

Data File : VU035036.D
Acq On : 10 Oct 2019 09:54
Operator : JC/SP
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:32:21 AM

Quant Time: Oct 11 02:57:33 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	163939	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	170301	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	72721	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56025	5.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.60%
7) Chloroethane-d5	1.67	69	50940	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.60%
11) 1,1-Dichloroethene-d2	2.26	63	82751	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	4.18	46	157411	55.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.32%
24) Chloroform-d	4.62	84	98422	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.29	65	57054	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.31	84	201316	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.31	67	67850	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.55	98	180708	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.84	79	22067	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.30	63	114256	50.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57436	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	63997	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5582	0.373 ug/L	97
3) Chloromethane	1.32	50	6330	0.385 ug/L	98
5) Vinyl chloride	1.40	62	6463	0.400 ug/L	92
6) Bromomethane	1.62	94	3498	0.390 ug/L	94
8) Chloroethane	1.69	64	3572	0.369 ug/L	95
9) Trichlorofluoromethane	1.88	101	7787	0.399 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4718	0.421 ug/L	91
12) 1,1-Dichloroethene	2.27	96	4430	0.421 ug/L #	1
13) Acetone	2.33	43	10835	4.636 ug/L	93
14) Carbon disulfide	2.46	76	12197	0.348 ug/L #	91
15) Methyl Acetate	2.61	43	2327	0.374 ug/L #	88
16) Methylene chloride	2.68	84	6511	0.499 ug/L	79
17) Methyl tert-butyl Ether	2.99	73	11276	0.392 ug/L #	93
18) trans-1,2-Dichloroethene	2.96	96	4046	0.359 ug/L	90
19) 1,1-Dichloroethane	3.42	63	8664	0.387 ug/L	95
21) 2-Butanone	4.28	43	11400	3.425 ug/L	78
22) cis-1,2-Dichloroethene	4.20	96	4658	0.370 ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	1960	0.372	ug/L	92
25) Chloroform	4.65	83	15267	0.606	ug/L	92
27) 1,2-Dichloroethane	5.39	62	6016	0.409	ug/L #	89
29) 1,1,1-Trichloroethane	4.89	97	6558	0.343	ug/L	98
30) Cyclohexane	4.96	56	6687	0.318	ug/L	95
31) Carbon tetrachloride	5.11	117	5736	0.346	ug/L	98
33) Benzene	5.36	78	17937	0.350	ug/L	100
34) Trichloroethene	6.17	95	4640	0.351	ug/L	93
35) Methylcyclohexane	6.39	83	7784	0.363	ug/L	93
37) 1,2-Dichloropropane	6.42	63	5436	0.393	ug/L #	94
38) Bromodichloromethane	6.74	83	5463	0.337	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	6299	0.336	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	30243	3.473	ug/L	93
42) Toluene	7.62	91	19934	0.372	ug/L	94
44) trans-1,3-Dichloropropene	7.86	75	4626m	0.319	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	3598	0.392	ug/L	95
47) Tetrachloroethene	8.21	164	3637	0.340	ug/L	91
48) 2-Hexanone	8.36	43	25696	4.303	ug/L #	92
49) Dibromochloromethane	8.46	129	3567	0.336	ug/L	95
50) 1,2-Dibromoethane	8.57	107	3155	0.359	ug/L #	89
51) Chlorobenzene	9.10	112	12455	0.359	ug/L	97
52) Ethylbenzene	9.23	91	19833	0.335	ug/L	99
53) m,p-Xylene	9.36	106	6653	0.305	ug/L	95
54) o-Xylene	9.76	106	6759	0.316	ug/L	92
55) Styrene	9.78	104	10156	0.294	ug/L	98
56) Isopropylbenzene	10.15	105	18160	0.319	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	4884	0.391	ug/L #	97
59) 1,2,3-Trichloropropane	10.48	75	3219	0.359	ug/L	94
61) Bromoform	9.94	173	1855	0.372	ug/L #	99
62) 1,3-Dichlorobenzene	11.40	146	8309	0.371	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	8956	0.396	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	8856	0.410	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	336m	0.245	ug/L	
67) 1,3,5-Trichlorobenzene	12.87	180	4848	0.320	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	2457m	0.217	ug/L	
69) Naphthalene	13.75	128	3995m	0.227	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	3298m	0.299	ug/L	

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

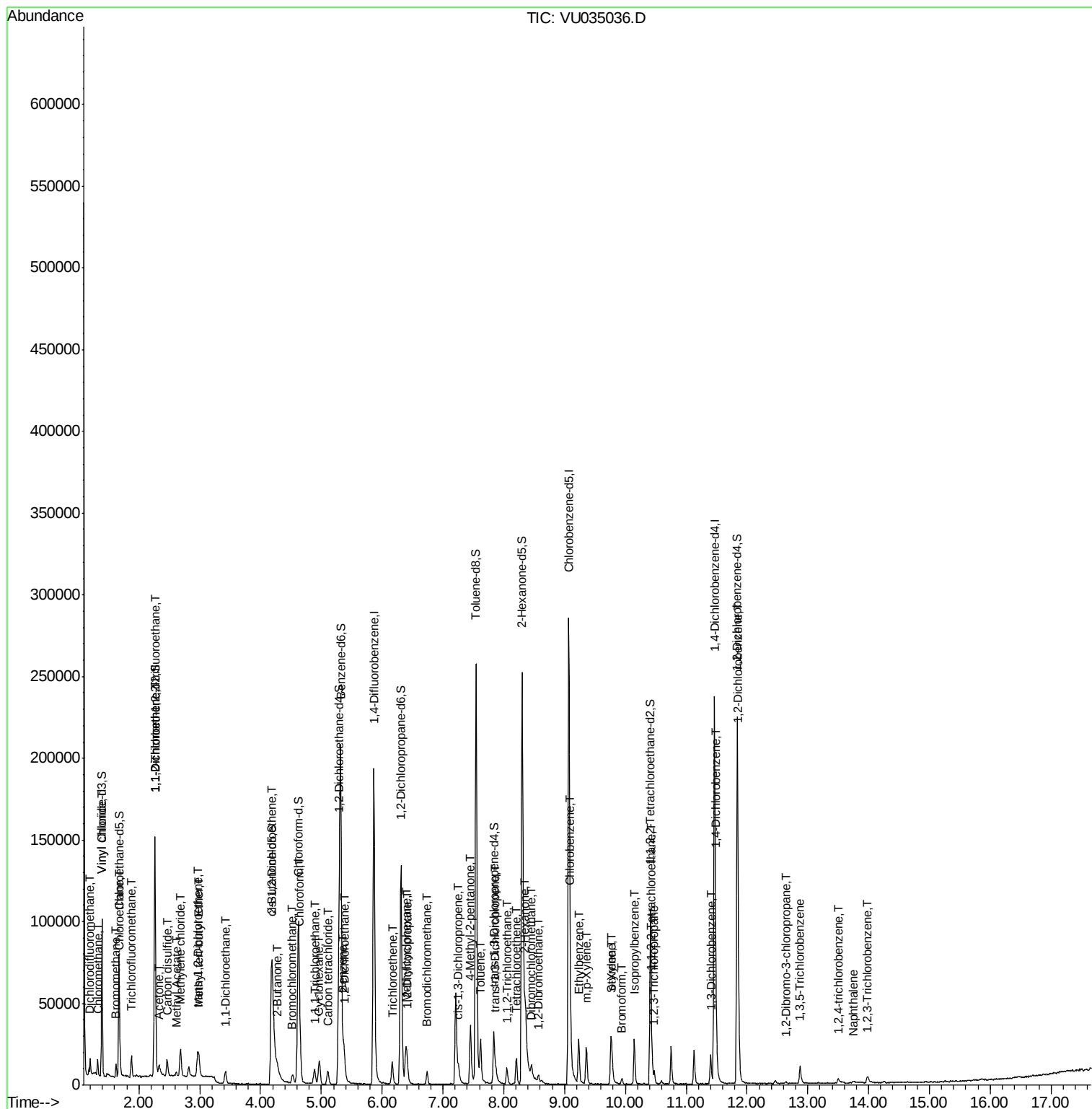
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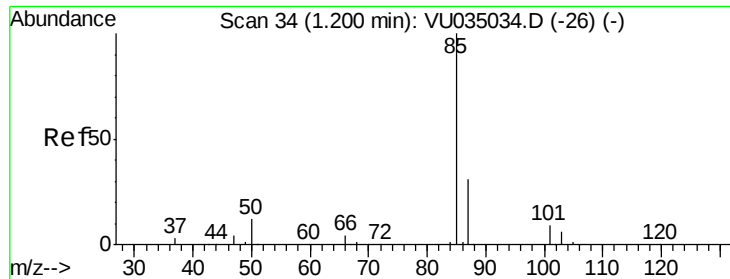
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#2

Dichlorodifluoromethane

Concen: 0.373 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 85 Resp: 5582

Ion Ratio Lower Upper

85 100

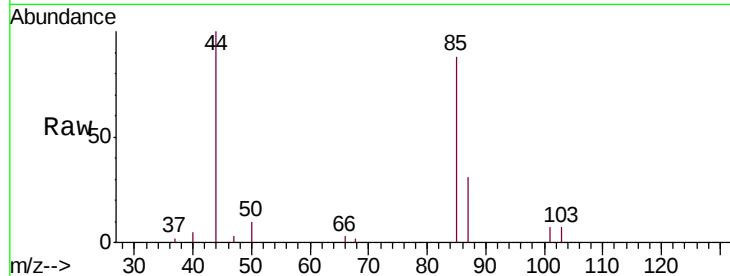
87 31.2 26.3 39.5

Manual Integrations

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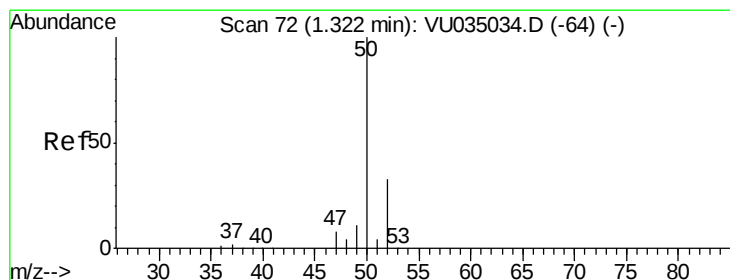
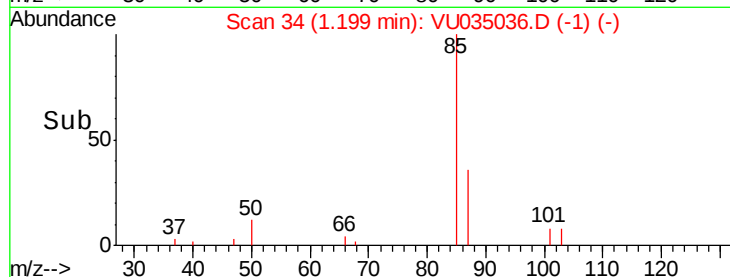
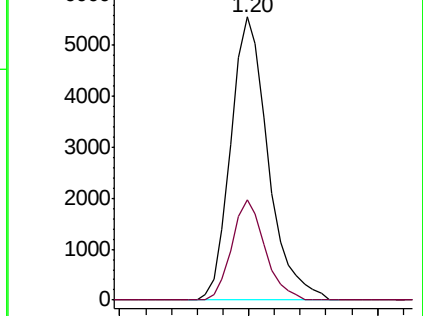
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Abundance Ion 85.00 (84.70 to 85.70): VU035034.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035034.D (-26) (-)



#3

Chloromethane

Concen: 0.385 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035036.D

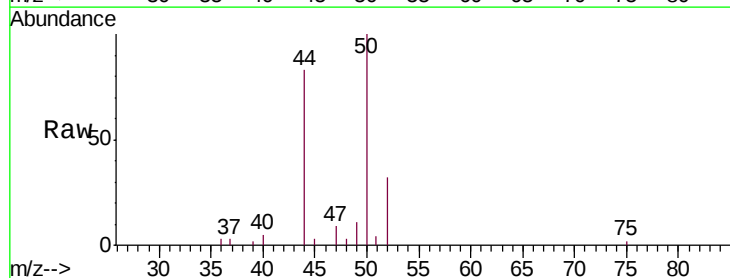
Acq: 10 Oct 2019 09:54

Tgt Ion: 50 Resp: 6330

Ion Ratio Lower Upper

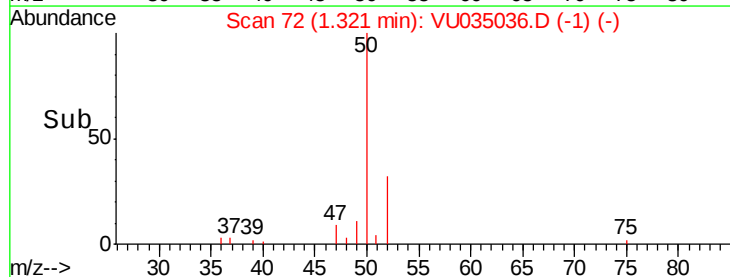
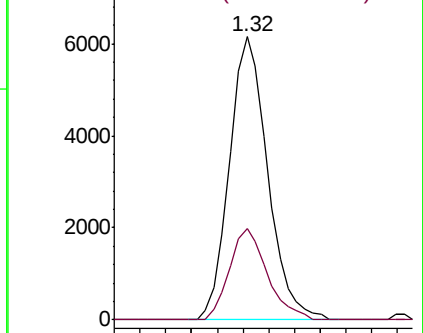
50 100

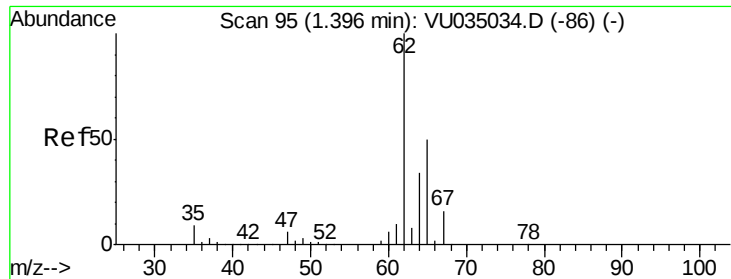
52 32.3 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035034.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035034.D (-64) (-)





#5

Vinyl chloride

Concen: 0.400 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion: 62 Resp: 6463

Ion Ratio Lower Upper

62 100

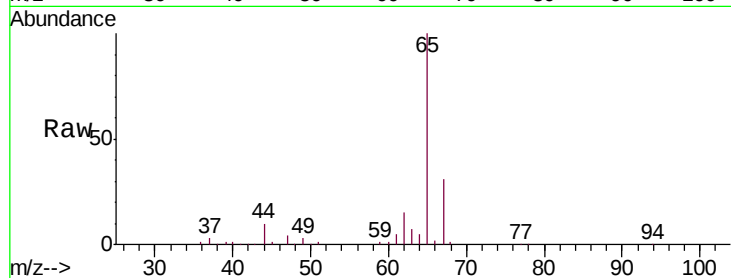
64 37.2 22.8 42.4

Manual Integrations

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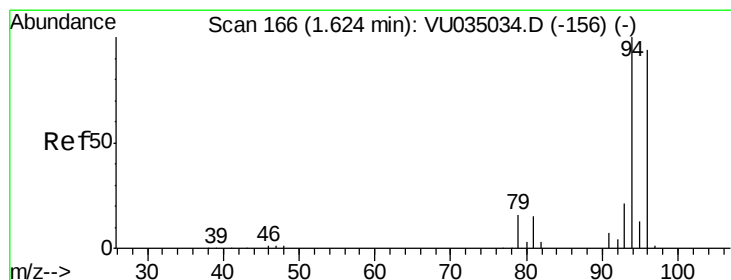
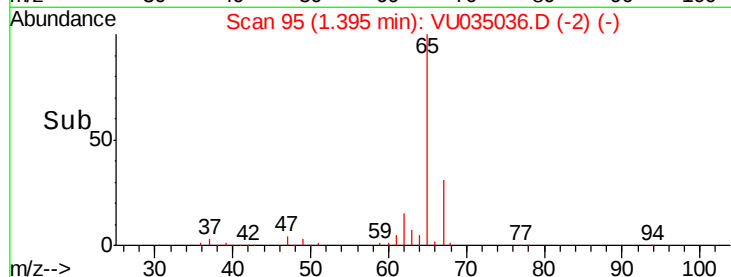
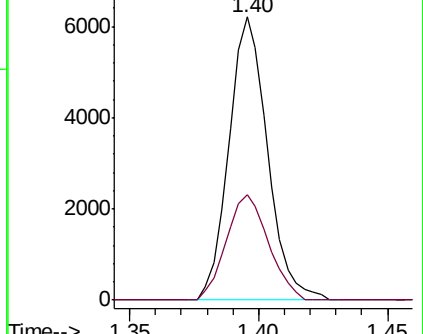
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Abundance Ion 62.00 (61.70 to 62.70): VU035034.D (-86) (-)

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



#6

Bromomethane

Concen: 0.390 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035036.D

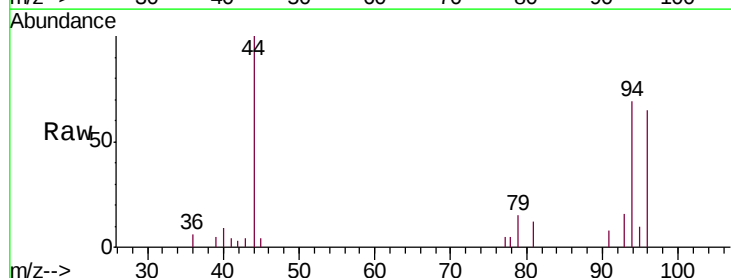
Acq: 10 Oct 2019 09:54

Tgt Ion: 94 Resp: 3498

Ion Ratio Lower Upper

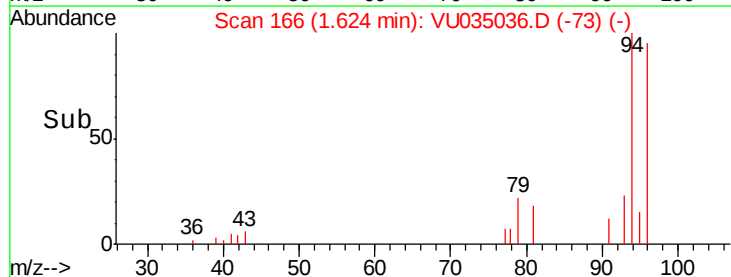
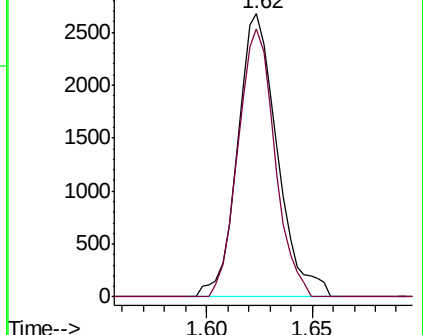
94 100

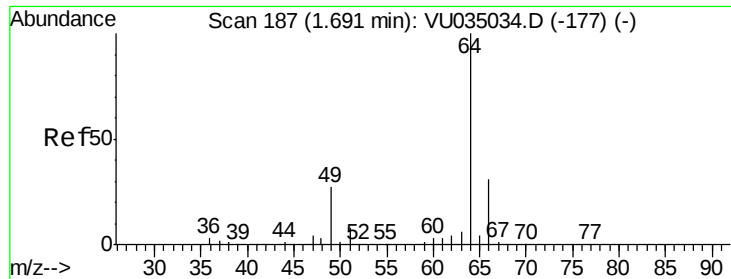
96 94.6 62.4 116.0



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

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





#8

Chloroethane

Concen: 0.369 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion: 64 Resp: 3572

Ion Ratio Lower Upper

64 100

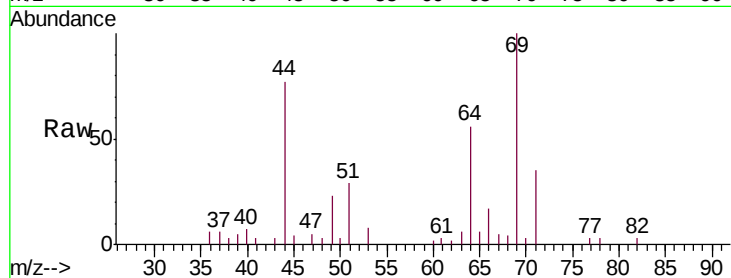
66 30.3 23.2 43.2

Manual Integrations

APPROVED

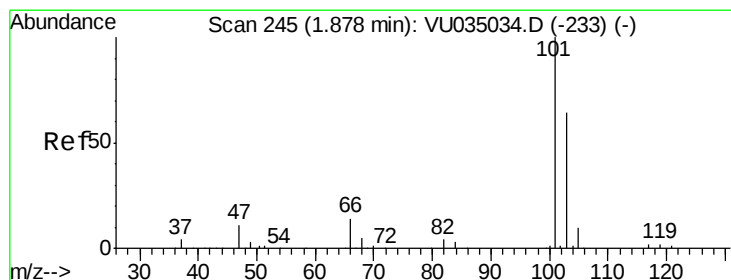
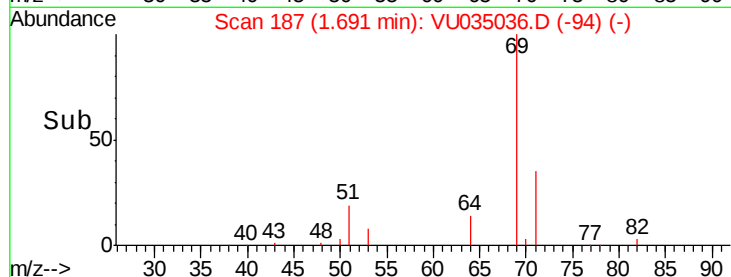
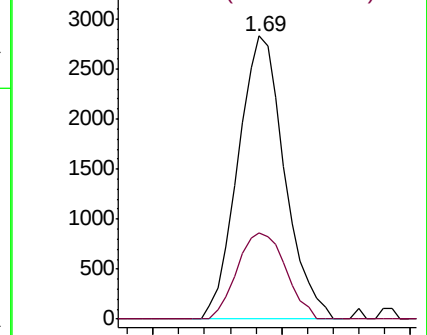
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Abundance Ion 64.10 (63.80 to 64.80): VU035034.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU035034.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.399 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU035036.D

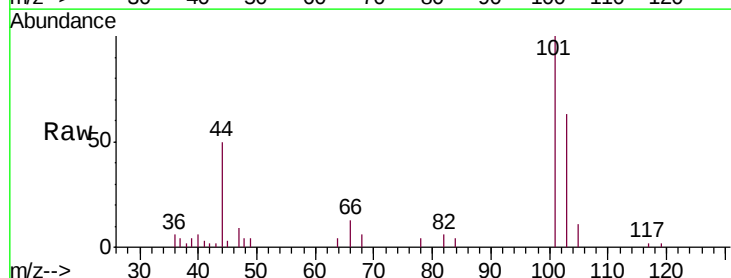
Acq: 10 Oct 2019 09:54

Tgt Ion: 101 Resp: 7787

Ion Ratio Lower Upper

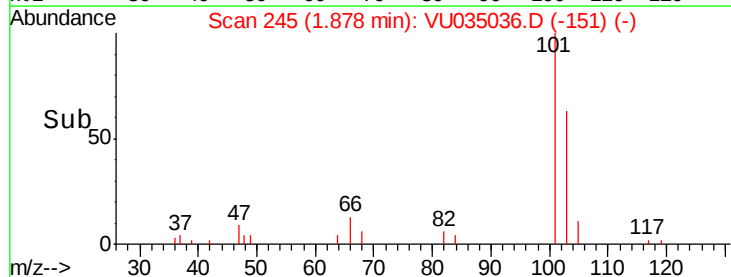
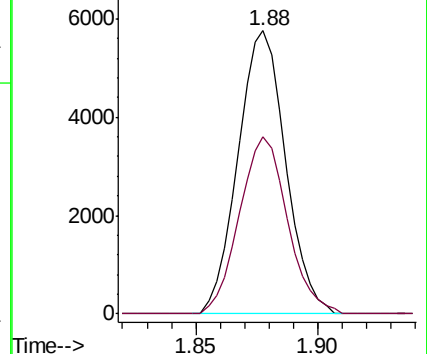
101 100

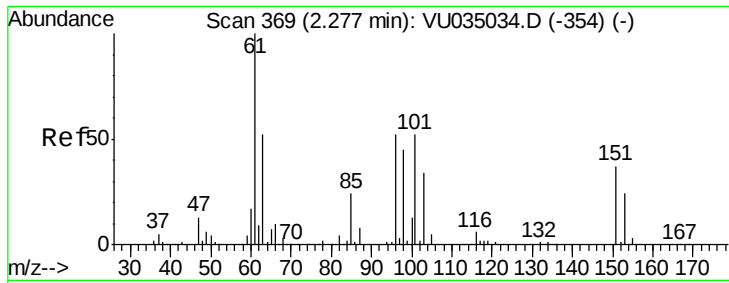
103 63.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035034.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU035034.D (-233) (-)





#10

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

Concen: 0.421 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

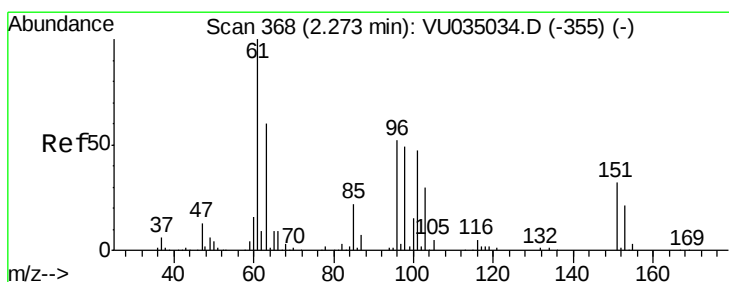
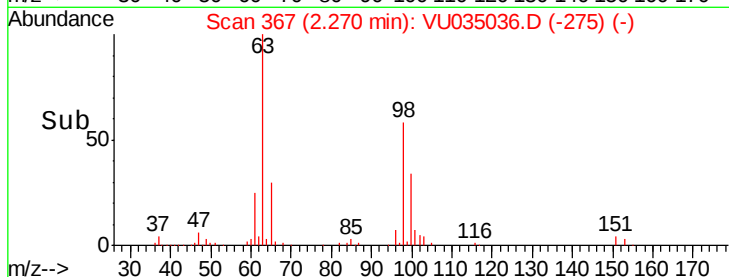
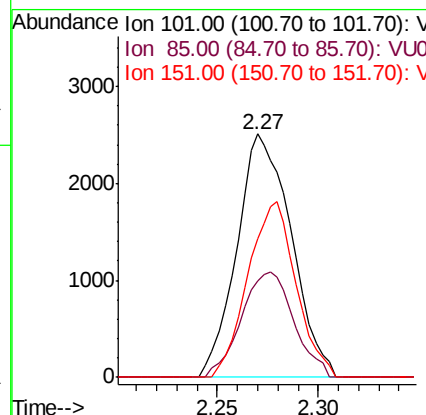
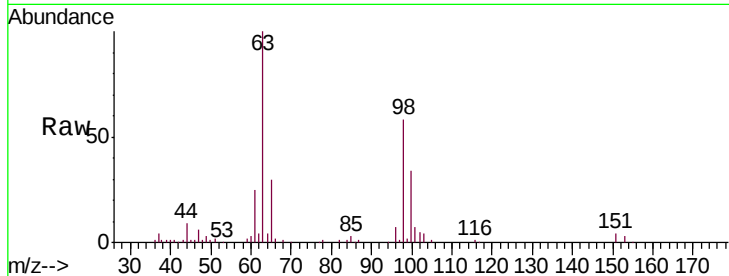
ClientSampleId :

MDL01

Tgt Ion:	101	Resp:	4718
Ion Ratio	Lower	Upper	
101	100		
85	41.9	37.4	56.0
151	64.1	58.6	87.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.421 ug/L

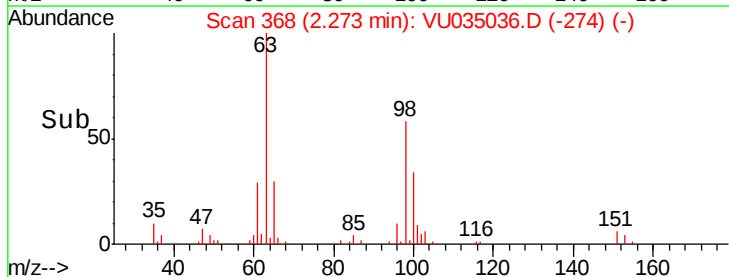
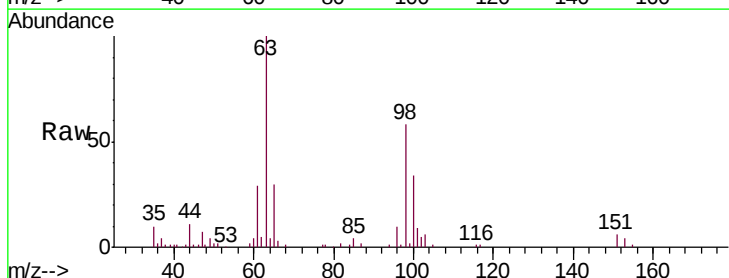
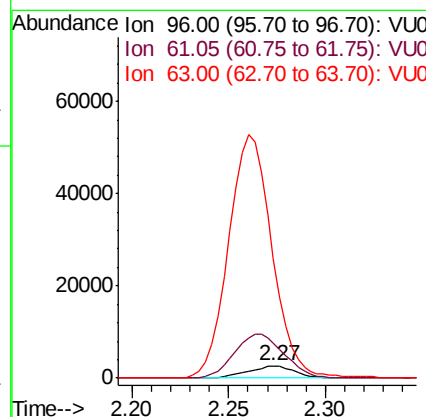
RT: 2.27 min Scan# 368

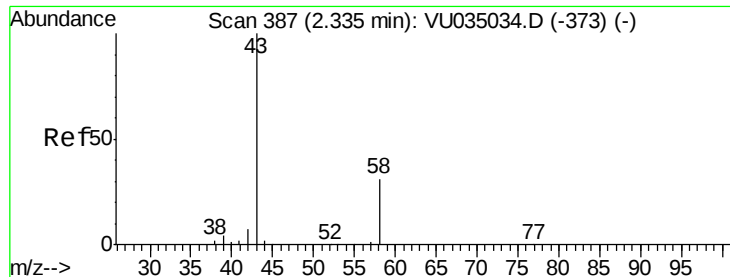
Delta R.T. 0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Tgt Ion:	96	Resp:	4430
Ion Ratio	Lower	Upper	
96	100		
61	282.2	129.3	240.1#
63	973.9	108.9	202.3#





#13

Acetone

Concen: 4.636 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion: 43 Resp: 10835

Ion Ratio Lower Upper

43 100

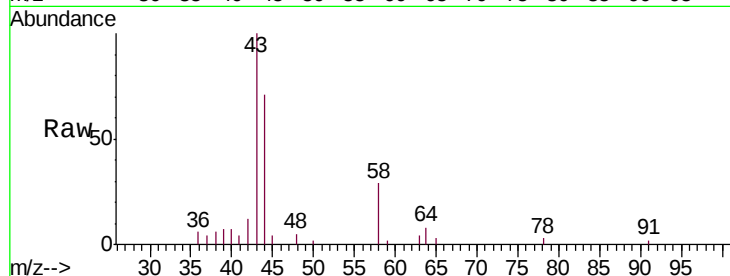
58 29.3 0.0 66.6

Manual Integrations

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

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

2.33

4000

3000

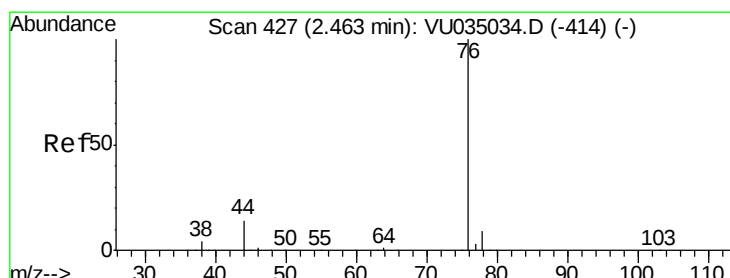
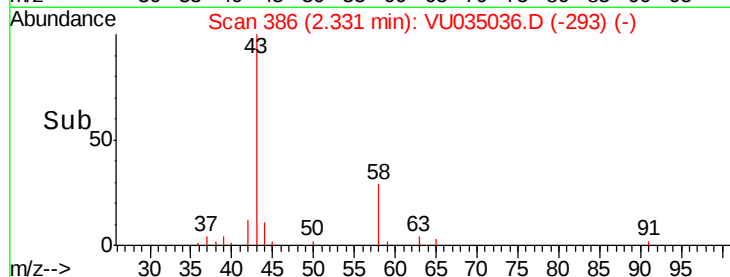
2000

1000

0

2.20 2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 0.348 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU035036.D

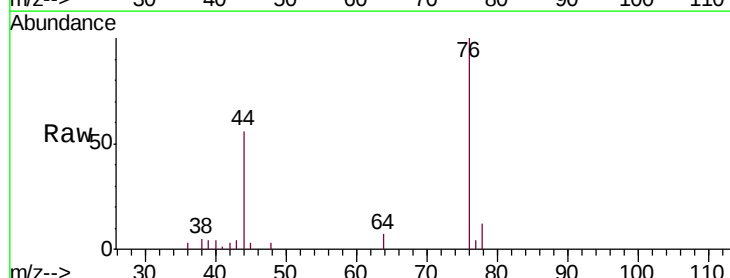
Acq: 10 Oct 2019 09:54

Tgt Ion: 76 Resp: 12197

Ion Ratio Lower Upper

76 100

78 12.0 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) (-)

2.46

8000

6000

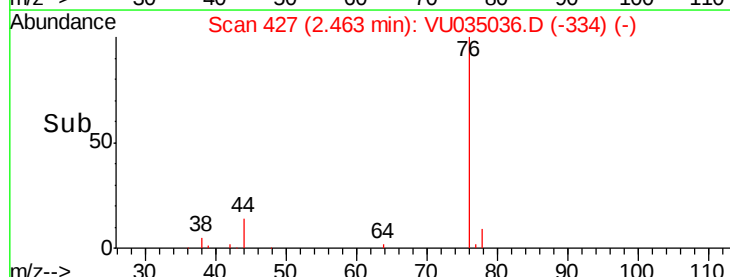
4000

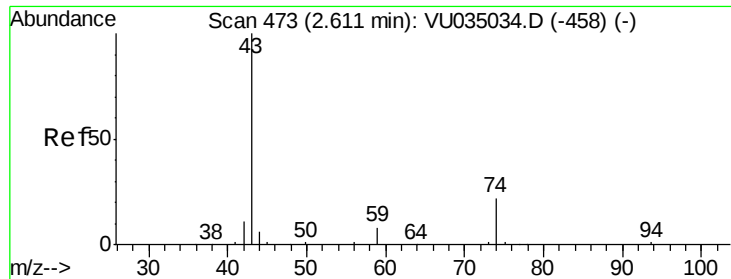
2000

0

2.40 2.45 2.50

Time-->





#15

Methyl Acetate

Concen: 0.374 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tgt Ion: 43 Resp: 2327

Ion Ratio Lower Upper

43 100

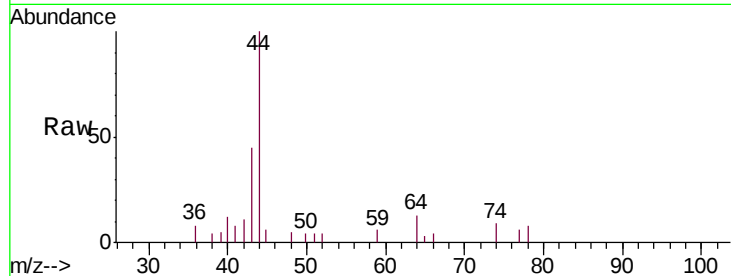
74 16.4 17.8 26.8#

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VU035036.D (-458) (-)

Ion 74.05 (73.75 to 74.75): VU035036.D (-458) (-)

1500

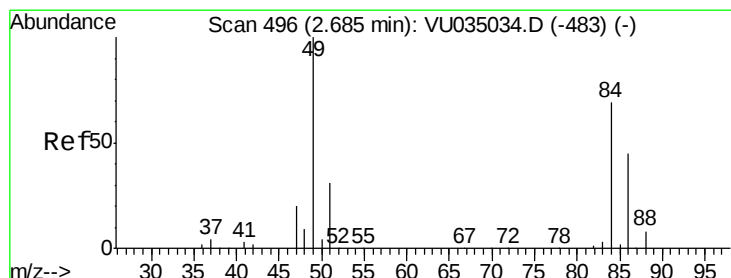
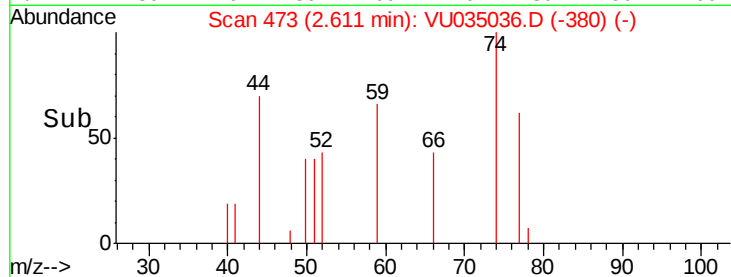
1000

500

0

2.55 2.60 2.65

Time-->



#16

Methylene chloride

Concen: 0.499 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

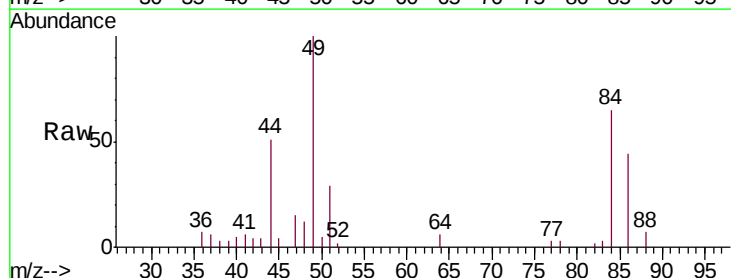
Tgt Ion: 84 Resp: 6511

Ion Ratio Lower Upper

84 100

86 67.8 42.5 78.9

49 154.6 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU035036.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU035036.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU035036.D (-483) (-)

6000

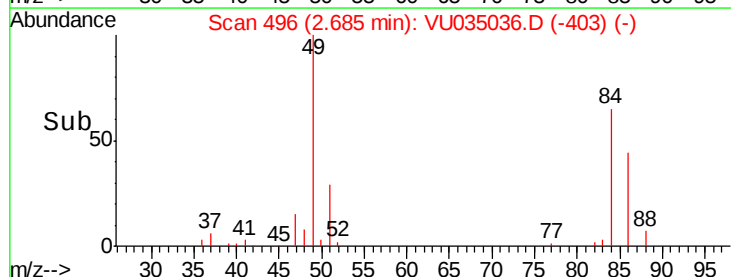
4000

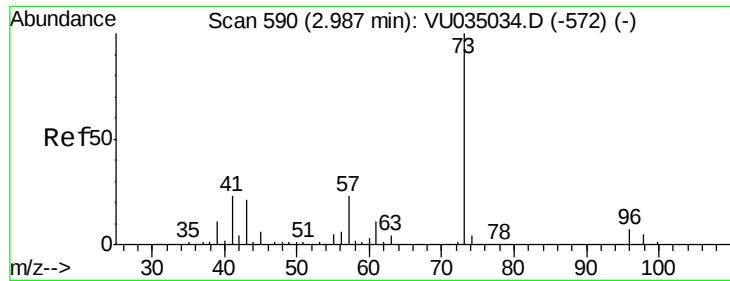
2000

0

2.65 2.70

Time-->





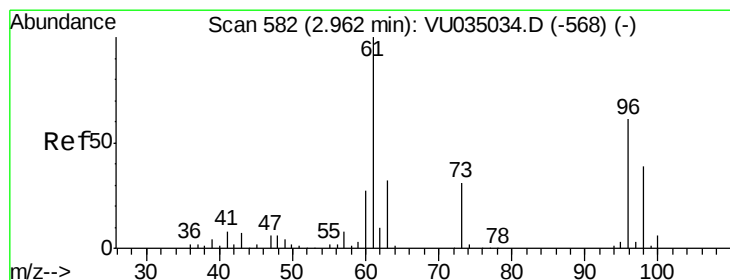
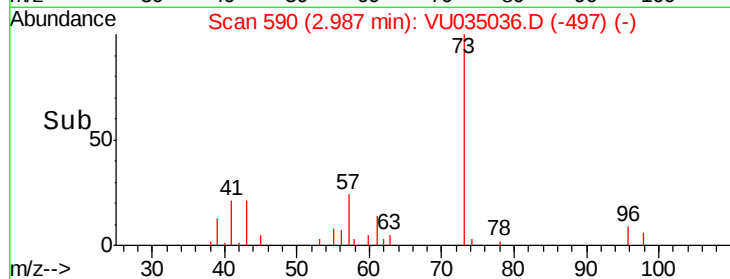
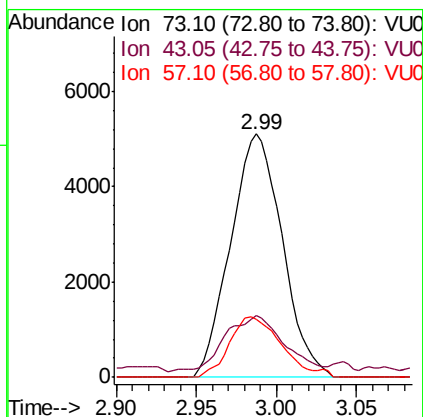
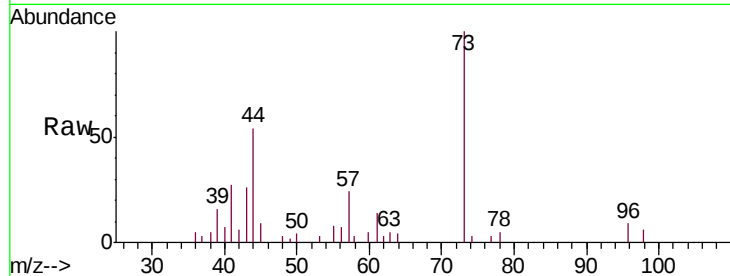
#17
Methyl tert-butyl Ether
Concen: 0.392 ug/L
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion	Ratio	Lower	Upper
73	100		
43	26.3	16.3	24.5#
57	24.4	18.6	28.0

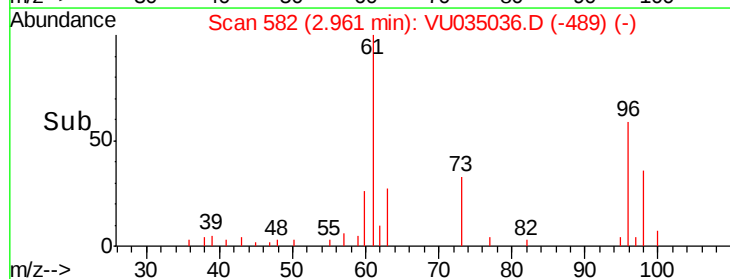
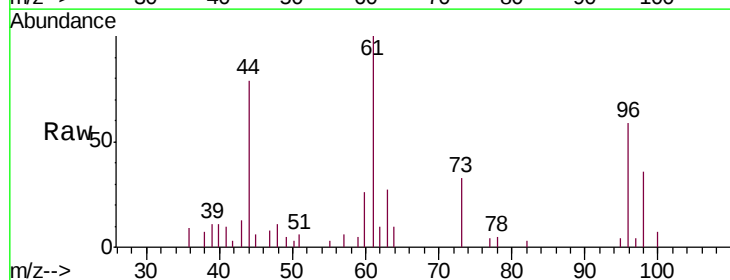
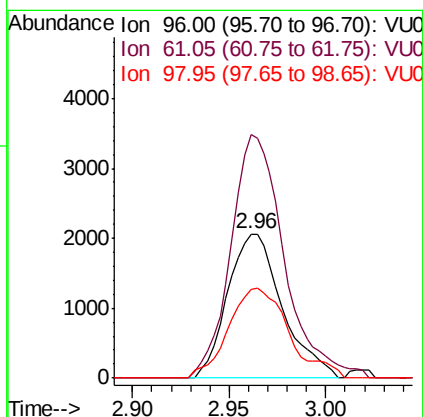
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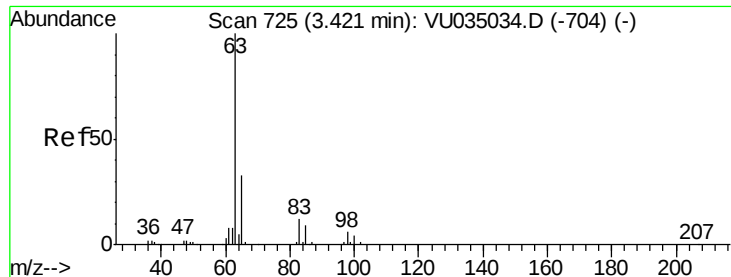
MMDadoda
10/11/2019 8:32:21 AM



#18
trans-1,2-Dichloroethene
Concen: 0.359 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	107.1	198.9
98	61.6	45.4	84.4





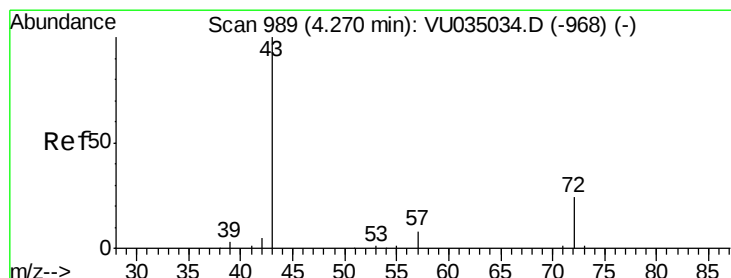
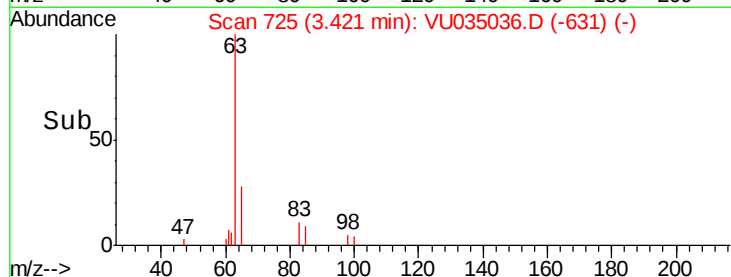
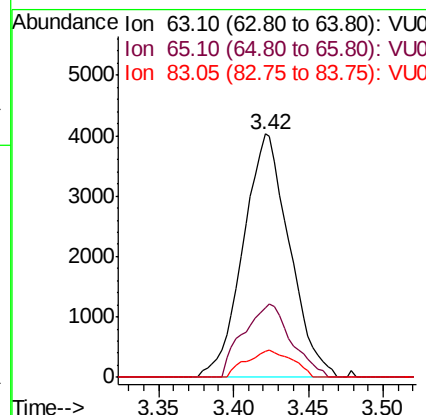
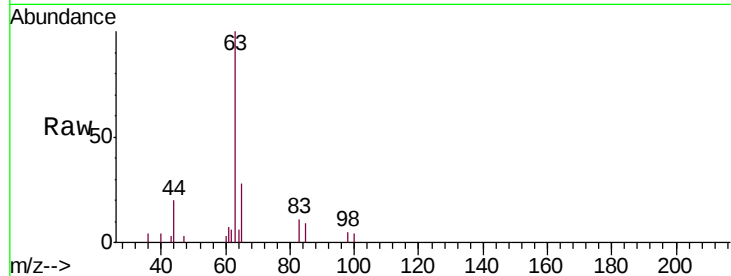
#19
 1,1-Dichloroethane
 Concen: 0.387 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	28.4	21.7	40.3
83	10.7	9.0	16.8

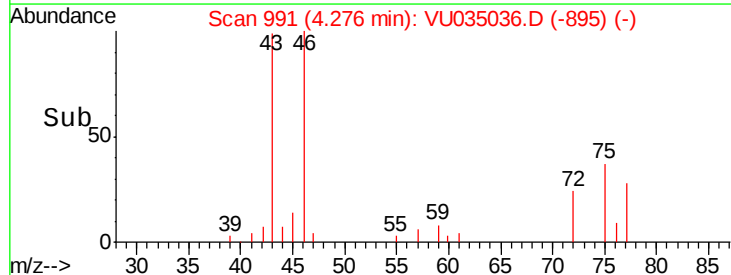
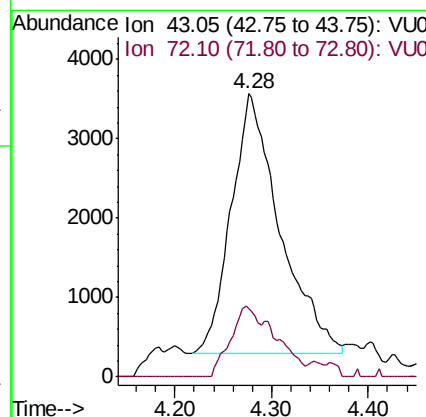
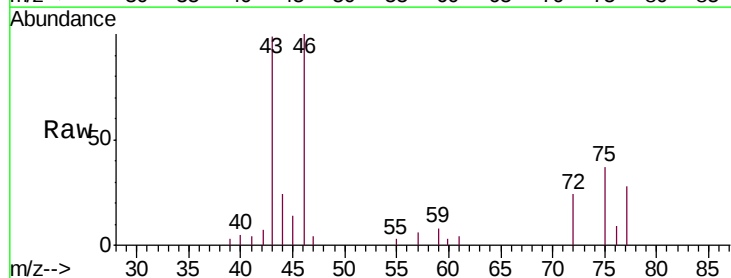
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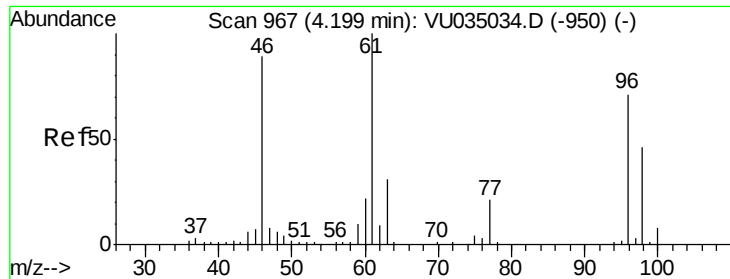
MMDadoda
 10/11/2019 8:32:21 AM



#21
 2-Butanone
 Concen: 3.425 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	15.7	13.5	40.4





#22

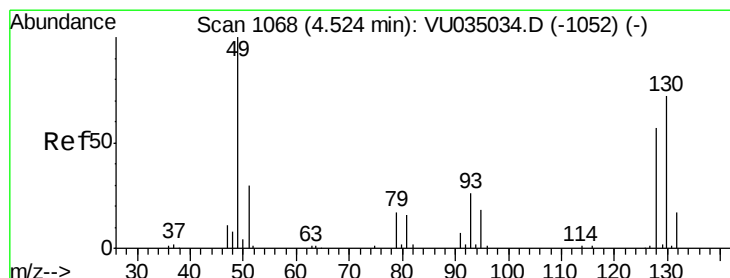
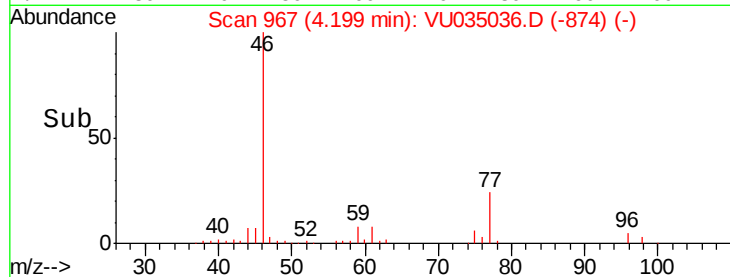
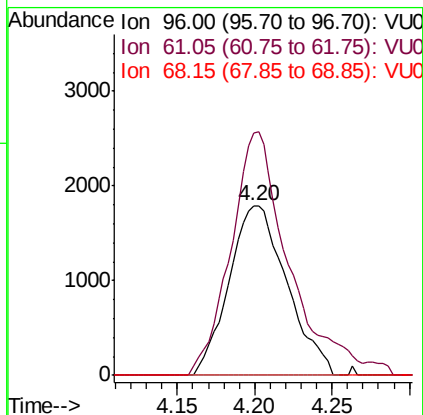
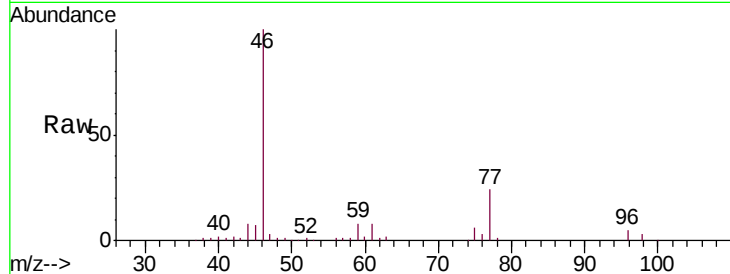
cis-1,2-Dichloroethene
 Concen: 0.370 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.0	89.2	165.6
68	0.0	0.0	0.0

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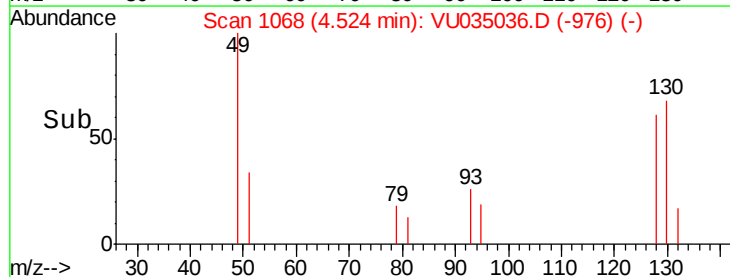
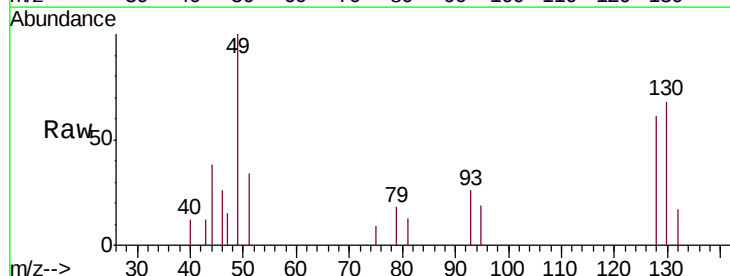
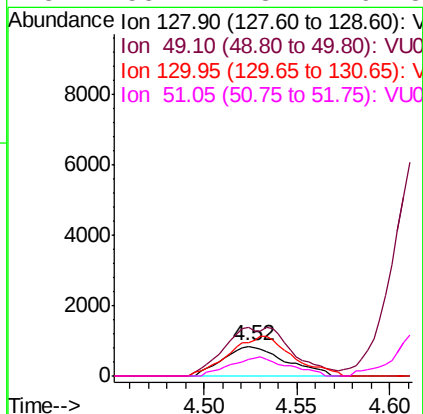
MMDadoda
 10/11/2019 8:32:21 AM

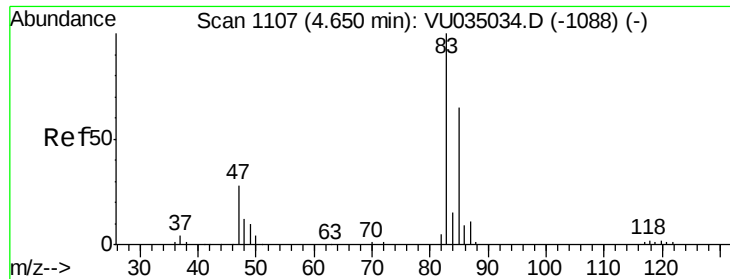


#23

Bromochloromethane
 Concen: 0.372 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.0	110.5	205.3
130	112.2	88.6	164.6
51	55.4	43.2	64.8





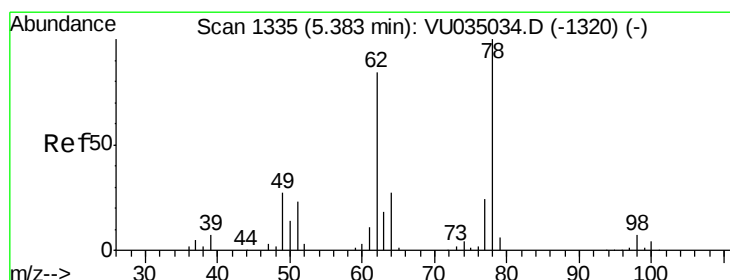
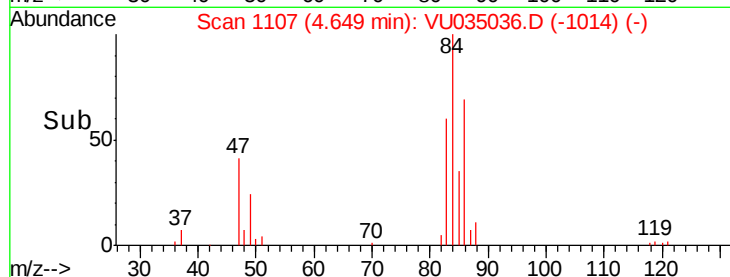
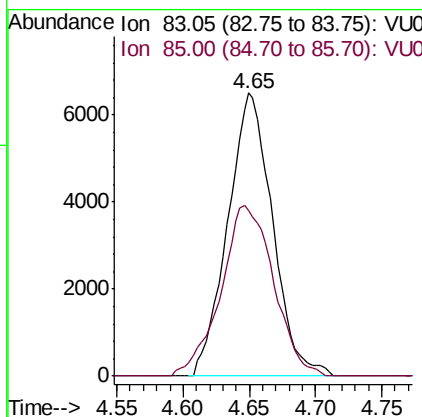
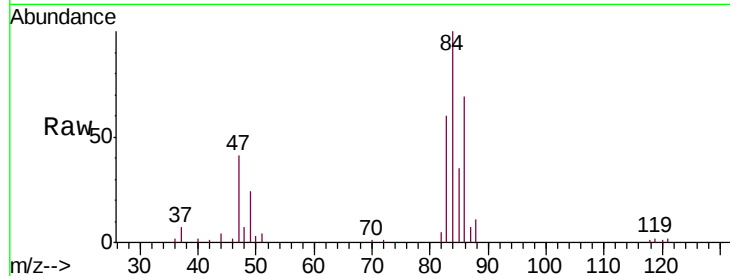
#25
Chloroform
Concen: 0.606 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 83 Resp: 15267
Ion Ratio Lower Upper
83 100
85 58.4 45.4 84.4

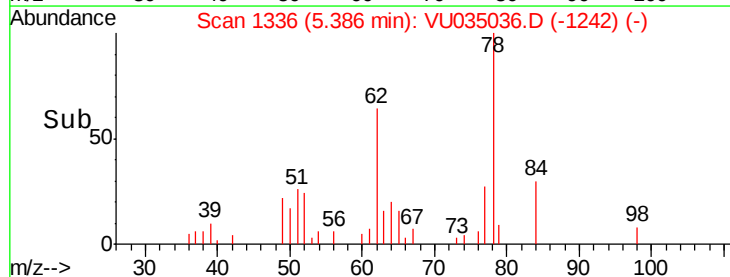
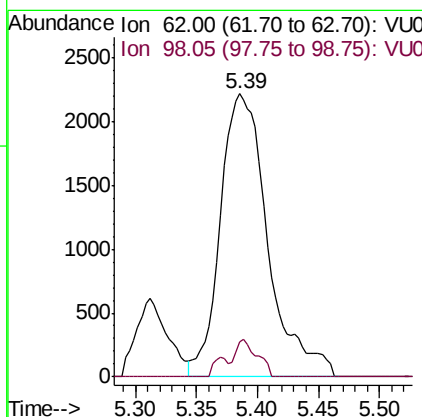
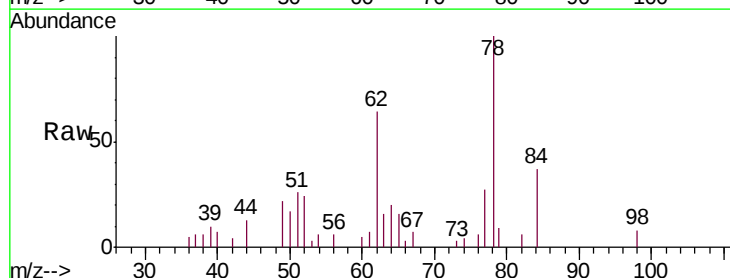
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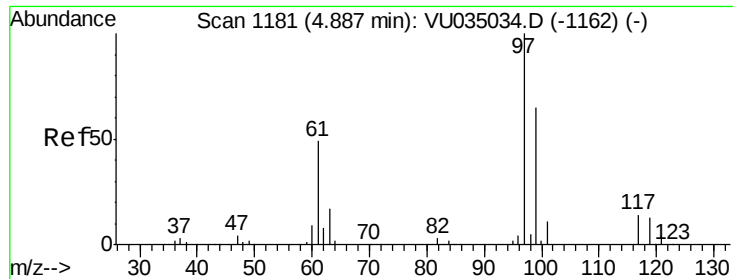
MMDadoda
10/11/2019 8:32:21 AM



#27
1,2-Dichloroethane
Concen: 0.409 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion: 62 Resp: 6016
Ion Ratio Lower Upper
62 100
98 12.3 6.6 10.0#





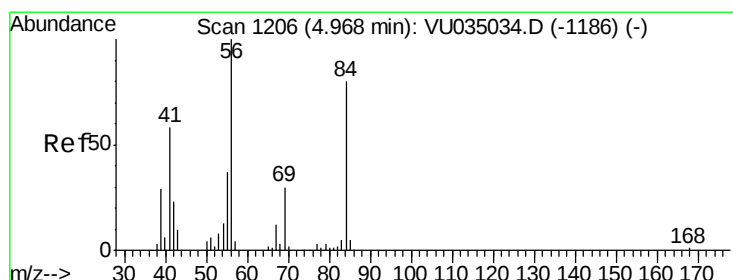
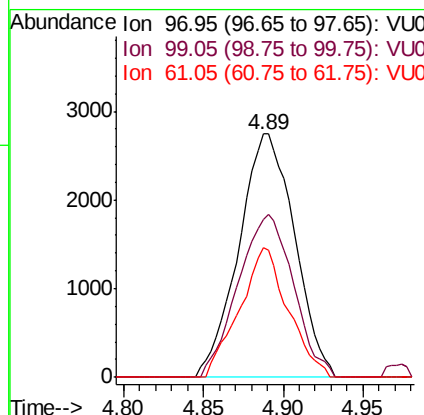
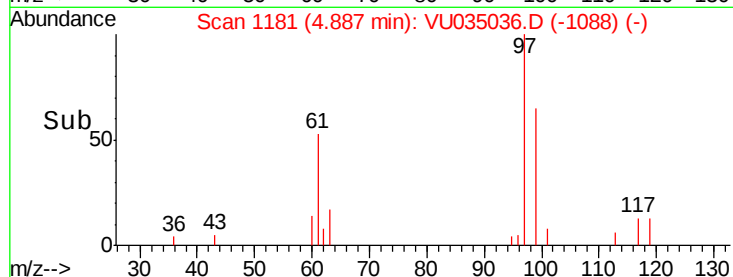
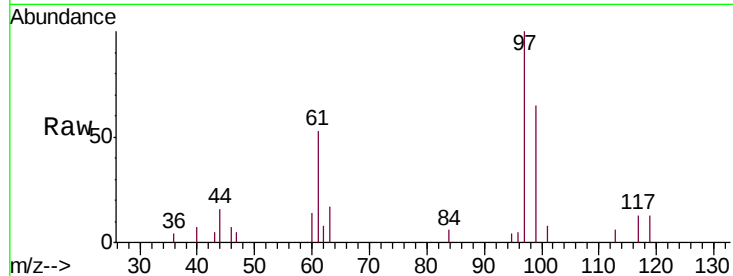
#29
 1,1,1-Trichloroethane
 Concen: 0.343 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.6	77.4
61	46.4	36.2	54.4

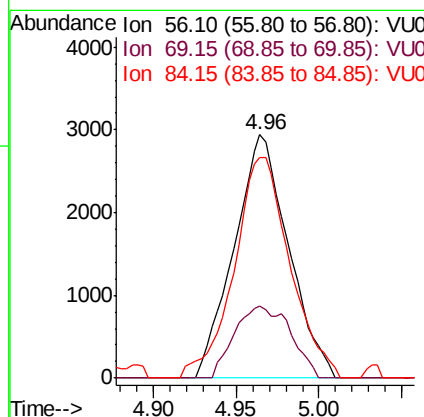
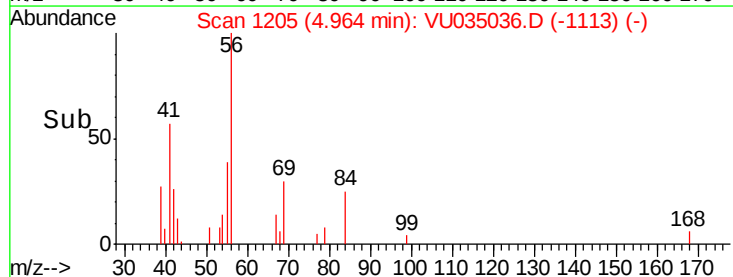
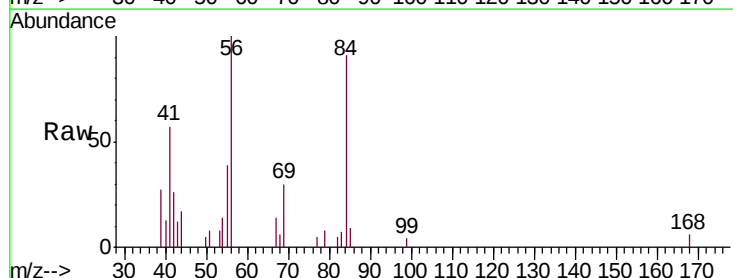
Manual Integrations
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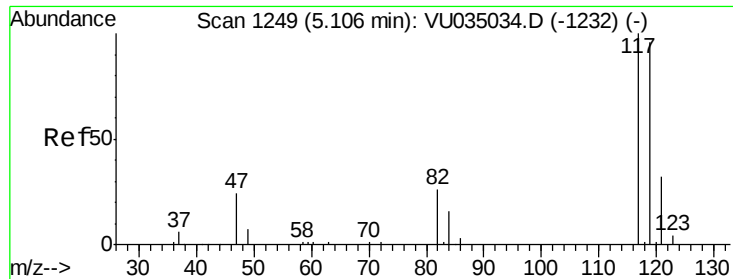
MMDadoda
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#30
 Cyclohexane
 Concen: 0.318 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.9	35.9
84	93.1	69.5	104.3





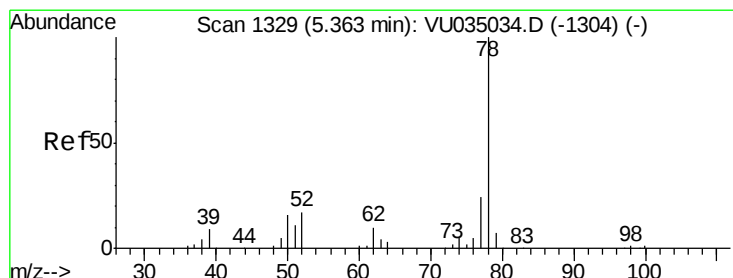
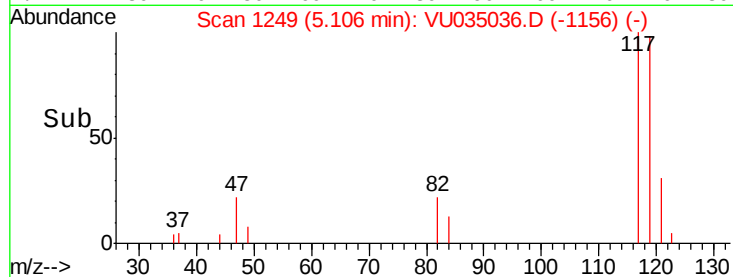
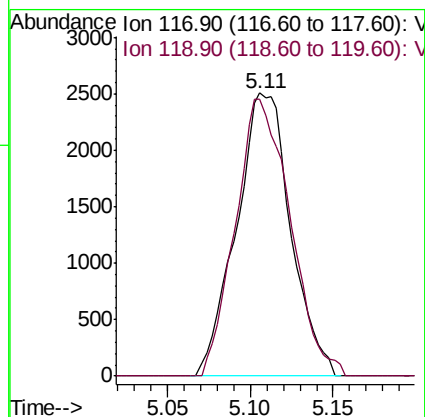
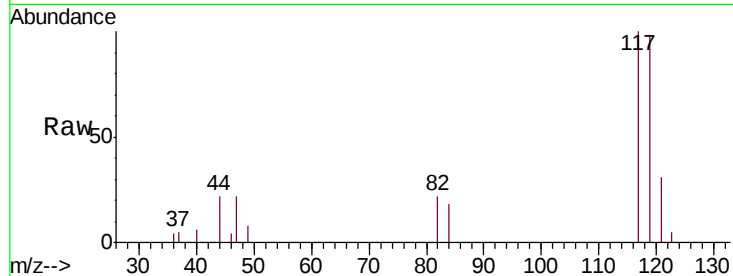
#31
Carbon tetrachloride
Concen: 0.346 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 117 Resp: 5736
Ion Ratio Lower Upper
117 100
119 98.8 77.5 116.3

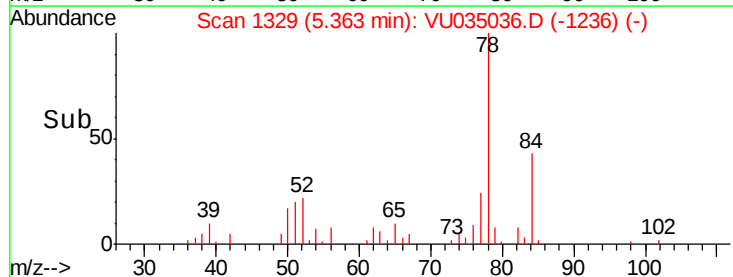
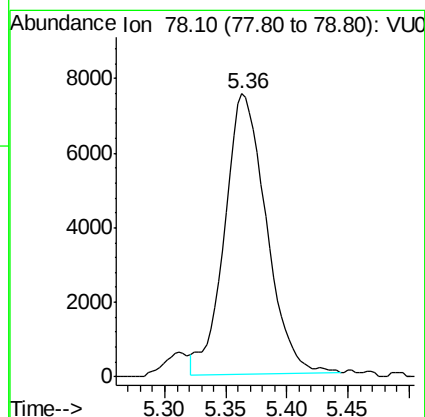
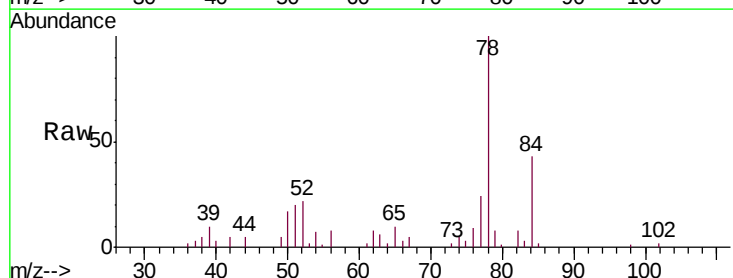
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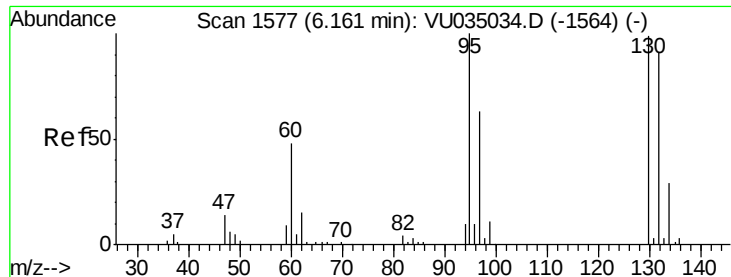
MMDadoda
10/11/2019 8:32:21 AM



#33
Benzene
Concen: 0.350 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion: 78 Resp: 17937





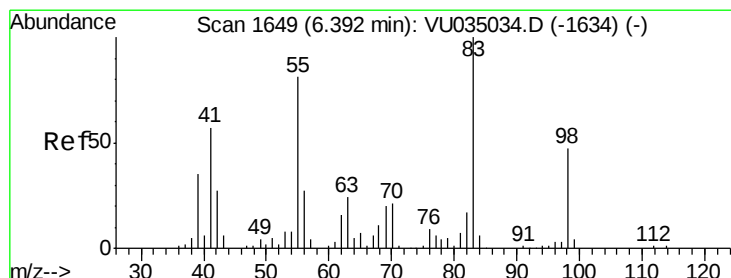
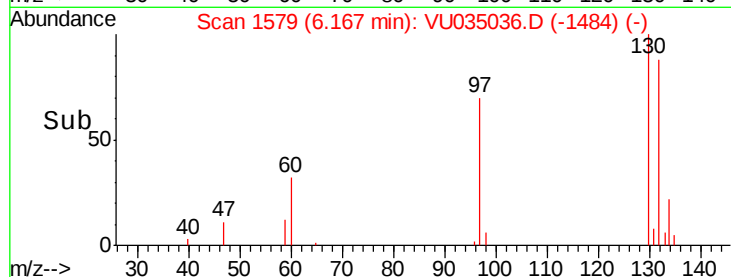
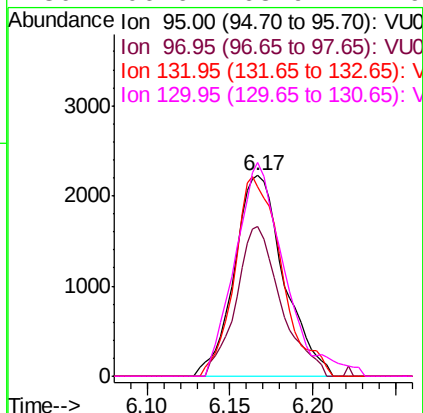
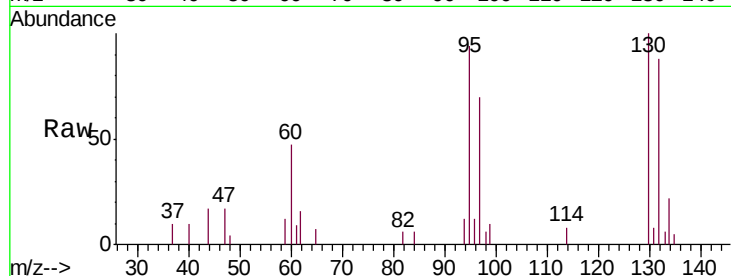
#34
 Trichloroethene
 Concen: 0.351 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion:	95	Resp:	4640
Ion	Ratio	Lower	Upper
95	100		
97	74.5	44.5	82.7
132	94.3	66.6	123.8
130	106.6	68.9	127.9

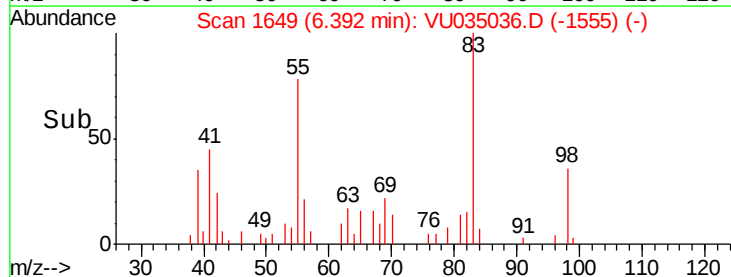
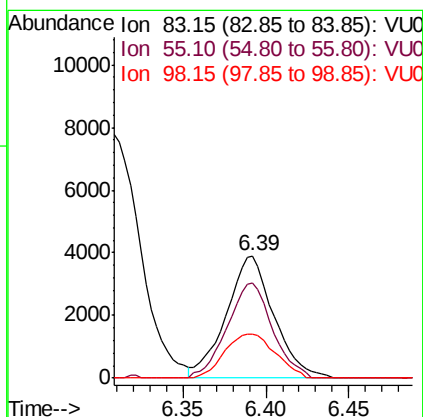
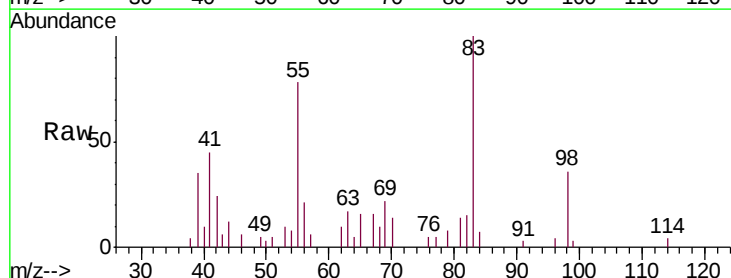
Manual Integrations
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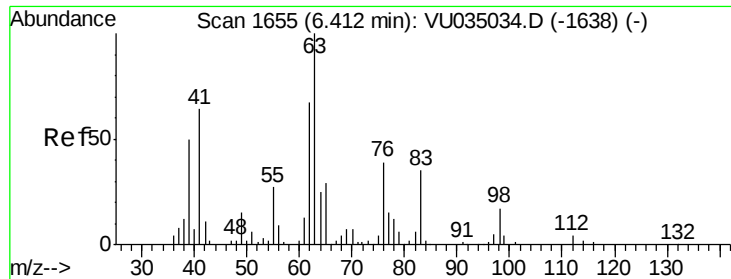
MMDadoda
 10/11/2019 8:32:21 AM



#35
 Methylcyclohexane
 Concen: 0.363 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion:	83	Resp:	7784
Ion	Ratio	Lower	Upper
83	100		
55	73.8	62.6	94.0
98	38.3	36.2	54.2





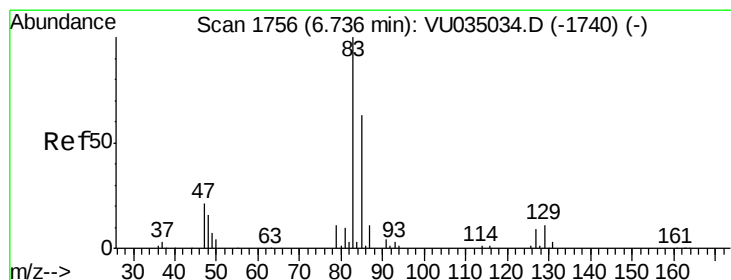
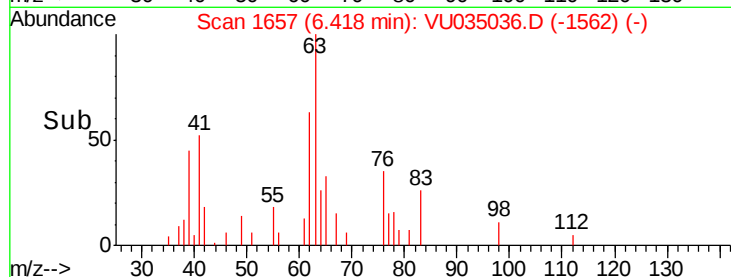
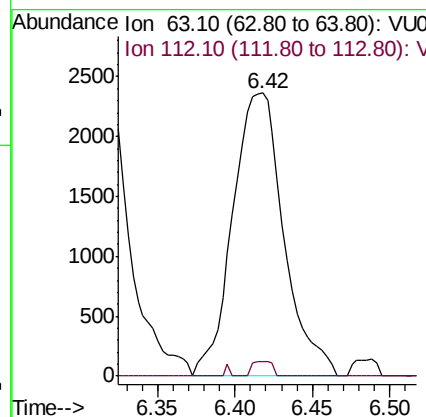
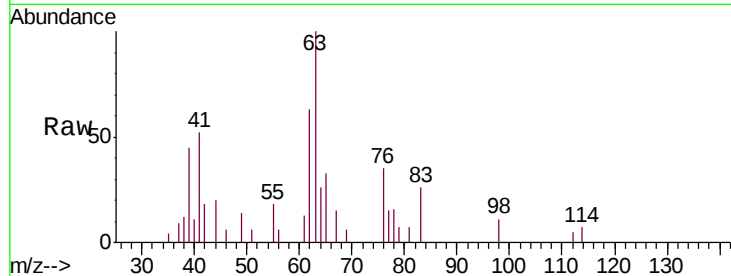
#37
 1,2-Dichloropropane
 Concen: 0.393 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion: 63 Resp: 5436
 Ion Ratio Lower Upper
 63 100
 112 2.1 3.1 4.7#

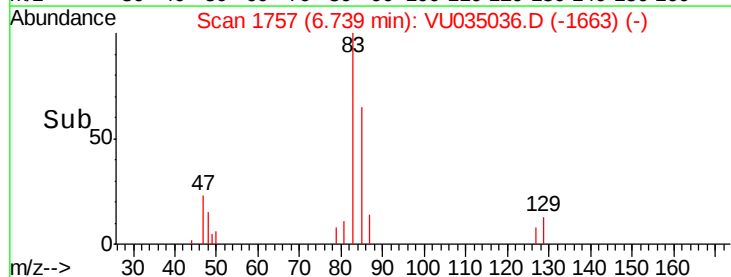
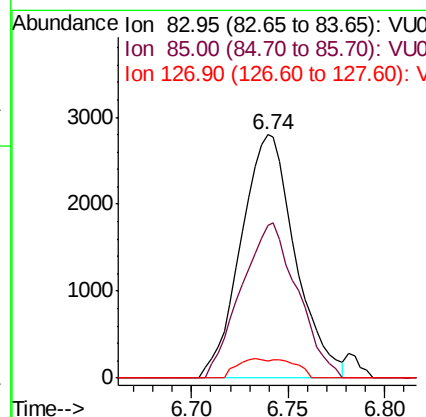
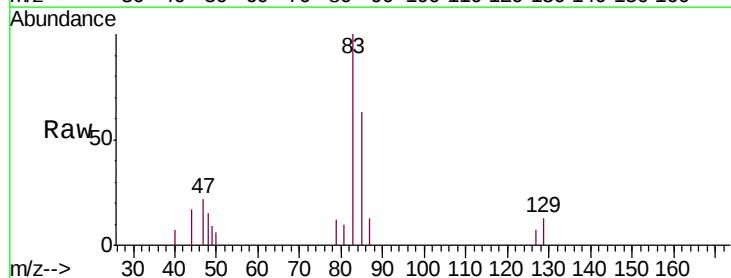
Manual Integrations
 APPROVED

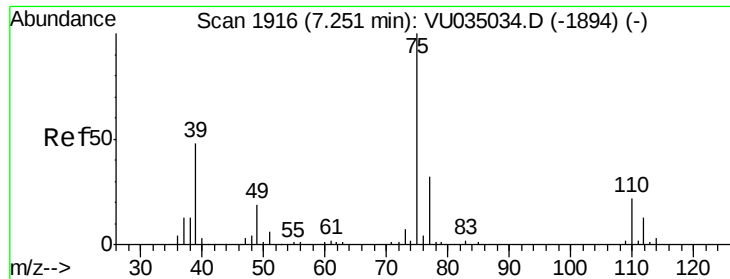
MMDadoda
 10/11/2019 8:32:21 AM



#38
 Bromodichloromethane
 Concen: 0.337 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion: 83 Resp: 5463
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.0 81.8
 127 7.2 7.0 10.4





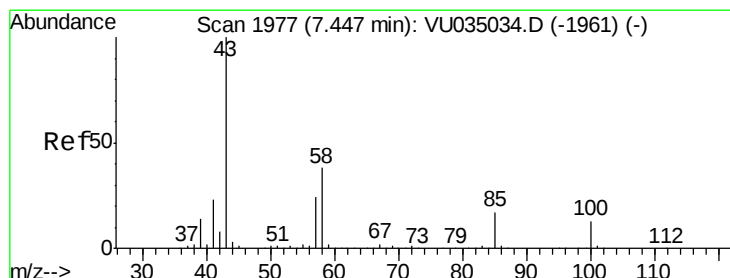
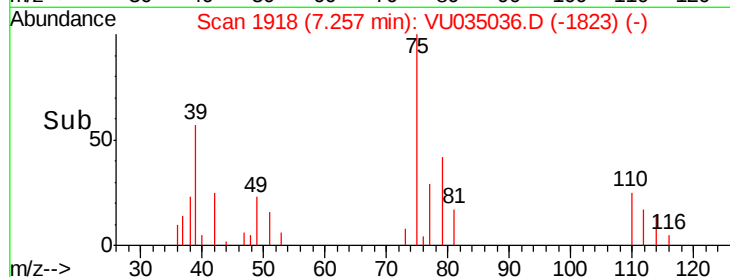
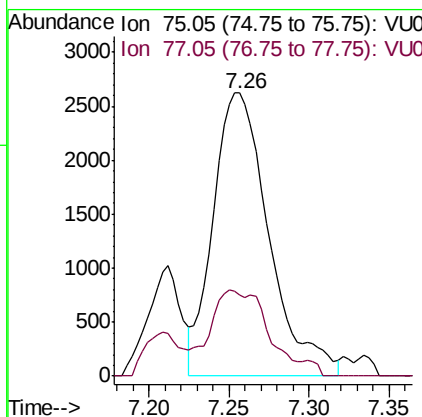
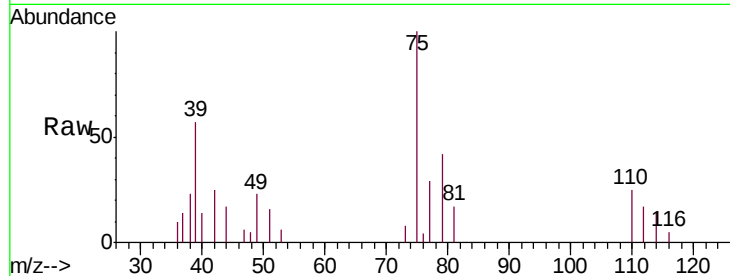
#39
 cis-1,3-Dichloropropene
 Concen: 0.336 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion: 75 Resp: 6299
 Ion Ratio Lower Upper
 75 100
 77 28.6 22.1 41.1

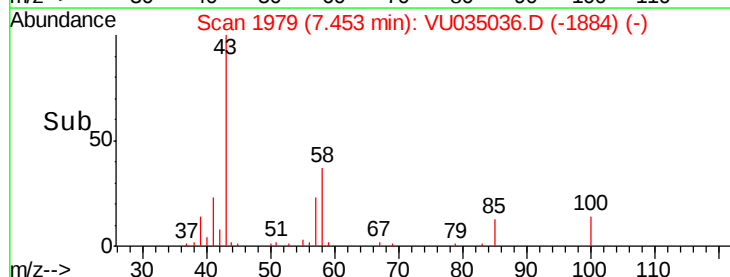
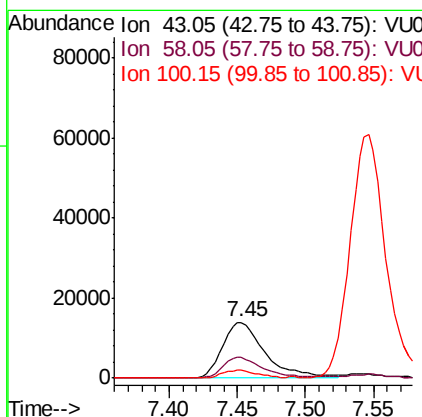
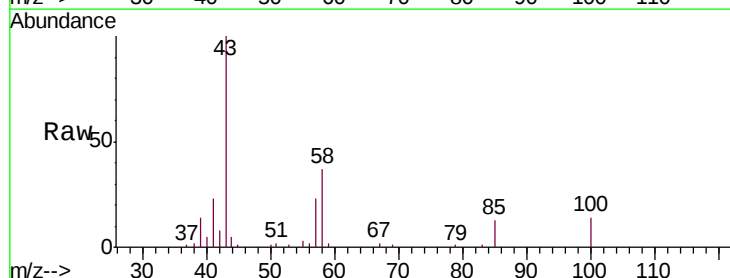
Manual Integrations
 APPROVED

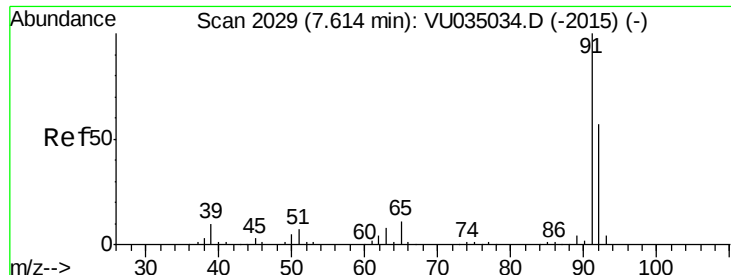
MMDadoda
 10/11/2019 8:32:21 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.473 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion: 43 Resp: 30243
 Ion Ratio Lower Upper
 43 100
 58 36.0 32.4 48.6
 100 12.0 11.9 17.9





#42

Toluene

Concen: 0.372 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 91 Resp: 19934

Ion Ratio Lower Upper

91 100

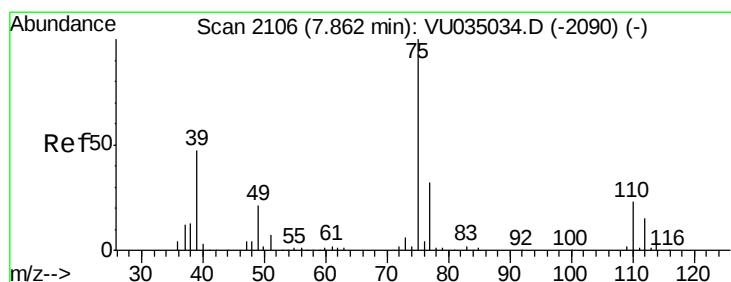
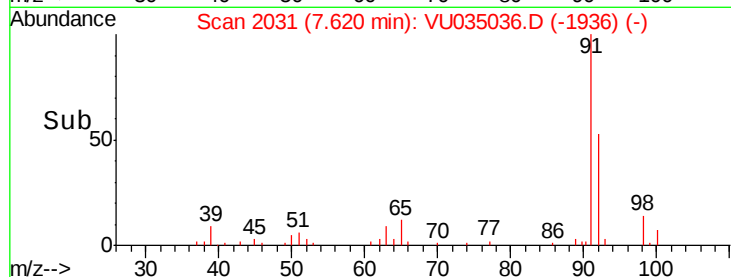
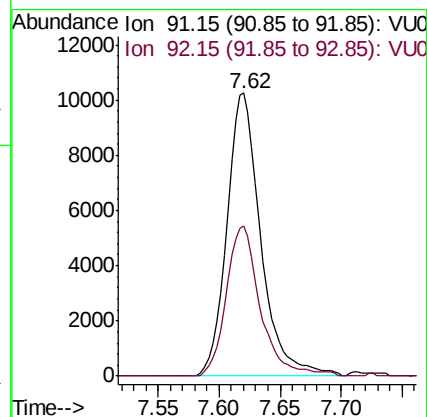
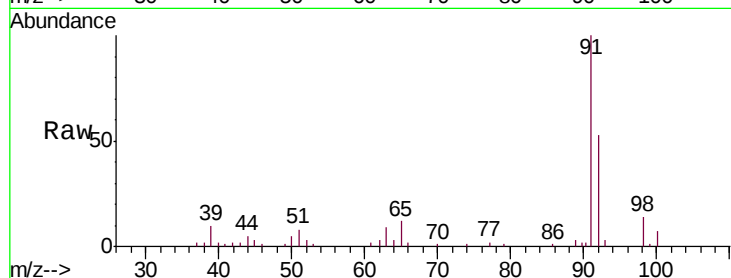
92 52.9 40.0 74.2

Manual Integrations

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MMDadoda

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#44

trans-1,3-Dichloropropene

Concen: 0.319 ug/L m

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU035036.D

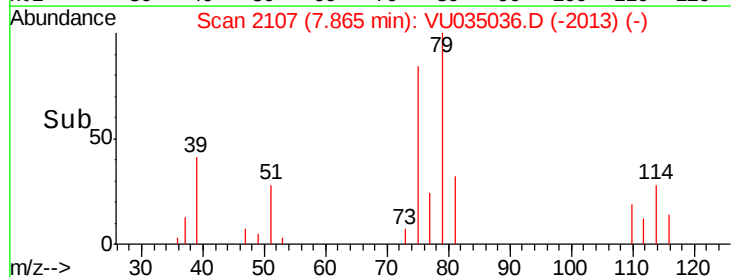
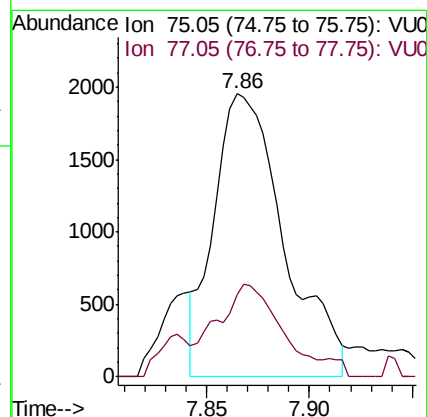
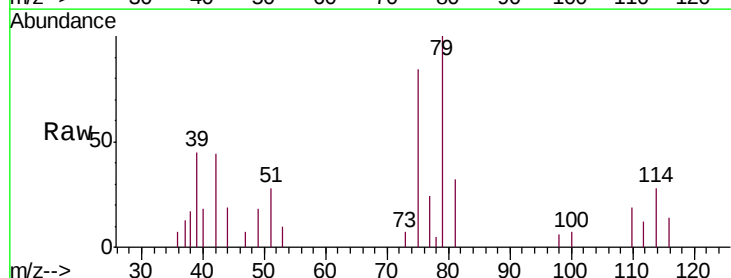
Acq: 10 Oct 2019 09:54

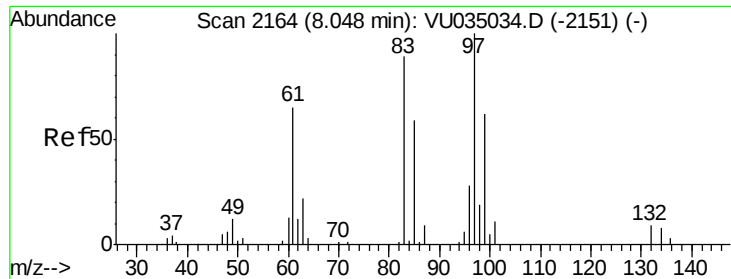
Tgt Ion: 75 Resp: 4626

Ion Ratio Lower Upper

75 100

77 29.0 21.6 40.0





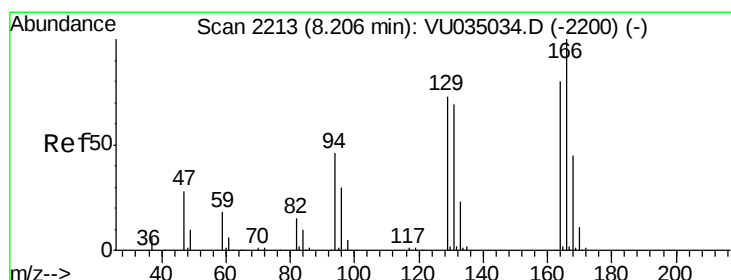
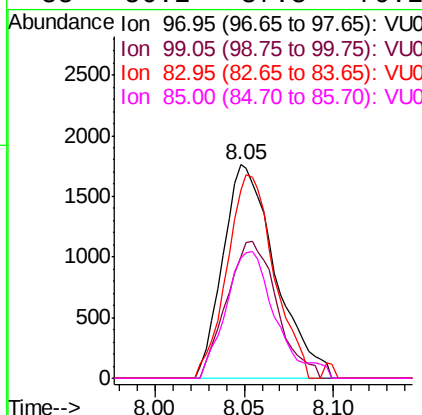
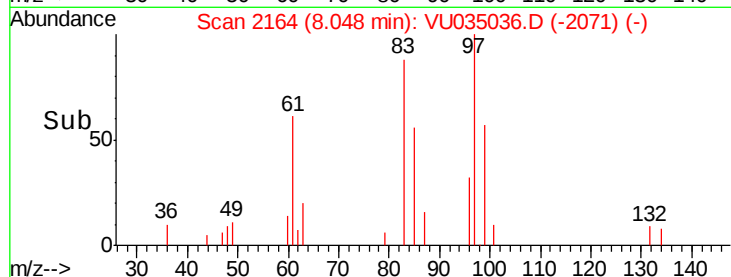
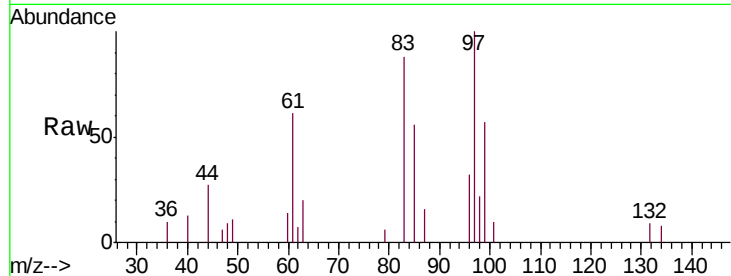
#45
 1,1,2-Trichloroethane
 Concen: 0.392 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.8	42.3	78.5
83	88.3	58.0	107.6
85	56.2	37.8	70.2

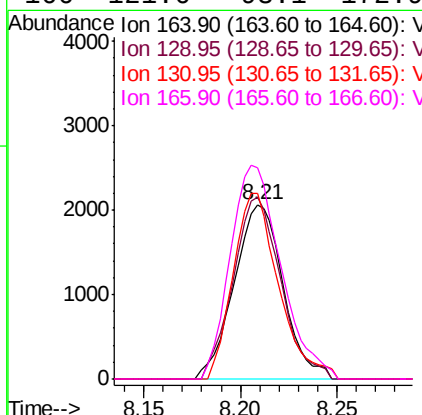
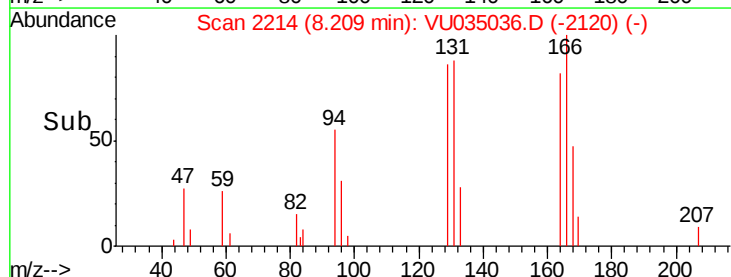
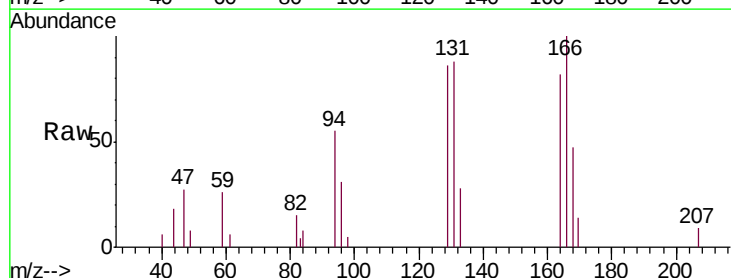
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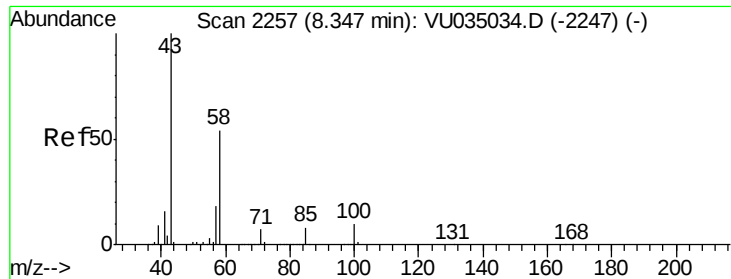
MMDadoda
 10/11/2019 8:32:21 AM



#47
 Tetrachloroethene
 Concen: 0.340 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
164	100		
129	104.1	68.5	127.1
131	106.4	67.3	124.9
166	121.6	93.1	172.9





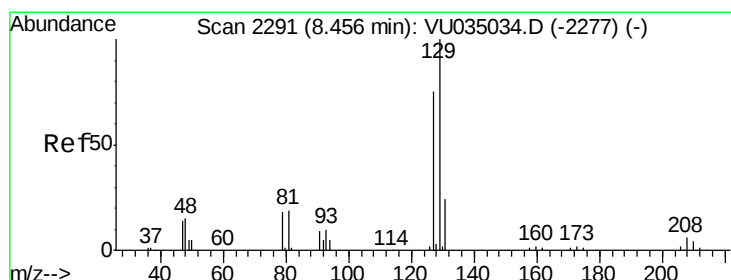
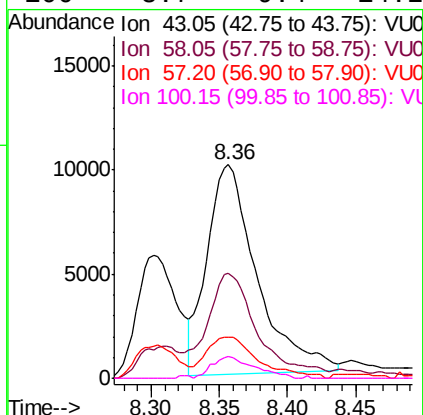
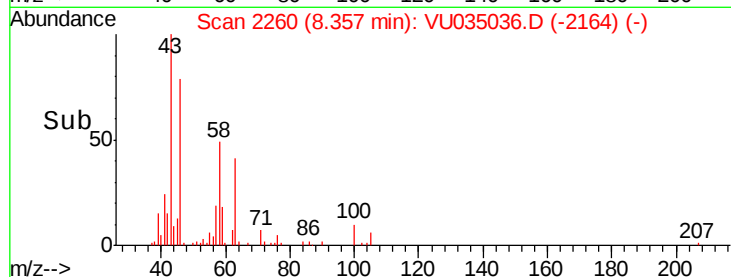
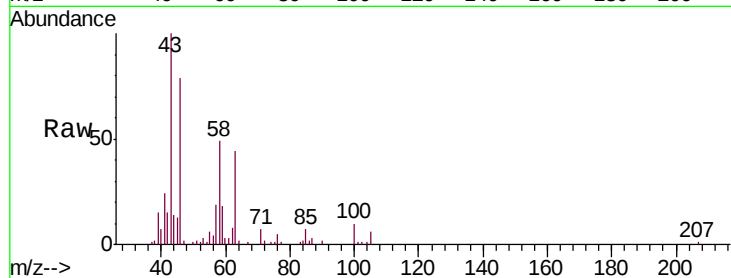
#48
2-Hexanone
Concen: 4.303 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.01 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.3	44.1	66.1
57	20.3	15.8	23.8
100	8.7	9.4	14.2

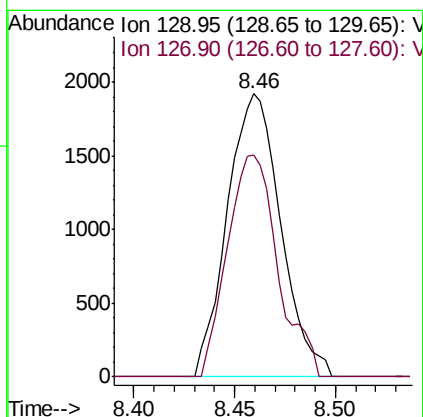
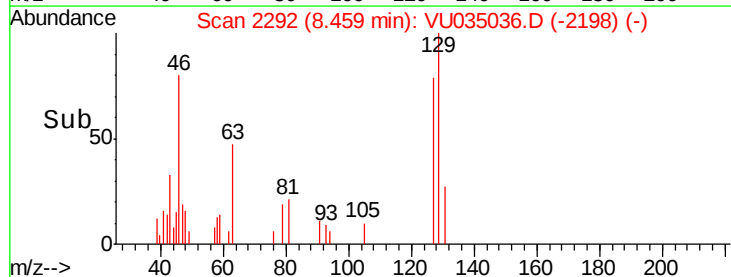
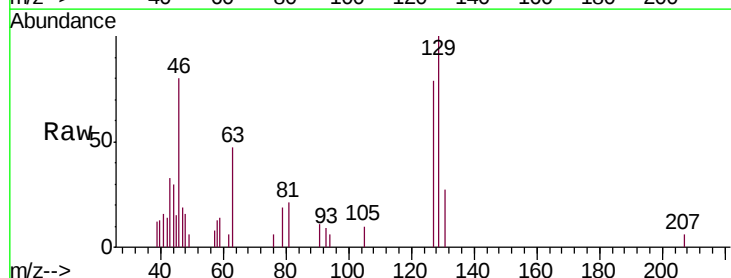
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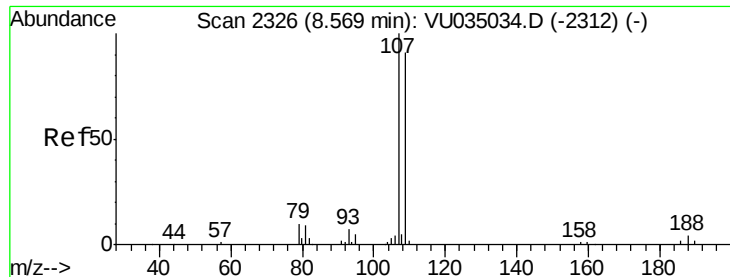
MMDadoda
10/11/2019 8:32:21 AM



#49
Dibromochloromethane
Concen: 0.336 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	51.9	96.5





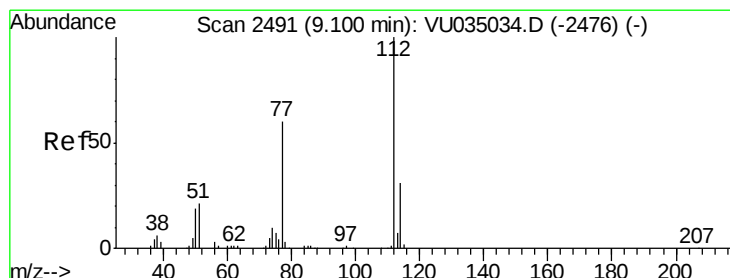
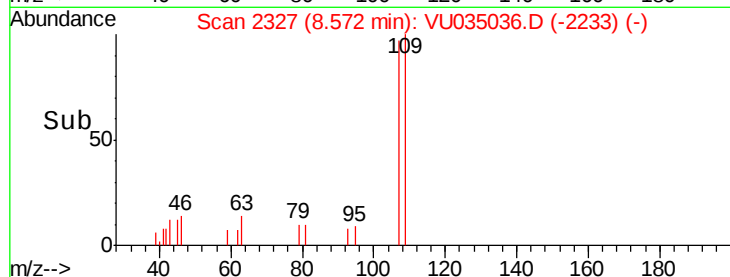
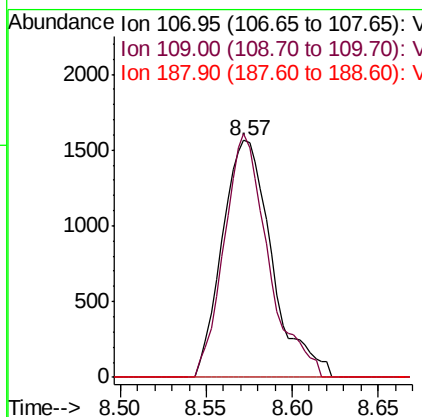
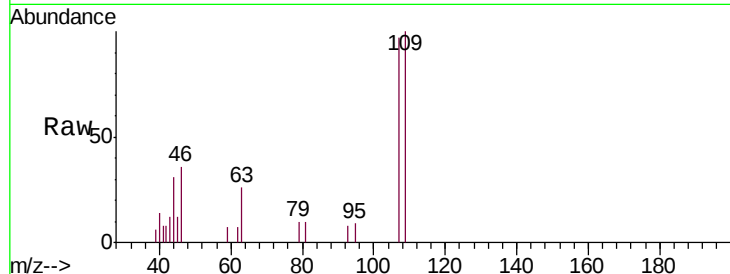
#50
1,2-Dibromoethane
Concen: 0.359 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	3155		
109	102.7	64.8	120.4	
188	0.0	3.0	4.6#	

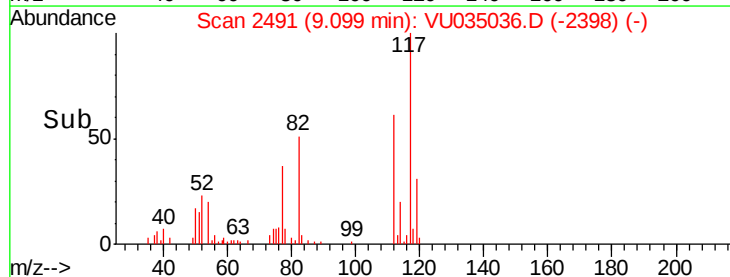
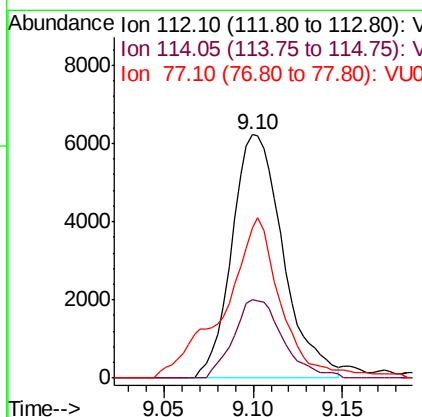
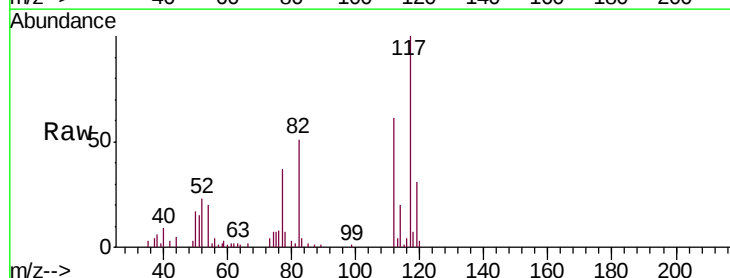
Manual Integrations
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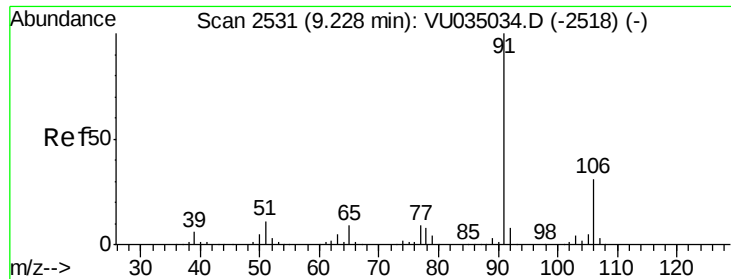
MMDadoda
10/11/2019 8:32:21 AM



#51
Chlorobenzene
Concen: 0.359 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	12455		
114	32.4	22.1	41.1	
77	61.5	46.9	70.3	





#52

Ethylbenzene

Concen: 0.335 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tgt Ion: 91 Resp: 19833

Ion Ratio Lower Upper

91 100

106 30.1

21.6

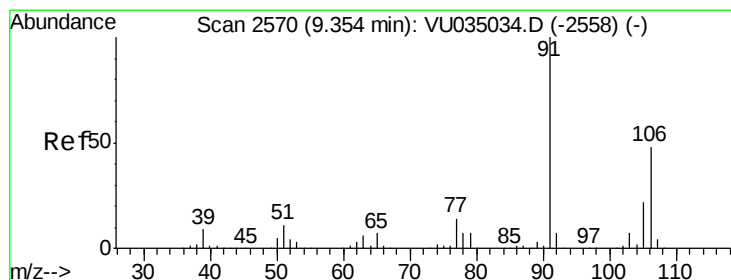
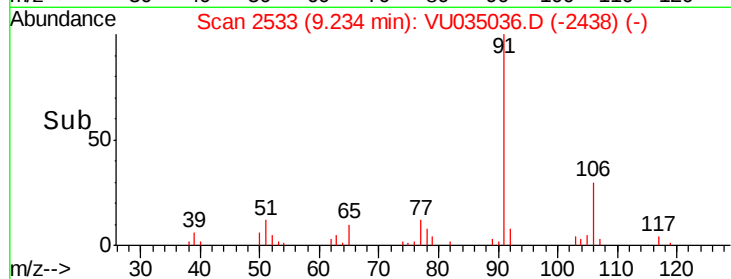
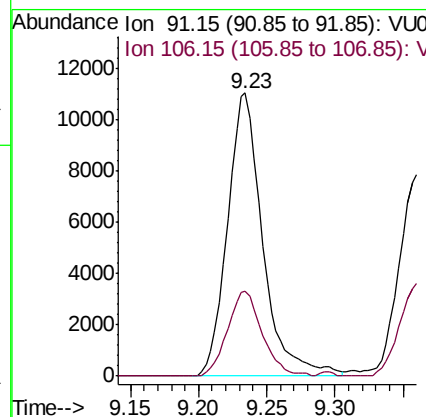
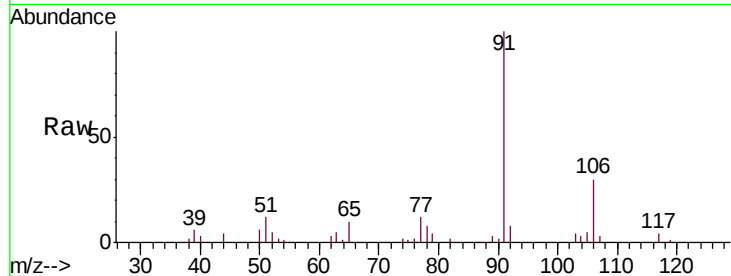
40.2

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#53

m,p-Xylene

Concen: 0.305 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Tgt Ion: 106 Resp: 6653

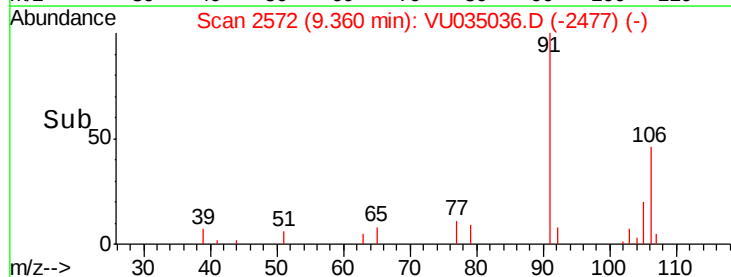
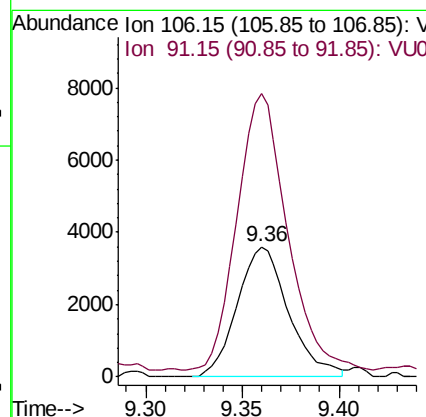
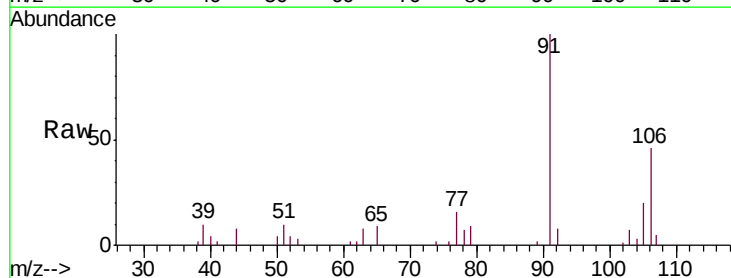
Ion Ratio Lower Upper

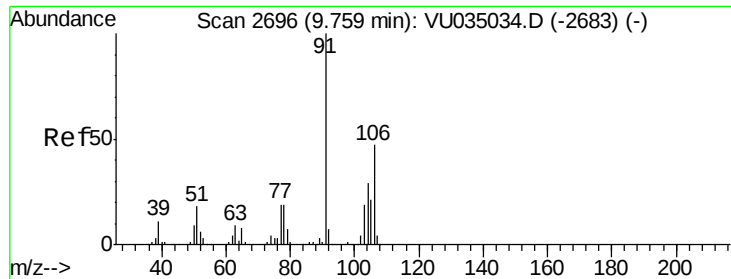
106 100

91 218.0

147.6

274.0





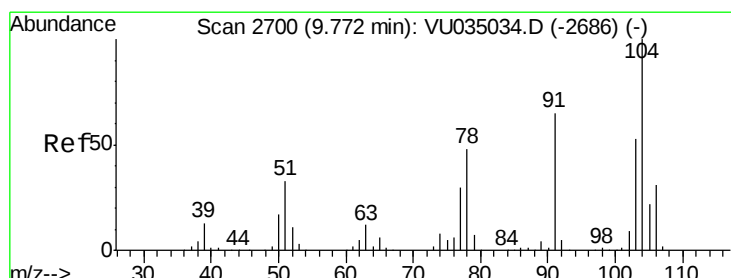
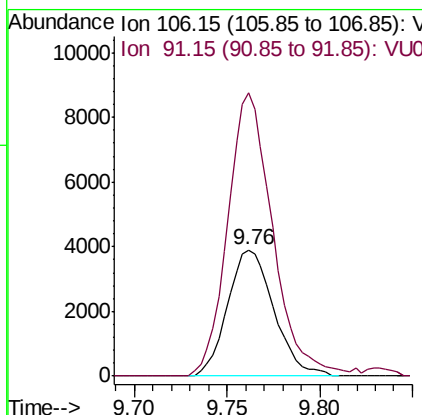
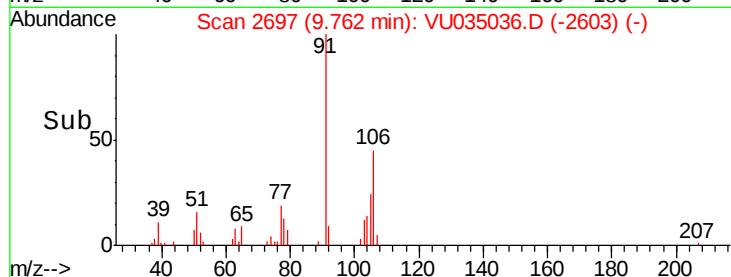
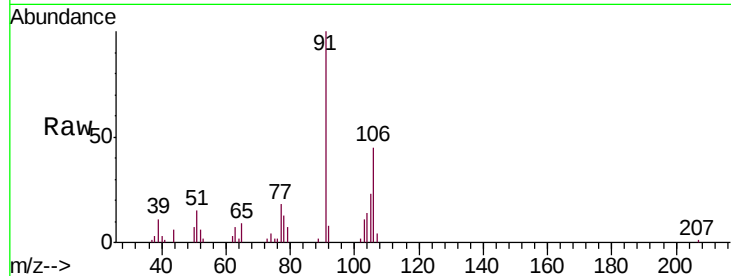
#54
o-Xylene
Concen: 0.316 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tgt Ion:106 Resp: 6759
Ion Ratio Lower Upper
106 100
91 224.0 148.5 275.7

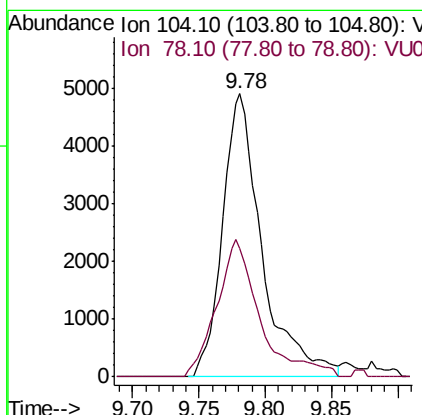
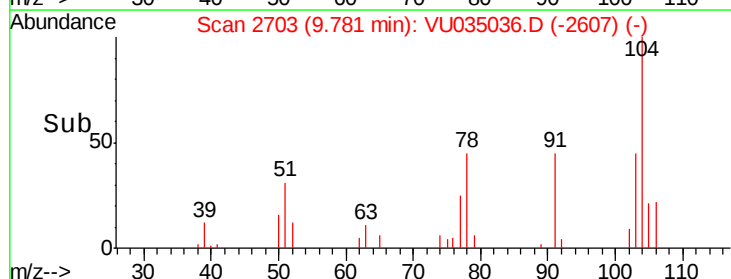
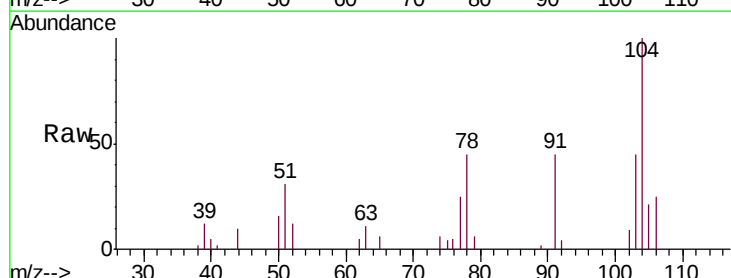
Manual Integrations
APPROVED

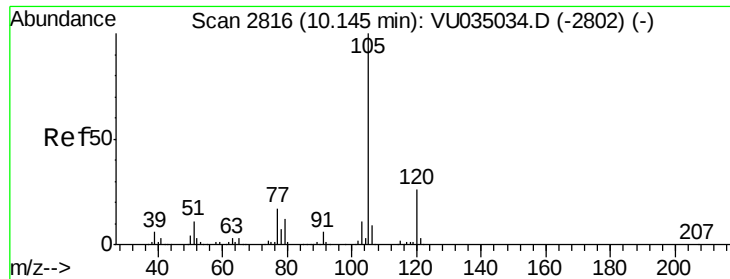
MMDadoda
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#55
Styrene
Concen: 0.294 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion:104 Resp: 10156
Ion Ratio Lower Upper
104 100
78 45.3 32.8 60.8





#56

Isopropylbenzene

Concen: 0.319 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

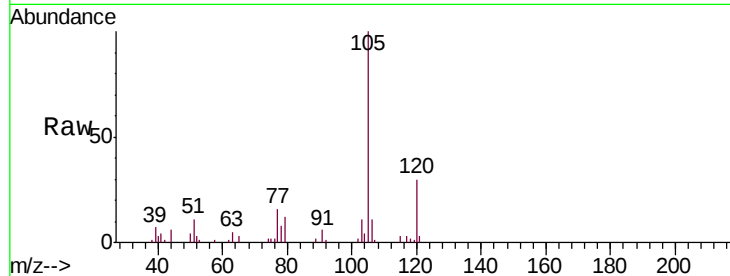
ClientSampleID :

MDL01

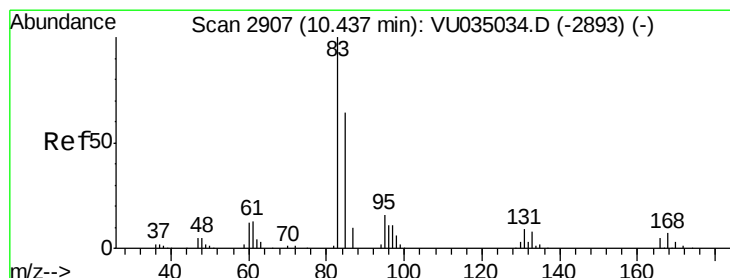
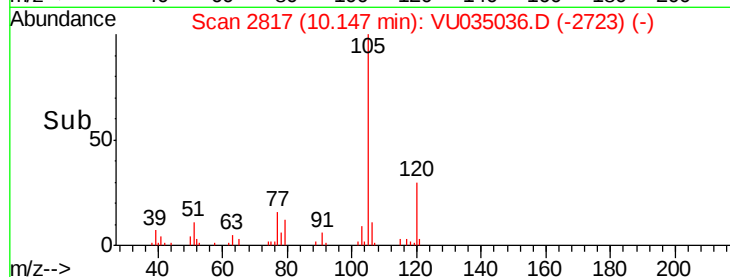
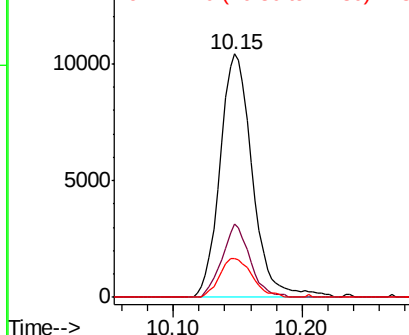
Tgt Ion:	105	Resp:	18160
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.3	31.9
77	16.0	13.0	19.4

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Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.391 ug/L

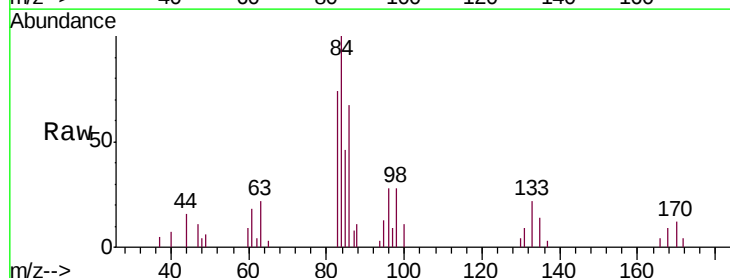
RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

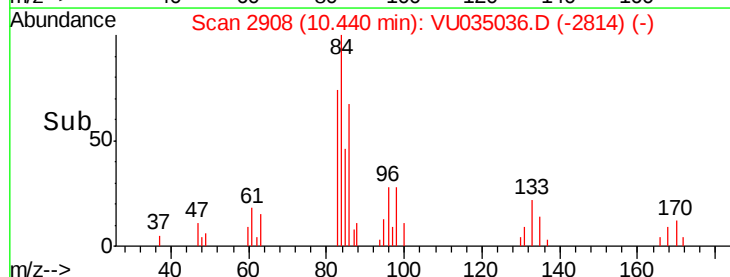
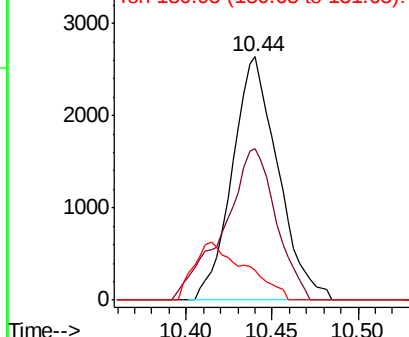
Lab File: VU035036.D

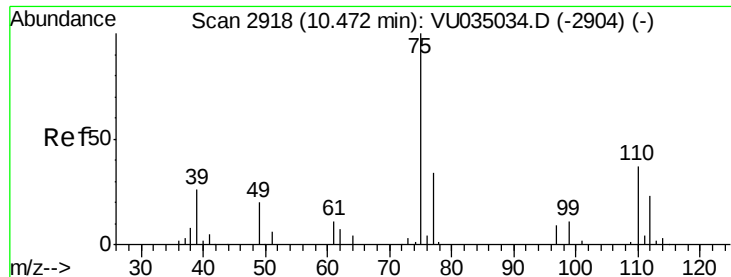
Acq: 10 Oct 2019 09:54

Tgt Ion:	83	Resp:	4884
Ion Ratio	Lower	Upper	
83	100		
85	62.3	44.6	82.8
131	12.4	7.4	11.2#



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 130.95 (130.65 to 131.65): V





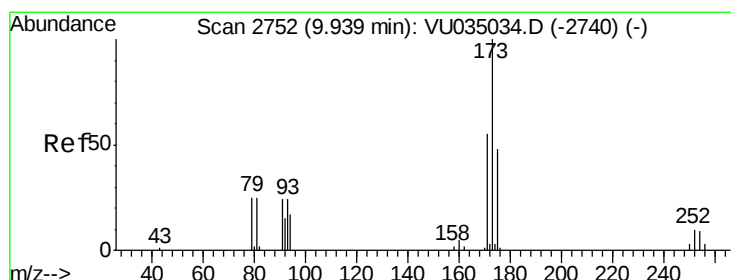
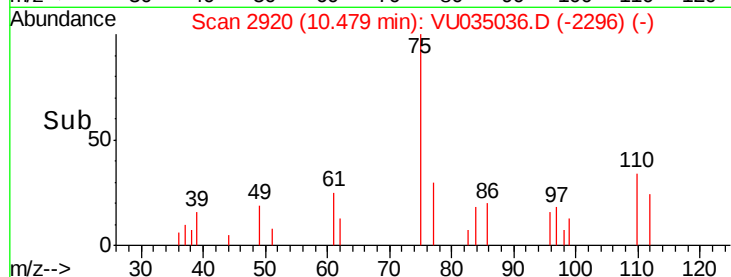
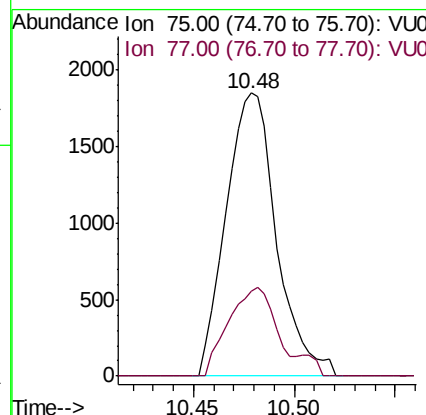
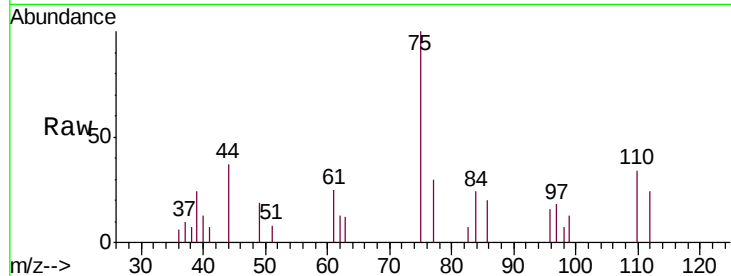
#59
1,2,3-Trichloropropane
Concen: 0.359 ug/L
RT: 10.48 min Scan# 2920
Delta R.T. 0.01 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion: 75 Resp: 3219
Ion Ratio Lower Upper
75 100
77 29.7 26.5 39.7

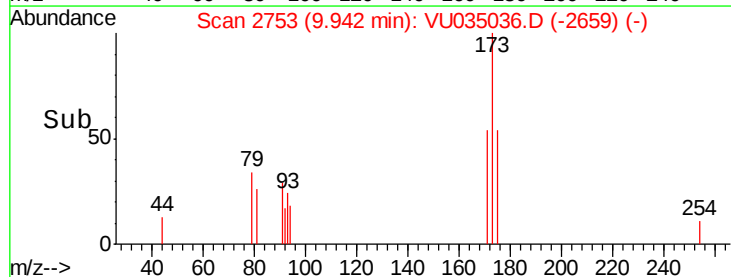
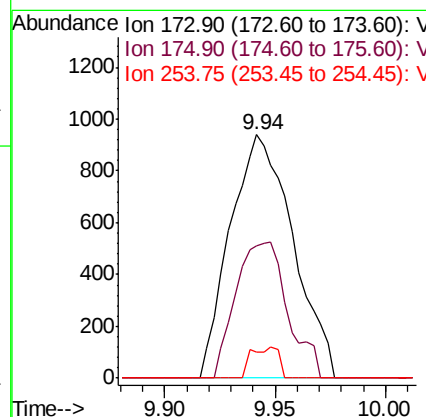
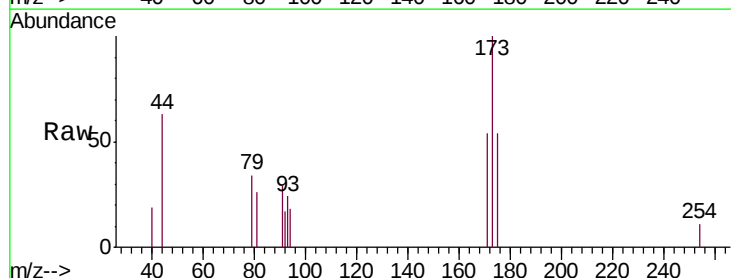
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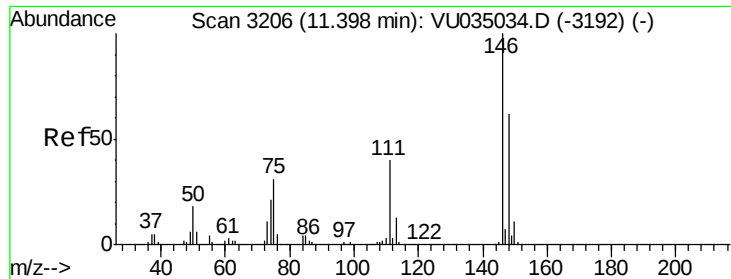
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#61
Bromoform
Concen: 0.372 ug/L
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion: 173 Resp: 1855
Ion Ratio Lower Upper
173 100
175 46.4 37.2 55.8
254 5.7 6.6 9.8#





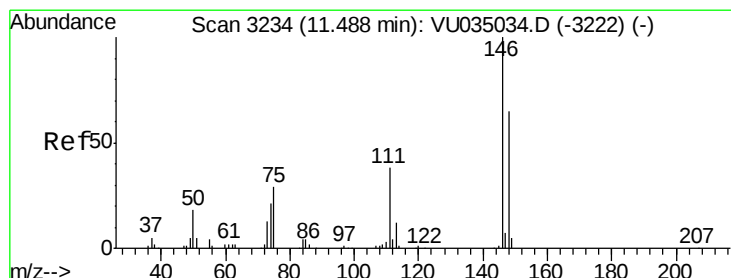
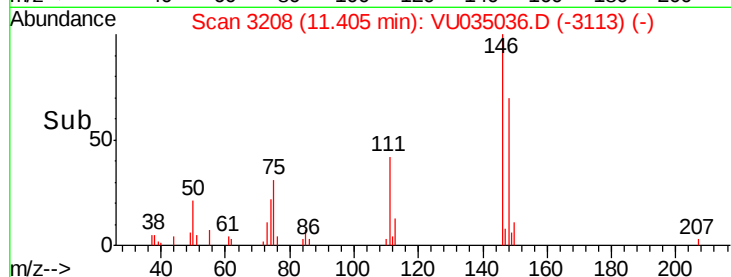
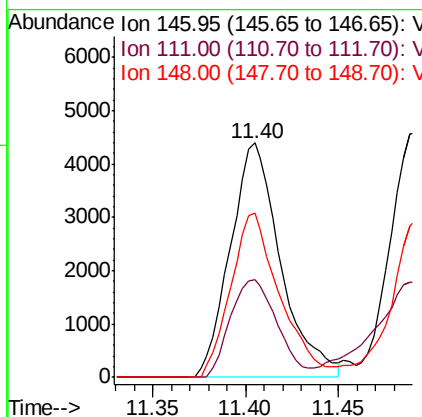
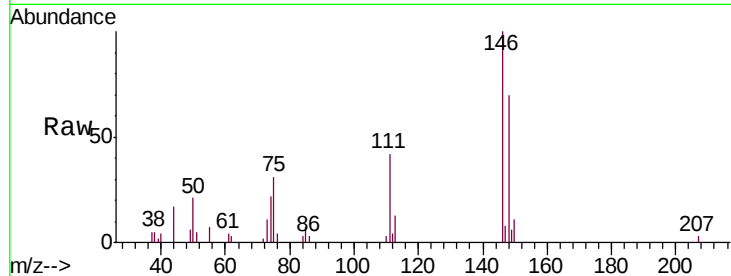
#62
 1,3-Dichlorobenzene
 Concen: 0.371 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.6	53.2
148	70.2	45.0	83.6

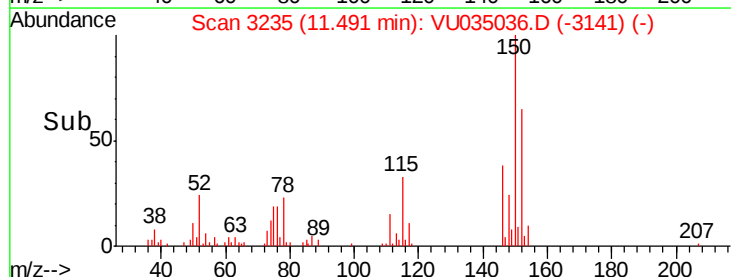
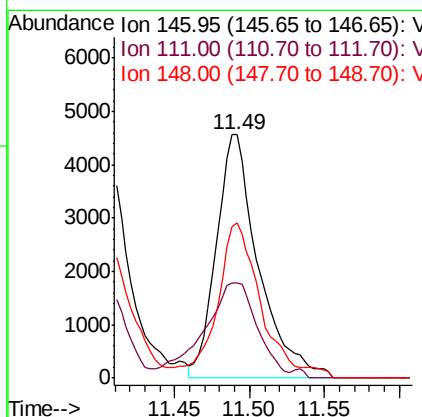
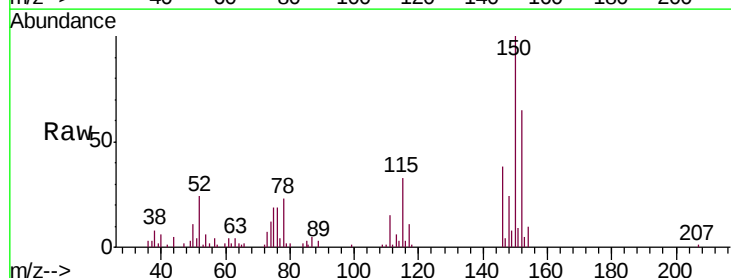
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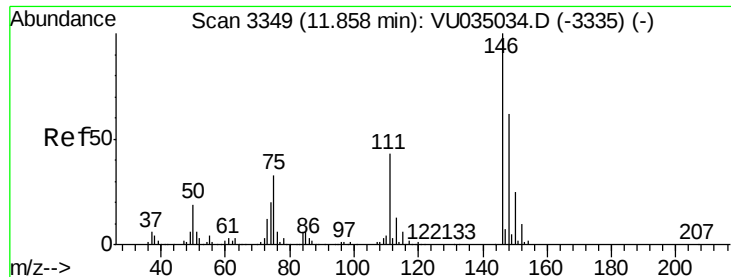
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#63
 1,4-Dichlorobenzene
 Concen: 0.396 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.9	51.7
148	63.9	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 0.410 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

Instrument :

MSVOA_U

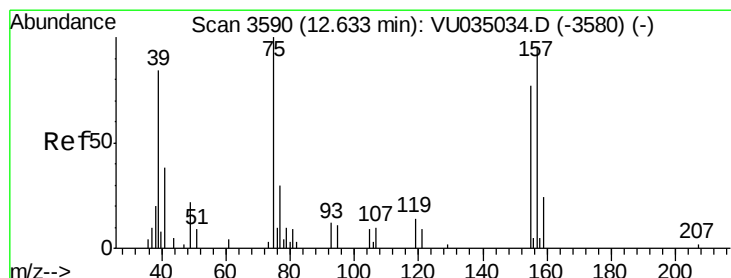
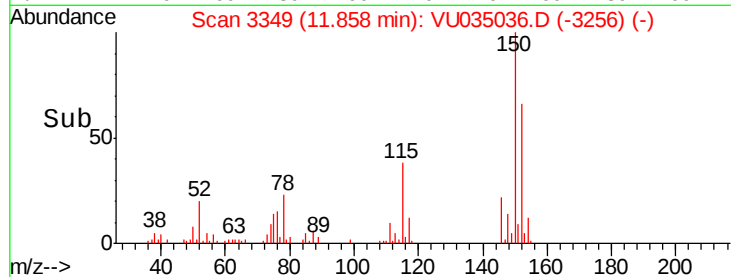
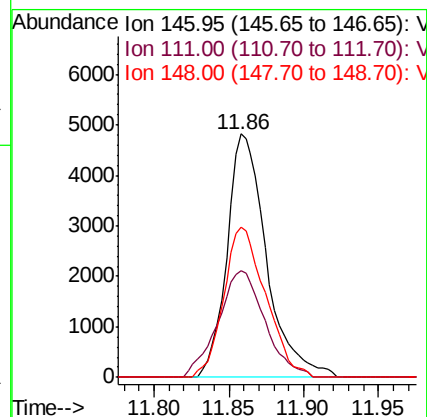
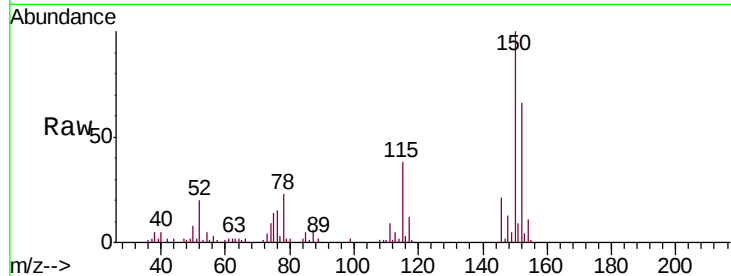
ClientSampled :

MDL01

Tgt Ion:	146	Resp:	8856
Ion Ratio	Lower	Upper	
146	100		
111	43.8	34.2	51.4
148	61.5	52.0	78.0

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.245 ug/L m

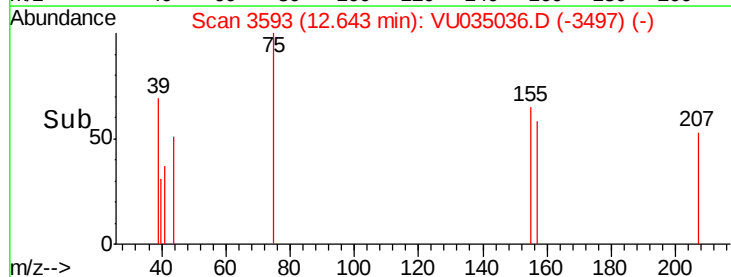
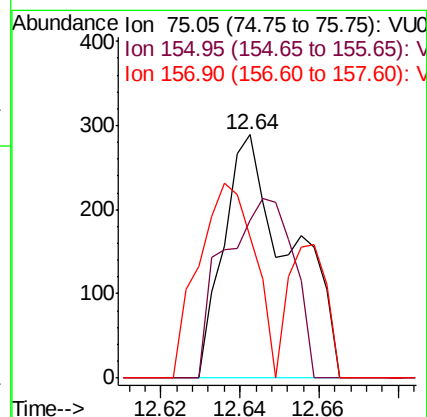
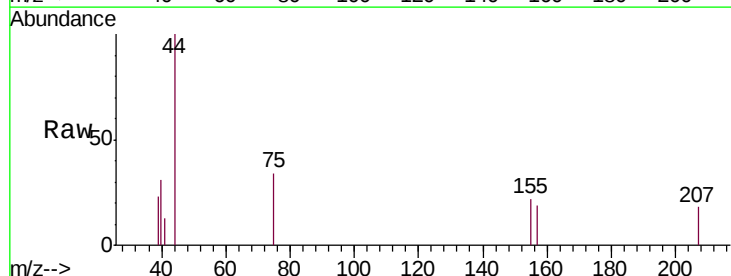
RT: 12.64 min Scan# 3593

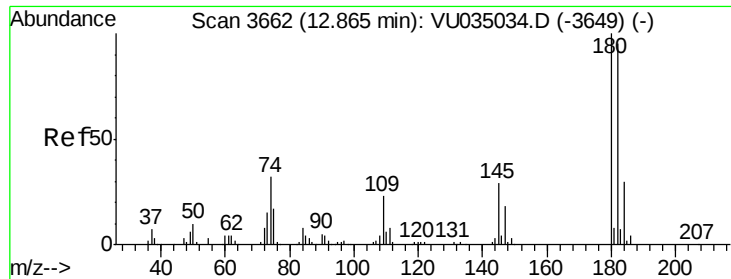
Delta R.T. 0.01 min

Lab File: VU035036.D

Acq: 10 Oct 2019 09:54

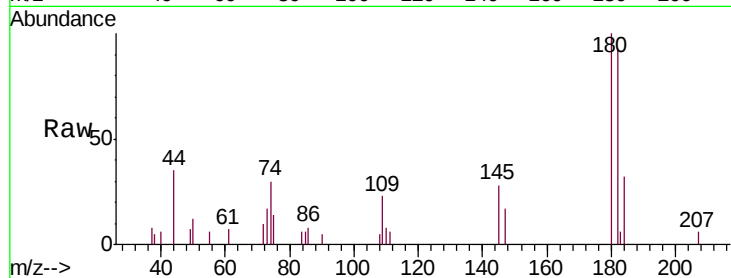
Tgt Ion:	75	Resp:	336
Ion Ratio	Lower	Upper	
75	100		
155	65.1	67.1	100.7#
157	57.8	83.7	125.5#





#67
 1,3,5-Trichlorobenzene
 Concen: 0.320 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54

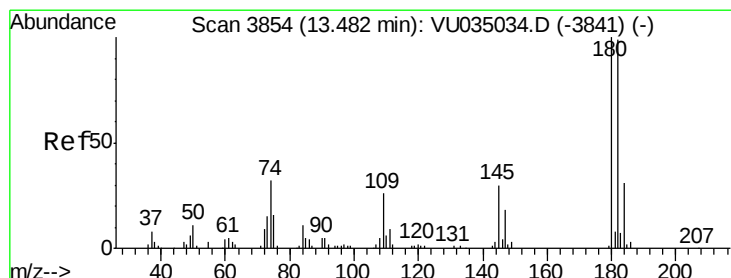
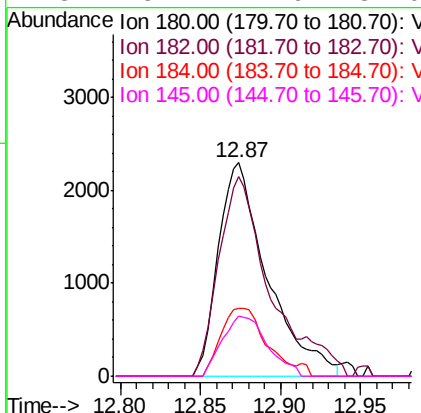
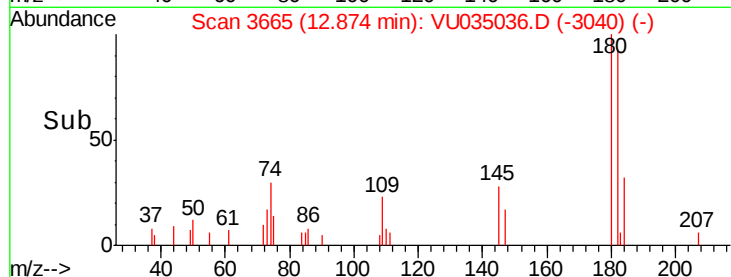
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01



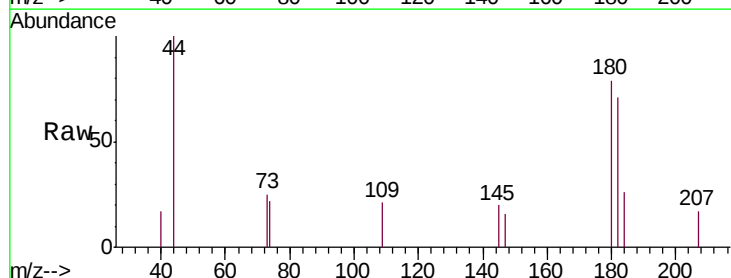
Tgt Ion:180 Resp: 4848
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.0 114.0
 184 29.9 24.2 36.2
 145 25.7 24.6 37.0

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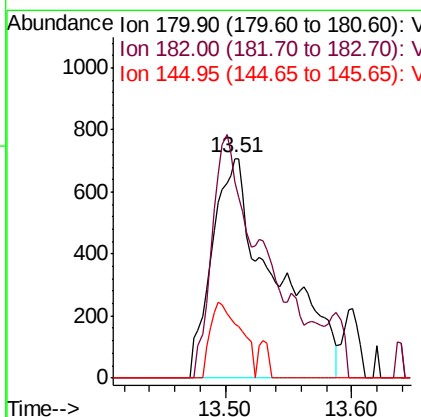
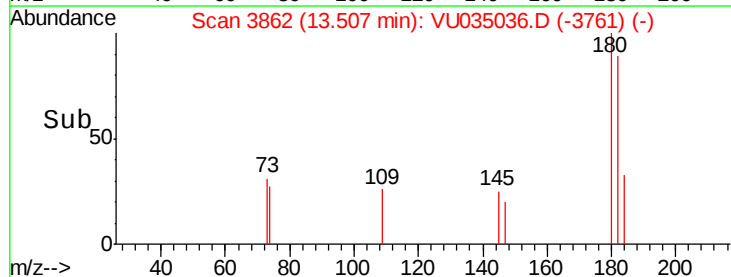
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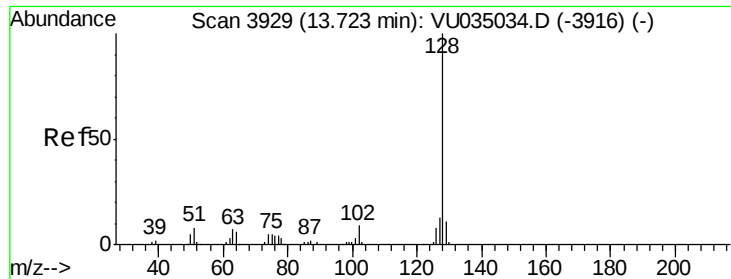


#68
 1,2,4-trichlorobenzene
 Concen: 0.217 ug/L m
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.03 min
 Lab File: VU035036.D
 Acq: 10 Oct 2019 09:54



Tgt Ion:180 Resp: 2457
 Ion Ratio Lower Upper
 180 100
 182 7.1 77.3 115.9#
 145 2.6 24.5 36.7#





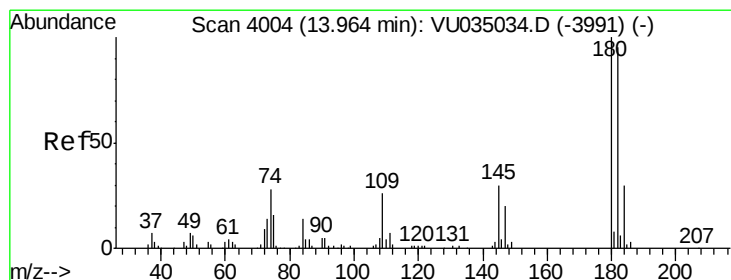
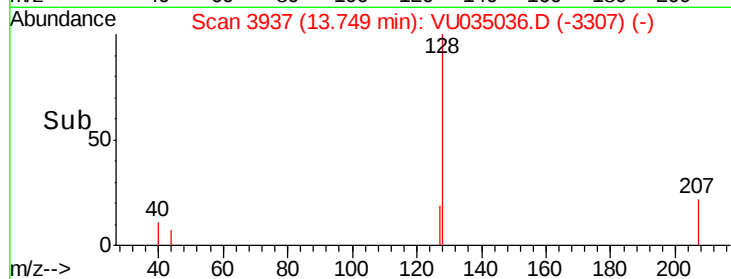
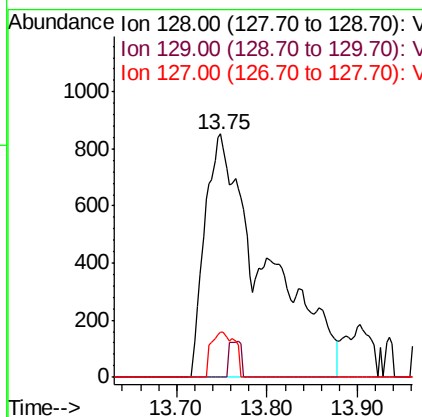
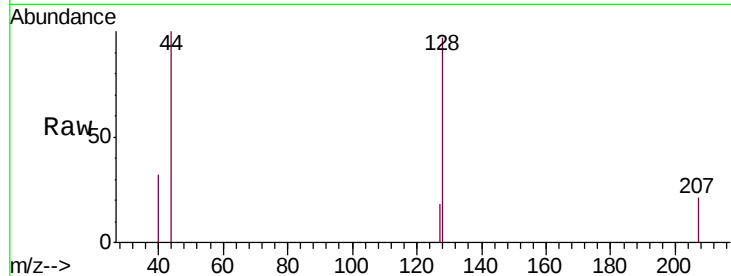
#69
Naphthalene
Concen: 0.227 ug/L m
RT: 13.75 min Scan# 3937
Delta R.T. 0.03 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.9	8.7	13.1#
127	7.1	10.6	15.8#

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#70
1,2,3-Trichlorobenzene
Concen: 0.299 ug/L m
RT: 13.98 min Scan# 4009
Delta R.T. 0.02 min
Lab File: VU035036.D
Acq: 10 Oct 2019 09:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	76.8	77.0	115.4#
145	13.4	25.9	38.9#

