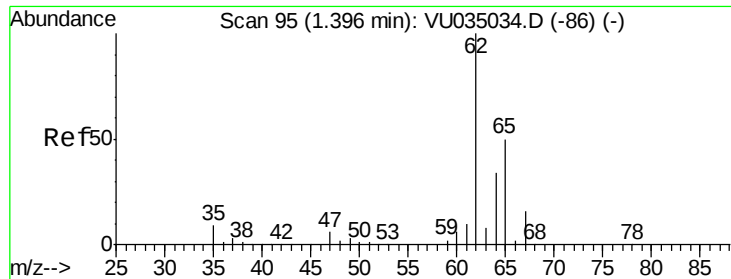
52 32.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035041.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035041.D (-1) (-)





#5

Vinyl chloride

Concen: 0.346 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 62 Resp: 5416

Ion Ratio Lower Upper

62 100

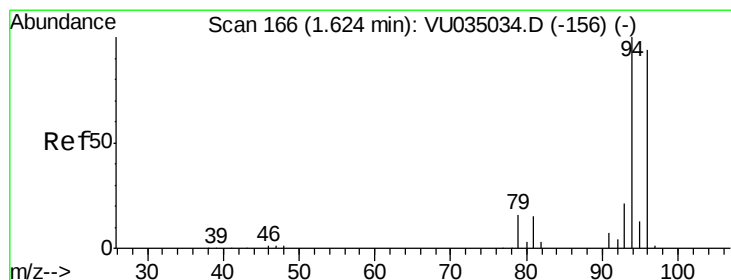
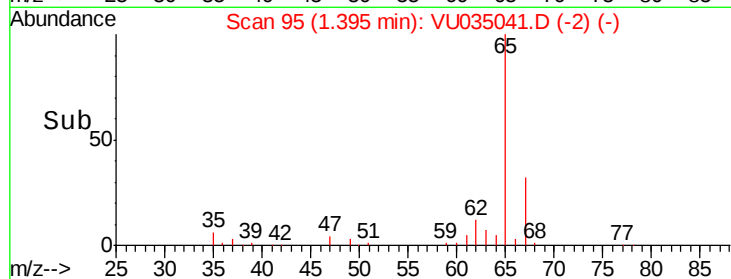
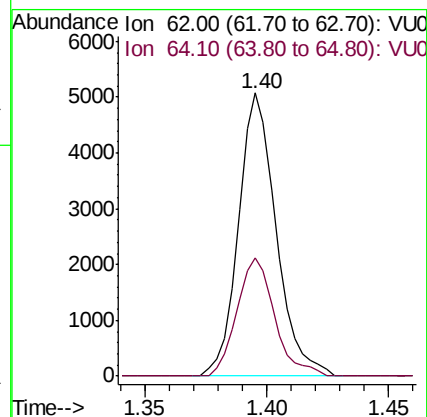
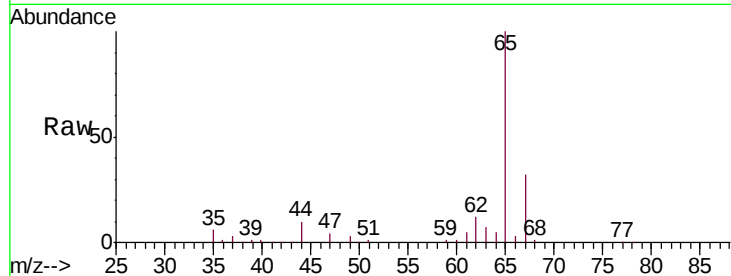
64 41.8 22.8 42.4

Manual Integrations

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#6

Bromomethane

Concen: 0.369 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035041.D

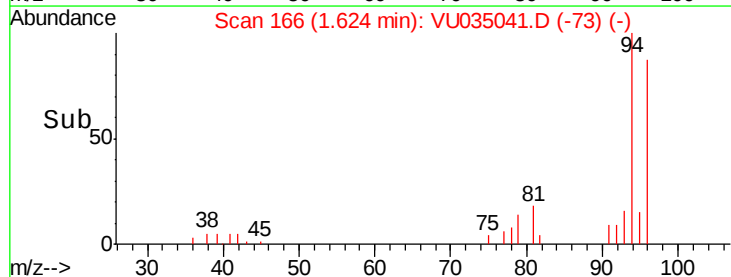
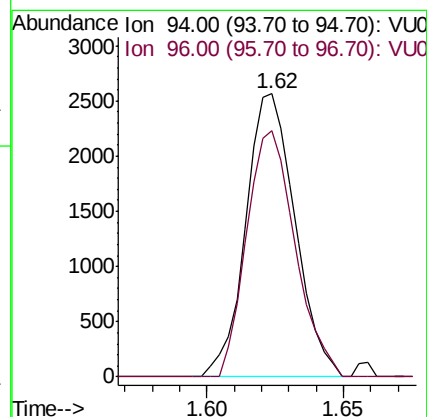
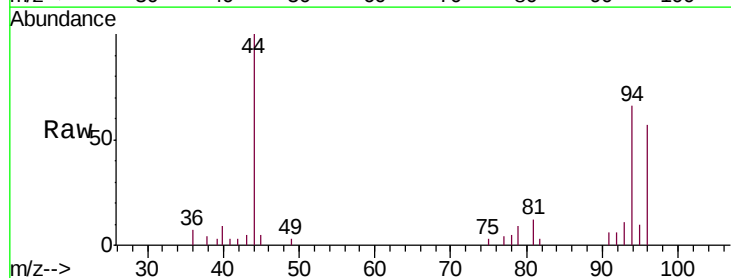
Acq: 10 Oct 2019 12:19

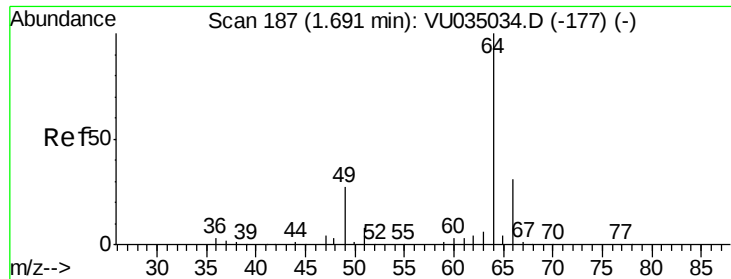
Tgt Ion: 94 Resp: 3208

Ion Ratio Lower Upper

94 100

96 87.2 62.4 116.0





#8

Chloroethane

Concen: 0.324 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 64 Resp: 3039

Ion Ratio Lower Upper

64 100

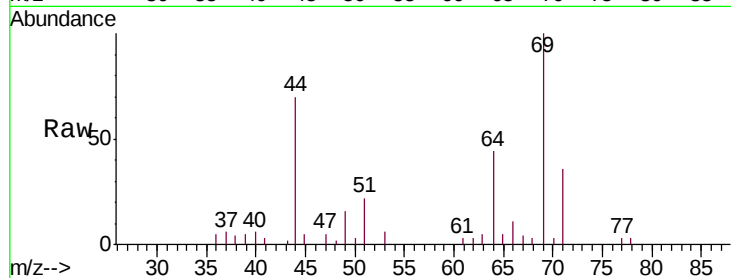
66 25.1 23.2 43.2

Manual Integrations

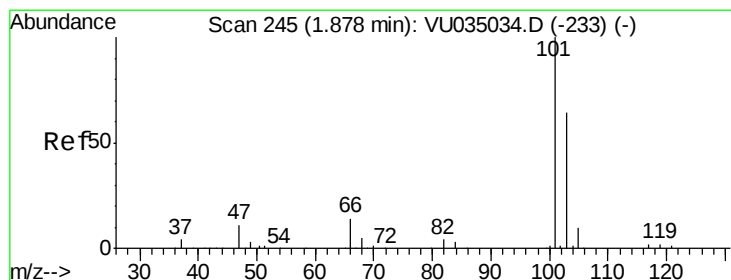
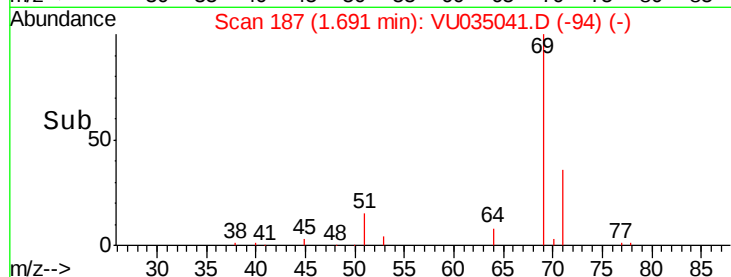
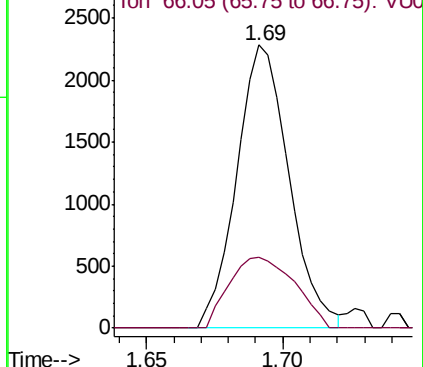
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Abundance Ion 64.10 (63.80 to 64.80): VU035041.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.351 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035041.D

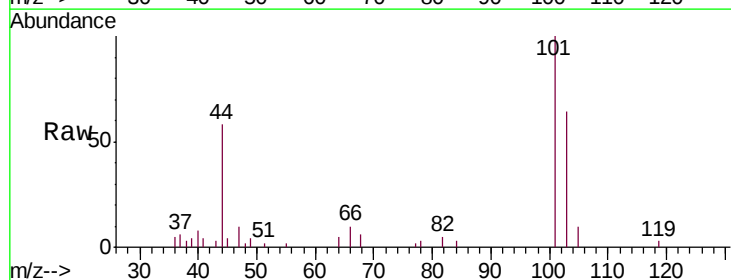
Acq: 10 Oct 2019 12:19

Tgt Ion: 101 Resp: 6647

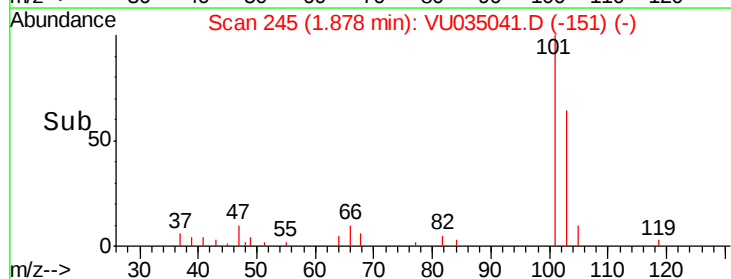
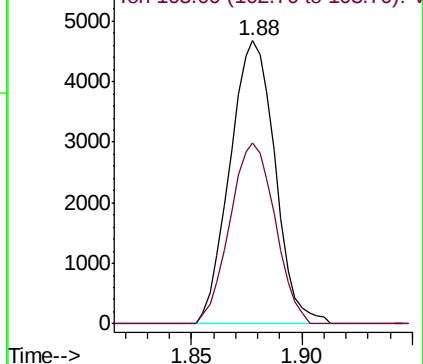
Ion Ratio Lower Upper

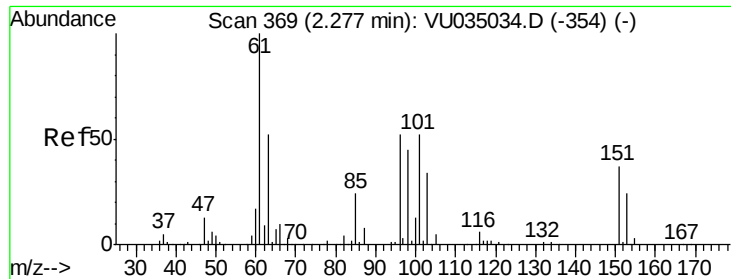
101 100

103 63.9 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035041.D (-233) (-)





#10

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

Concen: 0.418 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

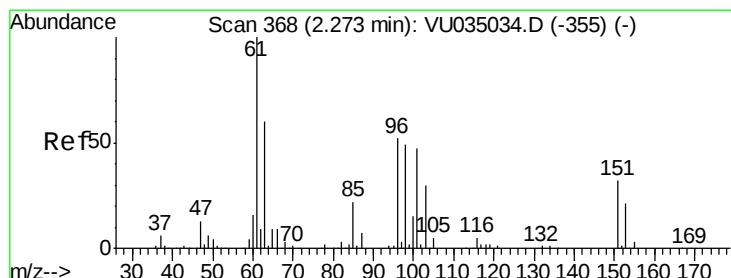
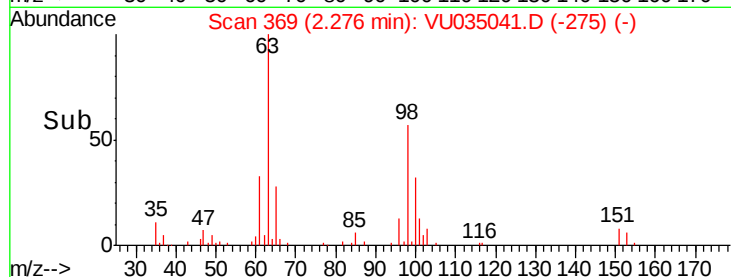
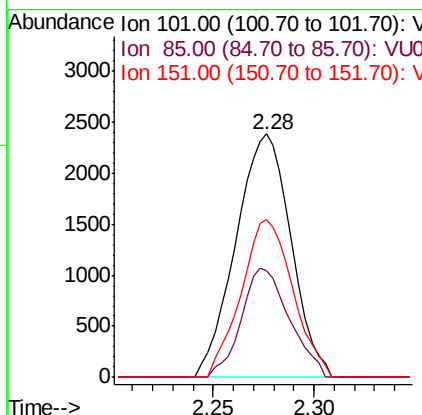
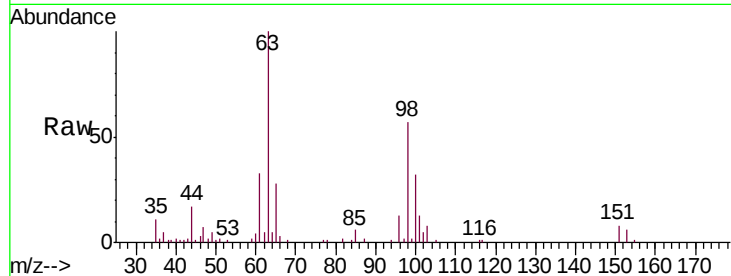
ClientSampled :

MDL06

Tgt Ion:	101	Resp:	4549
Ion Ratio	Lower	Upper	
101	100		
85	39.3	37.4	56.0
151	61.0	58.6	87.8

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#12

1,1-Dichloroethene

Concen: 0.394 ug/L

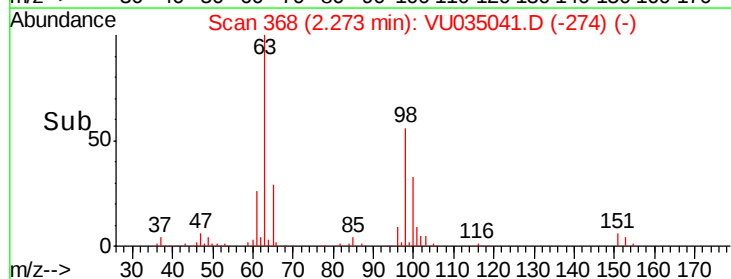
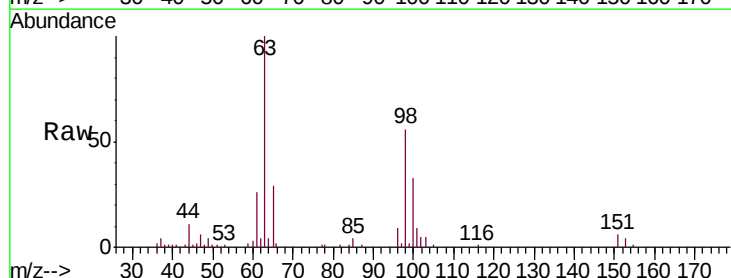
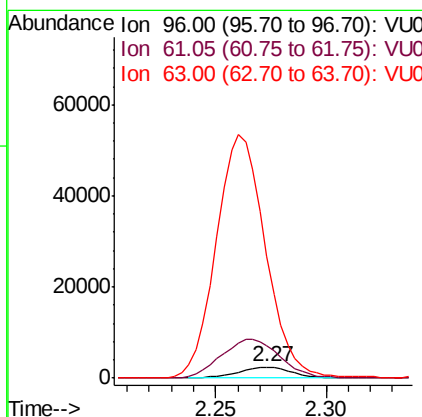
RT: 2.27 min Scan# 368

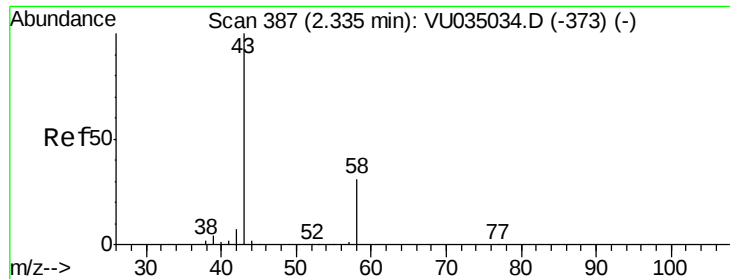
Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Tgt Ion:	96	Resp:	4028
Ion Ratio	Lower	Upper	
96	100		
61	287.7	129.3	240.1#
63	1086.3	108.9	202.3#





#13

Acetone

Concen: 3.906 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.01 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 43 Resp: 8853

Ion Ratio Lower Upper

43 100

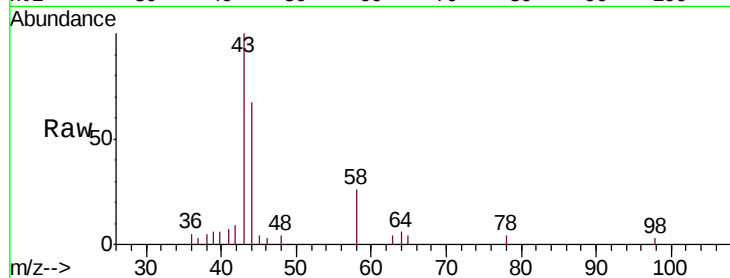
58 30.5 0.0 66.6

Manual Integrations

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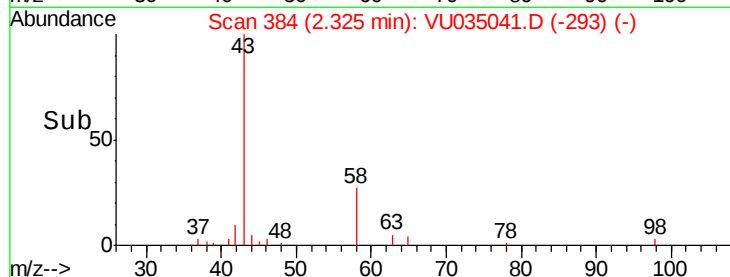


Abundance Ion 43.05 (42.75 to 43.75): VU035034.D (-373) (-)

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

2.32

Time-->

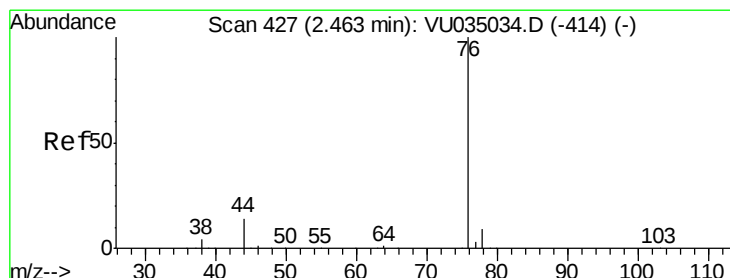


Abundance Ion 43.05 (42.75 to 43.75): VU035041.D (-293) (-)

Ion 58.05 (57.75 to 58.75): VU035041.D (-293) (-)

2.32

Time-->



#14

Carbon disulfide

Concen: 0.307 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035041.D

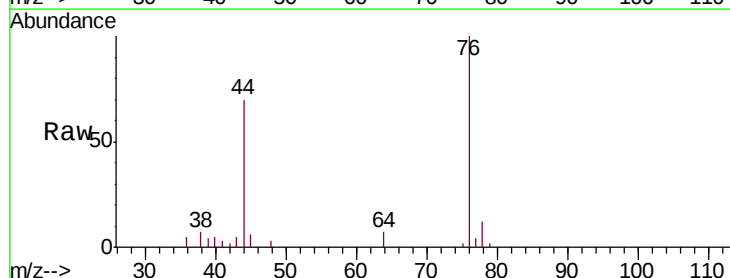
Acq: 10 Oct 2019 12:19

Tgt Ion: 76 Resp: 10421

Ion Ratio Lower Upper

76 100

78 11.5 7.1 10.7#

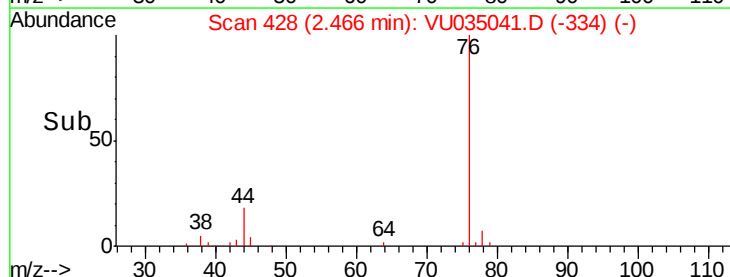


Abundance Ion 76.05 (75.75 to 76.75): VU035034.D (-414) (-)

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

2.47

Time-->

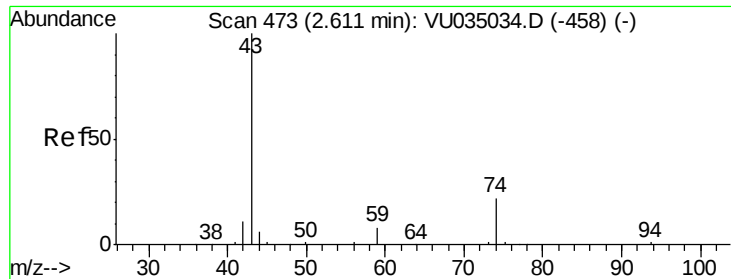


Abundance Ion 76.05 (75.75 to 76.75): VU035041.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU035041.D (-334) (-)

2.47

Time-->



#15

Methyl Acetate

Concen: 0.385 ug/L

RT: 2.61 min Scan# 472

Delta R.T. -0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 43 Resp: 2320

Ion Ratio Lower Upper

43 100

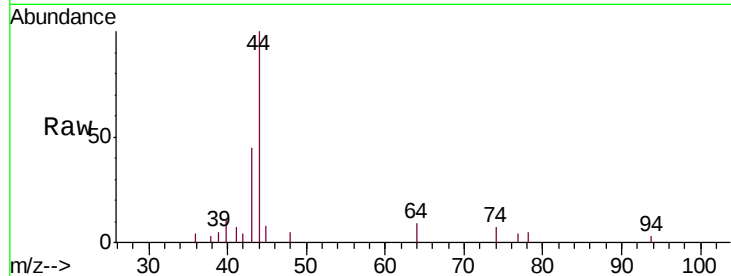
74 16.0 17.8 26.8#

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

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

1500

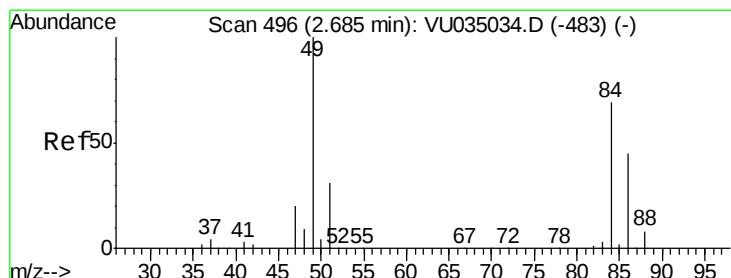
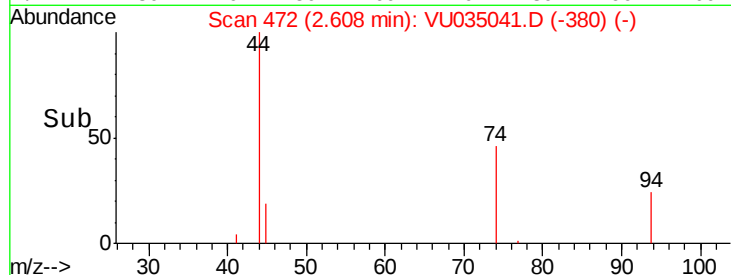
1000

500

0

2.55 2.60 2.65

Time-->



#16

Methylene chloride

Concen: 0.490 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

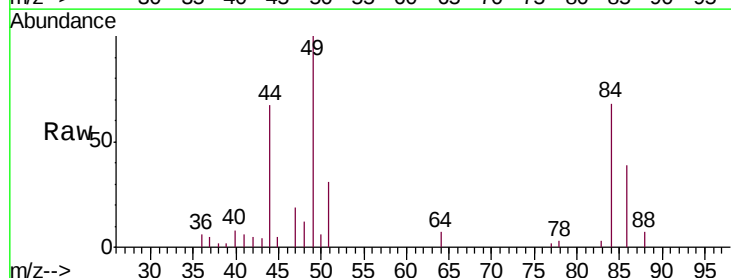
Tgt Ion: 84 Resp: 6188

Ion Ratio Lower Upper

84 100

86 57.5 42.5 78.9

49 146.2 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) (-)

6000

5000

4000

3000

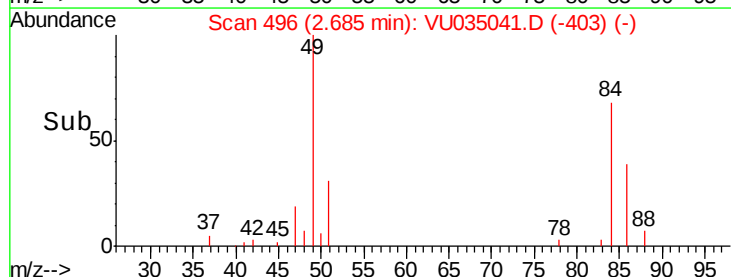
2000

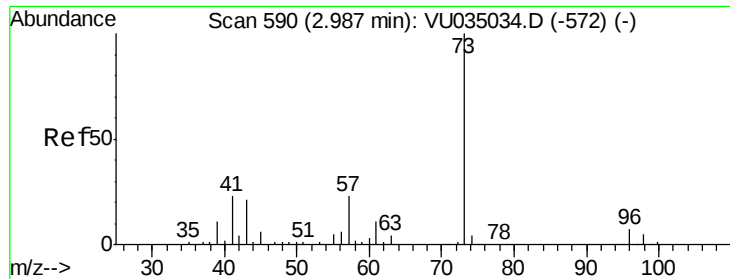
1000

0

2.65 2.70 2.75

Time-->





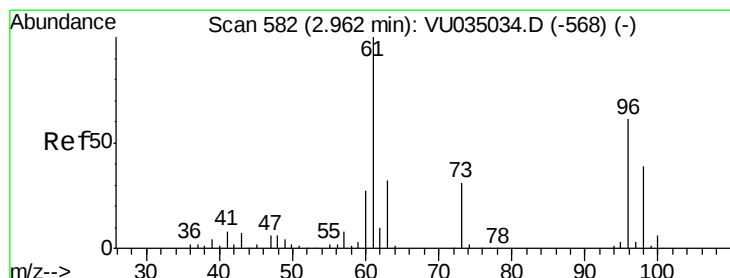
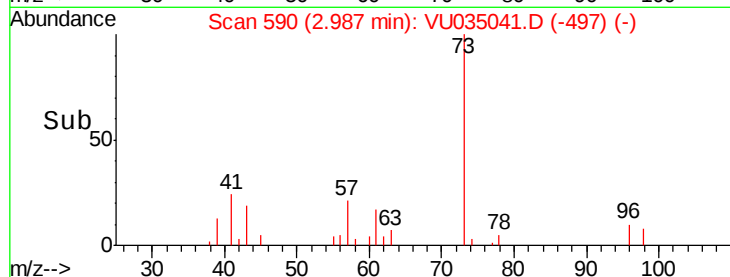
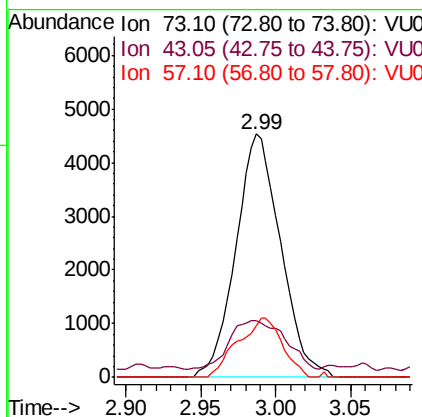
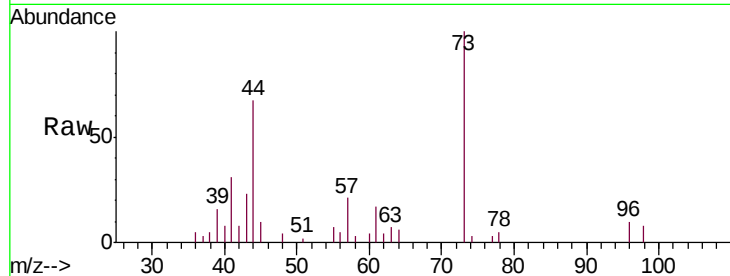
#17
Methyl tert-butyl Ether
Concen: 0.339 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.0	16.3	24.5#
57	24.1	18.6	28.0

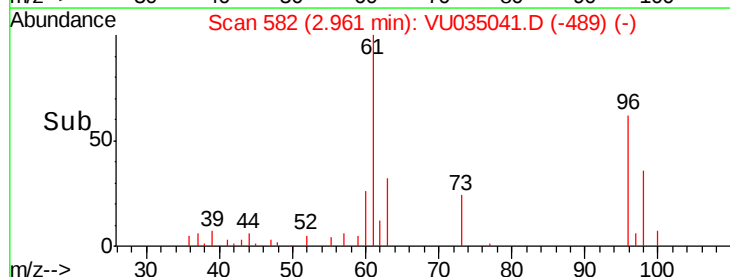
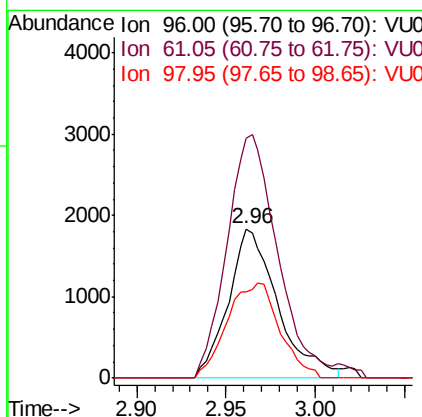
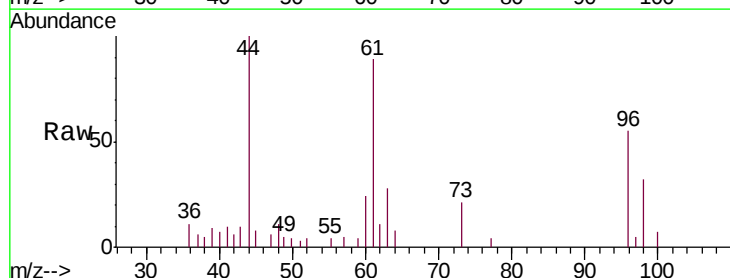
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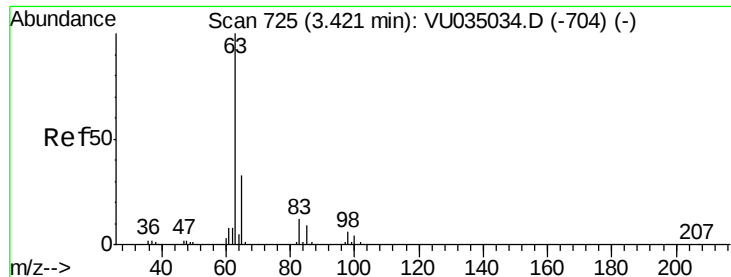
MMDadoda
10/11/2019 8:46:56 AM



#18
trans-1,2-Dichloroethene
Concen: 0.323 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	107.1	198.9
98	57.6	45.4	84.4





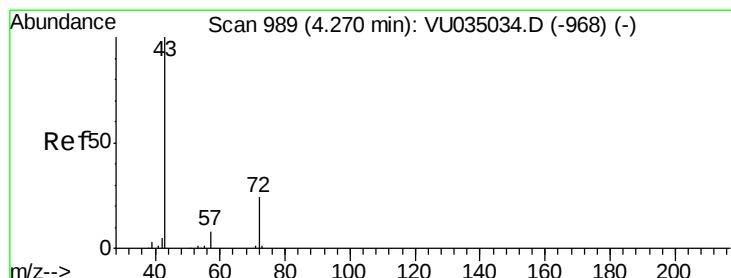
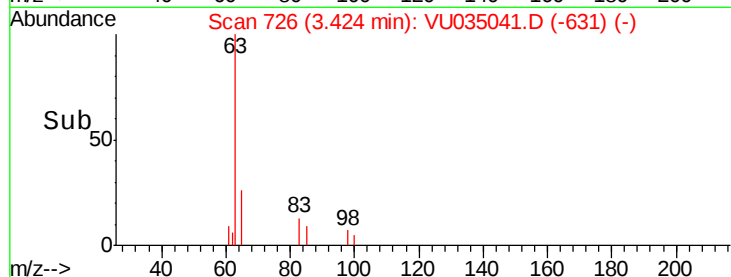
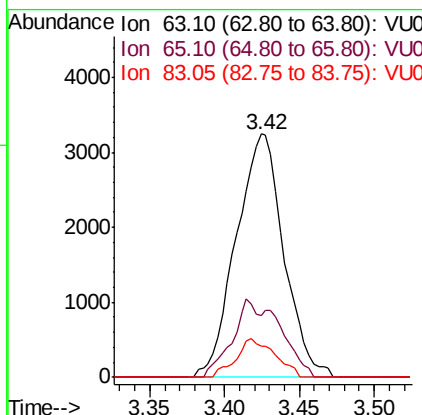
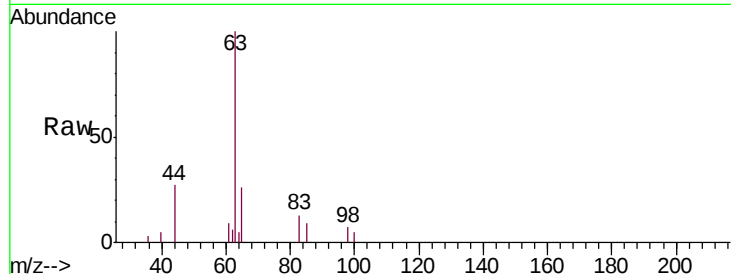
#19
 1,1-Dichloroethane
 Concen: 0.330 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
63	100		
65	25.6	21.7	40.3
83	13.0	9.0	16.8

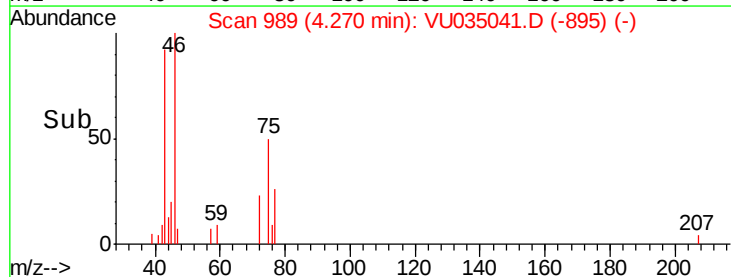
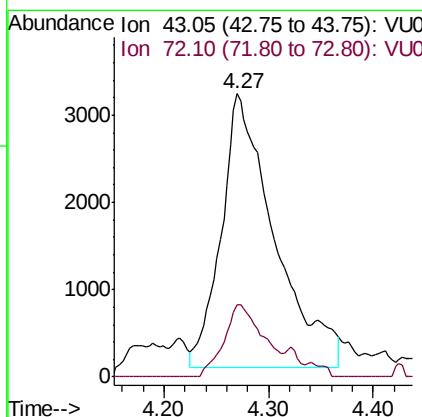
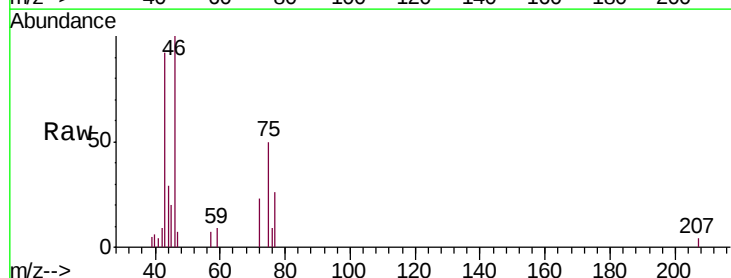
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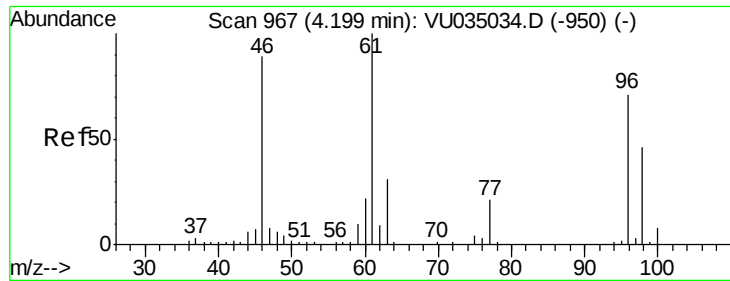
MMDadoda
 10/11/2019 8:46:56 AM



#21
 2-Butanone
 Concen: 3.451 ug/L m
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.7	13.5	40.4





#22

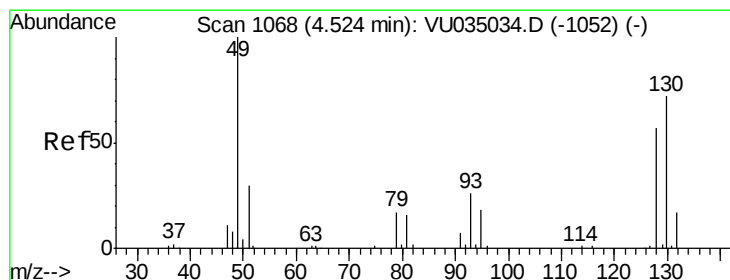
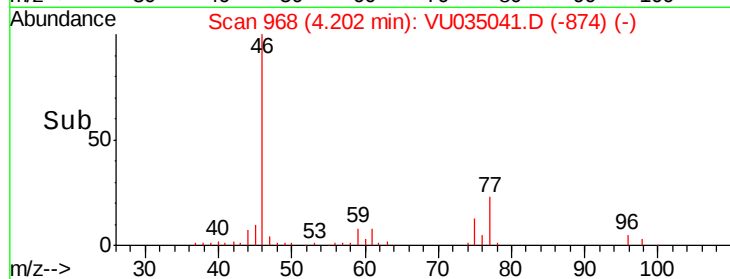
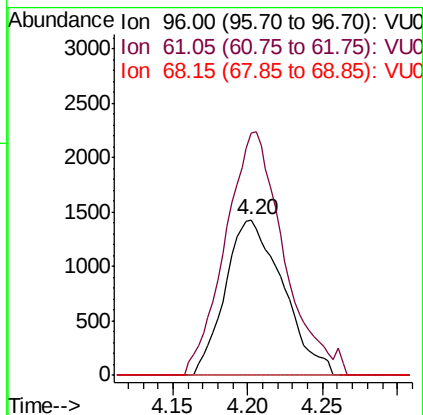
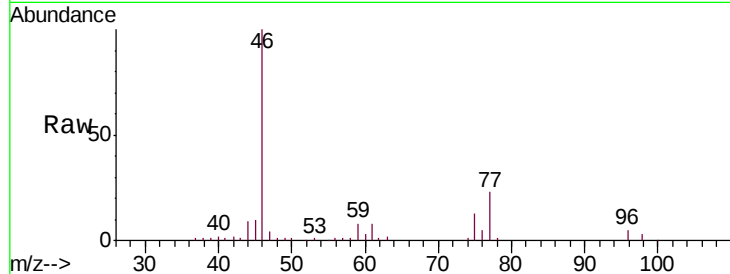
cis-1,2-Dichloroethene
 Concen: 0.316 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	89.2	165.6
68	0.0	0.0	0.0

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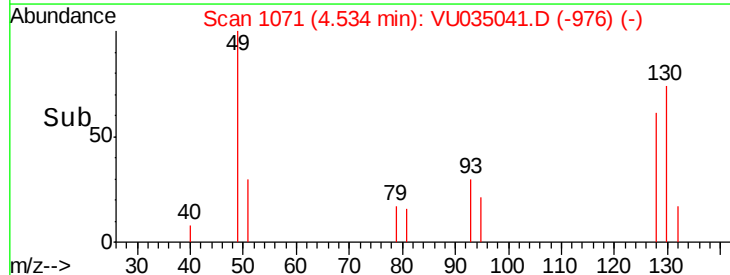
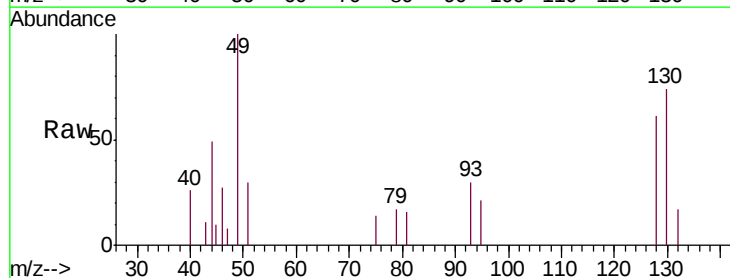
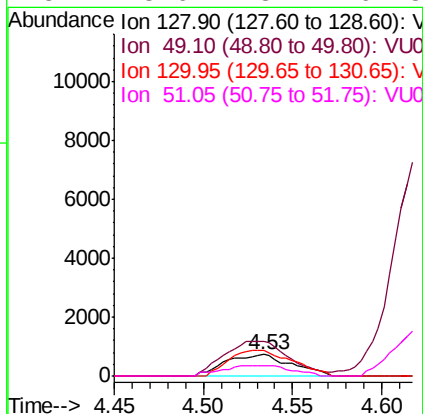
MMDadoda
 10/11/2019 8:46:56 AM

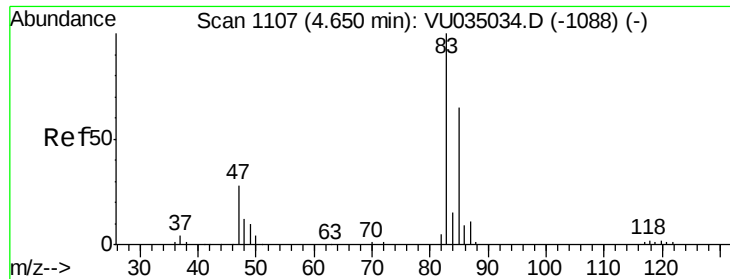


#23

Bromochloromethane
 Concen: 0.365 ug/L
 RT: 4.53 min Scan# 1071
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Tgt Ion	Ratio	Lower	Upper
128	100		
49	163.5	110.5	205.3
130	120.3	88.6	164.6
51	48.6	43.2	64.8





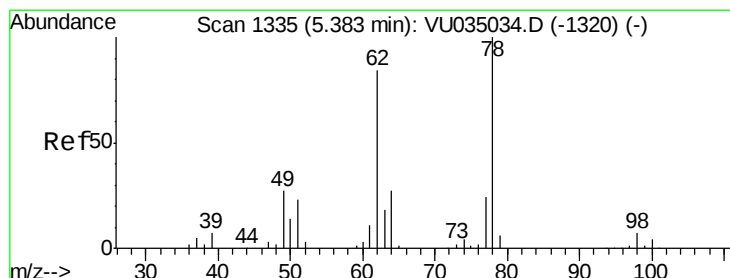
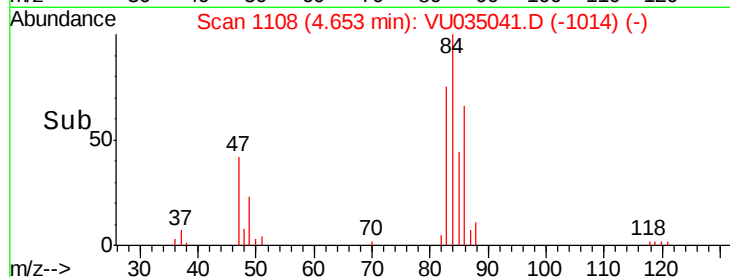
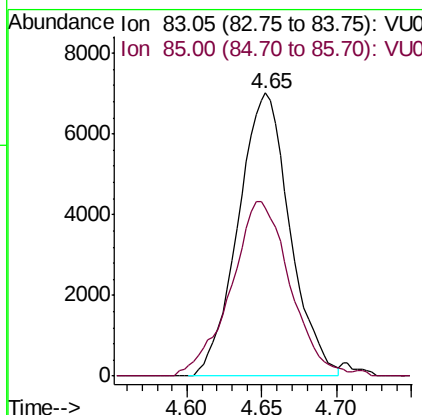
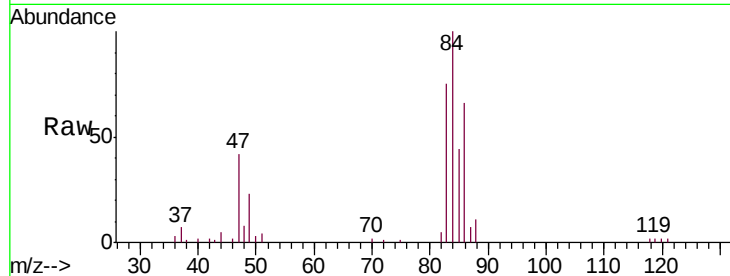
#25
Chloroform
Concen: 0.692 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion: 83 Resp: 16887
Ion Ratio Lower Upper
83 100
85 59.2 45.4 84.4

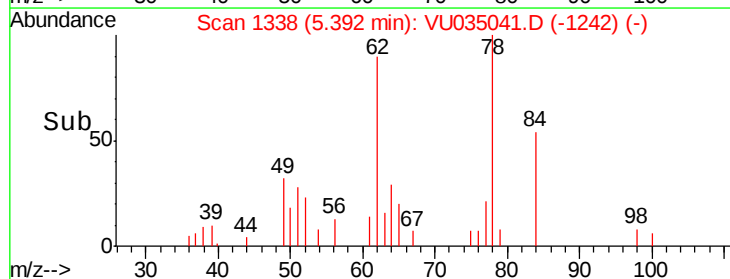
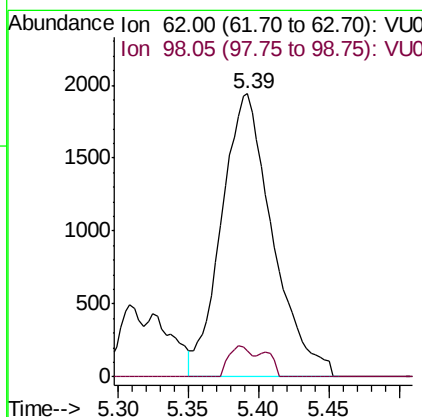
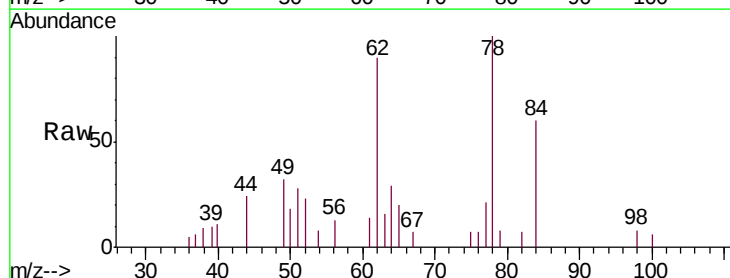
Manual Integrations
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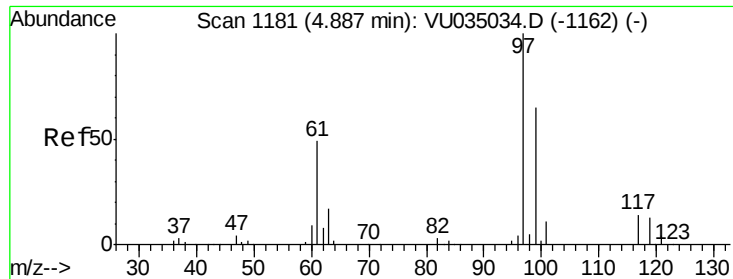
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.344 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion: 62 Resp: 4905
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0





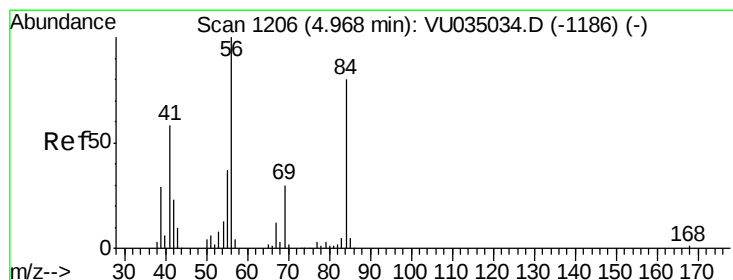
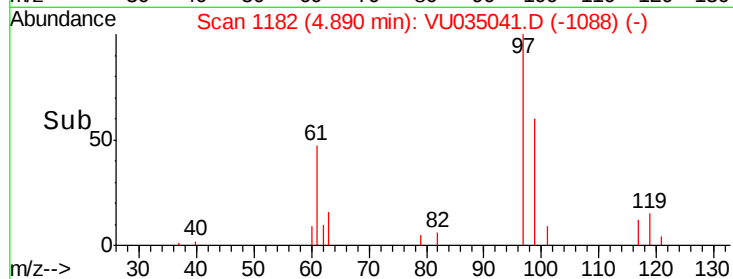
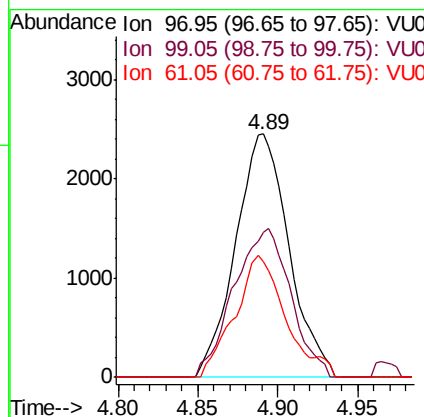
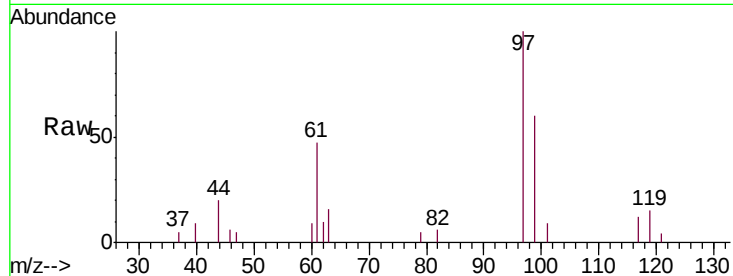
#29
1,1,1-Trichloroethane
Concen: 0.310 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.6	77.4
61	47.7	36.2	54.4

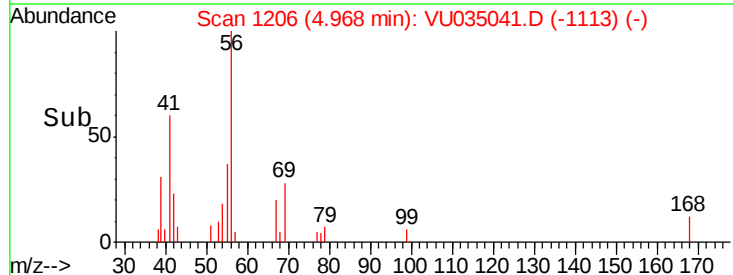
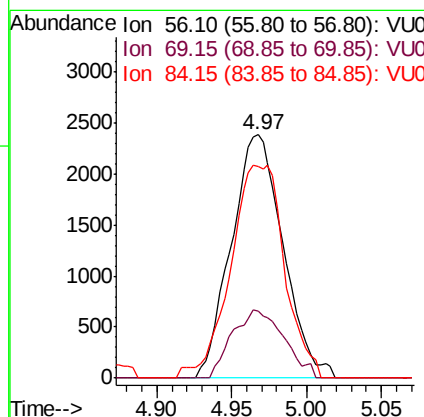
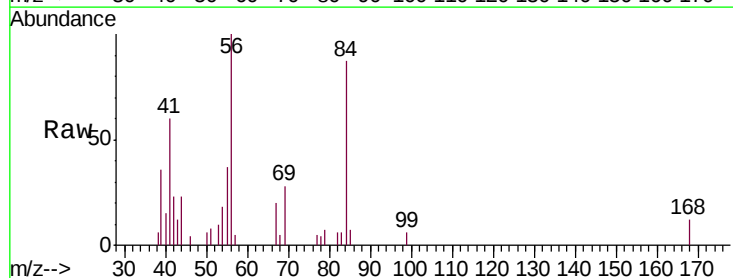
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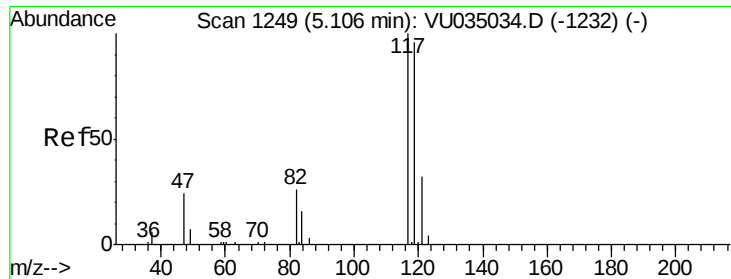
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#30
Cyclohexane
Concen: 0.290 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.9	35.9
84	90.6	69.5	104.3





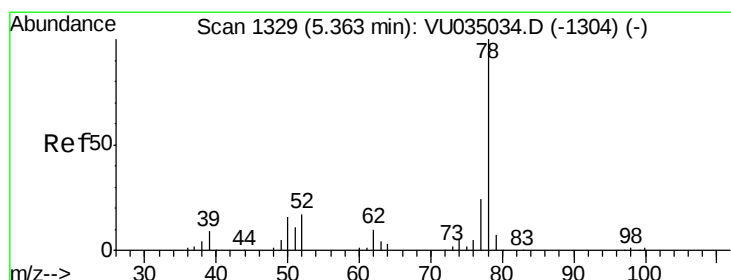
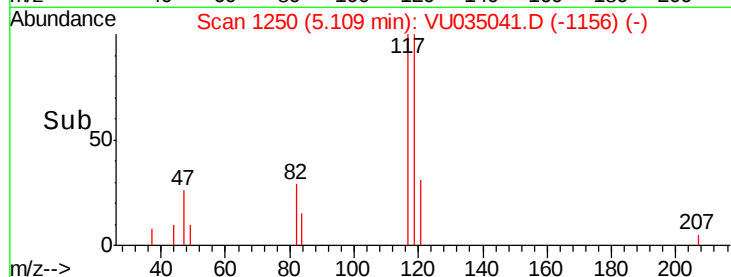
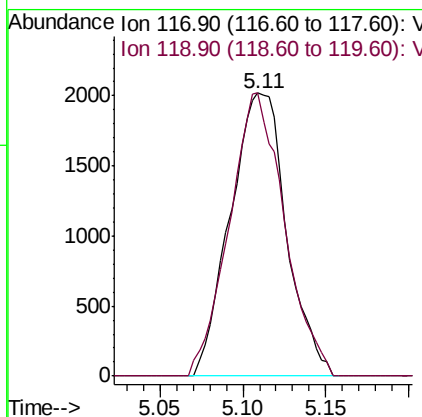
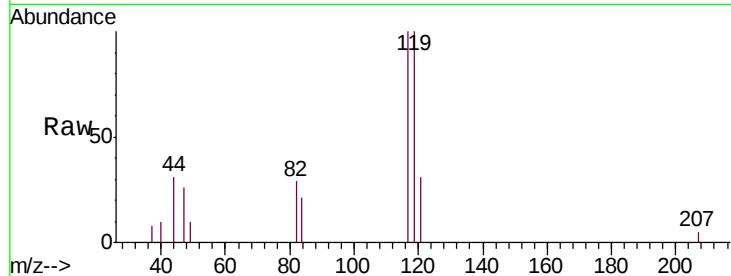
#31
Carbon tetrachloride
Concen: 0.305 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion:117 Resp: 4771
Ion Ratio Lower Upper
117 100
119 97.5 77.5 116.3

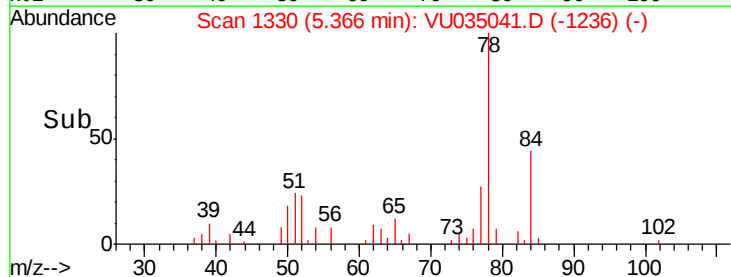
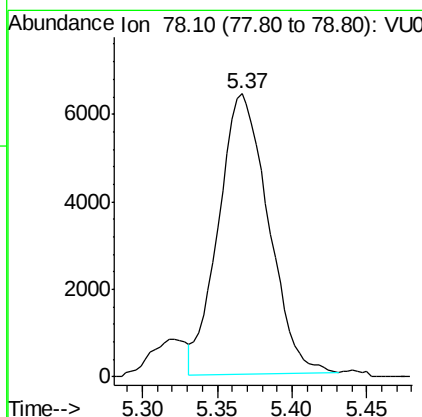
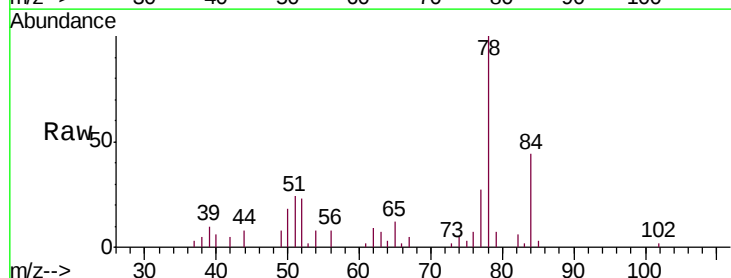
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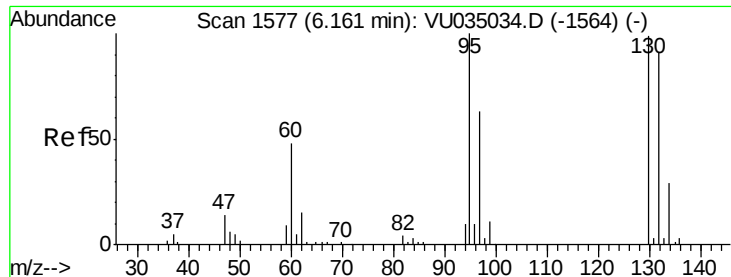
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#33
Benzene
Concen: 0.306 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion: 78 Resp: 14822





#34

Trichloroethene

Concen: 0.326 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 95 Resp: 4070

Ion Ratio Lower Upper

95 100

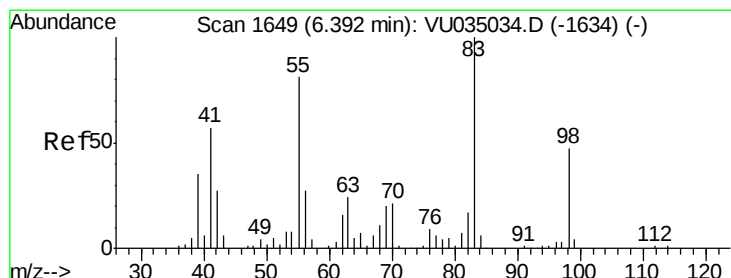
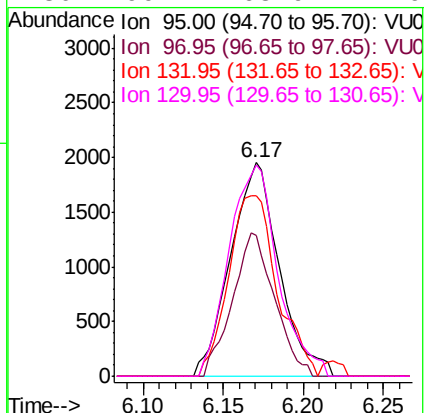
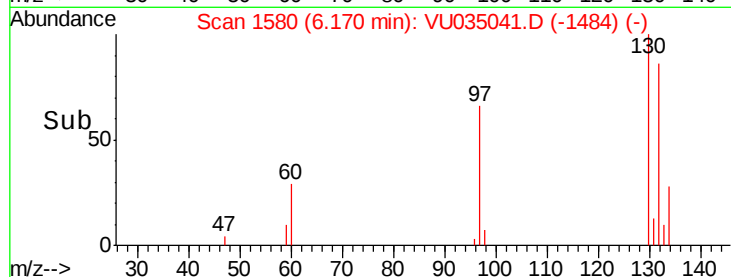
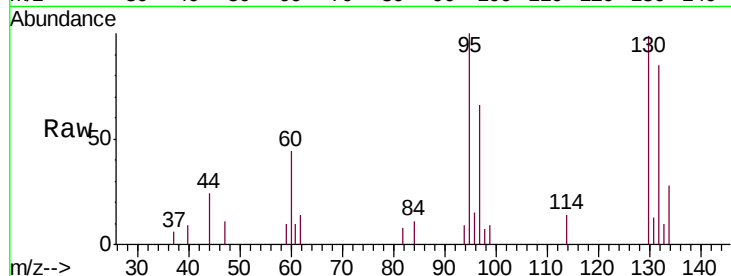
97 65.6 44.5 82.7

132 84.8 66.6 123.8

130 99.1 68.9 127.9

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#35

Methylcyclohexane

Concen: 0.303 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

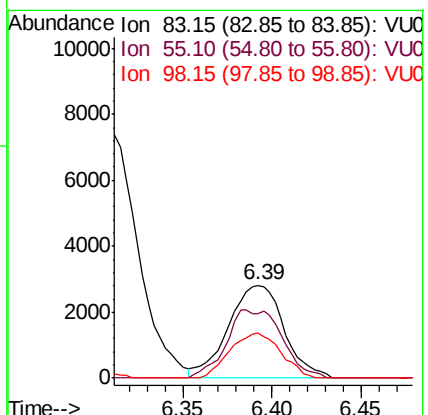
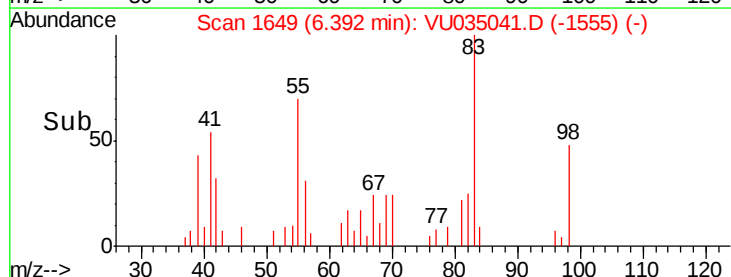
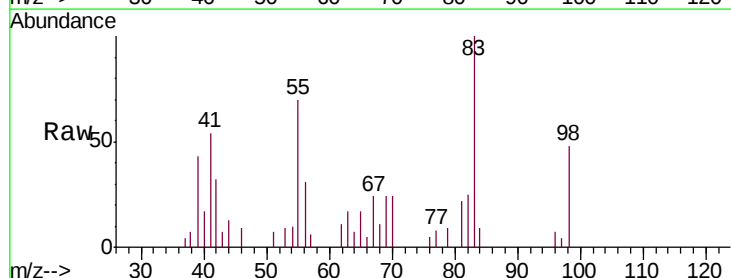
Tgt Ion: 83 Resp: 6128

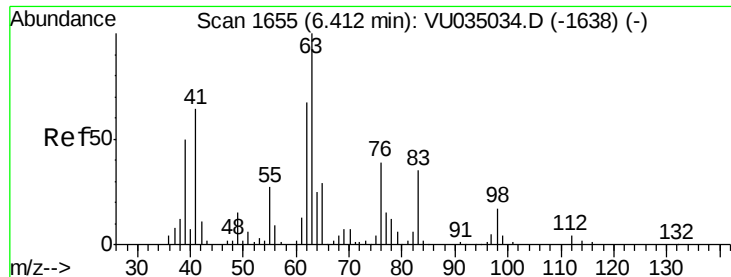
Ion Ratio Lower Upper

83 100

55 73.9 62.6 94.0

98 44.7 36.2 54.2





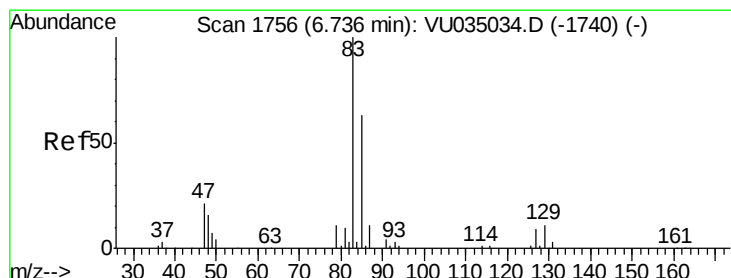
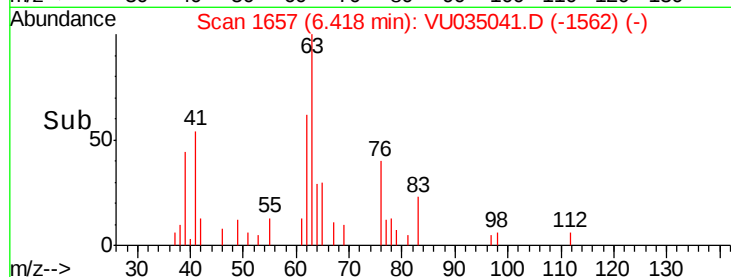
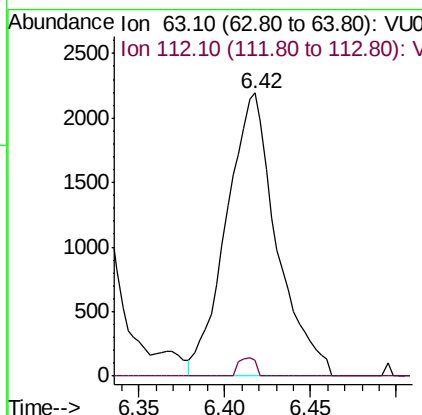
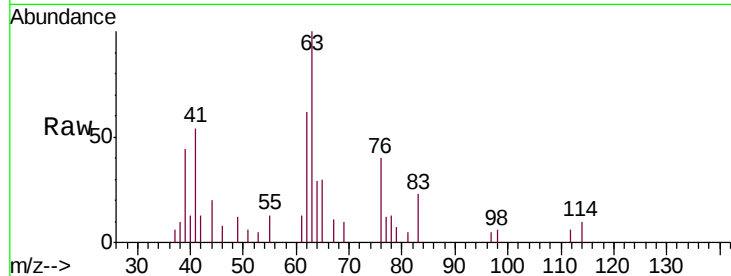
#37
 1,2-Dichloropropane
 Concen: 0.342 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion: 63 Resp: 4465
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.1 4.7#

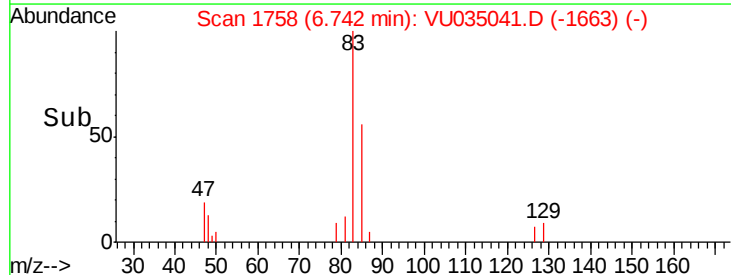
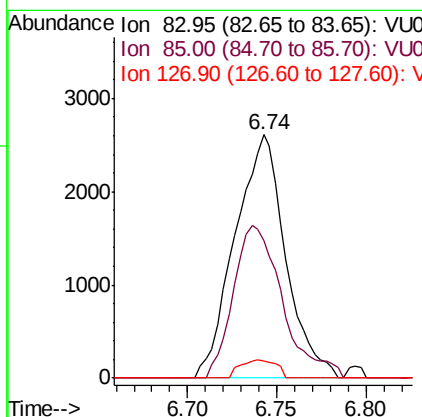
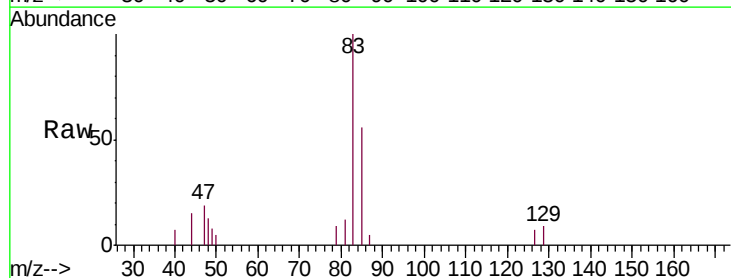
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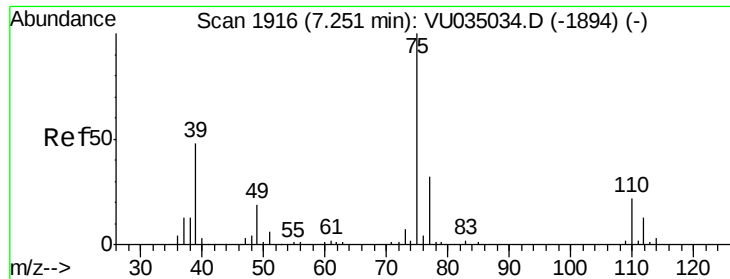
MMDadoda
 10/11/2019 8:46:56 AM



#38
 Bromodichloromethane
 Concen: 0.336 ug/L
 RT: 6.74 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Tgt Ion: 83 Resp: 5153
 Ion Ratio Lower Upper
 83 100
 85 56.2 44.0 81.8
 127 7.0 7.0 10.4





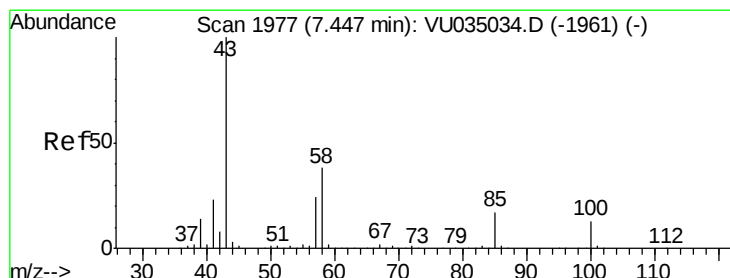
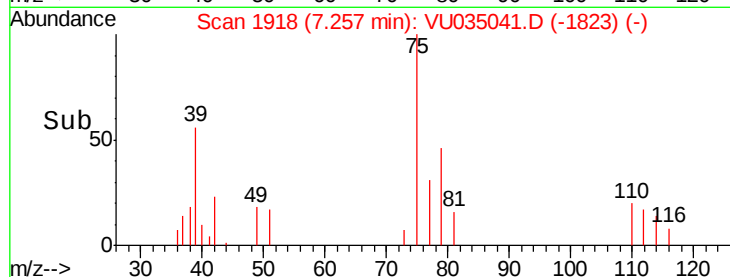
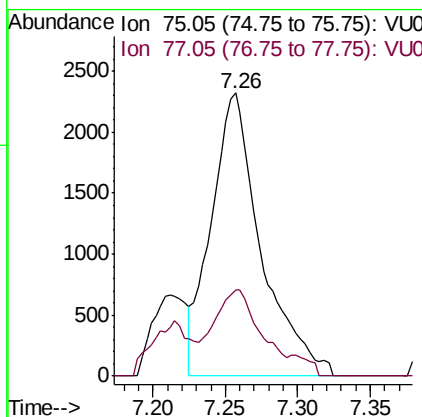
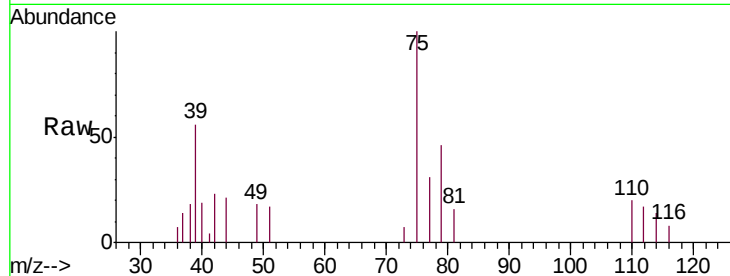
#39
 cis-1,3-Dichloropropene
 Concen: 0.313 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tgt Ion: 75 Resp: 5535
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.1 41.1

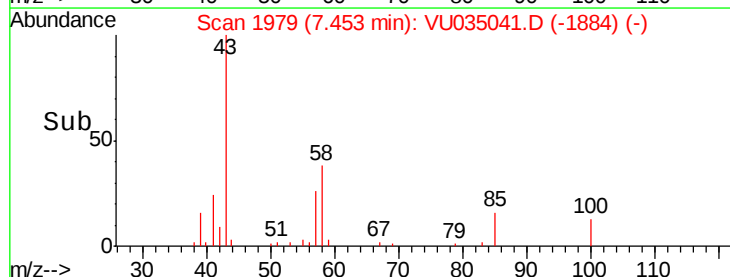
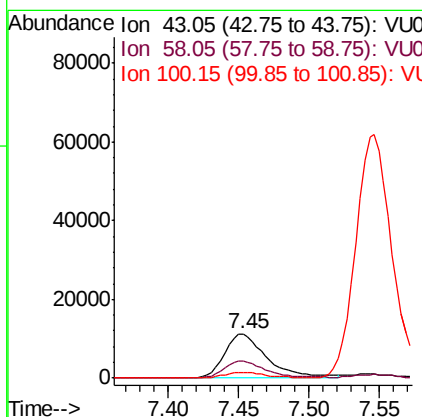
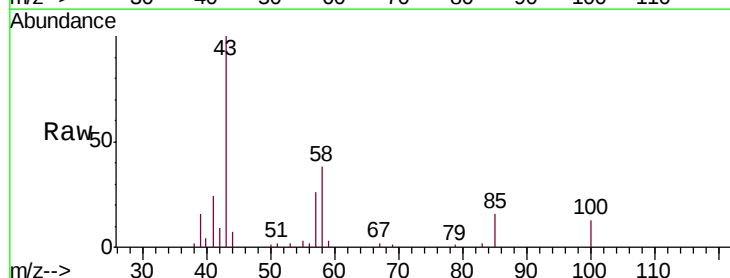
Manual Integrations
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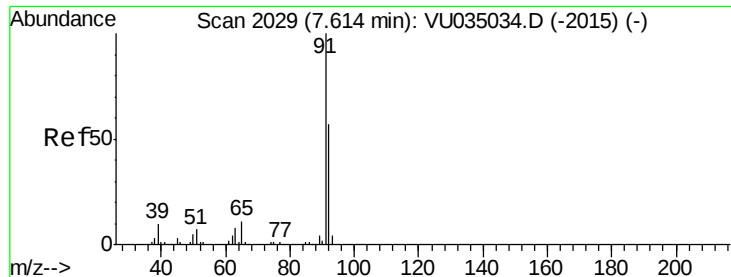
MMDadoda
 10/11/2019 8:46:56 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.883 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Tgt Ion: 43 Resp: 23721
 Ion Ratio Lower Upper
 43 100
 58 36.5 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.297 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 91 Resp: 15004

Ion Ratio Lower Upper

91 100

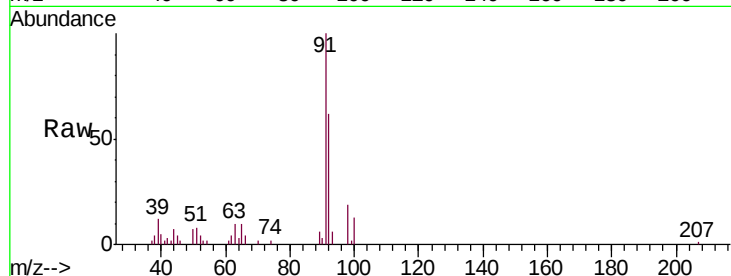
92 62.0 40.0 74.2

Manual Integrations

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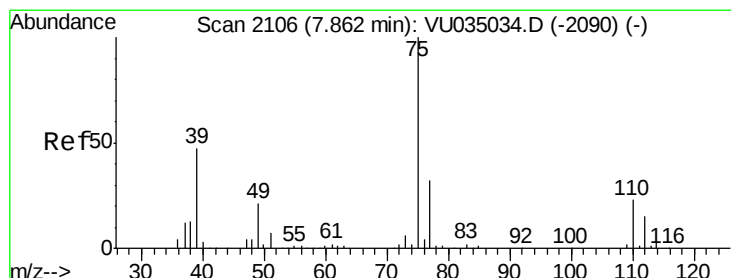
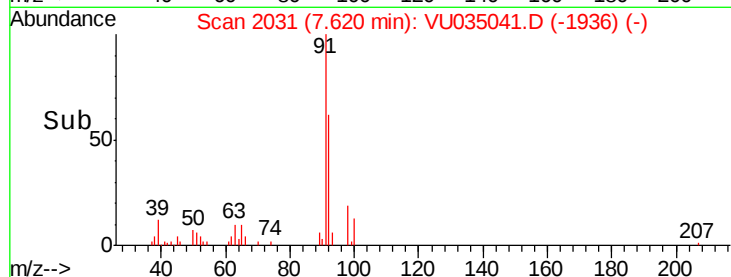
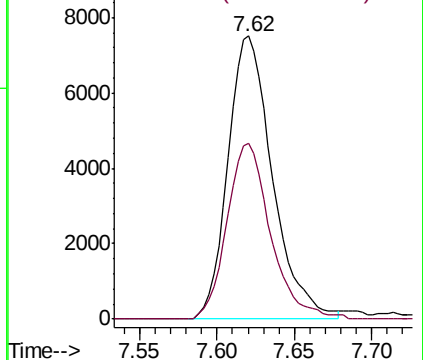
MMDadoda

10/11/2019 8:46:56 AM



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

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



#44

trans-1,3-Dichloropropene

Concen: 0.297 ug/L m

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU035041.D

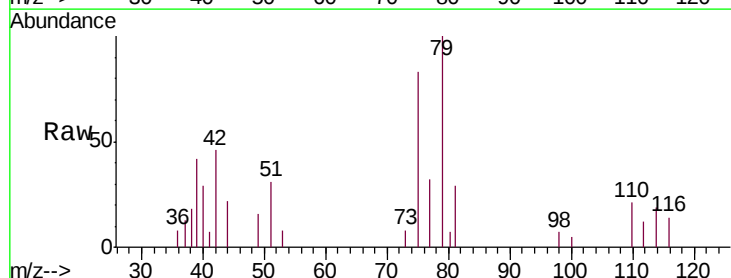
Acq: 10 Oct 2019 12:19

Tgt Ion: 75 Resp: 4073

Ion Ratio Lower Upper

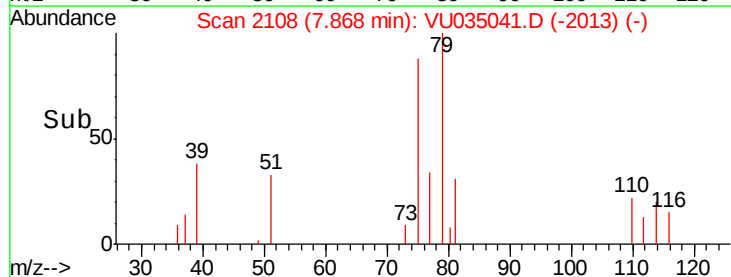
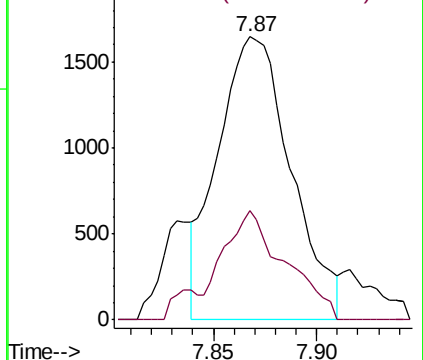
75 100

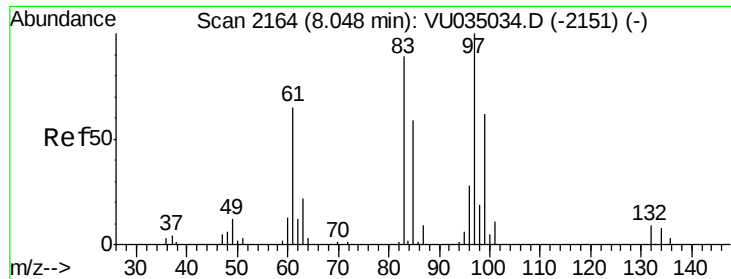
77 38.5 21.6 40.0



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

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





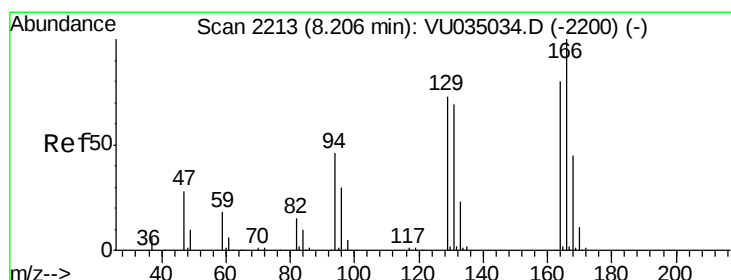
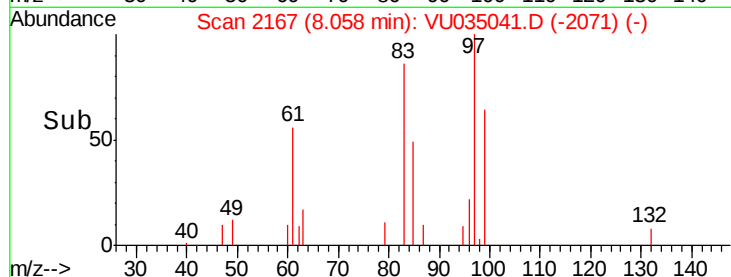
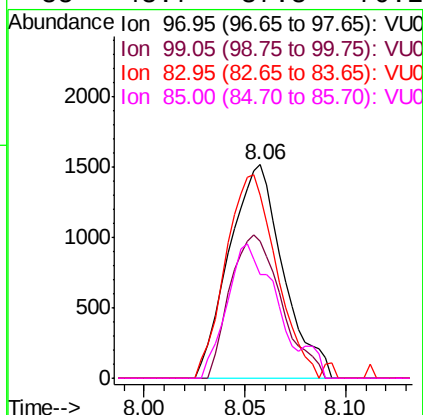
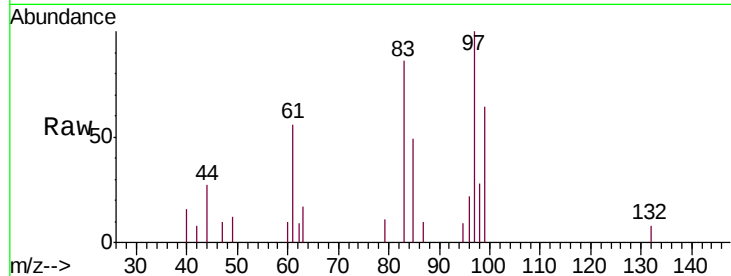
#45
 1,1,2-Trichloroethane
 Concen: 0.327 ug/L
 RT: 8.06 min Scan# 2167
 Delta R.T. 0.01 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:	97	Resp:	2835
Ion	Ratio	Lower	Upper
97	100		
99	64.1	42.3	78.5
83	85.9	58.0	107.6
85	48.7	37.8	70.2

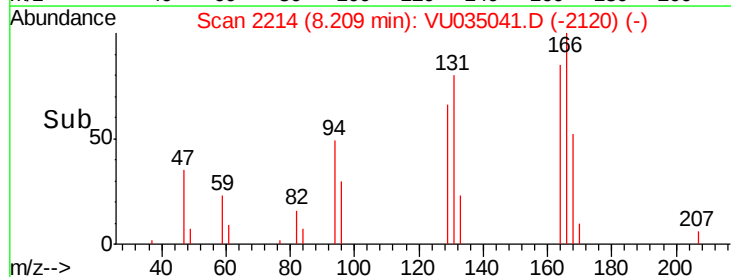
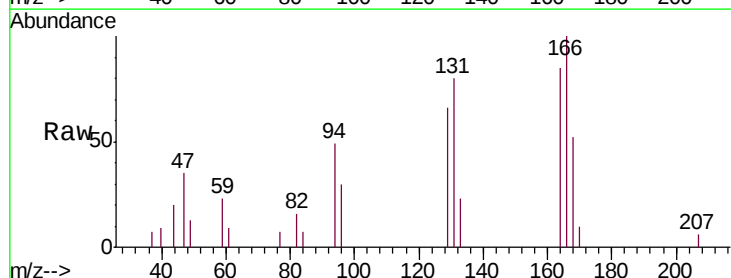
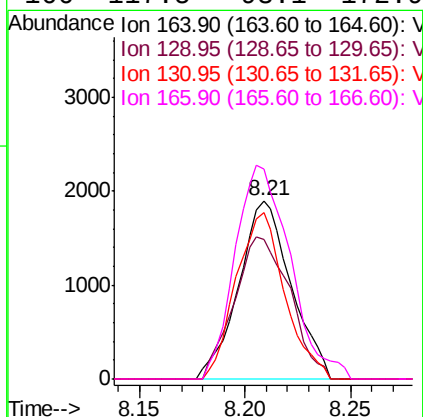
Manual Integrations
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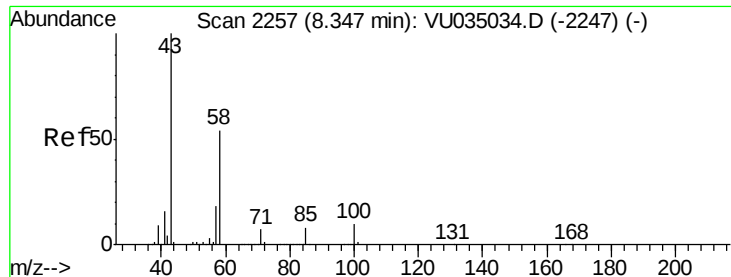
MMDadoda
 10/11/2019 8:46:56 AM



#47
 Tetrachloroethene
 Concen: 0.324 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Tgt Ion:	164	Resp:	3277
Ion	Ratio	Lower	Upper
164	100		
129	78.0	68.5	127.1
131	93.7	67.3	124.9
166	117.5	93.1	172.9





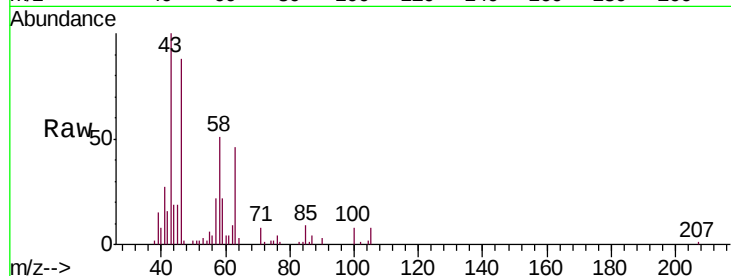
#48
2-Hexanone
Concen: 3.511 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampled :
MDL06

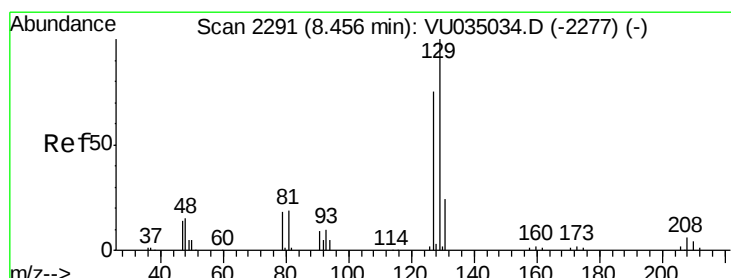
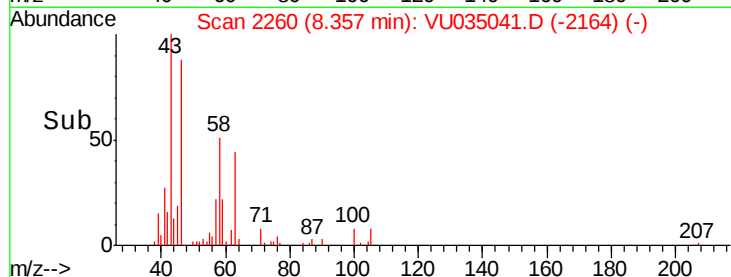
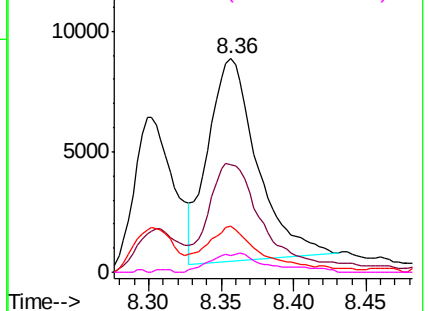
Tgt Ion:	43	Resp:	19807
Ion	Ratio	Lower	Upper
43	100		
58	59.2	44.1	66.1
57	20.1	15.8	23.8
100	11.2	9.4	14.2

Manual Integrations
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MMDadoda
10/11/2019 8:46:56 AM

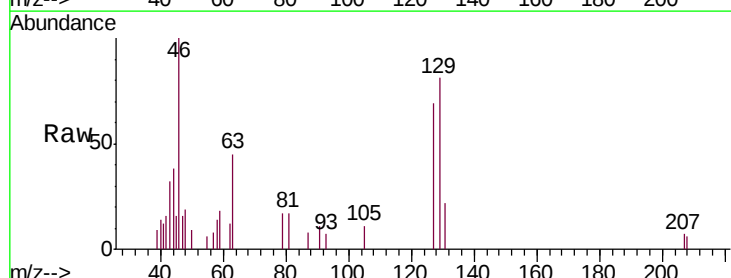


Abundance Ion 43.05 (42.75 to 43.75): VU035041.D (-2164) (-)
Ion 58.05 (57.75 to 58.75): VU035041.D (-2164) (-)
Ion 57.20 (56.90 to 57.90): VU035041.D (-2164) (-)
Ion 100.15 (99.85 to 100.85): VU035041.D (-2164) (-)

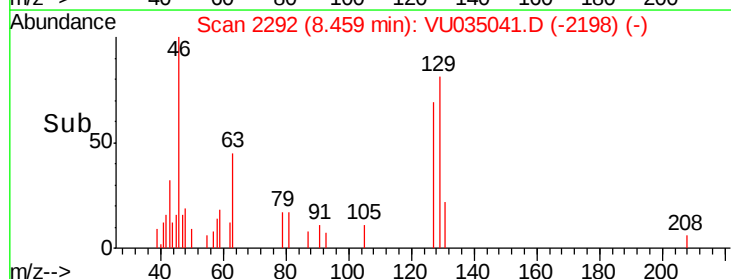
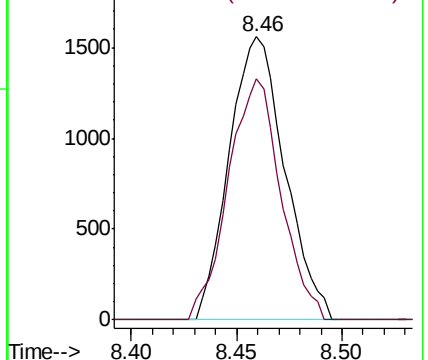


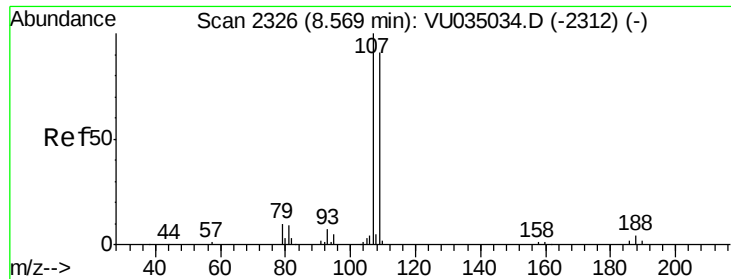
#49
Dibromochloromethane
Concen: 0.285 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion:	129	Resp:	2857
Ion	Ratio	Lower	Upper
129	100		
127	85.0	51.9	96.5



Abundance Ion 128.95 (128.65 to 129.65): VU035041.D (-2198) (-)
Ion 126.90 (126.60 to 127.60): VU035041.D (-2198) (-)





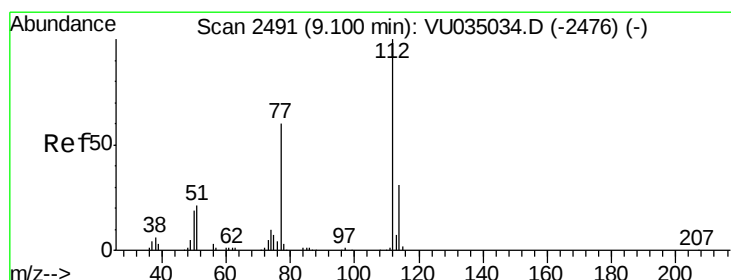
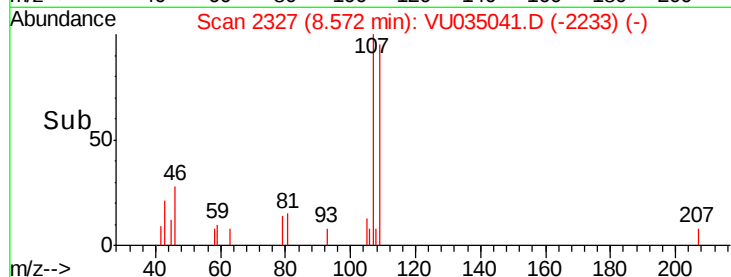
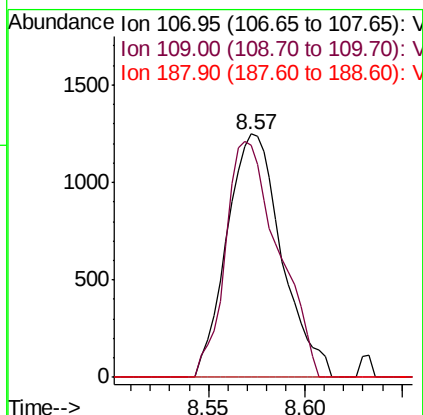
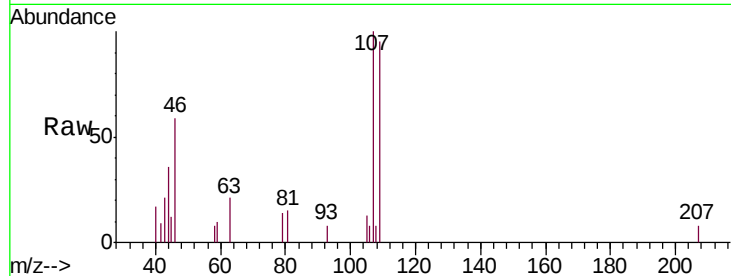
#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2462		
109	95.4	64.8	120.4	
188	0.0	3.0	4.6#	

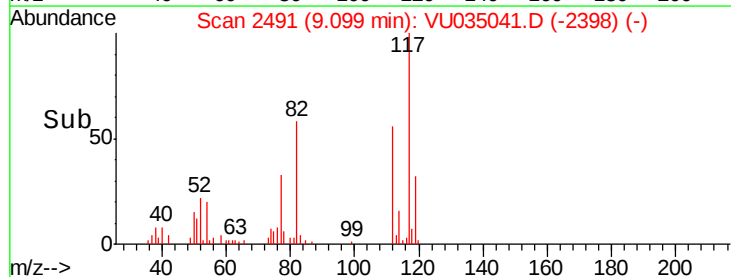
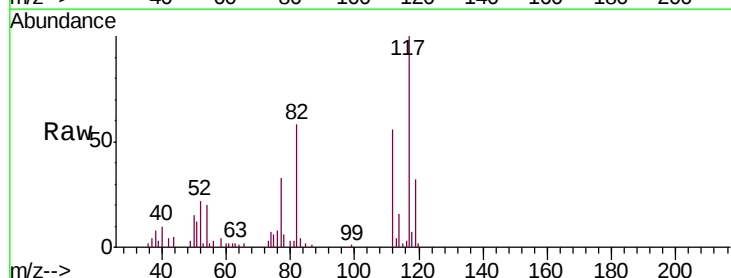
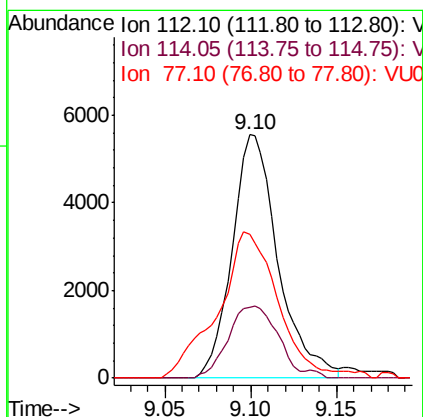
Manual Integrations
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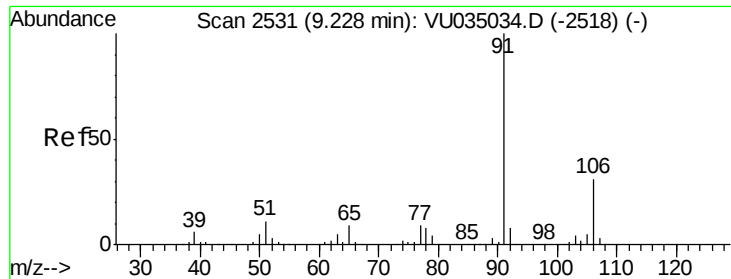
MMDadoda
10/11/2019 8:46:56 AM



#51
Chlorobenzene
Concen: 0.317 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	10377		
114	29.0	22.1	41.1	
77	58.9	46.9	70.3	





#52

Ethylbenzene

Concen: 0.299 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Tgt Ion: 91 Resp: 16696

Ion Ratio Lower Upper

91 100

106 28.4 21.6 40.2

Instrument :

MSVOA_U

ClientSampled :

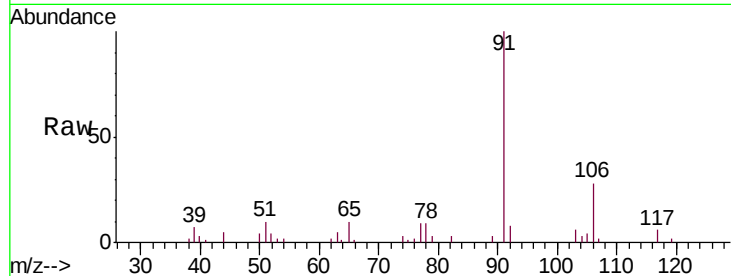
MDL06

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Abundance Ion 91.15 (90.85 to 91.85): VU035041.D (-2518) (-)

Ion 106.15 (105.85 to 106.85): VU035041.D (-2518) (-)

9.23

10000

8000

6000

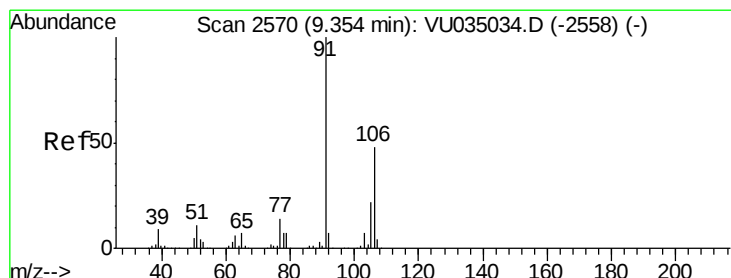
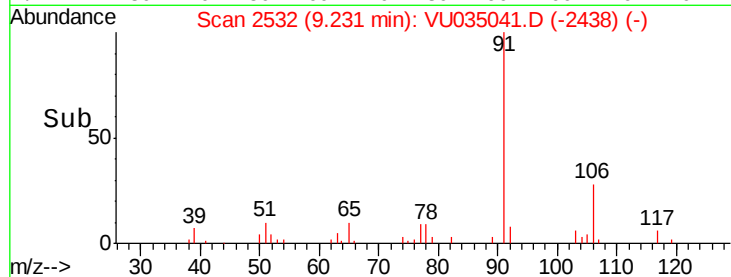
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 0.288 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU035041.D

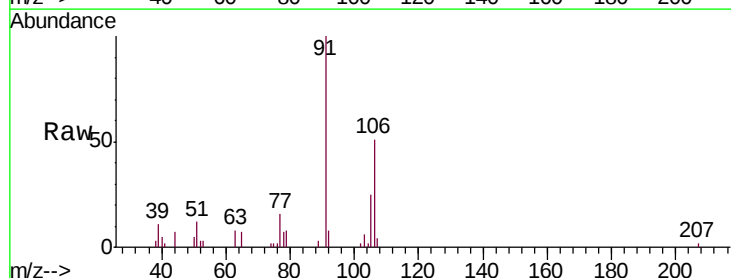
Acq: 10 Oct 2019 12:19

Tgt Ion: 106 Resp: 5933

Ion Ratio Lower Upper

106 100

91 198.0 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU035041.D (-2558) (-)

Ion 91.15 (90.85 to 91.85): VU035041.D (-2558) (-)

9.36

6000

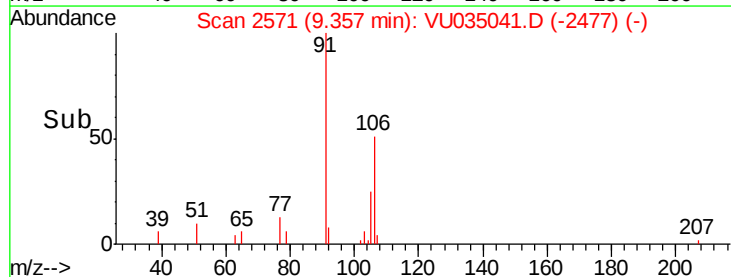
4000

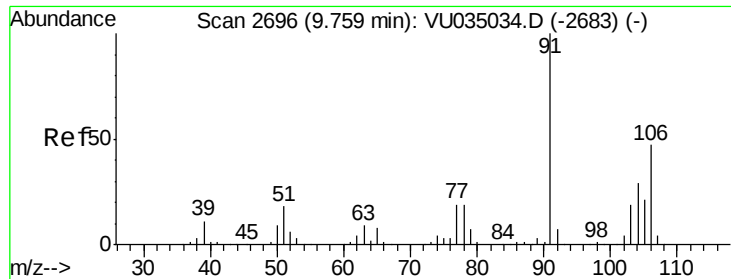
2000

0

9.30 9.35 9.40 9.45

Time-->





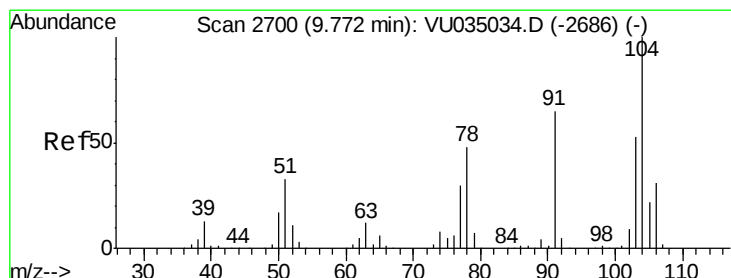
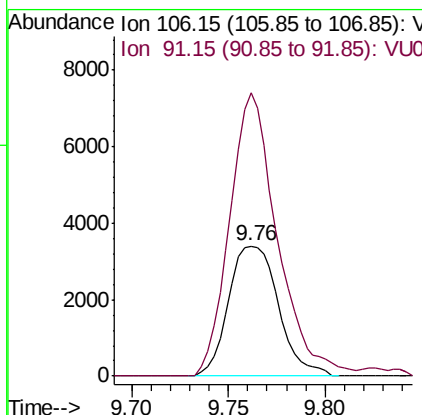
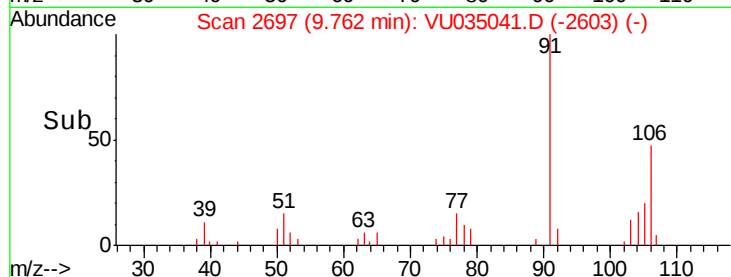
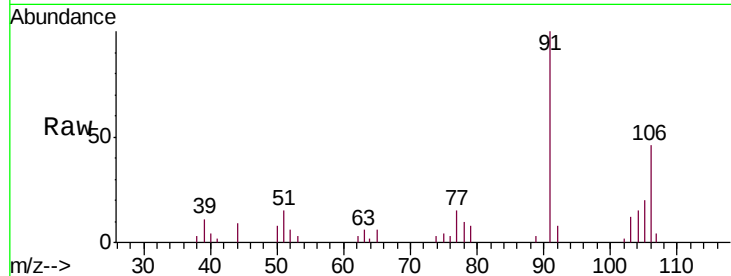
#54
o-Xylene
Concen: 0.303 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion:106 Resp: 6111
Ion Ratio Lower Upper
106 100
91 217.1 148.5 275.7

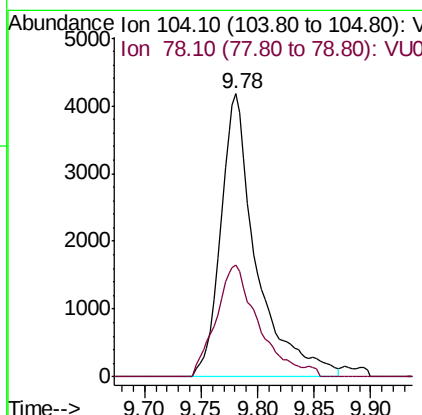
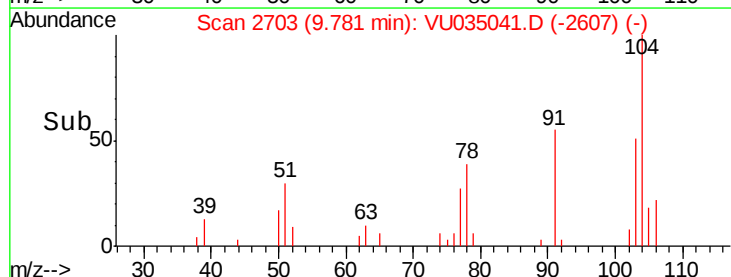
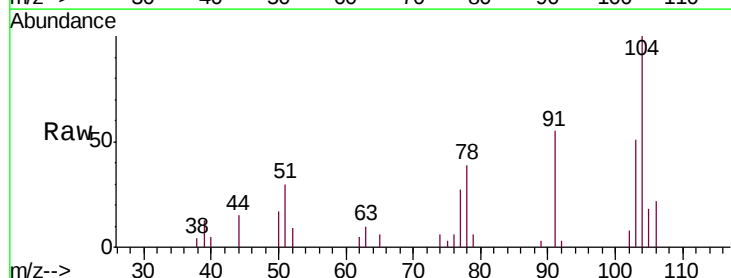
Manual Integrations
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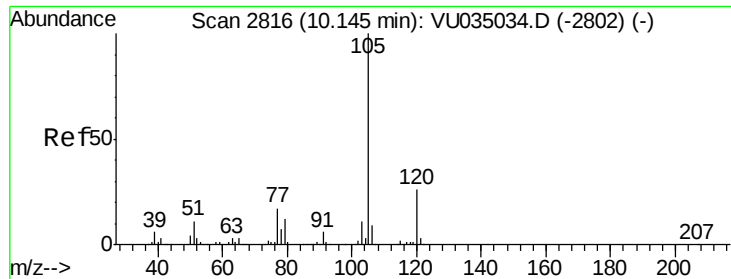
MMDadoda
10/11/2019 8:46:56 AM



#55
Styrene
Concen: 0.279 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU035041.D
Acq: 10 Oct 2019 12:19

Tgt Ion:104 Resp: 9119
Ion Ratio Lower Upper
104 100
78 39.4 32.8 60.8





#56

Isopropylbenzene

Concen: 0.279 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

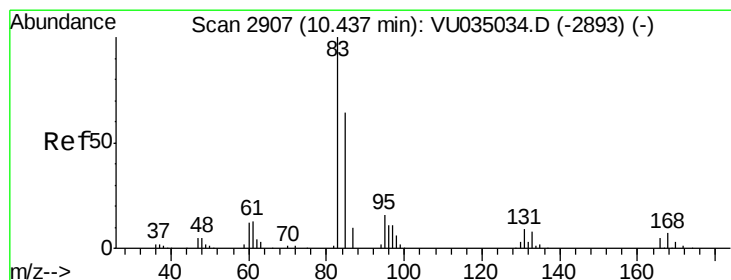
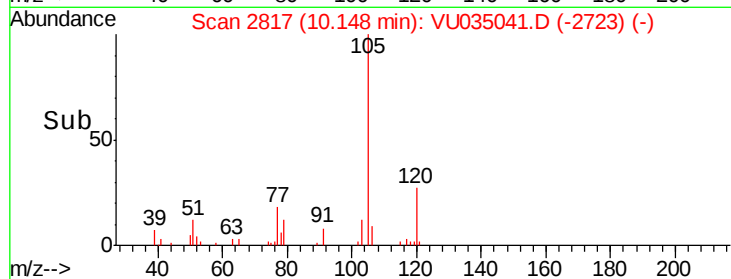
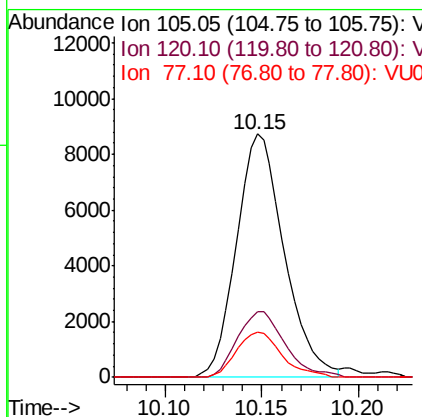
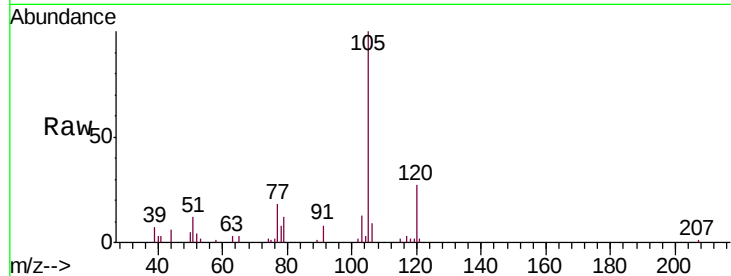
ClientSampleId :

MDL06

Tgt Ion:	105	Resp:	14977
Ion Ratio	Lower	Upper	
105	100		
120	27.1	21.3	31.9
77	17.8	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.352 ug/L

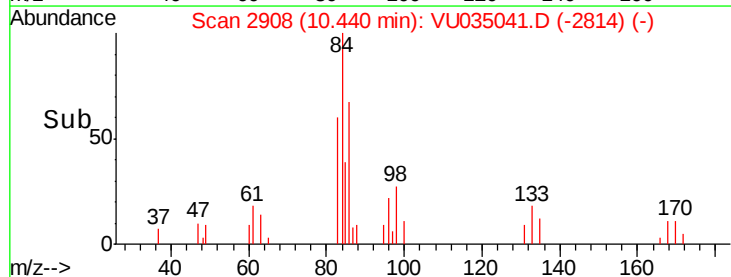
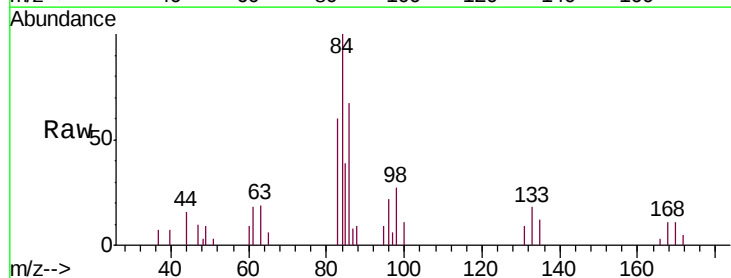
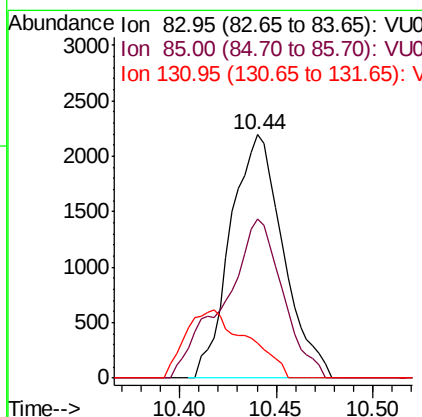
RT: 10.44 min Scan# 2908

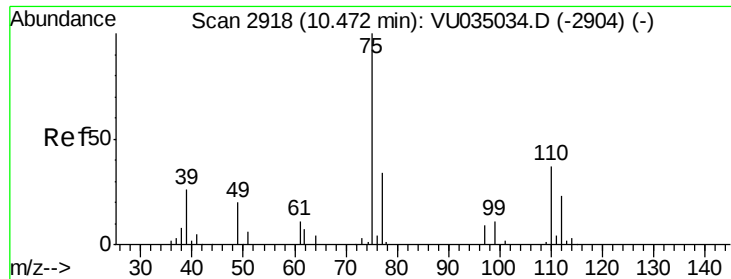
Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Tgt Ion:	83	Resp:	4157
Ion Ratio	Lower	Upper	
83	100		
85	65.3	44.6	82.8
131	14.3	7.4	11.2#





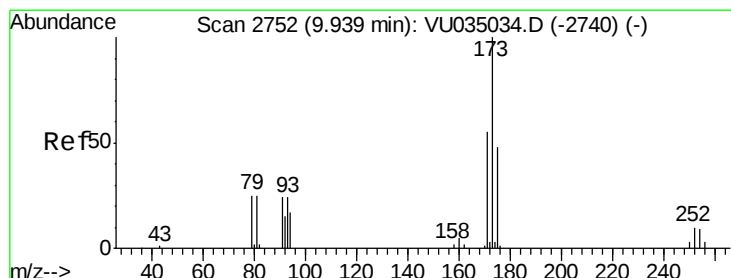
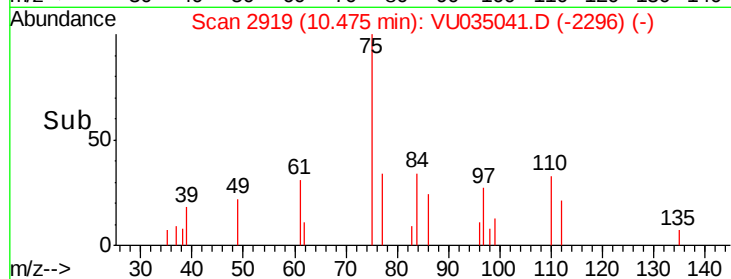
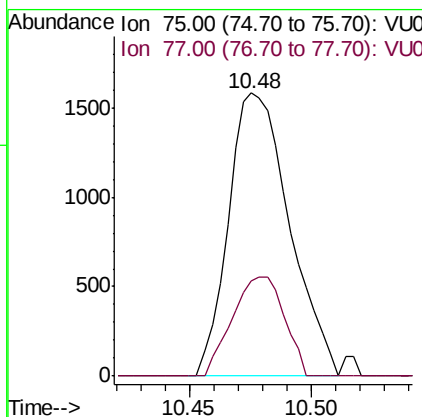
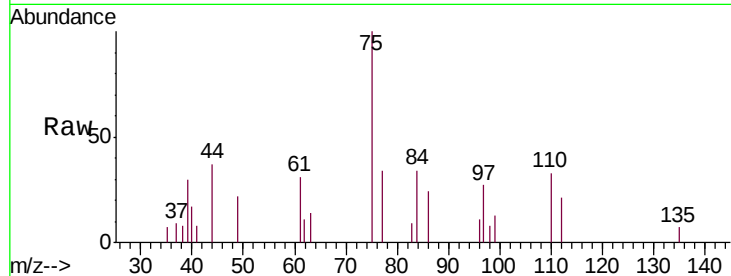
#59
 1,2,3-Trichloropropane
 Concen: 0.324 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion: 75 Resp: 2739
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.5 39.7

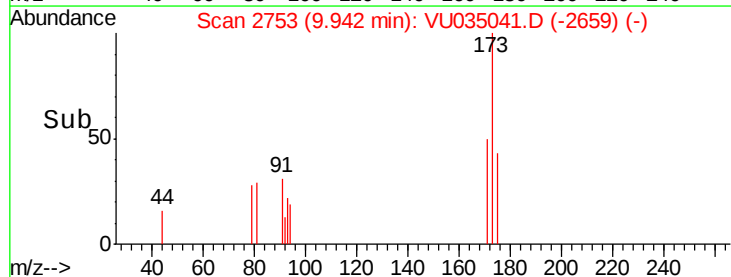
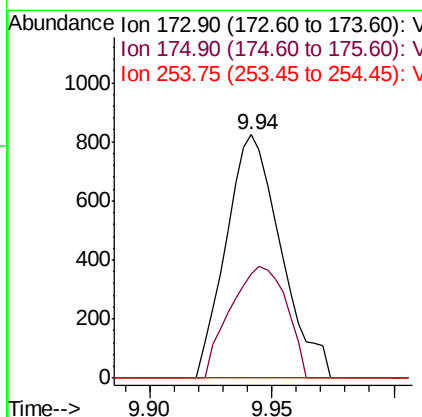
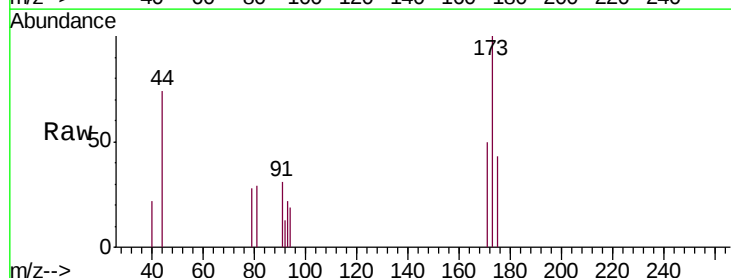
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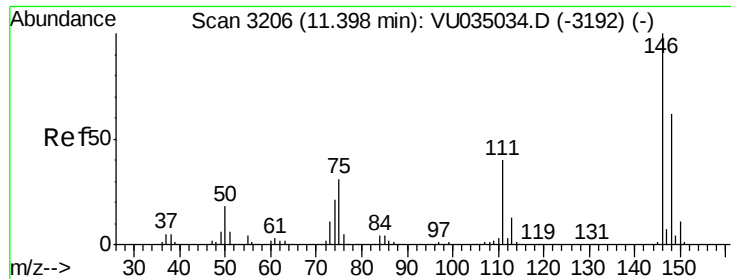
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#61
 Bromoform
 Concen: 0.276 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Tgt Ion: 173 Resp: 1284
 Ion Ratio Lower Upper
 173 100
 175 47.2 37.2 55.8
 254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.330 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

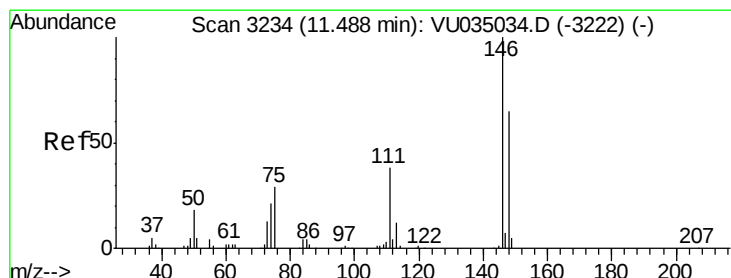
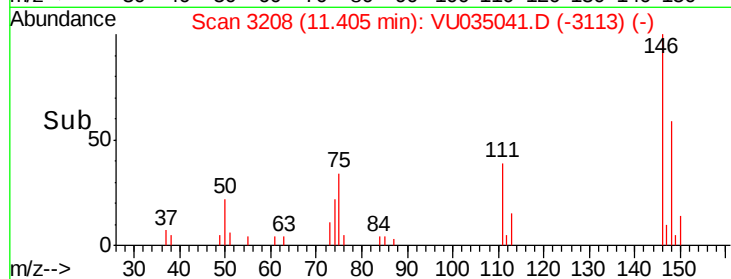
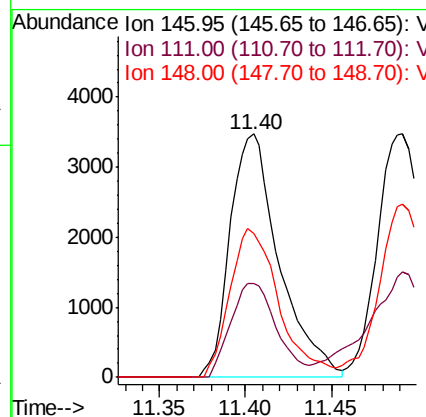
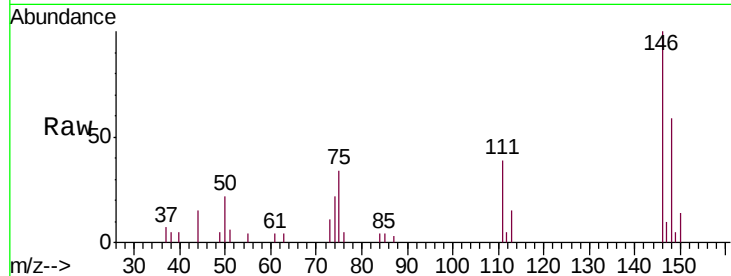
ClientSampleId :

MDL06

Tgt Ion:	146	Resp:	6900
Ion Ratio	Lower	Upper	
146	100		
111	38.8	28.6	53.2
148	59.0	45.0	83.6

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#63

1,4-Dichlorobenzene

Concen: 0.345 ug/L

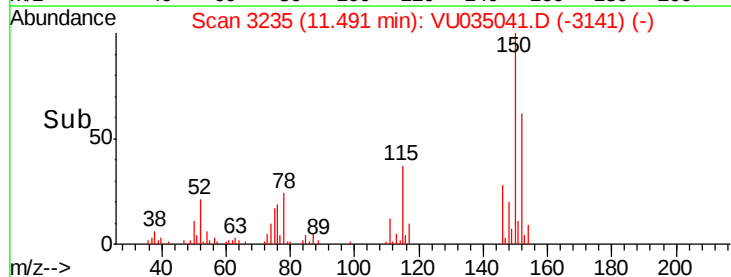
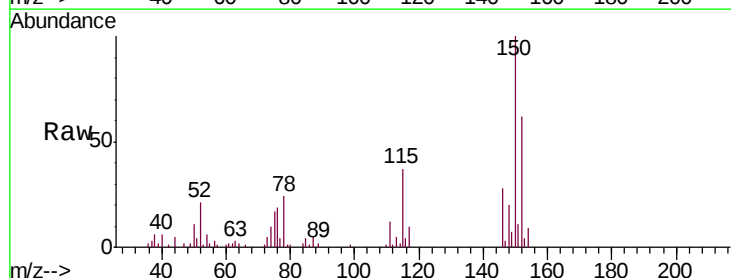
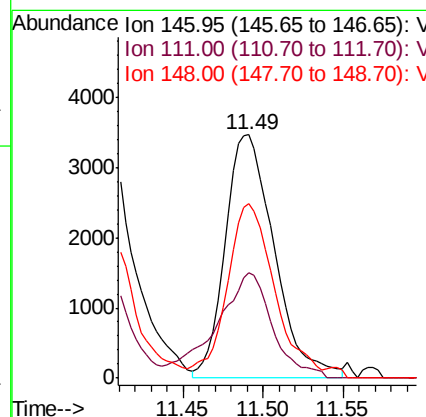
RT: 11.49 min Scan# 3235

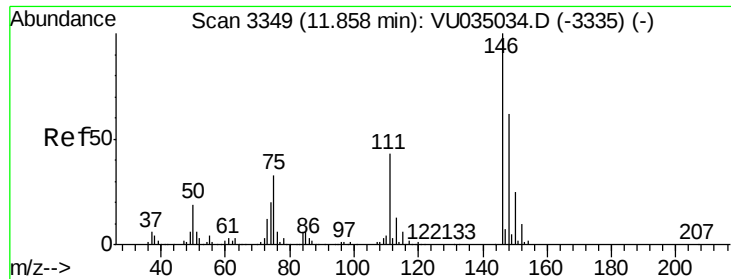
Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Tgt Ion:	146	Resp:	7284
Ion Ratio	Lower	Upper	
146	100		
111	43.3	27.9	51.7
148	71.5	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 0.348 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Instrument :

MSVOA_U

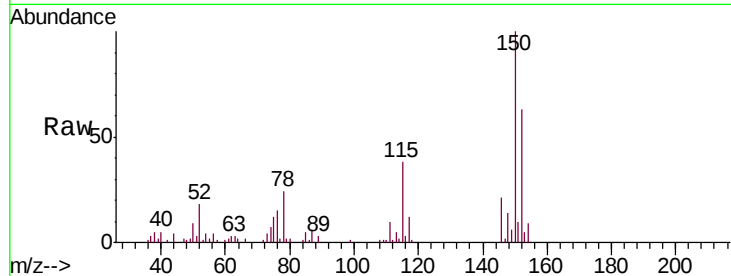
ClientSampled :

MDL06

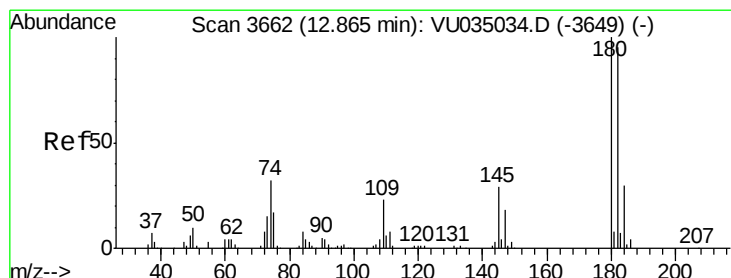
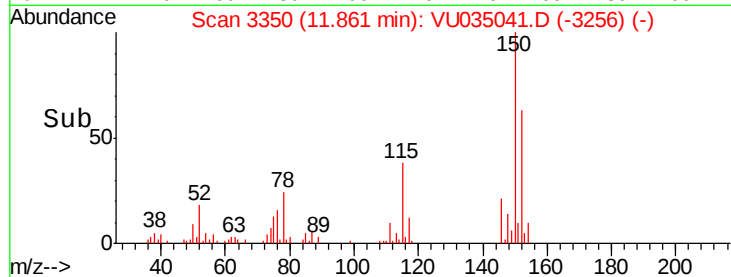
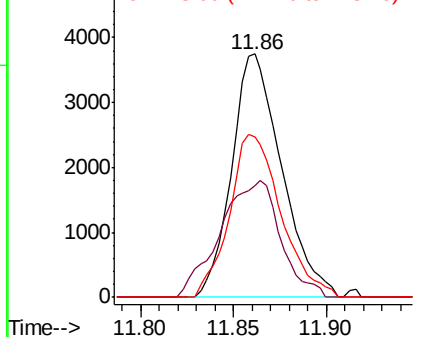
Tgt Ion:	146	Resp:	7017
Ion Ratio	Lower	Upper	
146	100		
111	46.0	34.2	51.4
148	66.1	52.0	78.0

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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



#67

1,3,5-Trichlorobenzene

Concen: 0.265 ug/L

RT: 12.88 min Scan# 3666

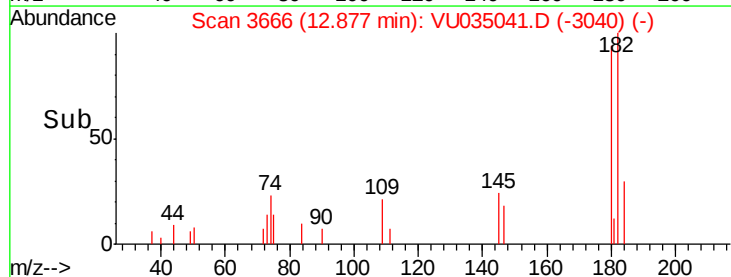
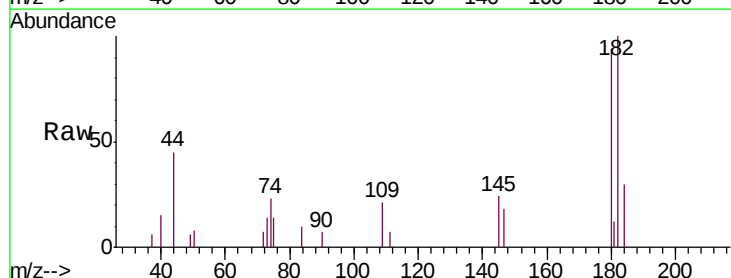
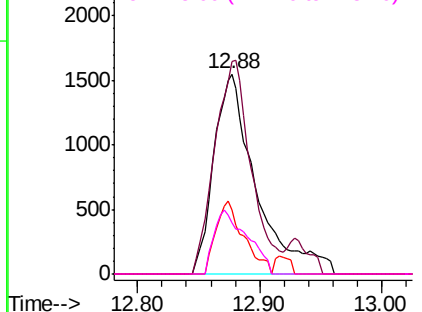
Delta R.T. 0.01 min

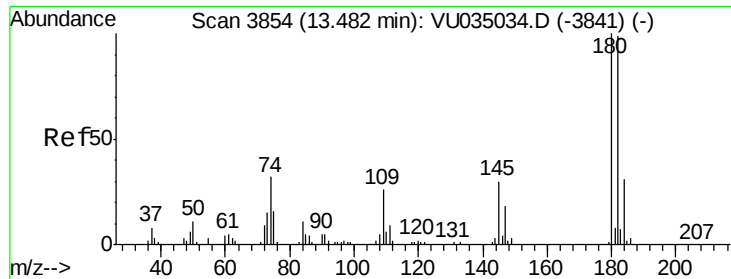
Lab File: VU035041.D

Acq: 10 Oct 2019 12:19

Tgt Ion:	180	Resp:	3754
Ion Ratio	Lower	Upper	
180	100		
182	92.3	76.0	114.0
184	24.1	24.2	36.2#
145	25.0	24.6	37.0

Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V





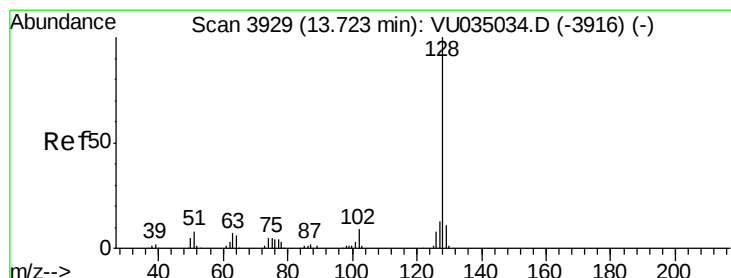
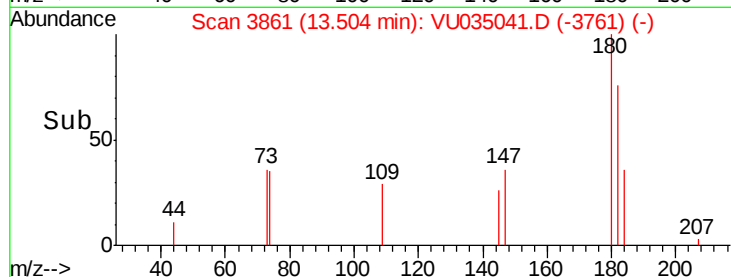
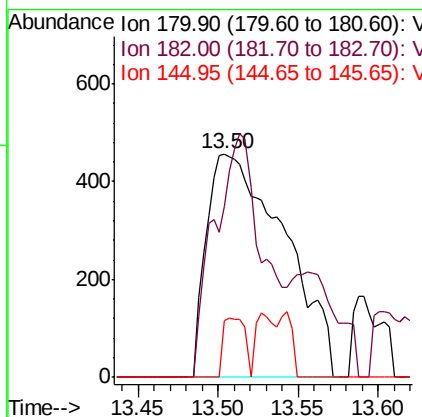
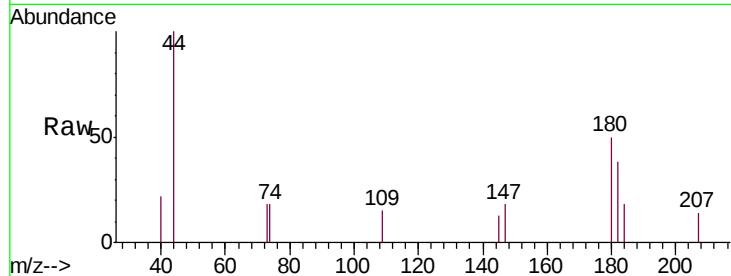
#68
 1,2,4-trichlorobenzene
 Concen: 0.144 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.02 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	66.5	77.3	115.9#
145	7.3	24.5	36.7#

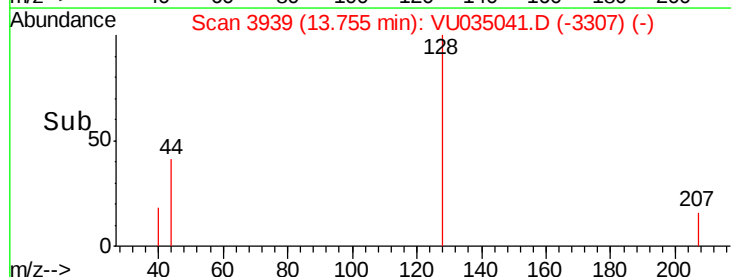
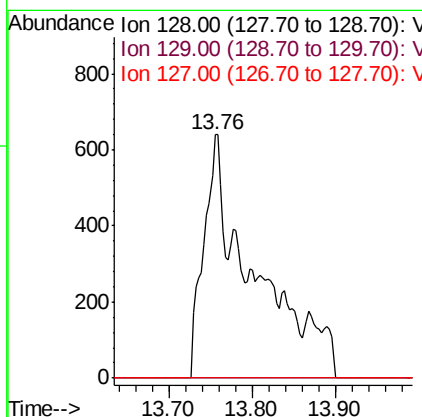
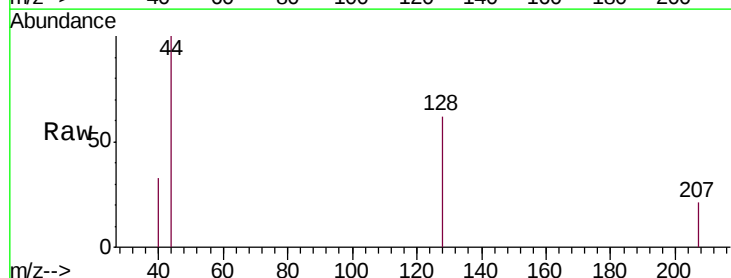
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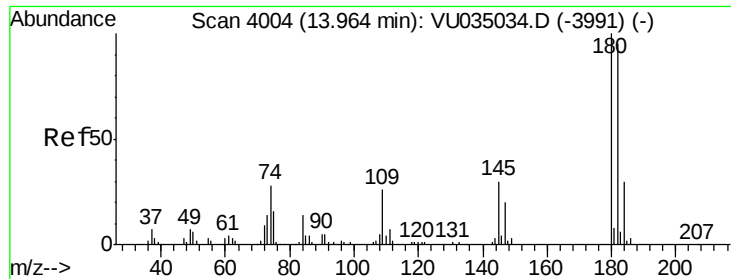
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#69
 Naphthalene
 Concen: 0.163 ug/L m
 RT: 13.76 min Scan# 3939
 Delta R.T. 0.03 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

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





#70
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/L m
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.02 min
 Lab File: VU035041.D
 Acq: 10 Oct 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	66.5	77.0	115.4#
145	11.7	25.9	38.9#

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