

Data File : VU035038.D
Acq On : 10 Oct 2019 10:41
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:32:23 AM

Quant Time: Oct 11 03:01:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 11 02:39:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	162720	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	167626	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	69247	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57478	5.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.60%
7) Chloroethane-d5	1.67	69	51452	5.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.60%
11) 1,1-Dichloroethene-d2	2.26	63	82633	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.18	46	162579	57.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.80%
24) Chloroform-d	4.62	84	97291	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.29	65	58039	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.32	84	203798	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.31	67	70620	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.55	98	184631	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.84	79	22012	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.30	63	117488	52.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.48%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57959	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	67465	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4181	0.281 ug/L	98
3) Chloromethane	1.32	50	5044	0.309 ug/L	98
5) Vinyl chloride	1.40	62	5123	0.320 ug/L #	73
6) Bromomethane	1.62	94	2788	0.313 ug/L	81
8) Chloroethane	1.69	64	2901	0.302 ug/L	92
9) Trichlorofluoromethane	1.88	101	5623	0.290 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3593	0.323 ug/L #	87
12) 1,1-Dichloroethene	2.27	96	3756	0.359 ug/L #	1
13) Acetone	2.32	43	9279	4.000 ug/L	94
14) Carbon disulfide	2.47	76	9899	0.285 ug/L	99
15) Methyl Acetate	2.61	43	2500	0.405 ug/L #	77
16) Methylene chloride	2.69	84	5928	0.458 ug/L	85
17) Methyl tert-butyl Ether	2.99	73	8491	0.298 ug/L #	86
18) trans-1,2-Dichloroethene	2.96	96	3355	0.300 ug/L #	81
19) 1,1-Dichloroethane	3.42	63	6914	0.311 ug/L	95
21) 2-Butanone	4.27	43	10782m	3.264 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	3636	0.291 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	1602	0.306	ug/L #	96
25) Chloroform	4.66	83	16246	0.650	ug/L	97
27) 1,2-Dichloroethane	5.39	62	4204	0.288	ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	5468	0.290	ug/L	94
30) Cyclohexane	4.97	56	5503	0.266	ug/L	94
31) Carbon tetrachloride	5.11	117	4481	0.275	ug/L	91
33) Benzene	5.37	78	14038	0.278	ug/L	100
34) Trichloroethene	6.17	95	3554	0.273	ug/L	94
35) Methylcyclohexane	6.40	83	5683	0.269	ug/L	96
37) 1,2-Dichloropropane	6.42	63	4308	0.316	ug/L #	88
38) Bromodichloromethane	6.74	83	4562	0.286	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	5009	0.271	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	22282	2.599	ug/L #	89
42) Toluene	7.62	91	15441	0.293	ug/L	93
44) trans-1,3-Dichloropropene	7.87	75	3919m	0.274	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	2674	0.296	ug/L	94
47) Tetrachloroethene	8.21	164	2827	0.268	ug/L	90
48) 2-Hexanone	8.36	43	22489	3.826	ug/L #	93
49) Dibromochloromethane	8.46	129	2649	0.253	ug/L	88
50) 1,2-Dibromoethane	8.57	107	2370	0.274	ug/L #	96
51) Chlorobenzene	9.10	112	9732	0.285	ug/L	98
52) Ethylbenzene	9.23	91	15399	0.265	ug/L	97
53) m,p-Xylene	9.36	106	5424	0.252	ug/L	89
54) o-Xylene	9.76	106	5466	0.260	ug/L	99
55) Styrene	9.78	104	7969	0.234	ug/L	96
56) Isopropylbenzene	10.15	105	13846	0.247	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.44	83	3748	0.305	ug/L #	84
59) 1,2,3-Trichloropropane	10.48	75	2537	0.288	ug/L	99
61) Bromoform	9.94	173	1121	0.236	ug/L #	71
62) 1,3-Dichlorobenzene	11.40	146	6517	0.305	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	7151	0.332	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	6868	0.334	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.65	75	298m	0.228	ug/L	
67) 1,3,5-Trichlorobenzene	12.87	180	3612m	0.250	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	1590m	0.147	ug/L	
69) Naphthalene	13.76	128	2505m	0.149	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	1986m	0.189	ug/L	

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

Data File : VU035038.D

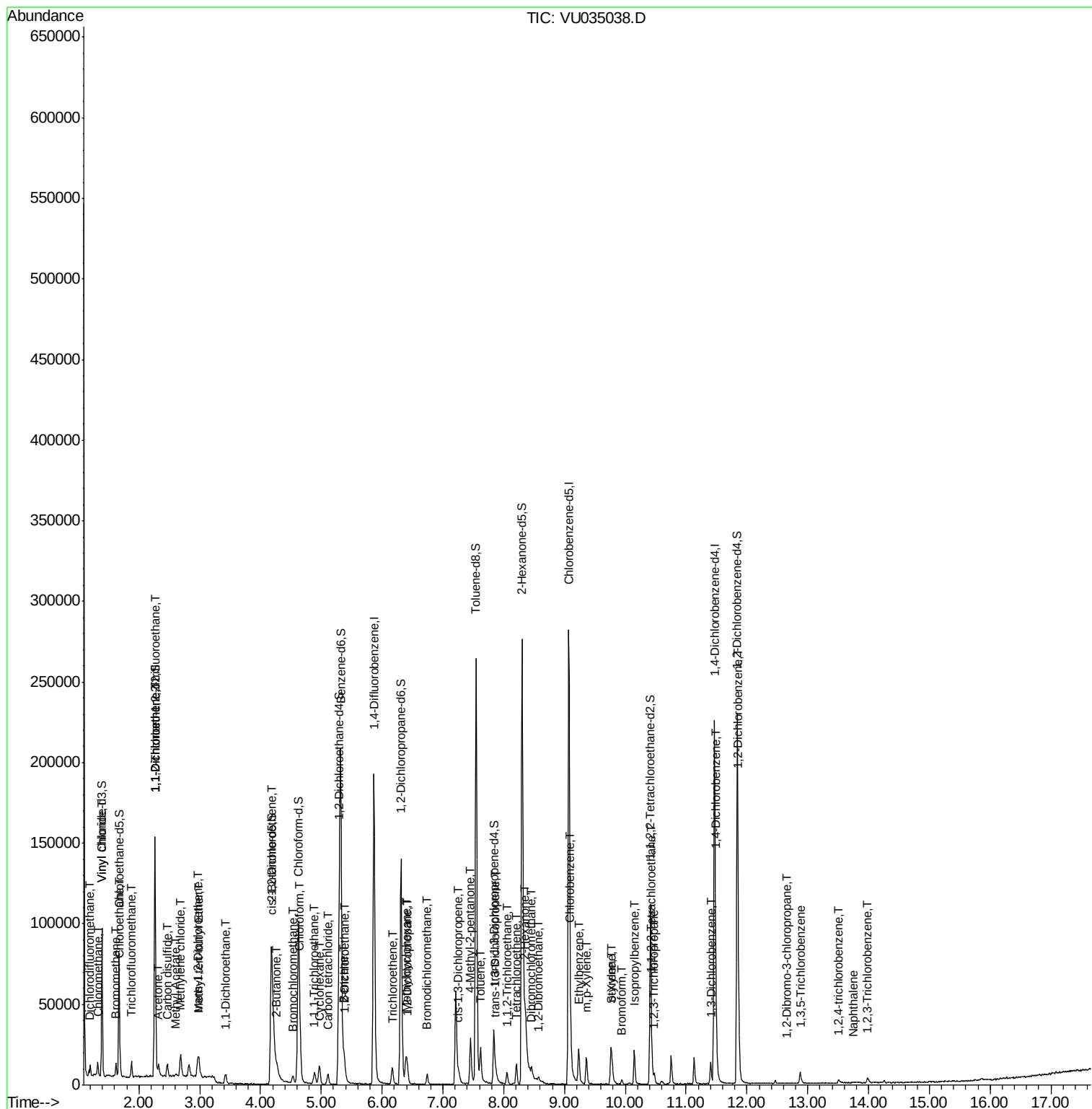
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Acq On       : 10 Oct 2019   10:41
Operator    : JC/SP
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ALS Vial     : 6      Sample Multiplier: 1
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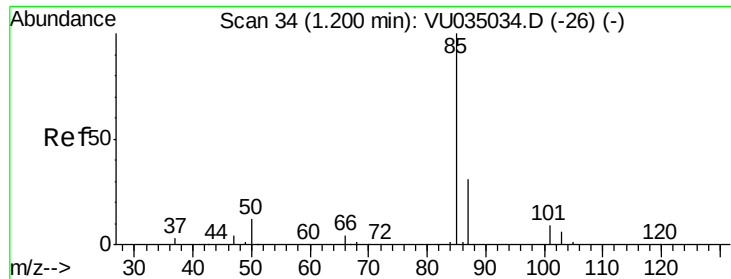
Instrument :
MSVOA_U
ClientSampleId :
MDL03

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#2

Dichlorodifluoromethane

Concen: 0.281 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tgt Ion: 85 Resp: 4181

Ion Ratio Lower Upper

85 100

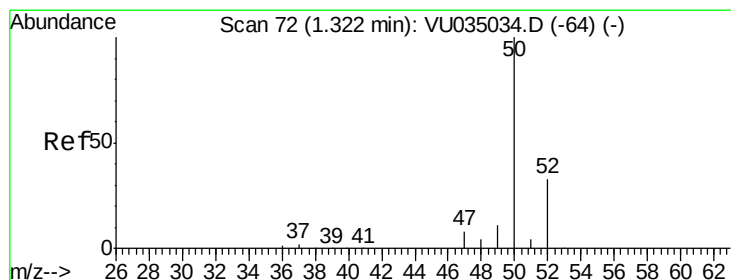
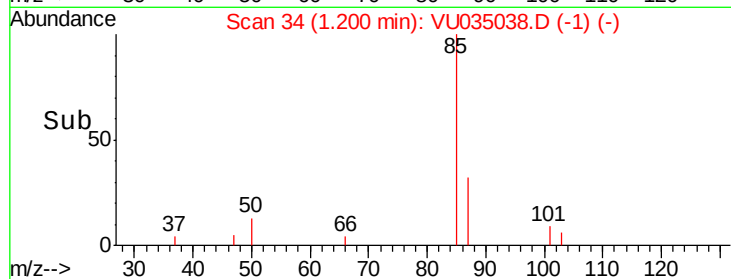
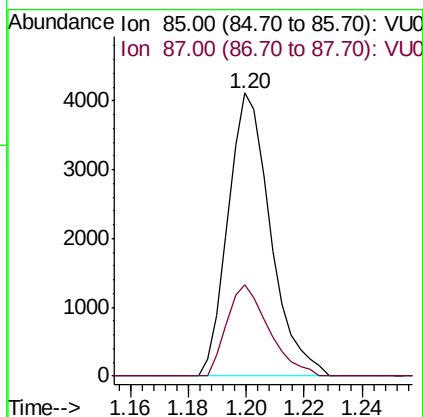
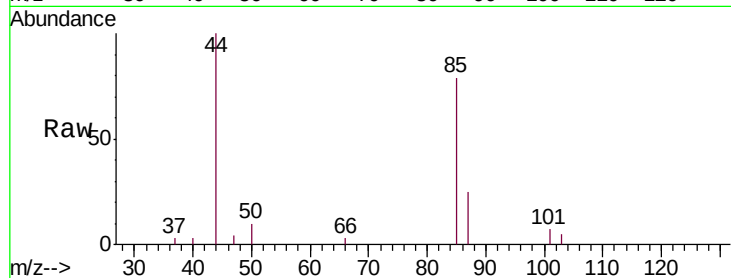
87 31.7 26.3 39.5

Manual Integrations

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#3

Chloromethane

Concen: 0.309 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU035038.D

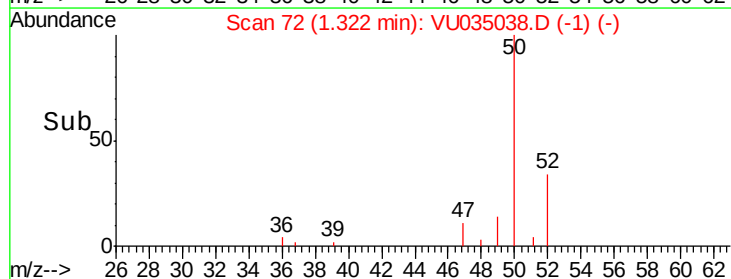
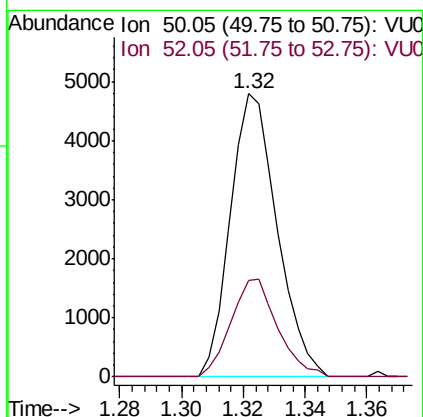
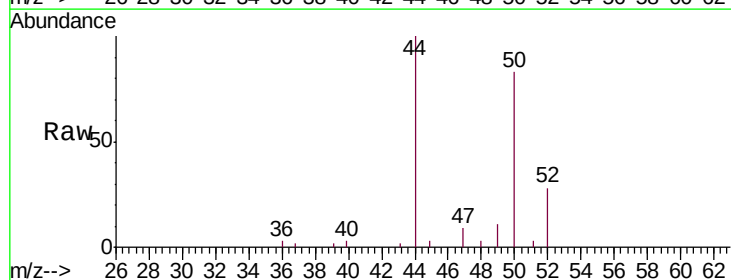
Acq: 10 Oct 2019 10:41

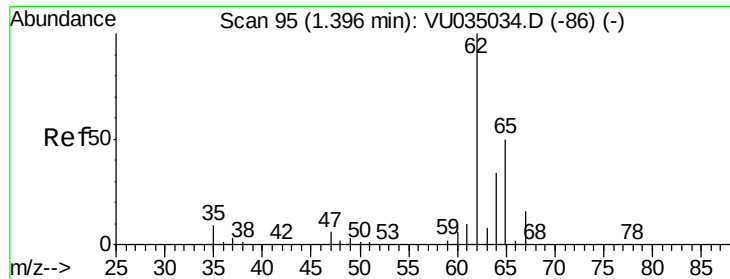
Tgt Ion: 50 Resp: 5044

Ion Ratio Lower Upper

50 100

52 34.2 23.3 43.3





#5

Vinyl chloride

Concen: 0.320 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 62 Resp: 5123

Ion Ratio Lower Upper

62 100

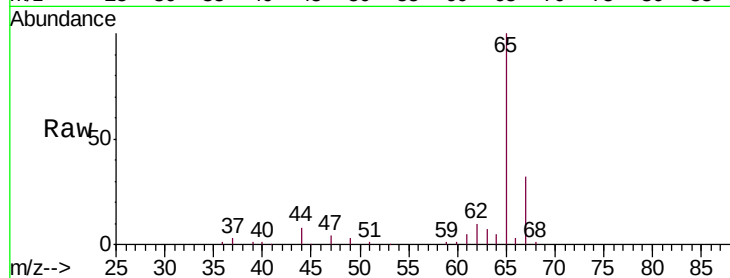
64 47.6 22.8 42.4#

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU035038.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU035038.D (-86) (-)

1.40

4000

3000

2000

1000

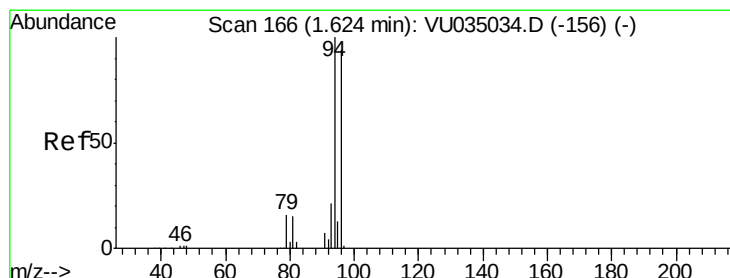
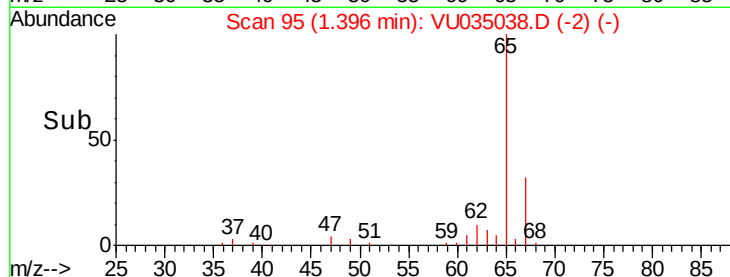
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 0.313 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035038.D

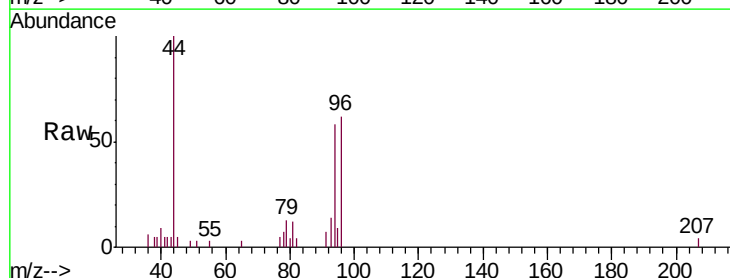
Acq: 10 Oct 2019 10:41

Tgt Ion: 94 Resp: 2788

Ion Ratio Lower Upper

94 100

96 106.8 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035038.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035038.D (-156) (-)

1.62

2500

2000

1500

1000

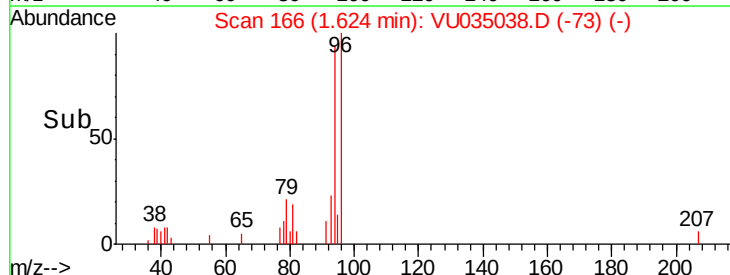
500

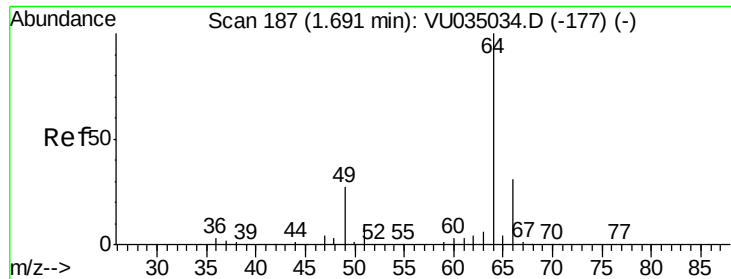
0

1.60

1.65

Time-->





#8

Chloroethane

Concen: 0.302 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 64 Resp: 2901

Ion Ratio Lower Upper

64 100

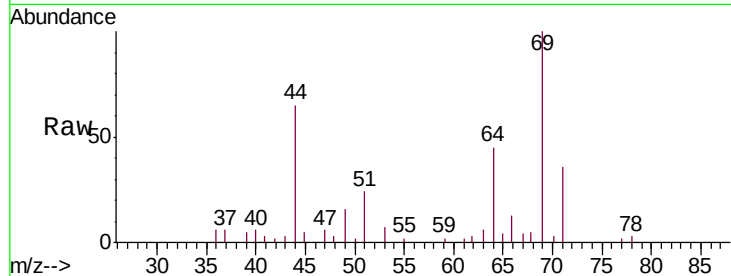
66 28.5 23.2 43.2

Manual Integrations

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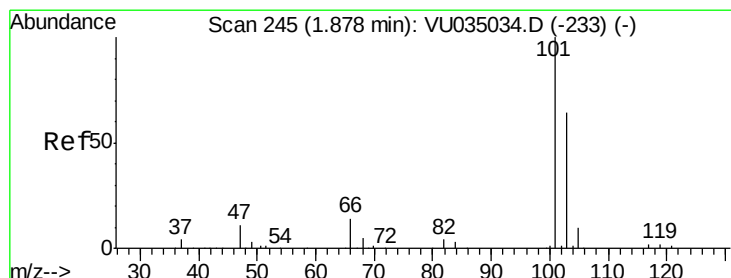
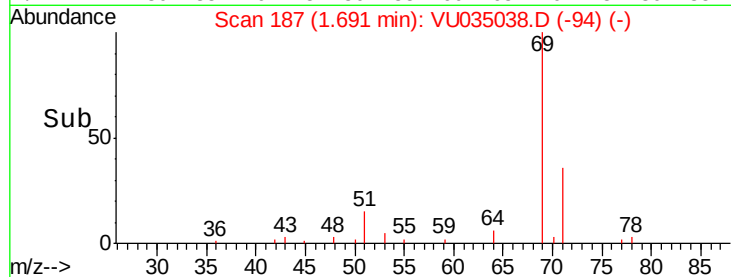
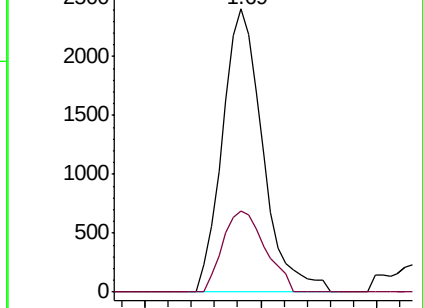
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Abundance Ion 64.10 (63.80 to 64.80): VU035038.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU035038.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.290 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035038.D

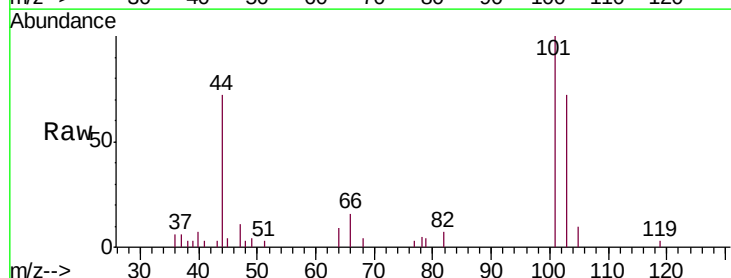
Acq: 10 Oct 2019 10:41

Tgt Ion: 101 Resp: 5623

Ion Ratio Lower Upper

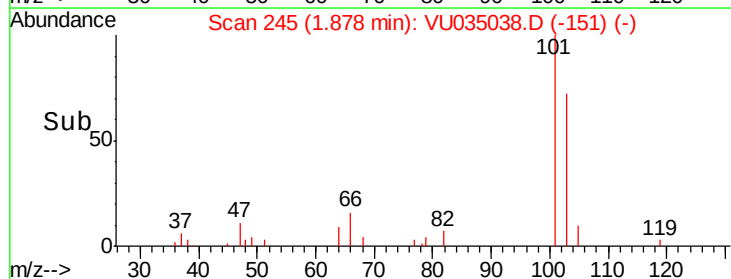
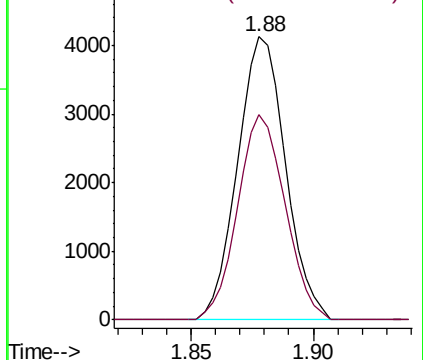
101 100

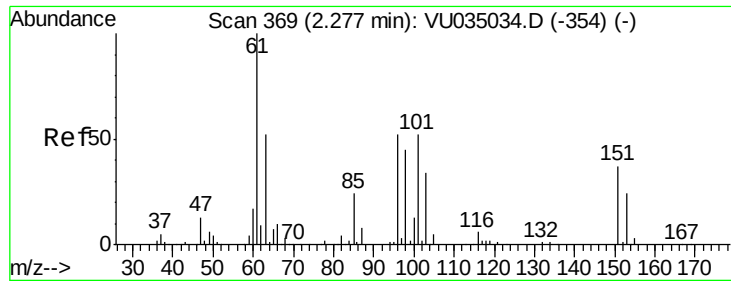
103 71.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035038.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU035038.D (-233) (-)





#10

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

Concen: 0.323 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

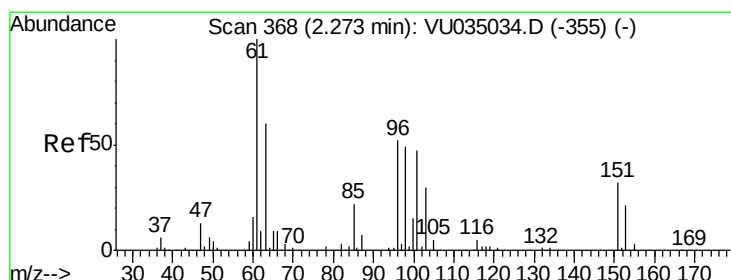
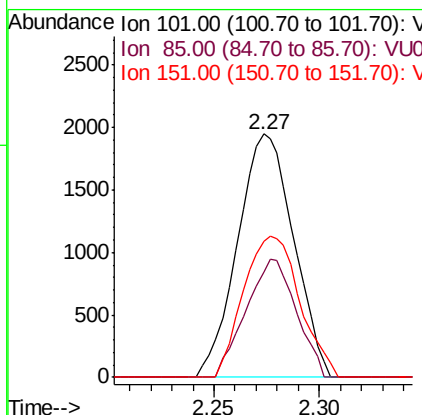
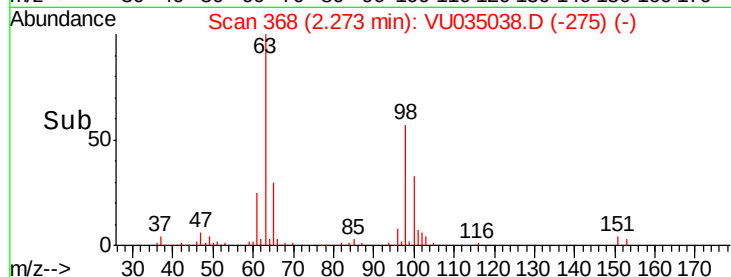
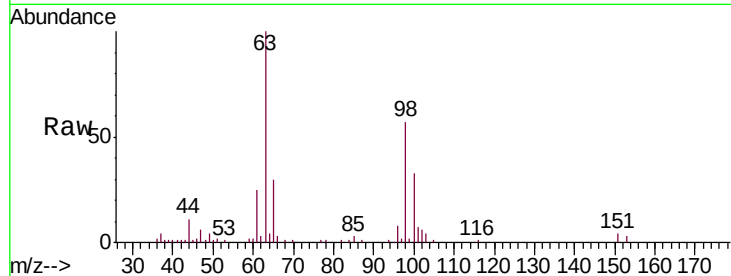
ClientSampled :

MDL03

Tgt Ion:	101	Resp:	3593
Ion Ratio	Lower	Upper	
101	100		
85	43.4	37.4	56.0
151	58.5	58.6	87.8#

Manual Integrations
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10/11/2019 8:32:23 AM



#12

1,1-Dichloroethene

Concen: 0.359 ug/L

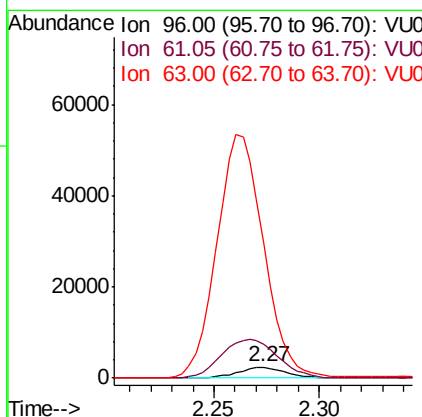
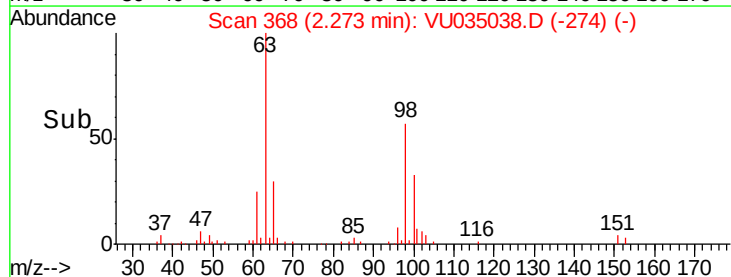
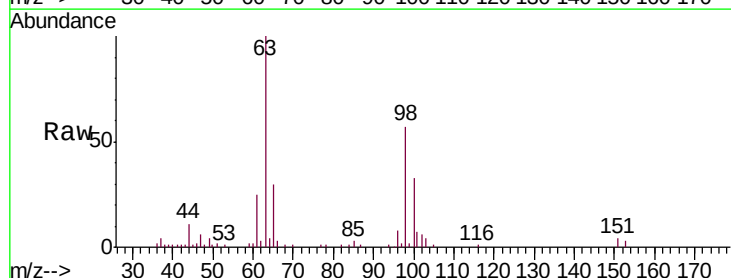
RT: 2.27 min Scan# 368

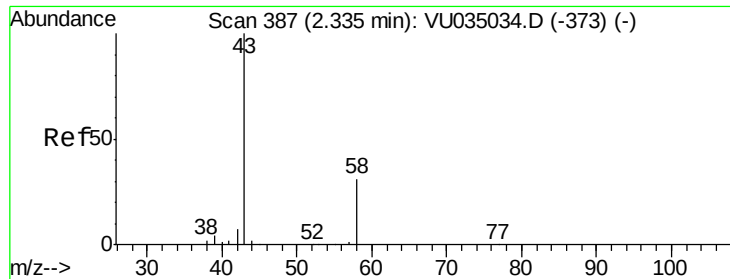
Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Tgt Ion:	96	Resp:	3756
Ion Ratio	Lower	Upper	
96	100		
61	313.2	129.3	240.1#
63	1243.4	108.9	202.3#





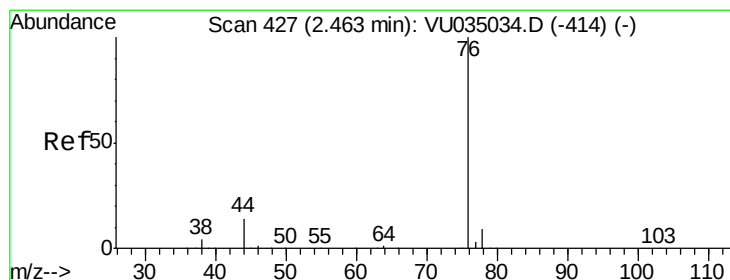
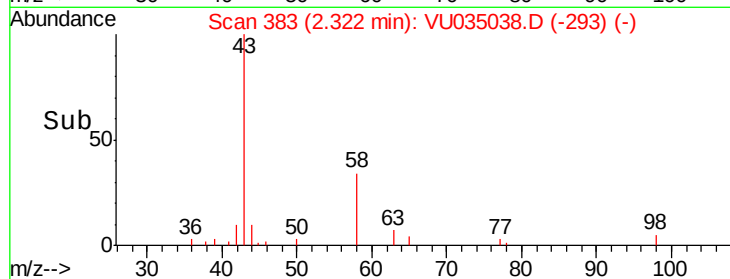
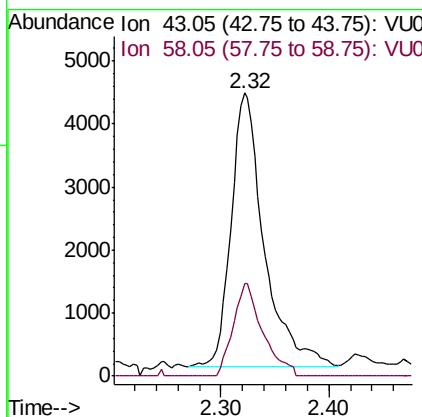
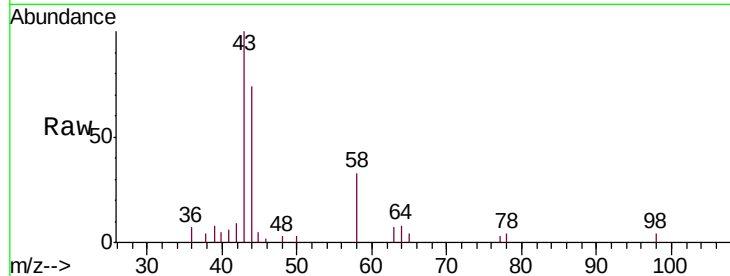
#13
Acetone
Concen: 4.000 ug/L
RT: 2.32 min Scan# 383
Delta R.T. -0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion: 43 Resp: 9279
Ion Ratio Lower Upper
43 100
58 30.1 0.0 66.6

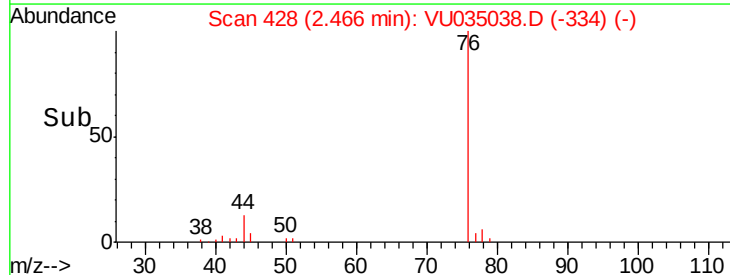
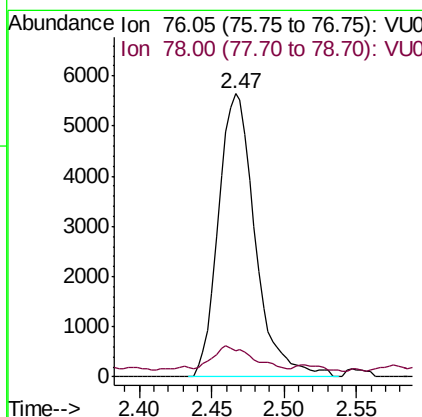
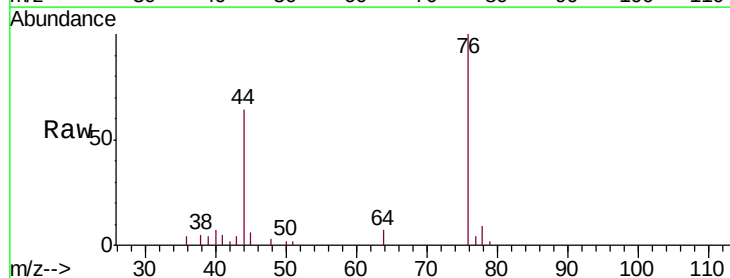
Manual Integrations
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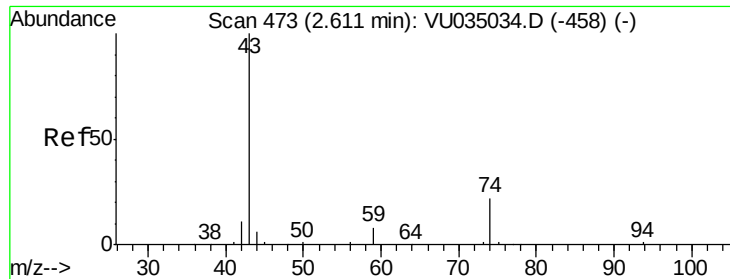
MMDadoda
10/11/2019 8:32:23 AM



#14
Carbon disulfide
Concen: 0.285 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion: 76 Resp: 9899
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 0.405 ug/L

RT: 2.61 min Scan# 472

Delta R.T. -0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 43 Resp: 2500

Ion Ratio Lower Upper

43 100

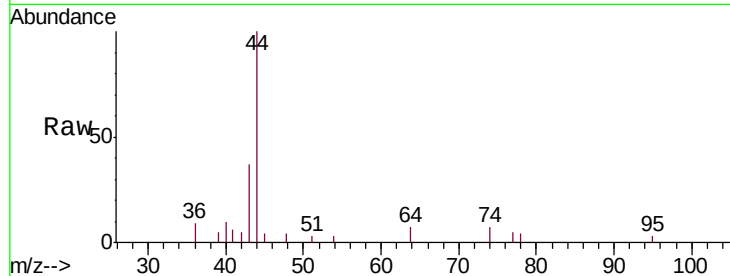
74 11.4 17.8 26.8#

Manual Integrations

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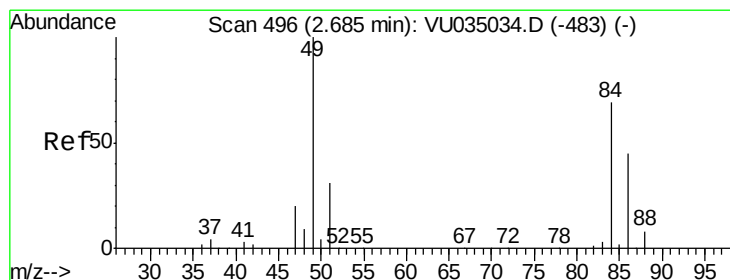
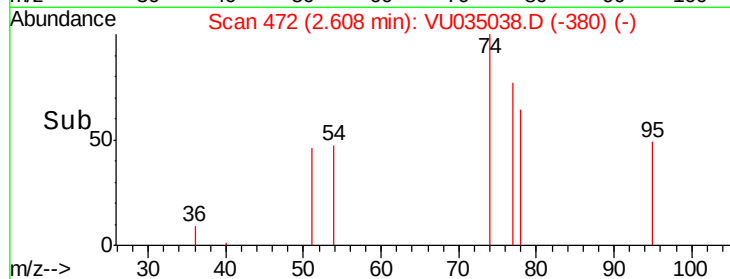
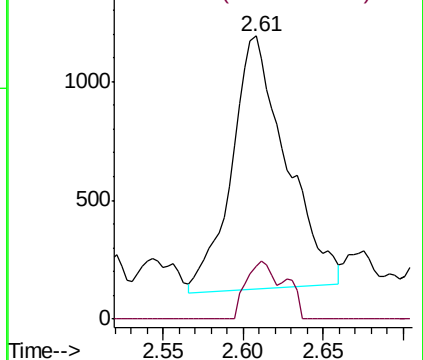
MMDadoda

10/11/2019 8:32:23 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: 0.458 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

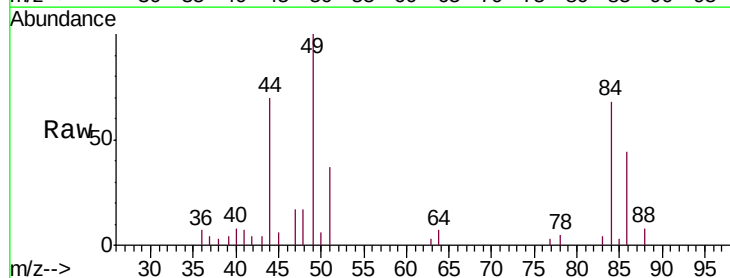
Tgt Ion: 84 Resp: 5928

Ion Ratio Lower Upper

84 100

86 64.7 42.5 78.9

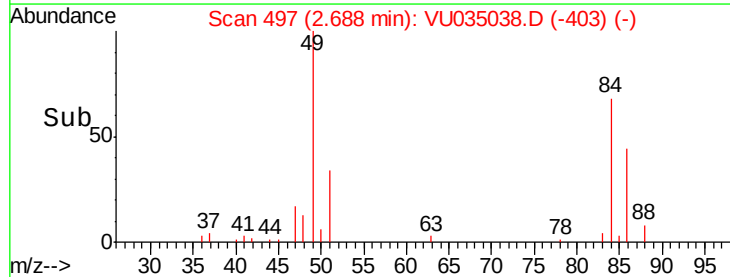
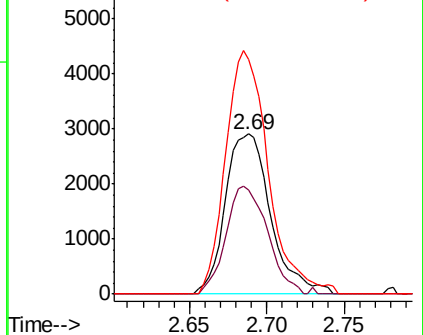
49 146.6 86.9 161.3

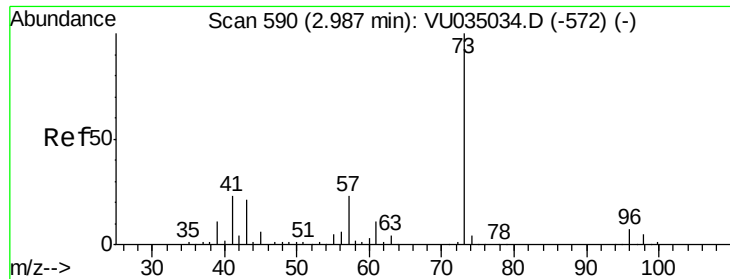


Abundance Ion 84.05 (83.75 to 84.75): VU035034.D (-483) (-)

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

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





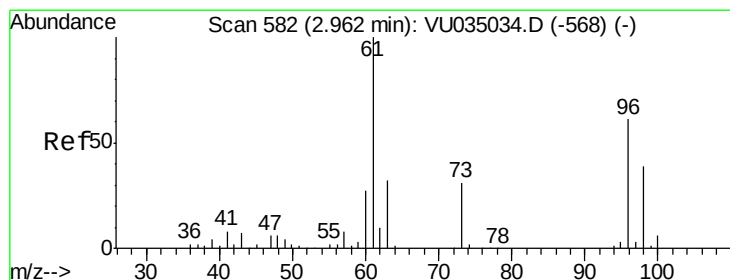
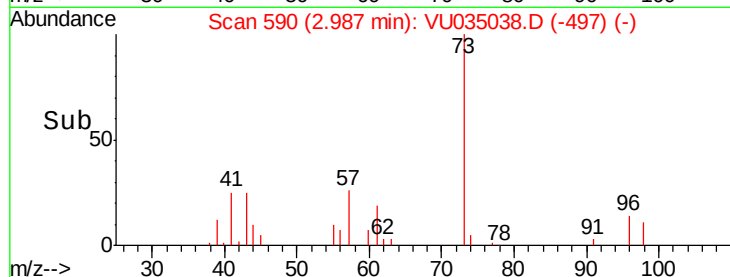
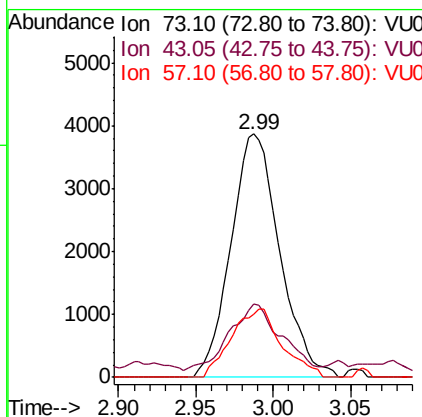
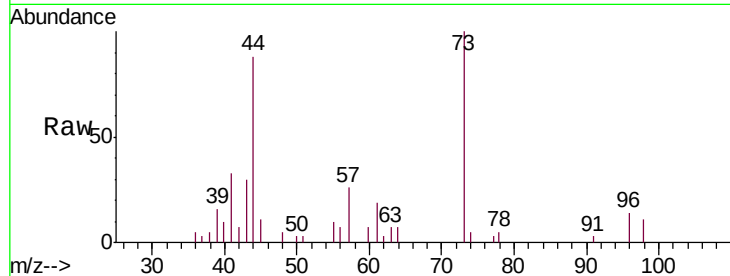
#17
Methyl tert-butyl Ether
Concen: 0.298 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
73	100		
43	27.7	16.3	24.5#
57	29.0	18.6	28.0#

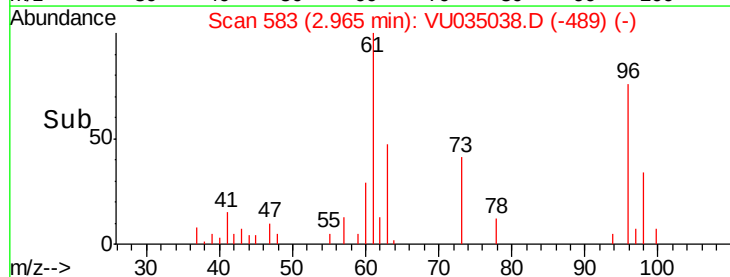
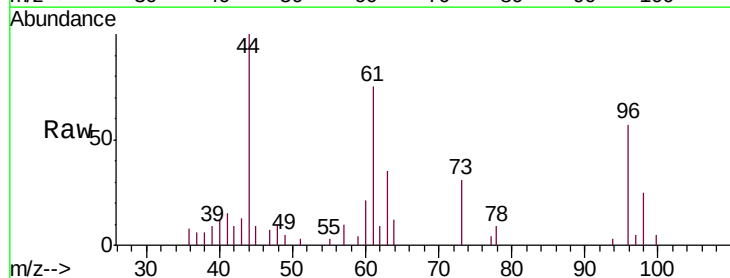
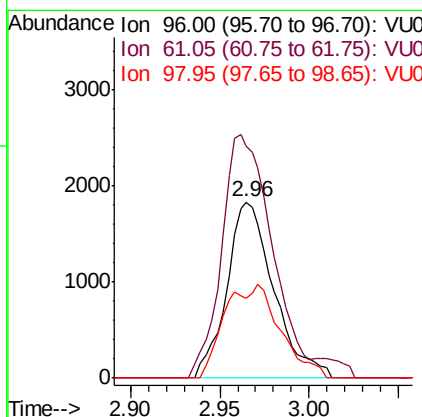
Manual Integrations
APPROVED

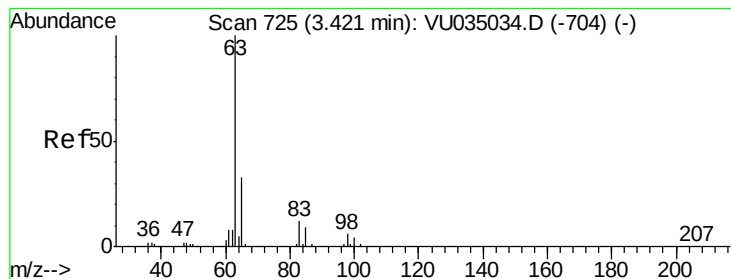
MMDadoda
10/11/2019 8:32:23 AM



#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.9	107.1	198.9
98	44.9	45.4	84.4#





#19

1,1-Dichloroethane

Concen: 0.311 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

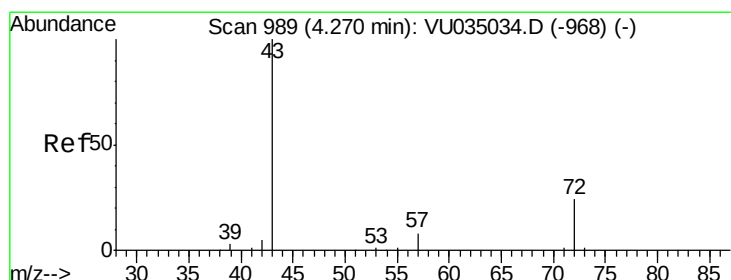
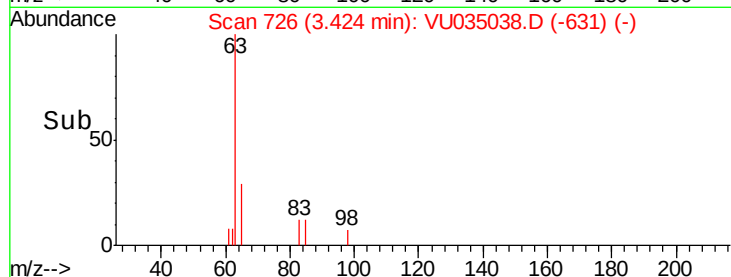
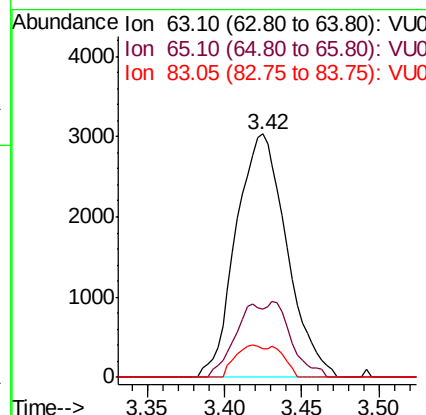
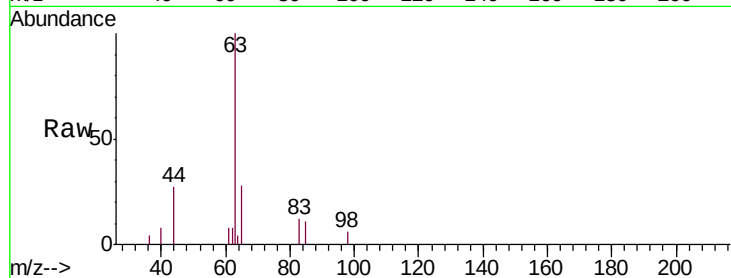
ClientSampled :

MDL03

Tgt Ion:	63	Resp:	6914
Ion	Ratio	Lower	Upper
63	100		
65	28.0	21.7	40.3
83	11.5	9.0	16.8

Manual Integrations
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MMDadoda
10/11/2019 8:32:23 AM



#21

2-Butanone

Concen: 3.264 ug/L m

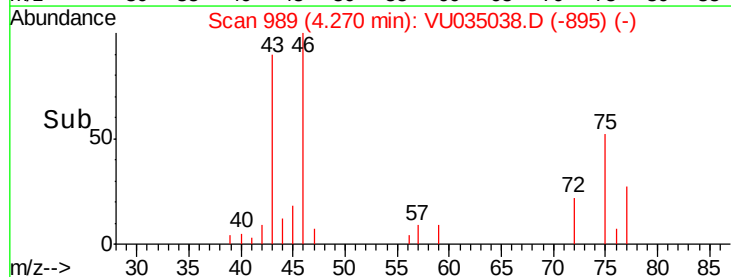
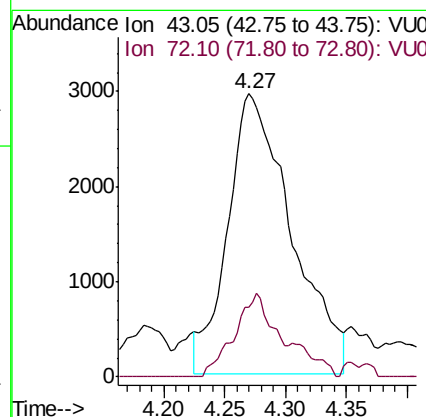
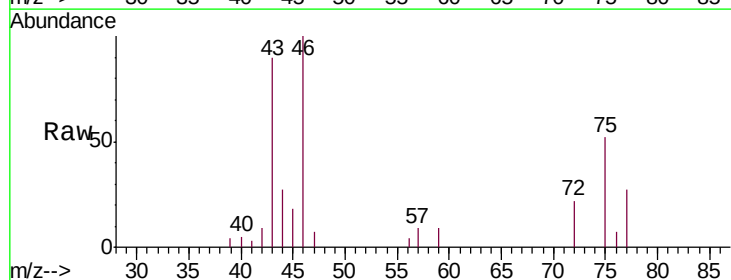
RT: 4.27 min Scan# 989

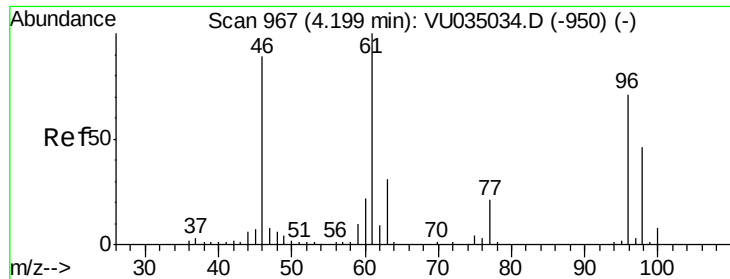
Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Tgt Ion:	43	Resp:	10782
Ion	Ratio	Lower	Upper
43	100		
72	18.4	13.5	40.4





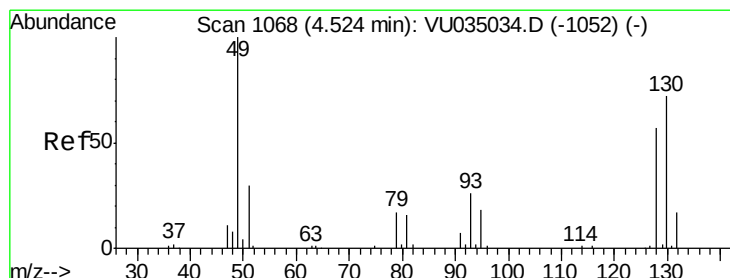
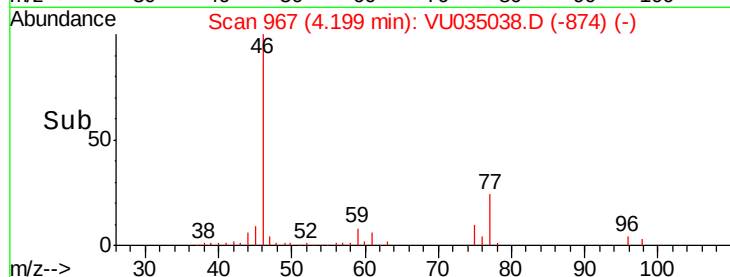
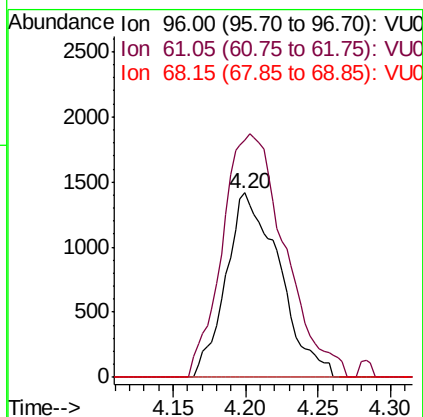
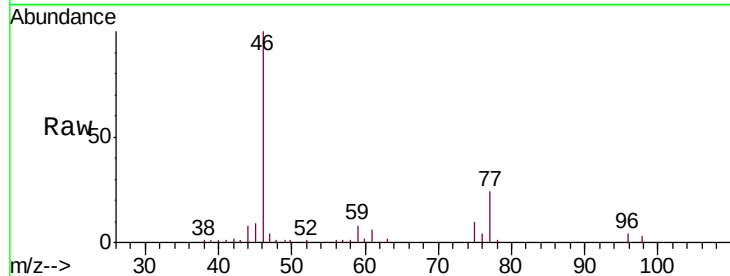
#22
 cis-1,2-Dichloroethene
 Concen: 0.291 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.3	89.2	165.6
68	0.0	0.0	0.0

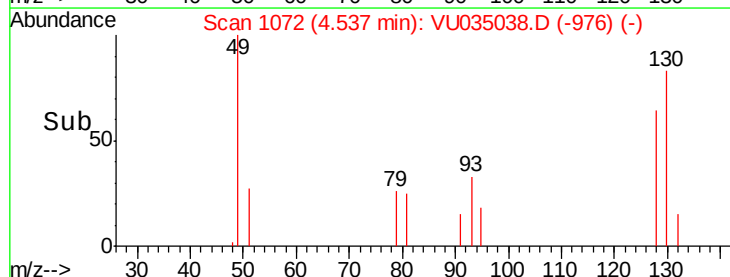
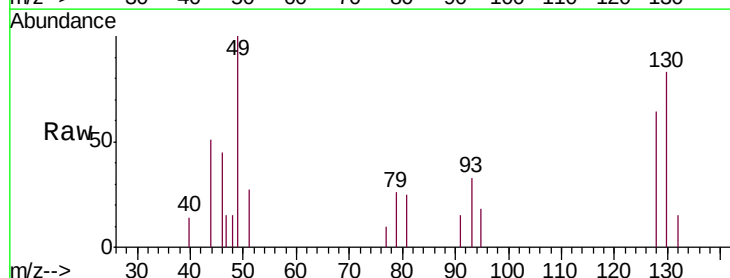
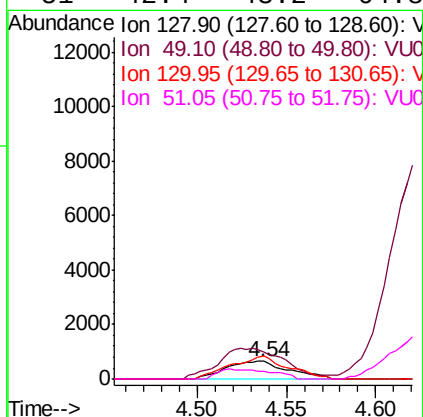
Manual Integrations
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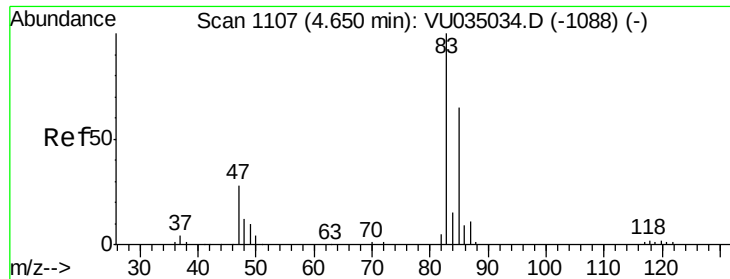
MMDadoda
 10/11/2019 8:32:23 AM



#23
 Bromochloromethane
 Concen: 0.306 ug/L
 RT: 4.54 min Scan# 1072
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	155.4	110.5	205.3
130	129.2	88.6	164.6
51	42.4	43.2	64.8#





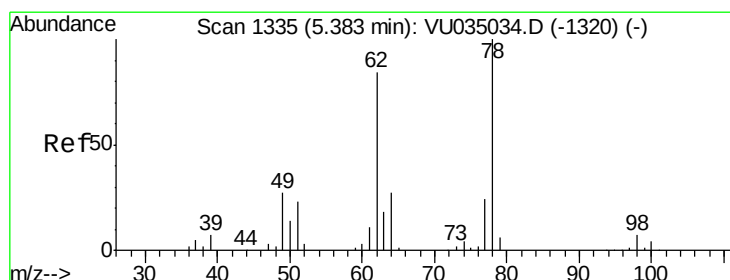
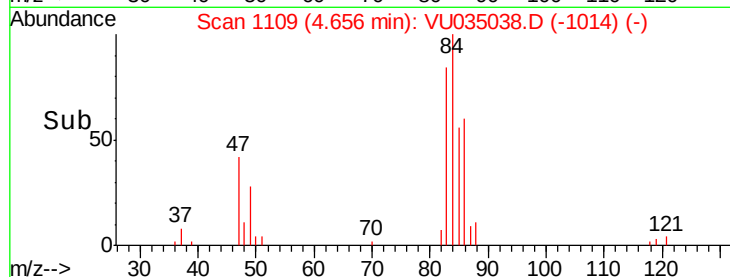
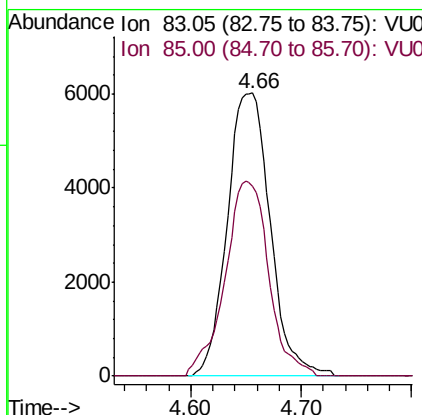
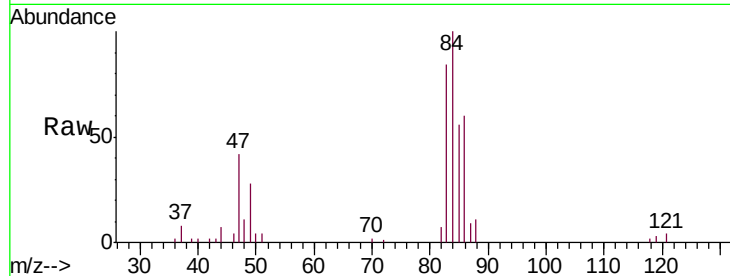
#25
Chloroform
Concen: 0.650 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion: 83 Resp: 16246
Ion Ratio Lower Upper
83 100
85 67.2 45.4 84.4

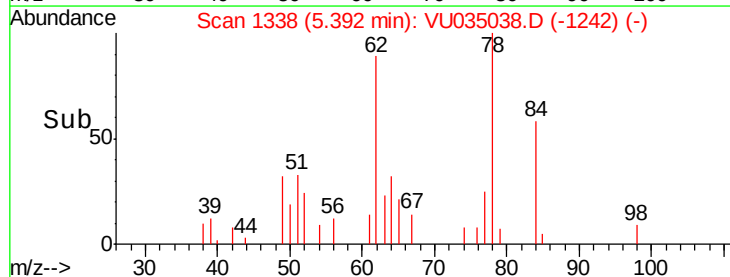
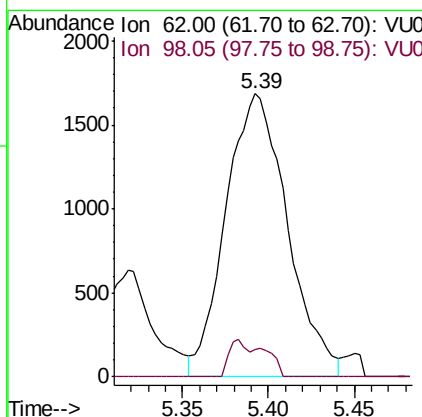
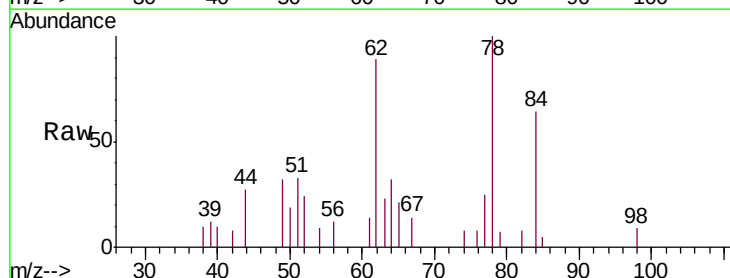
Manual Integrations
APPROVED

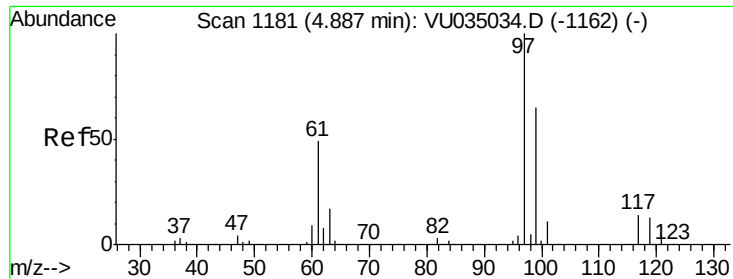
MMDadoda
10/11/2019 8:32:23 AM



#27
1,2-Dichloroethane
Concen: 0.288 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion: 62 Resp: 4204
Ion Ratio Lower Upper
62 100
98 9.6 6.6 10.0





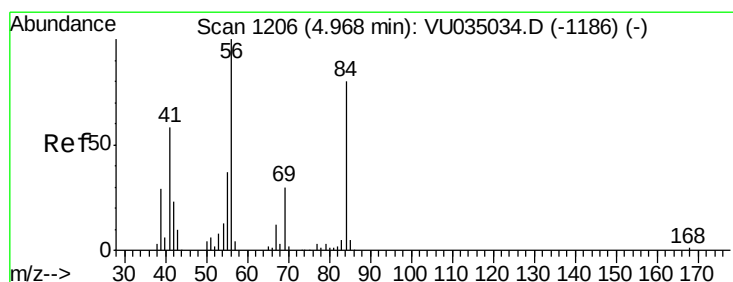
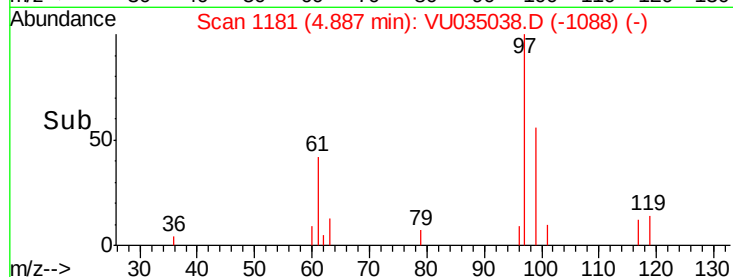
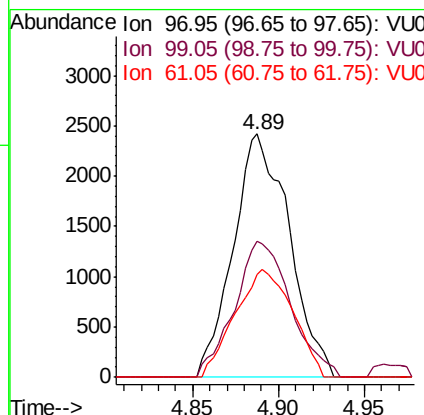
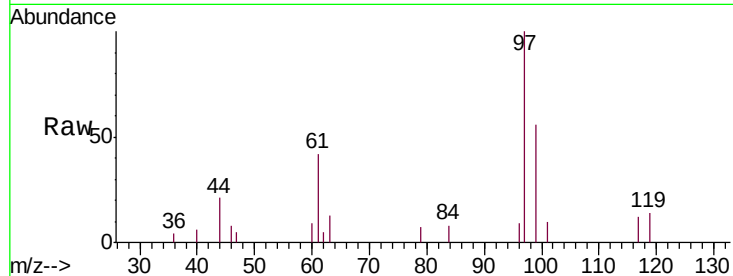
#29
1,1,1-Trichloroethane
Concen: 0.290 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.3	51.6	77.4
61	45.7	36.2	54.4

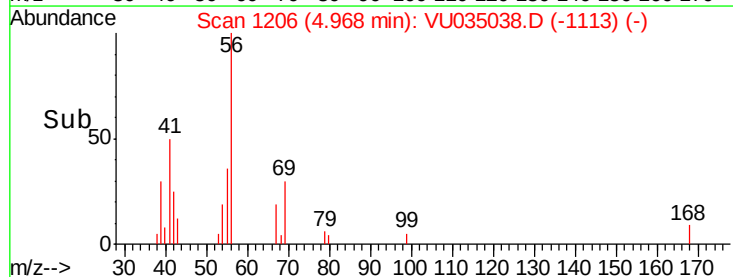
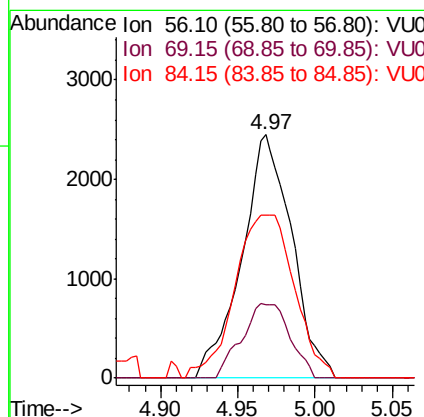
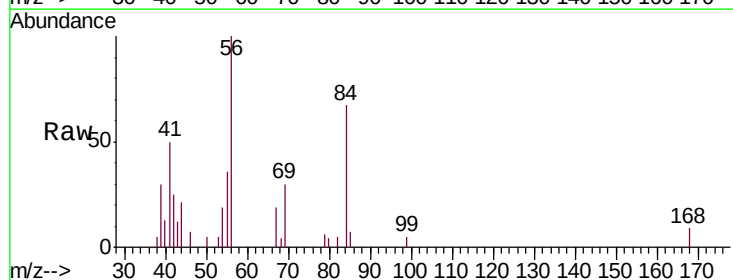
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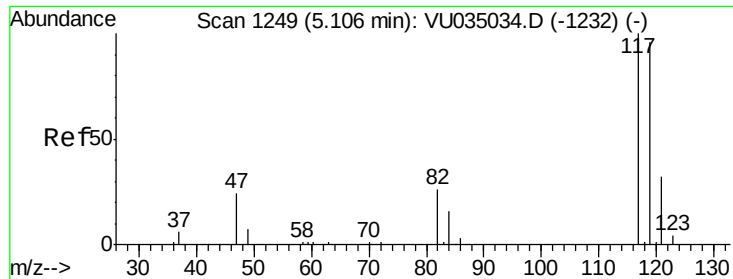
MMDadoda
10/11/2019 8:32:23 AM



#30
Cyclohexane
Concen: 0.266 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.9	35.9
84	79.7	69.5	104.3





#31

Carbon tetrachloride

Concen: 0.275 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion:117 Resp: 4481

Ion Ratio Lower Upper

117 100

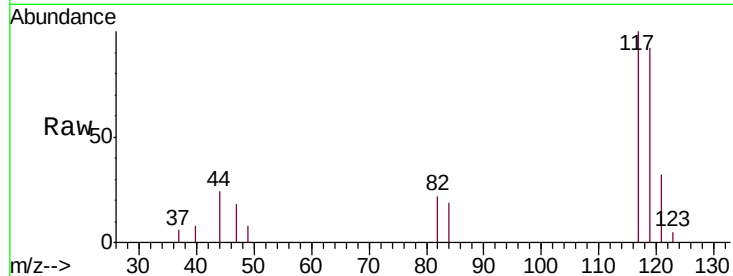
119 88.5 77.5 116.3

Manual Integrations

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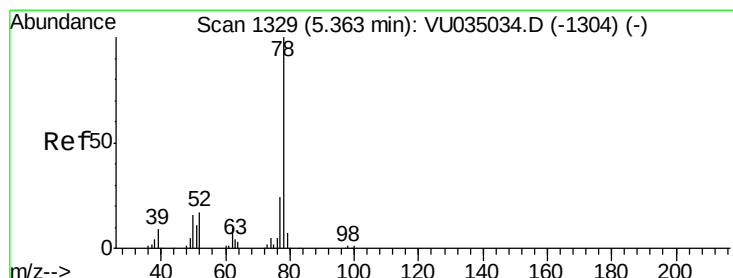
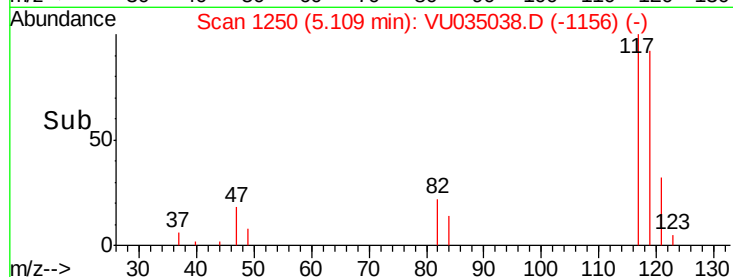
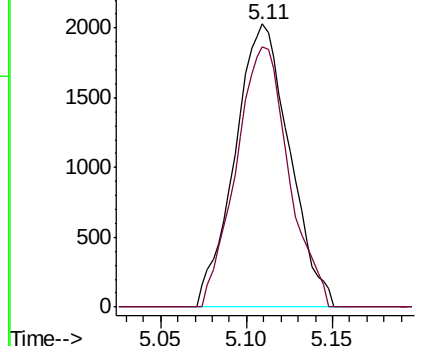
MMDadoda

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.278 ug/L

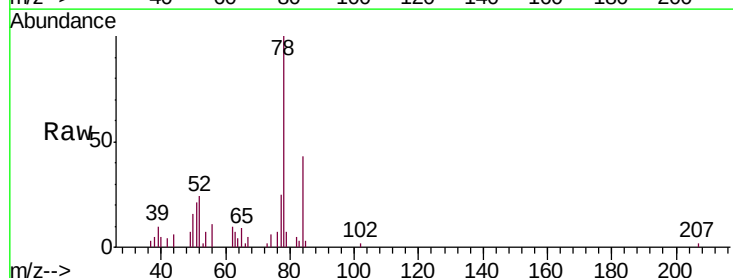
RT: 5.37 min Scan# 1331

Delta R.T. 0.01 min

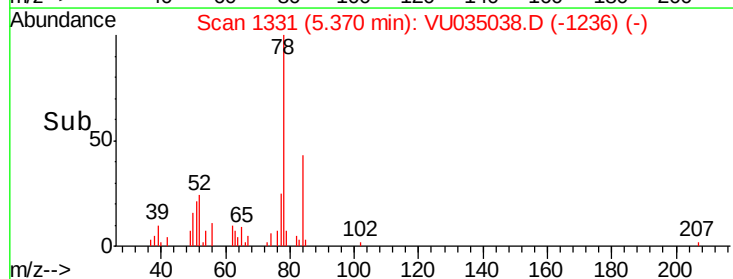
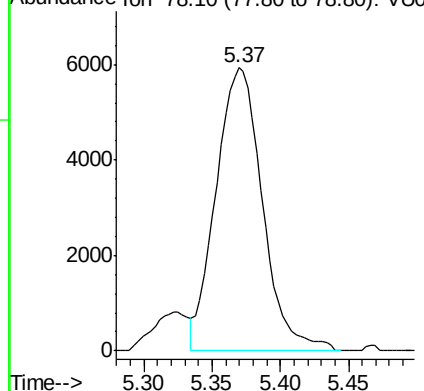
Lab File: VU035038.D

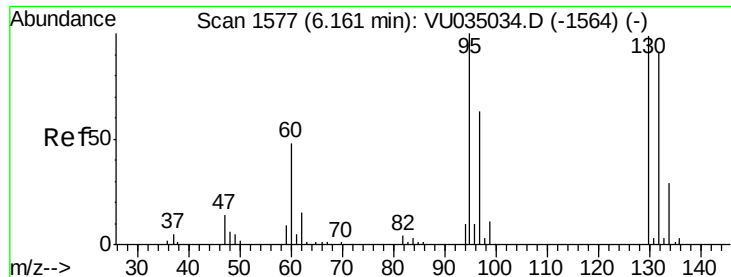
Acq: 10 Oct 2019 10:41

Tgt Ion: 78 Resp: 14038



Abundance Ion 78.10 (77.80 to 78.80): VU0





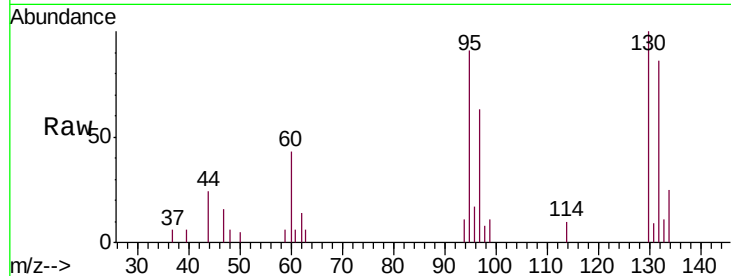
#34
 Trichloroethene
 Concen: 0.273 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

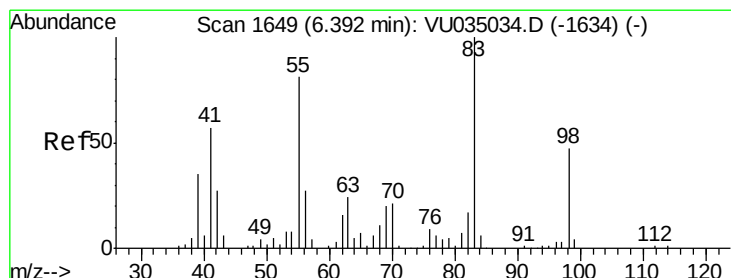
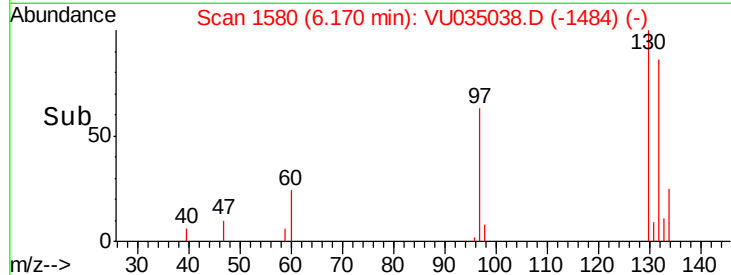
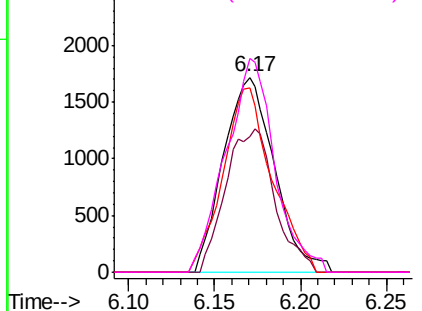
Tgt Ion: 95 Resp: 3554
 Ion Ratio Lower Upper
 95 100
 97 69.4 44.5 82.7
 132 94.4 66.6 123.8
 130 109.5 68.9 127.9

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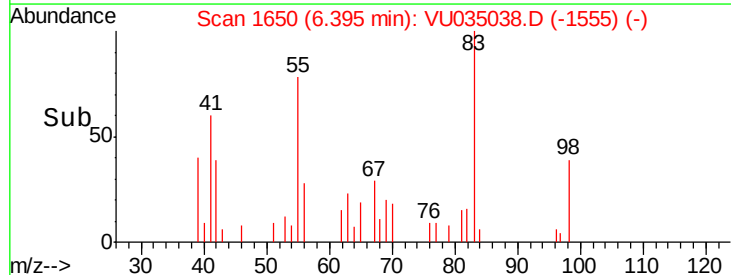
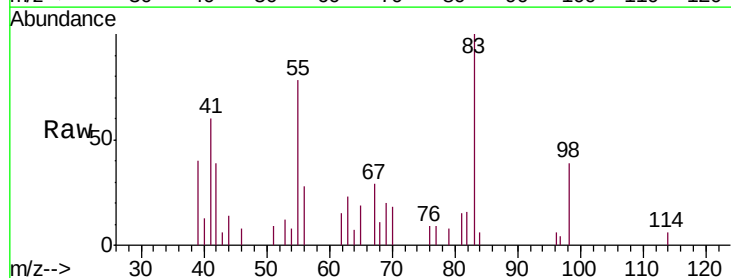
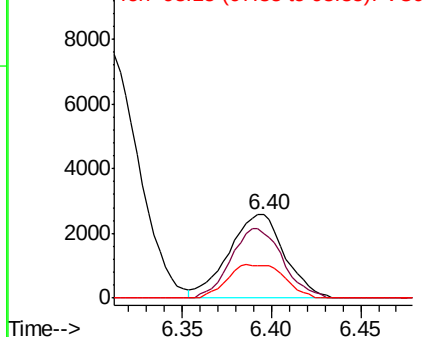
Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

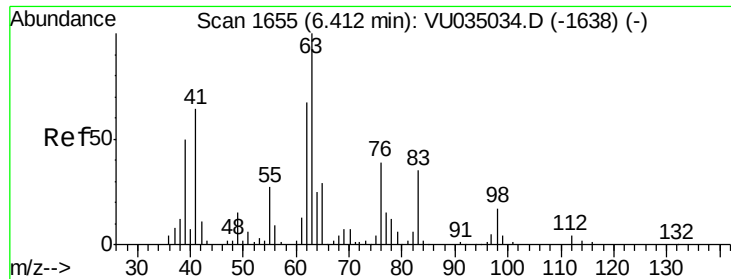


#35
 Methylcyclohexane
 Concen: 0.269 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 83 Resp: 5683
 Ion Ratio Lower Upper
 83 100
 55 76.6 62.6 94.0
 98 40.5 36.2 54.2

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





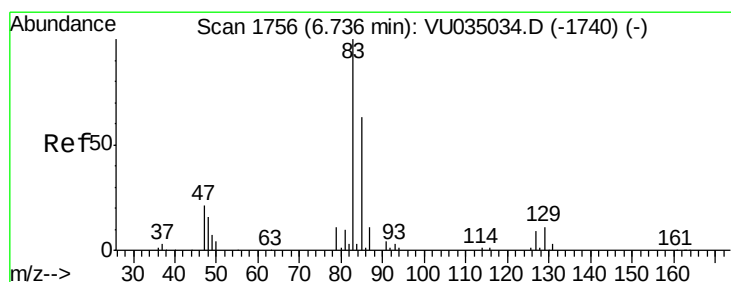
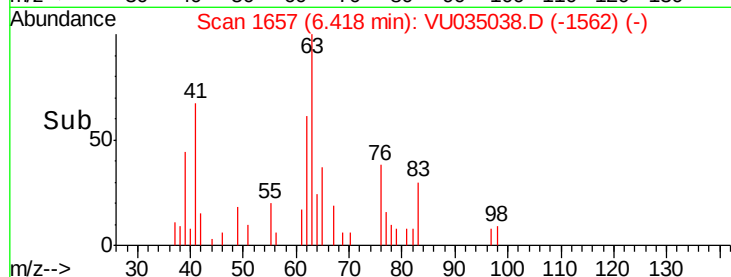
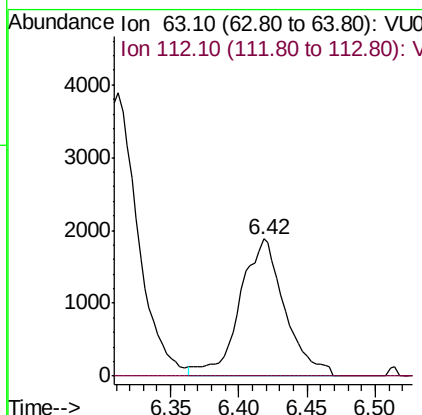
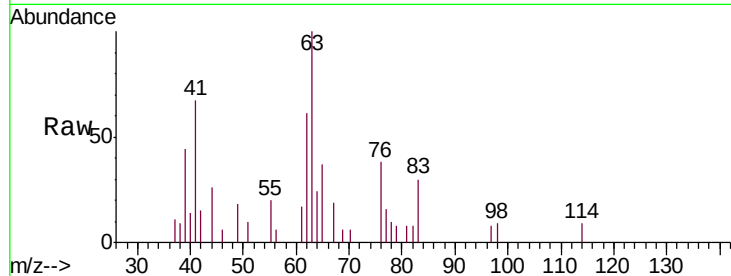
#37
 1,2-Dichloropropane
 Concen: 0.316 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion: 63 Resp: 4308
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#

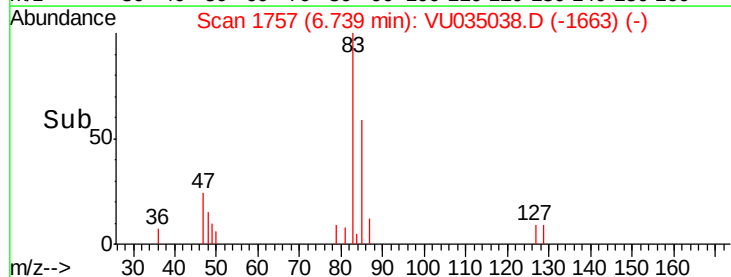
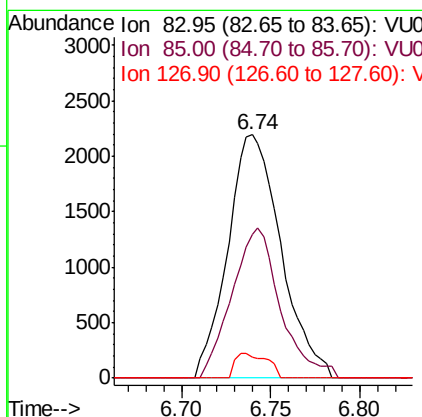
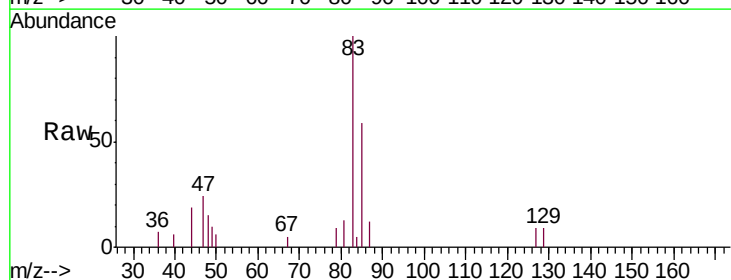
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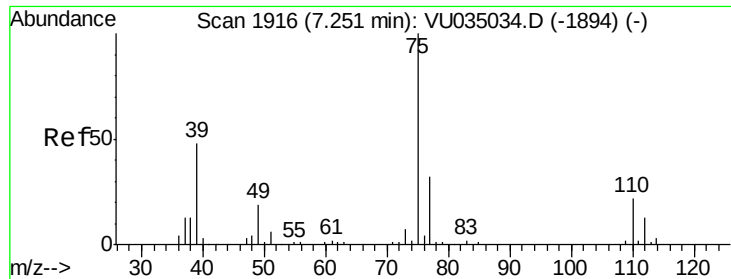
MMDadoda
 10/11/2019 8:32:23 AM



#38
 Bromodichloromethane
 Concen: 0.286 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 83 Resp: 4562
 Ion Ratio Lower Upper
 83 100
 85 59.0 44.0 81.8
 127 8.8 7.0 10.4





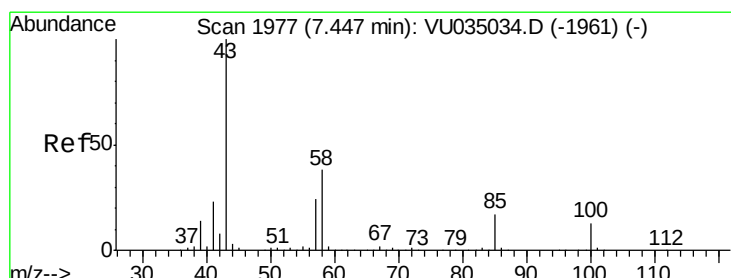
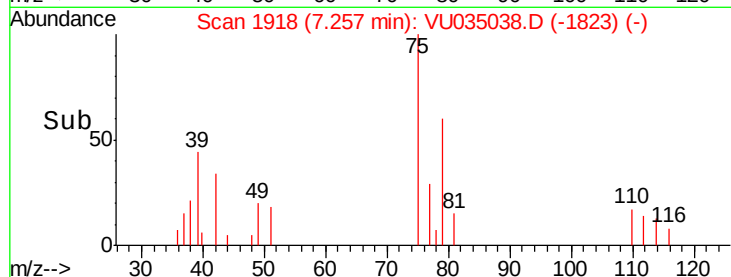
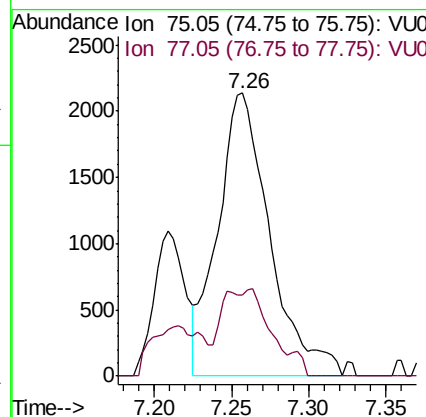
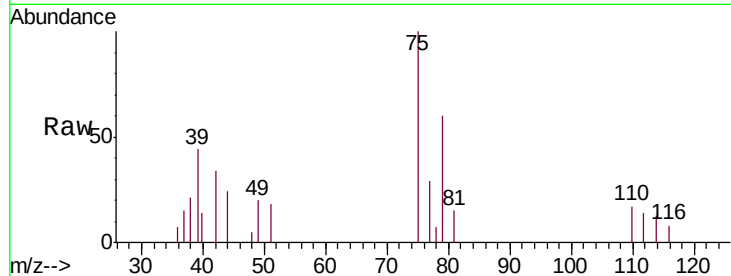
#39
 cis-1,3-Dichloropropene
 Concen: 0.271 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion: 75 Resp: 5009
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.1 41.1

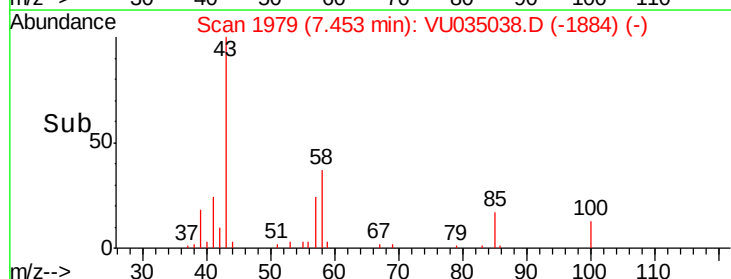
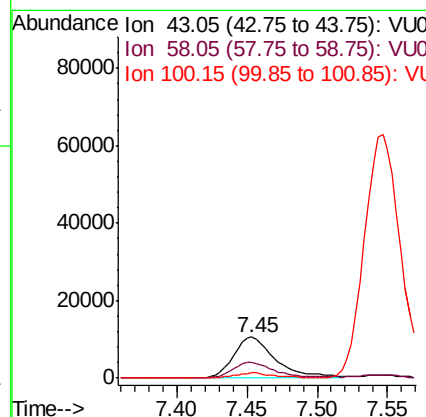
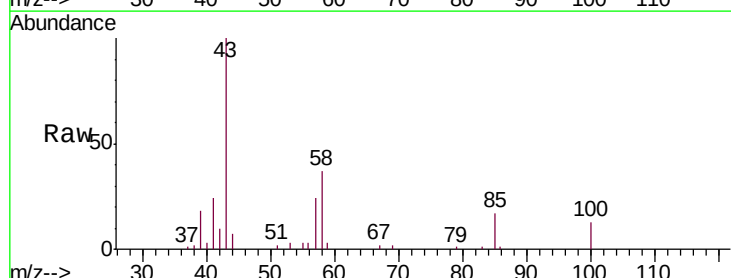
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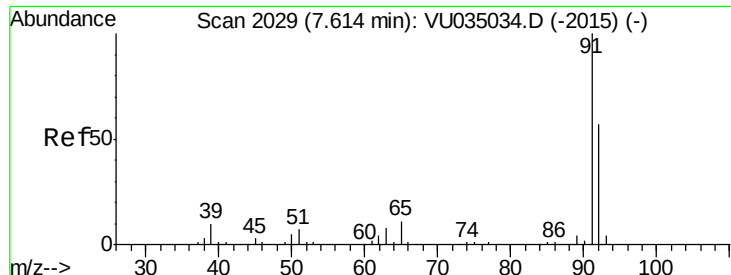
MMDadoda
 10/11/2019 8:32:23 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.599 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion: 43 Resp: 22282
 Ion Ratio Lower Upper
 43 100
 58 39.0 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.293 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 91 Resp: 15441

Ion Ratio Lower Upper

91 100

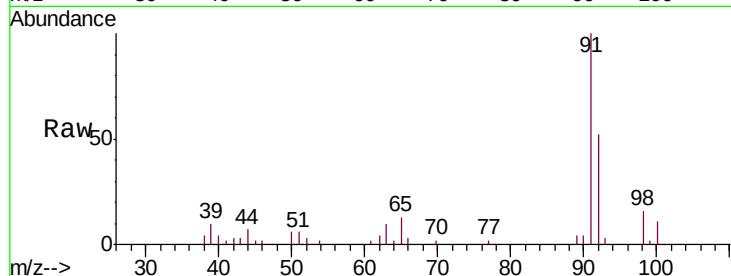
92 51.7 40.0 74.2

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

8000

6000

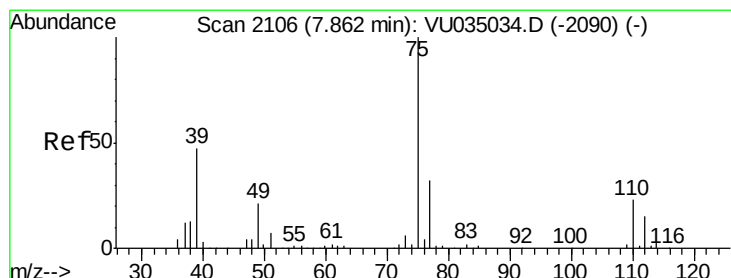
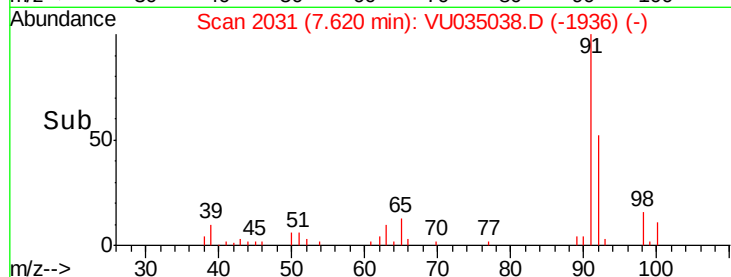
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.274 ug/L m

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU035038.D

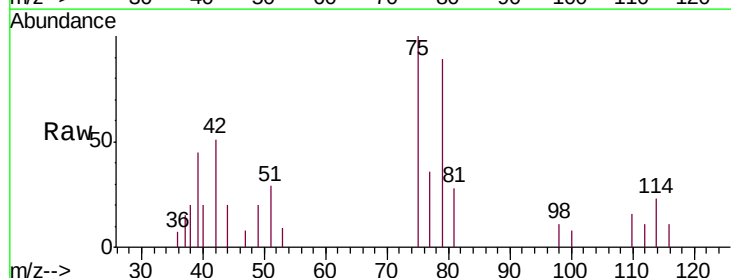
Acq: 10 Oct 2019 10:41

Tgt Ion: 75 Resp: 3919

Ion Ratio Lower Upper

75 100

77 35.8 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

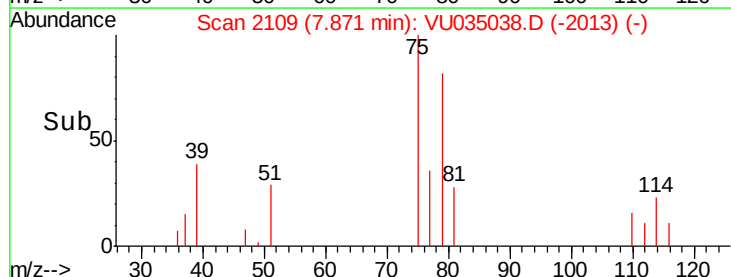
1000

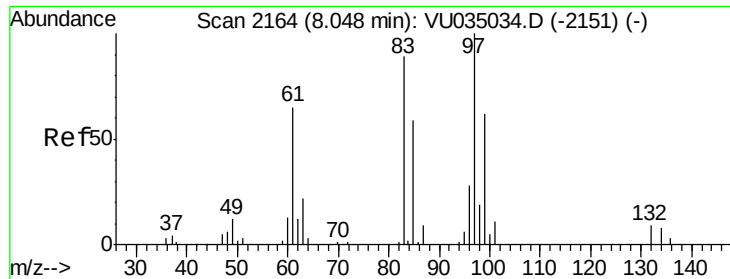
500

0

7.85 7.90

Time-->





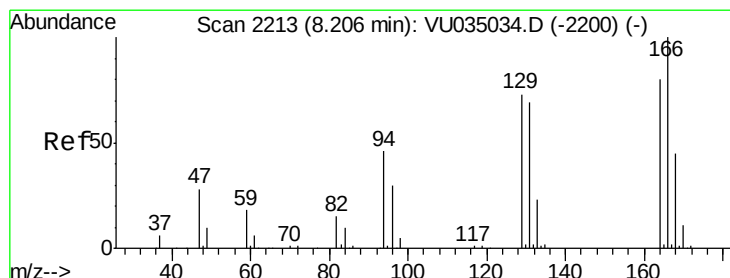
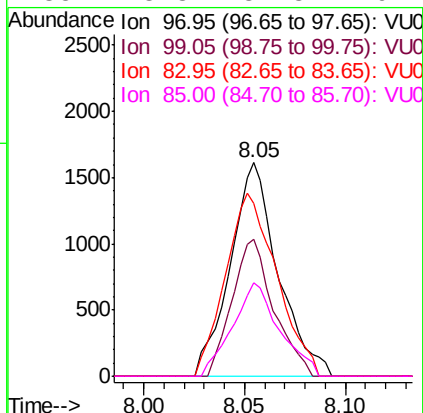
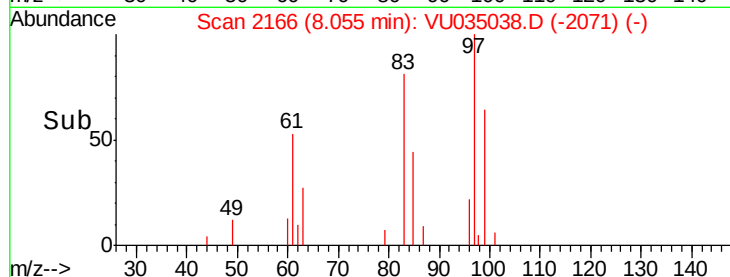
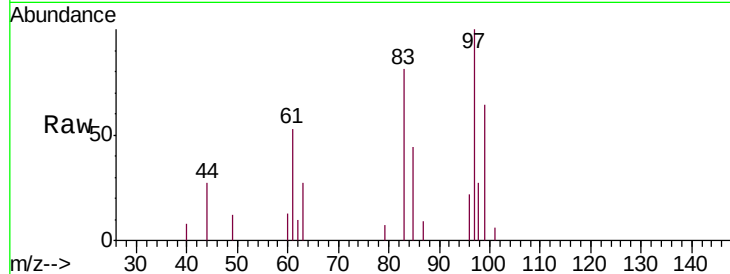
#45
 1,1,2-Trichloroethane
 Concen: 0.296 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion:	97	Resp:	2674
Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.3	78.5
83	81.2	58.0	107.6
85	43.8	37.8	70.2

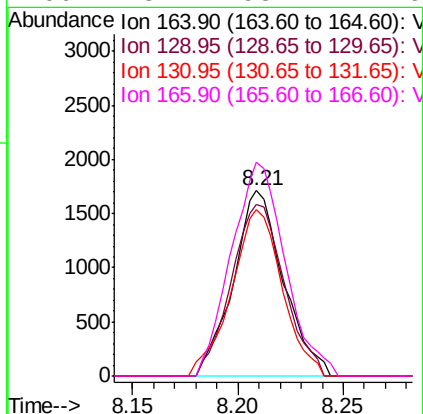
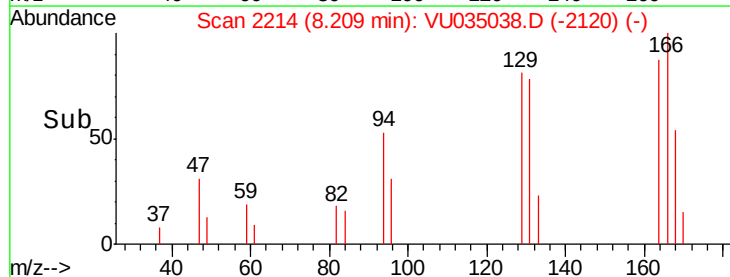
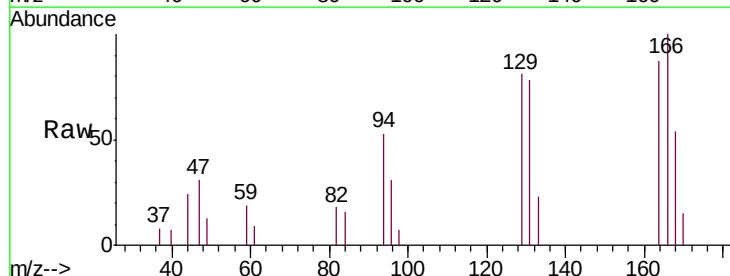
Manual Integrations
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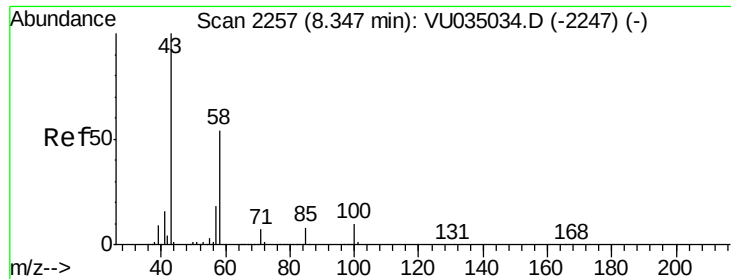
MMDadoda
 10/11/2019 8:32:23 AM



#47
 Tetrachloroethene
 Concen: 0.268 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion:	164	Resp:	2827
Ion	Ratio	Lower	Upper
164	100		
129	92.8	68.5	127.1
131	89.8	67.3	124.9
166	115.2	93.1	172.9





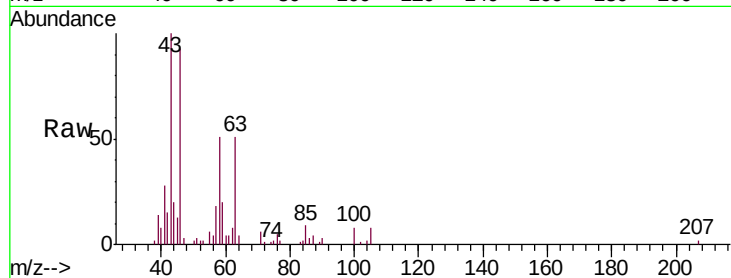
#48
2-Hexanone
Concen: 3.826 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.8	44.1	66.1
57	18.8	15.8	23.8
100	7.9	9.4	14.2

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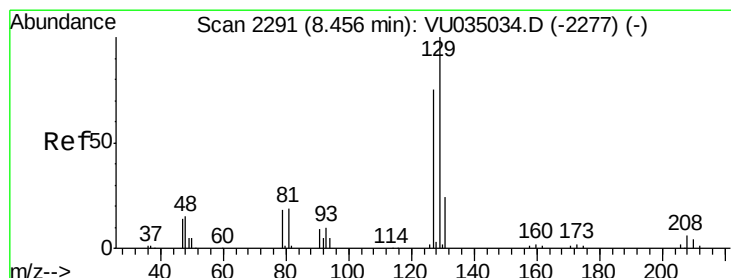
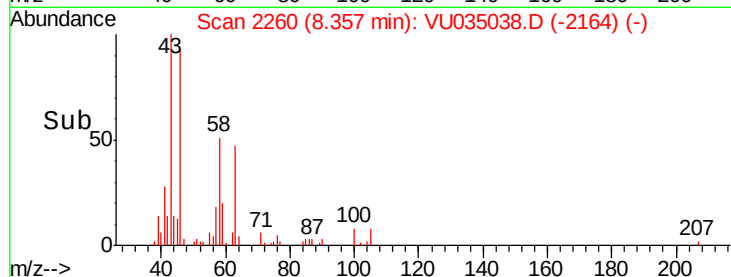
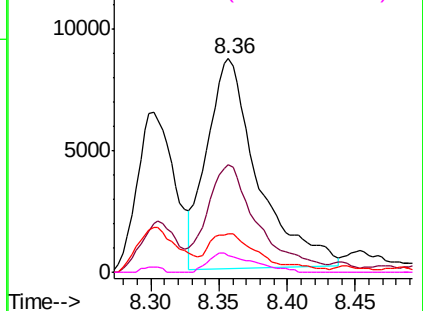
Abundance

Ion 43.05 (42.75 to 43.75): VU035038.D (-2247) (-)

Ion 58.05 (57.75 to 58.75): VU035038.D (-2247) (-)

Ion 57.20 (56.90 to 57.90): VU035038.D (-2247) (-)

Ion 100.15 (99.85 to 100.85): VU035038.D (-2247) (-)



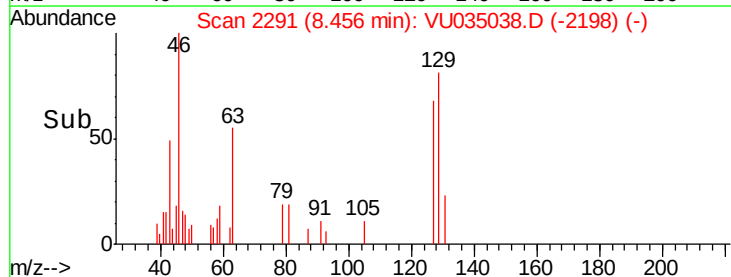
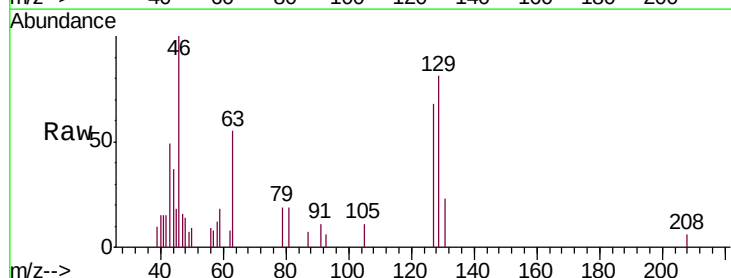
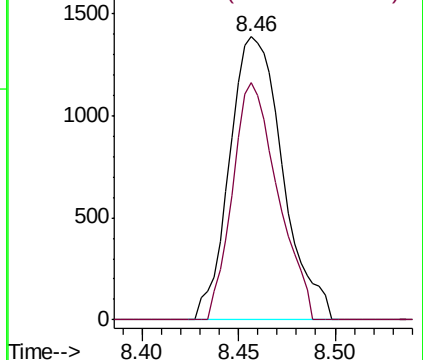
#49
Dibromochloromethane
Concen: 0.253 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

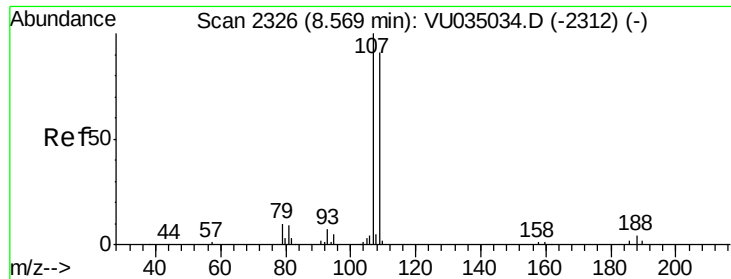
Tgt Ion	Ratio	Lower	Upper
129	100		
127	84.0	51.9	96.5

Abundance

Ion 128.95 (128.65 to 129.65): VU035038.D (-2198) (-)

Ion 126.90 (126.60 to 127.60): VU035038.D (-2198) (-)





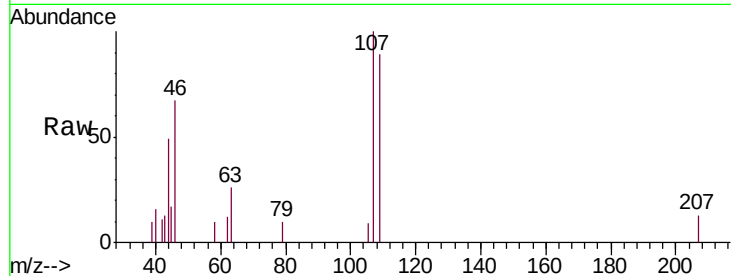
#50
1,2-Dibromoethane
Concen: 0.274 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2370		
109	89.2	64.8	120.4	
188	0.0	3.0	4.6#	

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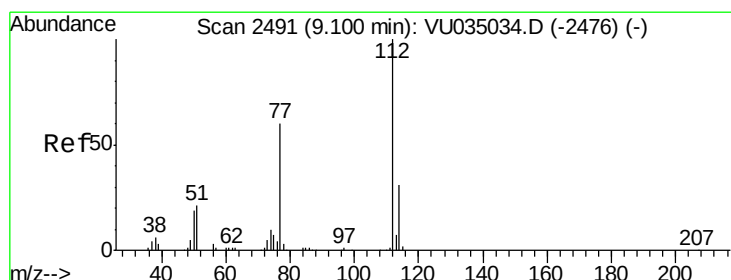
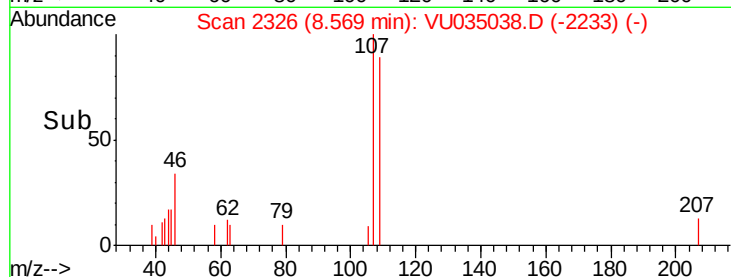
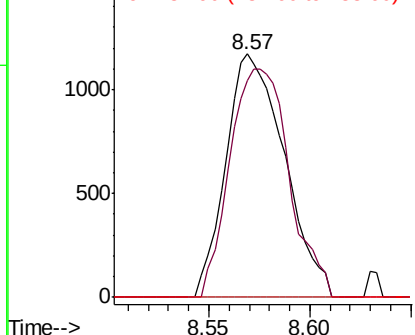


Abundance

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: 0.285 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

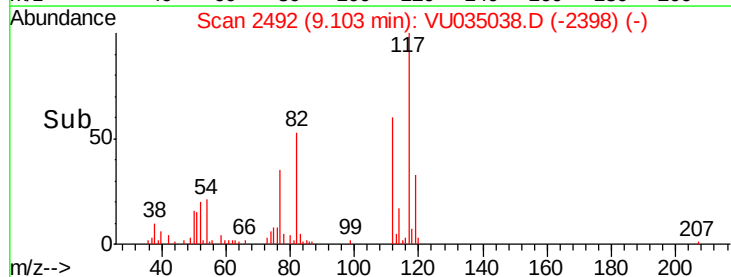
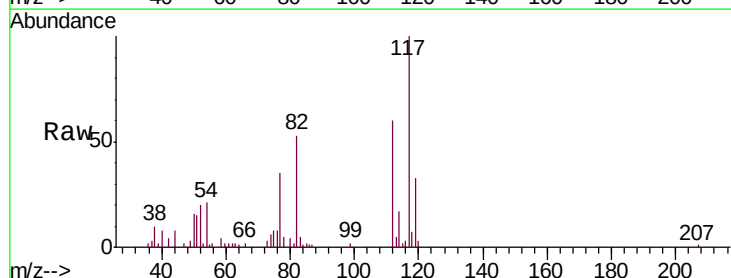
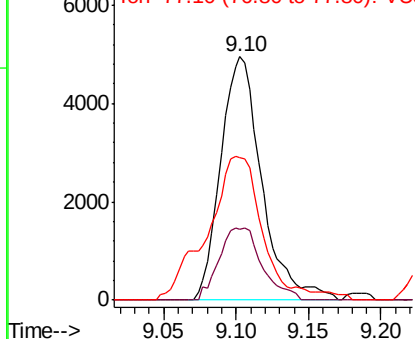
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	9732		
114	28.9	22.1	41.1	
77	58.5	46.9	70.3	

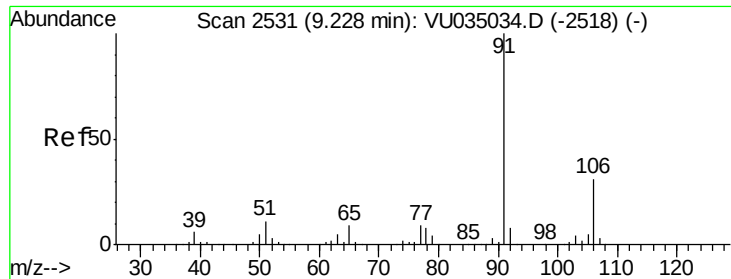
Abundance

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: 0.265 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 91 Resp: 15399

Ion Ratio Lower Upper

91 100

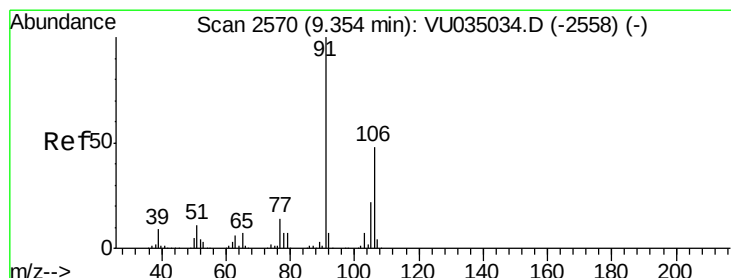
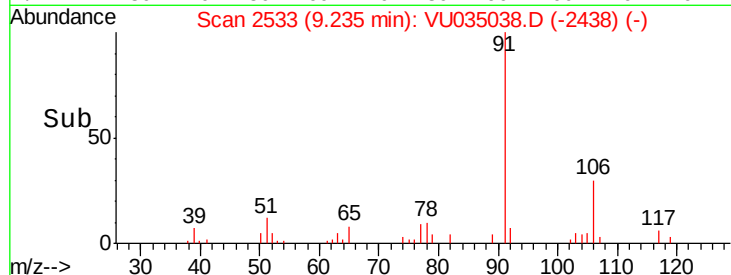
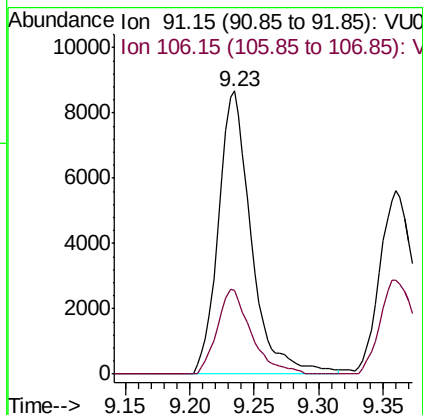
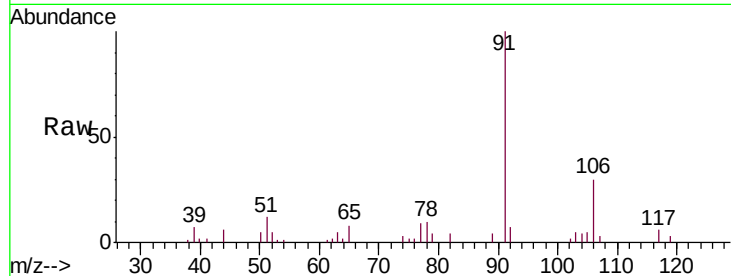
106 29.5 21.6 40.2

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#53

m,p-Xylene

Concen: 0.252 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU035038.D

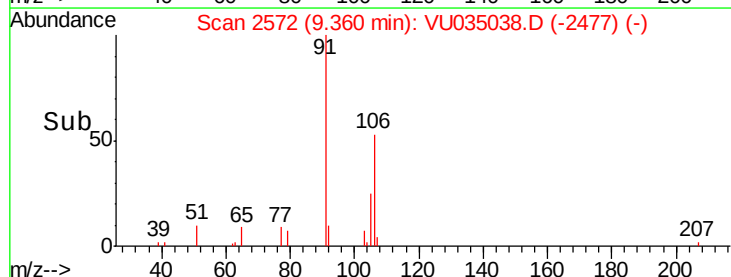
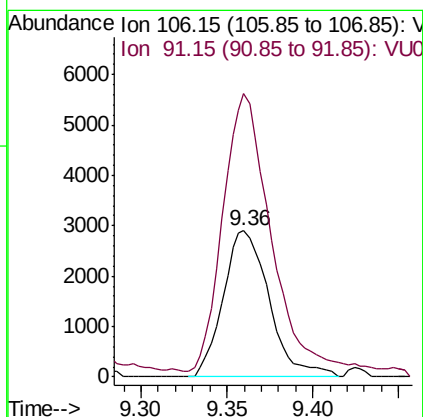
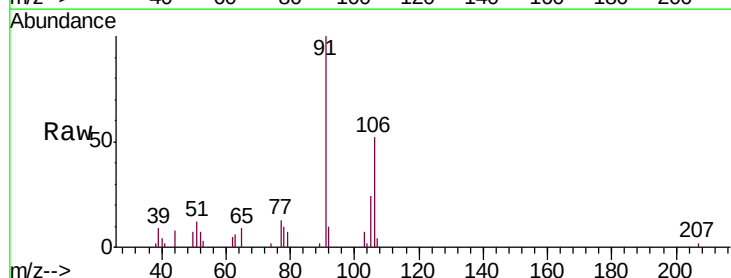
Acq: 10 Oct 2019 10:41

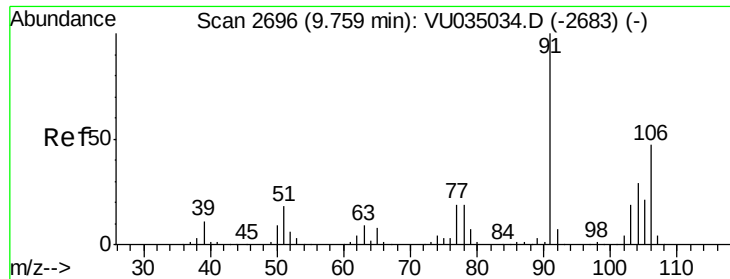
Tgt Ion: 106 Resp: 5424

Ion Ratio Lower Upper

106 100

91 194.1 147.6 274.0





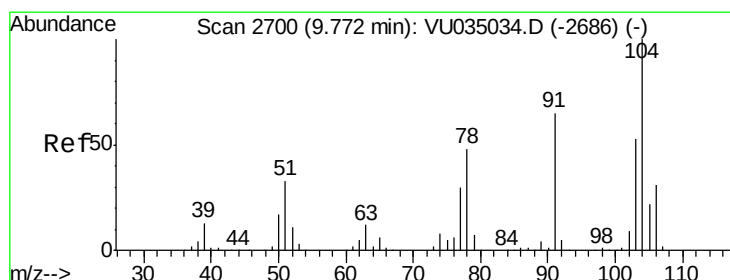
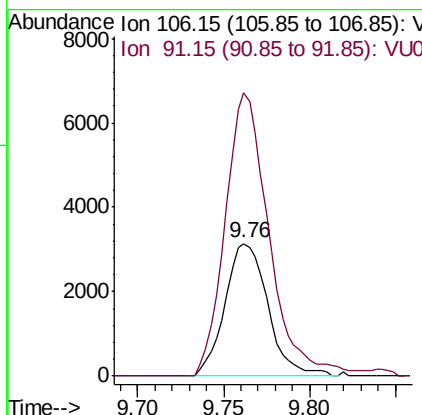
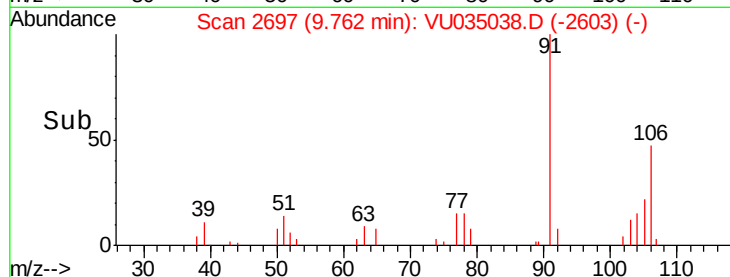
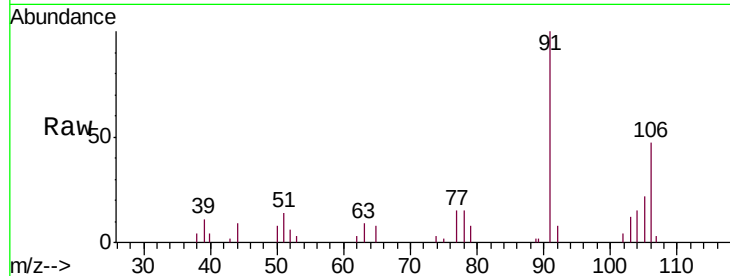
#54
o-Xylene
Concen: 0.260 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion:106 Resp: 5466
Ion Ratio Lower Upper
106 100
91 213.7 148.5 275.7

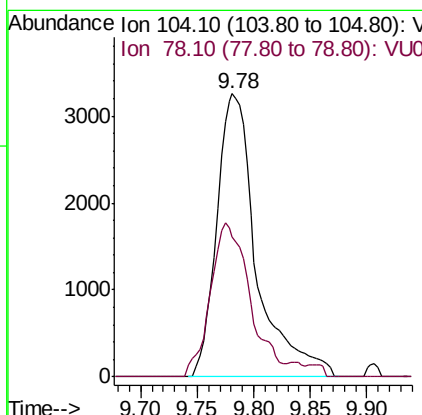
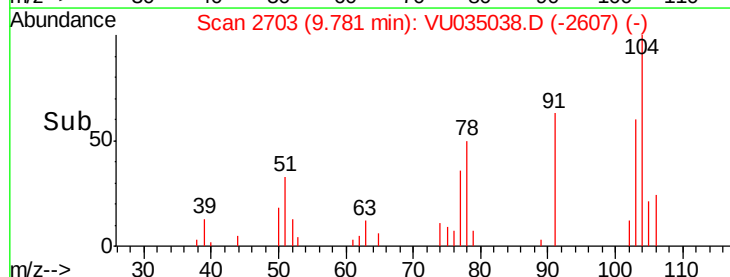
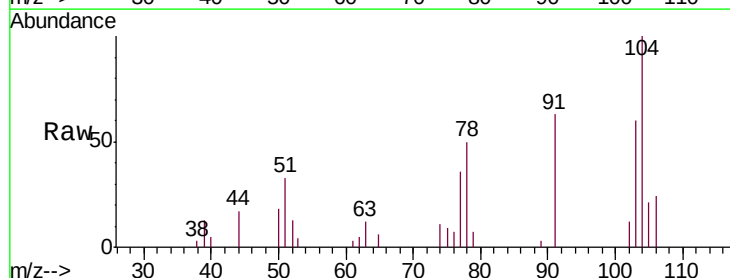
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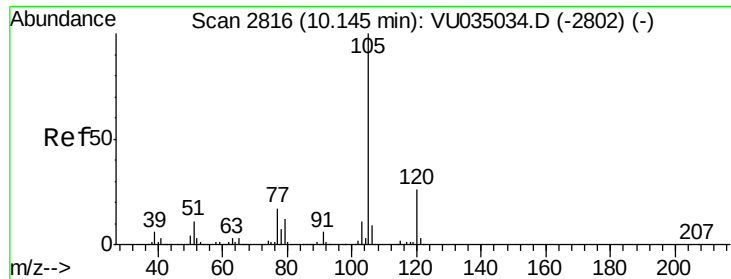
MMDadoda
10/11/2019 8:32:23 AM



#55
Styrene
Concen: 0.234 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU035038.D
Acq: 10 Oct 2019 10:41

Tgt Ion:104 Resp: 7969
Ion Ratio Lower Upper
104 100
78 49.6 32.8 60.8





#56

Isopropylbenzene

Concen: 0.247 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

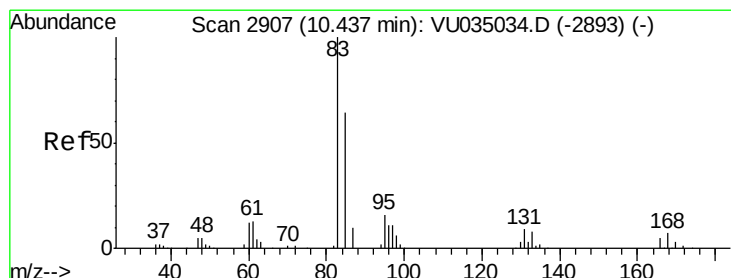
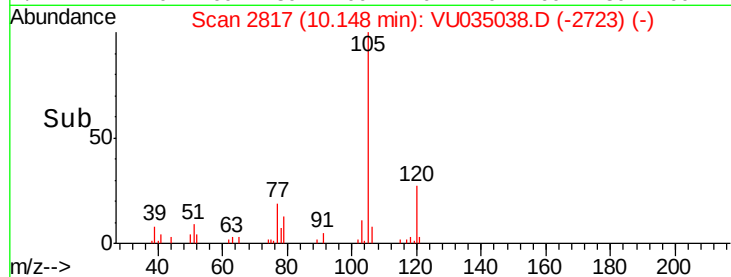
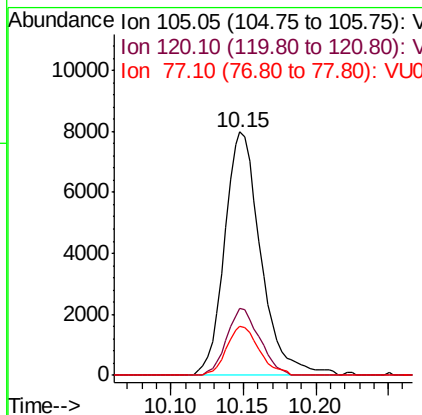
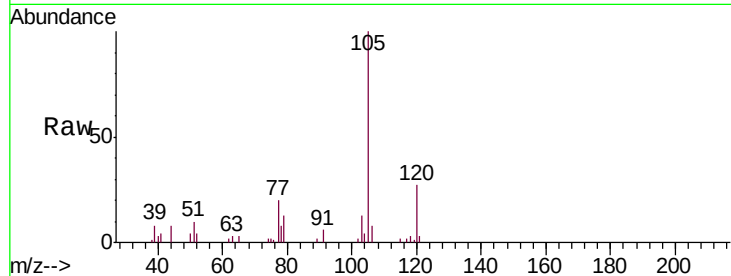
ClientSampleId :

MDL03

Tgt Ion:	105	Resp:	13846
Ion Ratio	Lower	Upper	
105	100		
120	24.8	21.3	31.9
77	18.0	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.305 ug/L

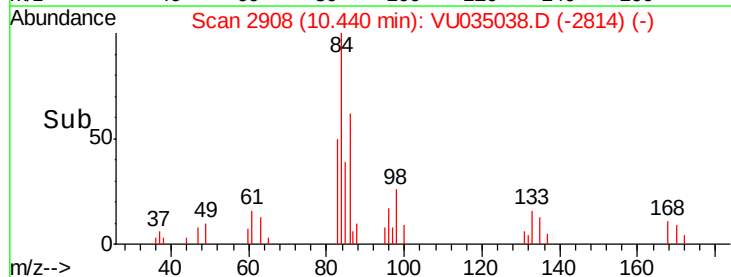
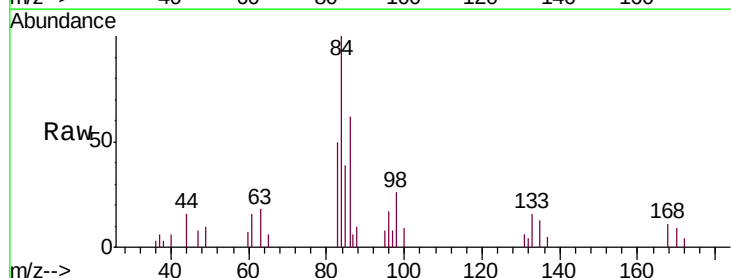
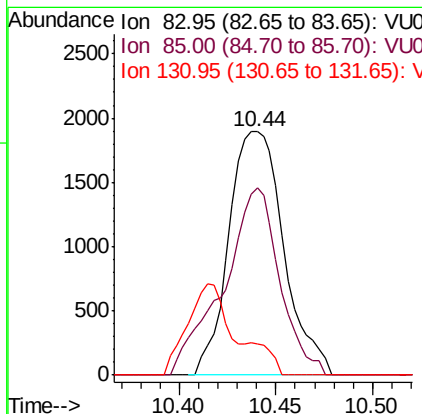
RT: 10.44 min Scan# 2908

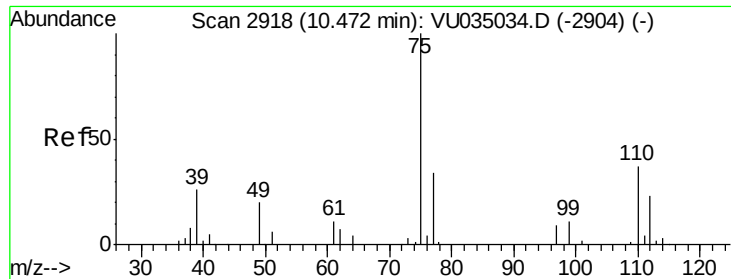
Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Tgt Ion:	83	Resp:	3748
Ion Ratio	Lower	Upper	
83	100		
85	77.0	44.6	82.8
131	13.0	7.4	11.2#





#59

1,2,3-Trichloropropane

Concen: 0.288 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 75 Resp: 2537

Ion Ratio Lower Upper

75 100

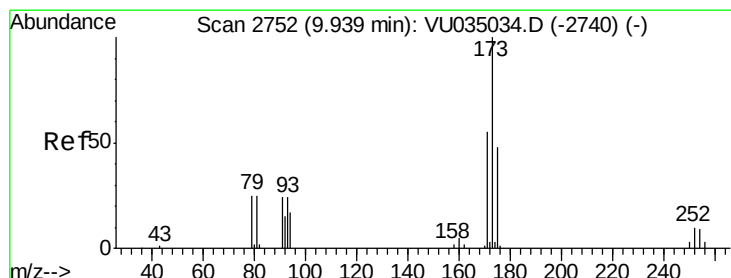
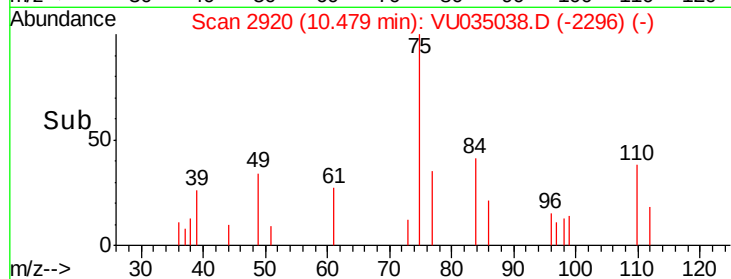
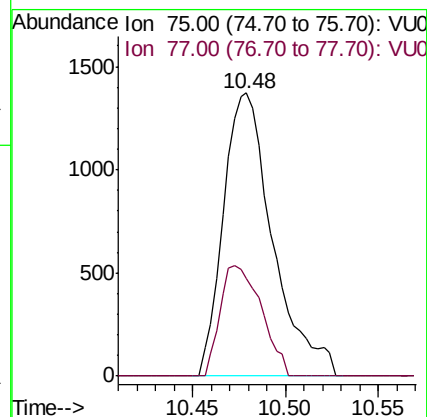
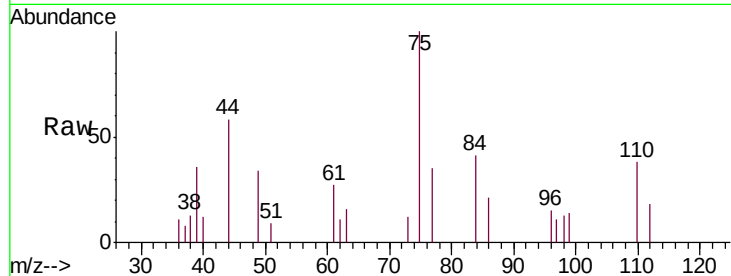
77 32.6 26.5 39.7

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#61

Bromoform

Concen: 0.236 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

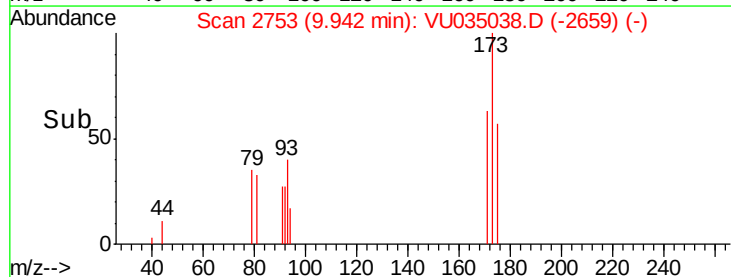
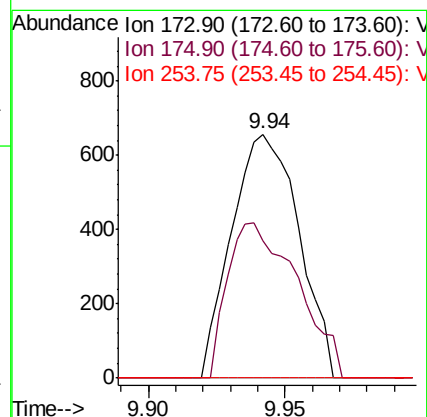
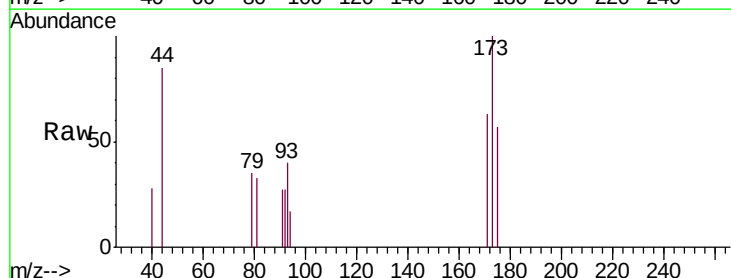
Tgt Ion: 173 Resp: 1121

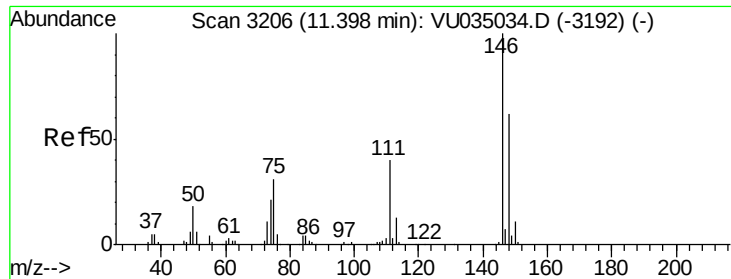
Ion Ratio Lower Upper

173 100

175 66.5 37.2 55.8#

254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.305 ug/L

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

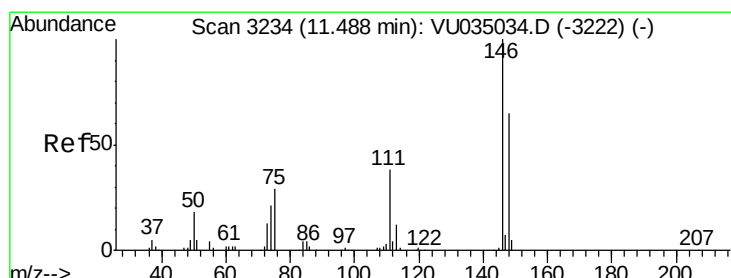
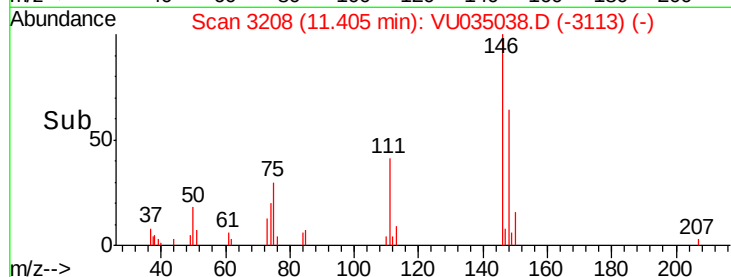
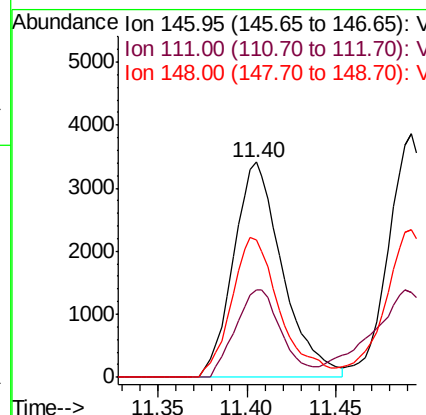
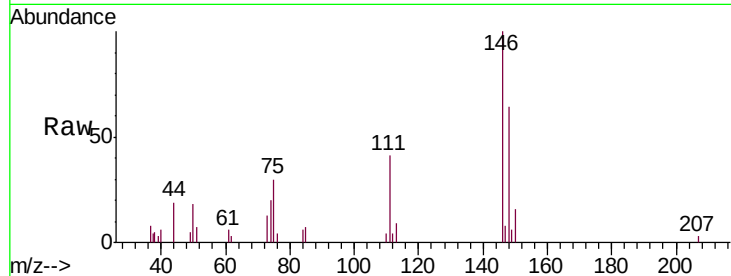
ClientSampled :

MDL03

Tgt Ion:	146	Resp:	6517
Ion Ratio	Lower	Upper	
146	100		
111	40.8	28.6	53.2
148	63.8	45.0	83.6

Manual Integrations
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#63

1,4-Dichlorobenzene

Concen: 0.332 ug/L

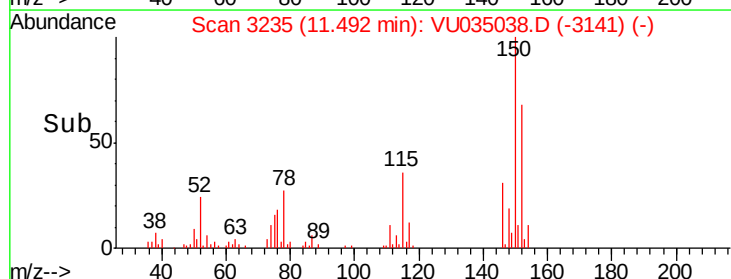
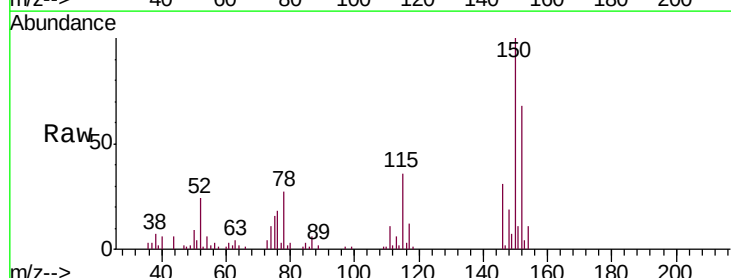
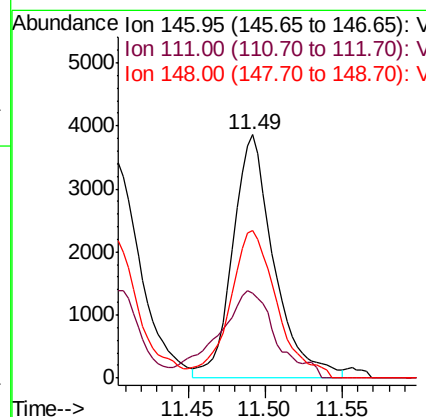
RT: 11.49 min Scan# 3235

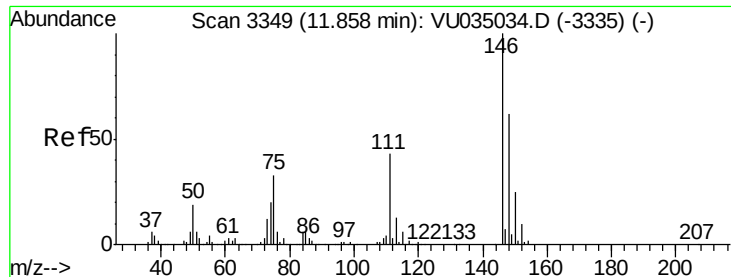
Delta R.T. 0.00 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Tgt Ion:	146	Resp:	7151
Ion Ratio	Lower	Upper	
146	100		
111	34.8	27.9	51.7
148	60.6	44.1	81.9





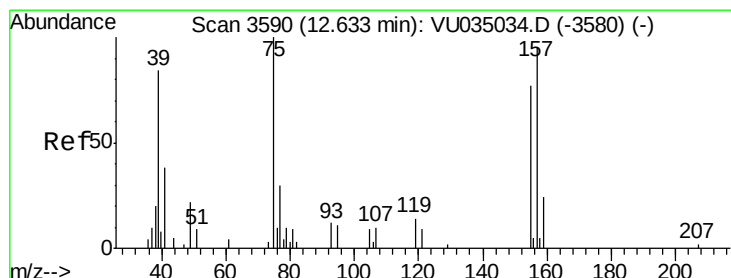
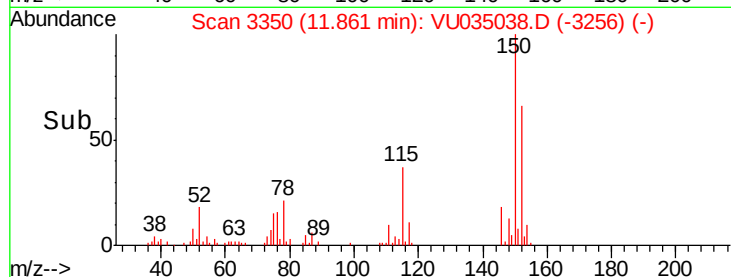
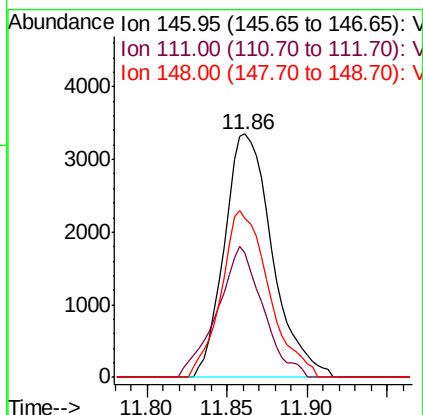
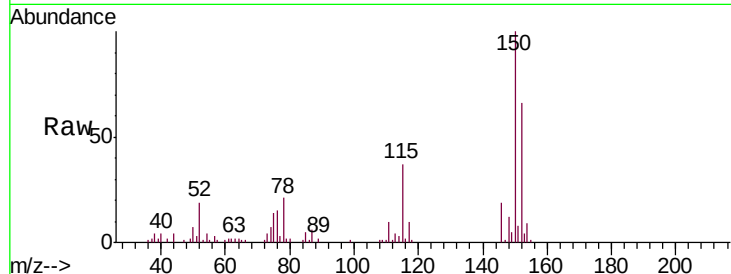
#65
 1,2-Dichlorobenzene
 Concen: 0.334 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	6868		
111	51.2	34.2	51.4	
148	65.4	52.0	78.0	

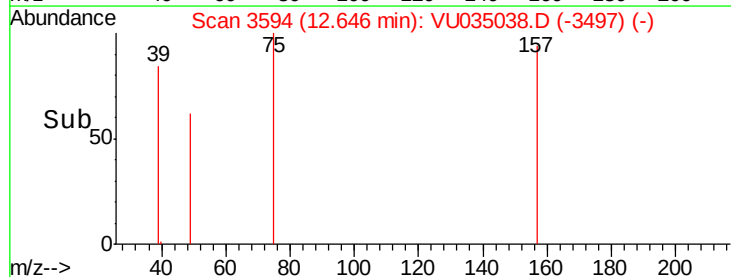
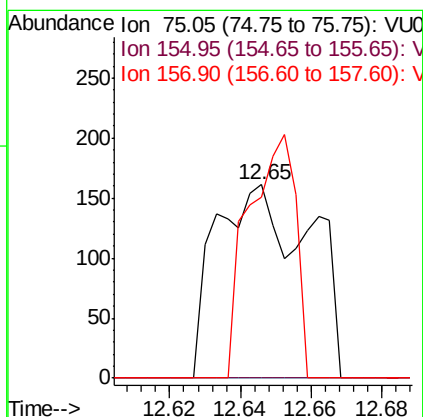
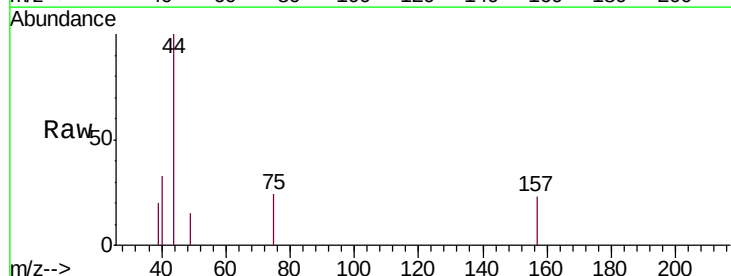
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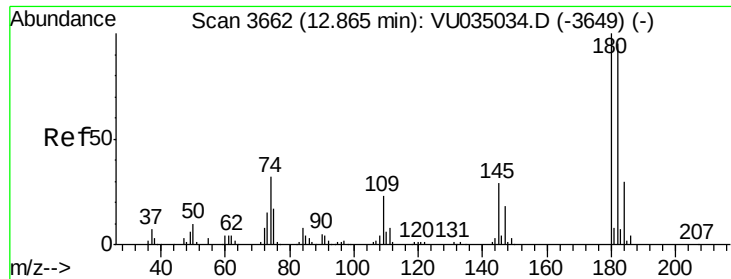
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.228 ug/L m
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	298		
155	0.0	67.1	100.7#	
157	93.8	83.7	125.5	





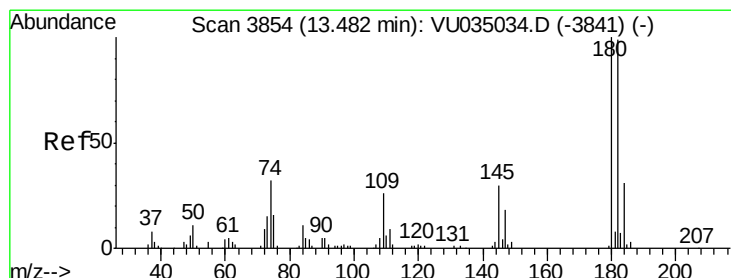
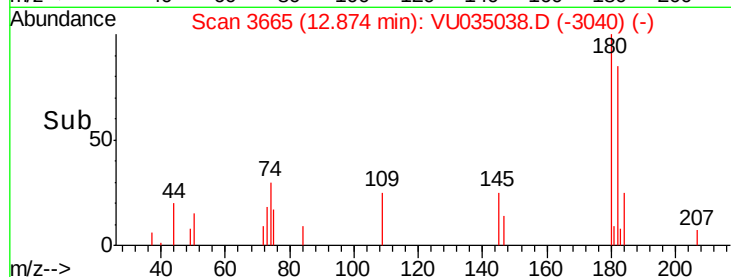
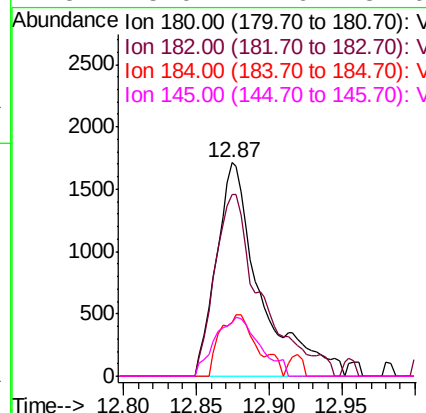
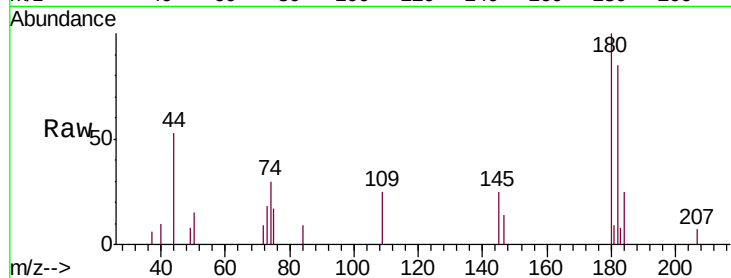
#67
 1,3,5-Trichlorobenzene
 Concen: 0.250 ug/L m
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3612		
182	90.1	76.0	114.0	
184	21.8	24.2	36.2	
145	28.0	24.6	37.0	

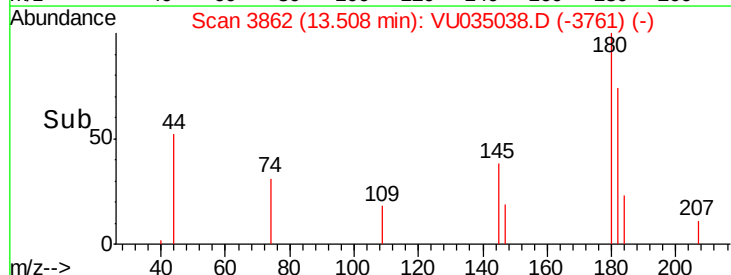
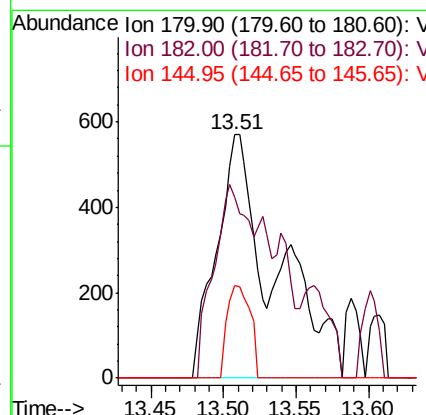
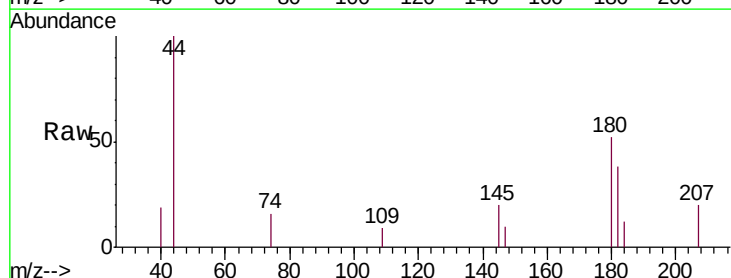
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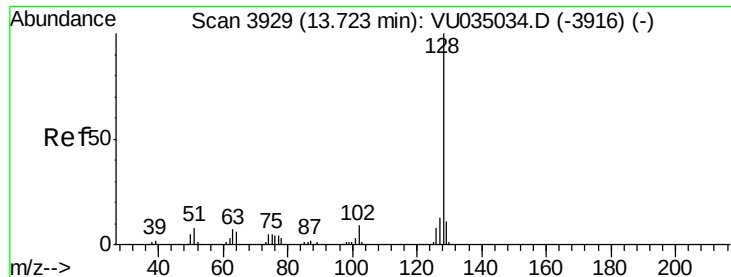
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#68
 1,2,4-trichlorobenzene
 Concen: 0.147 ug/L m
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.03 min
 Lab File: VU035038.D
 Acq: 10 Oct 2019 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1590		
182	48.0	77.3	115.9	#
145	14.9	24.5	36.7	#





#69

Naphthalene

Concen: 0.149 ug/L m

RT: 13.76 min Scan# 3939

Delta R.T. 0.03 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Instrument :

MSVOA_U

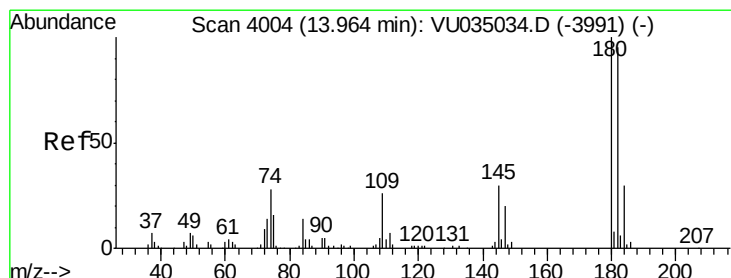
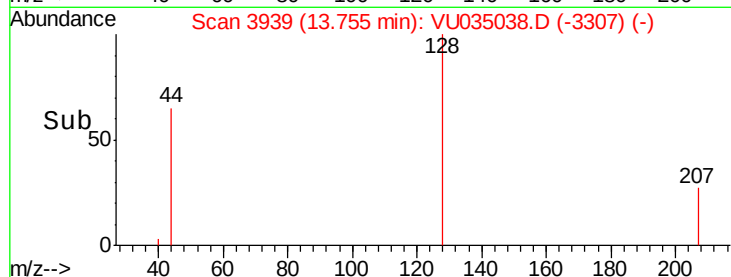
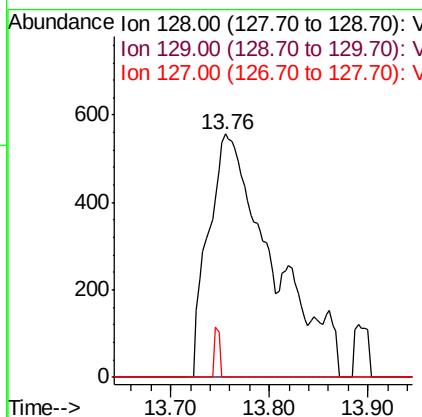
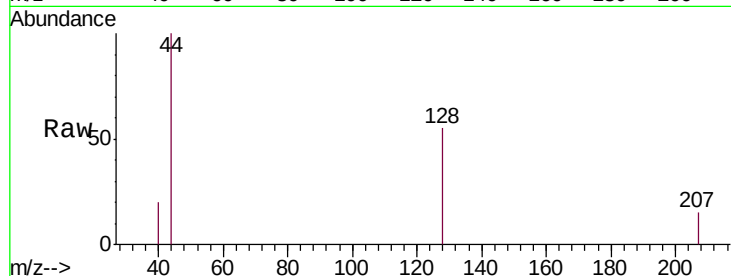
ClientSampleId :

MDL03

Tgt Ion:	128	Resp:	2505
Ion Ratio	Lower	Upper	
128	100		
129	0.0	8.7	13.1#
127	1.7	10.6	15.8#

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 0.189 ug/L m

RT: 13.99 min Scan# 4012

Delta R.T. 0.03 min

Lab File: VU035038.D

Acq: 10 Oct 2019 10:41

Tgt Ion:	180	Resp:	1986
Ion Ratio	Lower	Upper	
180	100		
182	7.8	77.0	115.4#
145	3.1	25.9	38.9#

