

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081518\
 Data File : VU026160.D
 Acq On : 15 Aug 2018 20:47
 Operator : MD/SY
 Sample : MDL05
 Misc : 5.00uL/5mL/100uL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 4:20:22 PM

Quant Time: Aug 16 04:55:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 16 04:40:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286013	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	268618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	115482	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70344	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.78%
7) Chloroethane-d5	1.68	69	60163	43.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.16%
11) 1,1-Dichloroethene-d2	2.27	63	109639	33.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.48%
21) 2-Butanone-d5	4.18	46	136294	105.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.77%
24) Chloroform-d	4.65	84	168510	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	116077	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
32) Benzene-d6	5.35	84	325038	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
36) 1,2-Dichloropropane-d6	6.33	67	109513	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.20%
41) Toluene-d8	7.57	98	299327	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%
43) trans-1,3-Dichloropropene-	7.85	79	49648	46.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.12%
47) 2-Hexanone-d5	8.31	63	96468	103.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	149696	46.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	114572	47.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4749	2.10 ug/L	99
3) Chloromethane	1.33	50	5254	2.55 ug/L	100
5) Vinyl chloride	1.40	62	4127	2.00 ug/L #	65
6) Bromomethane	1.62	94	2329	2.20 ug/L	81
8) Chloroethane	1.70	64	2910	2.36 ug/L	93
9) Trichlorofluoromethane	1.89	101	5867	1.93 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3881	2.36 ug/L	87
12) 1,1-Dichloroethene	2.28	96	3918	2.59 ug/L #	1
13) Acetone	2.32	43	4850	4.11 ug/L	97
14) Carbon disulfide	2.48	76	10762	2.05 ug/L	99
15) Methyl Acetate	2.62	43	5259	2.57 ug/L	94
16) Methylene chloride	2.71	84	4924	2.43 ug/L	88
17) trans-1,2-Dichloroethene	2.99	96	3717	2.07 ug/L	83
18) Methyl tert-butyl Ether	3.00	73	11219	1.97 ug/L	97
19) 1,1-Dichloroethane	3.45	63	6776	1.96 ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	4240	2.11 ug/L	88
22) 2-Butanone	4.27	43	6632m	4.51 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	2405	2.21	ug/L	91
25) Chloroform	4.68	83	9724	2.68	ug/L	97
27) 1,2-Dichloroethane	5.41	62	6617	2.26	ug/L #	92
29) Cyclohexane	4.99	56	5092m	1.90	ug/L	
30) 1,1,1-Trichloroethane	4.92	97	6871	2.14	ug/L	96
31) Carbon tetrachloride	5.14	117	6208	2.14	ug/L	96
33) Benzene	5.39	78	15096	2.08	ug/L	100
34) Trichloroethene	6.19	95	4364	2.30	ug/L	86
35) Methylcyclohexane	6.42	83	5230	1.84	ug/L	96
37) 1,2-Dichloropropane	6.44	63	4541	2.24	ug/L #	94
38) Bromodichloromethane	6.76	83	5484	2.04	ug/L	90
39) cis-1,3-Dichloropropene	7.27	75	6169	2.05	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	10581	4.20	ug/L	93
42) Toluene	7.64	91	16374	2.12	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	6083	2.09	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	4119	2.14	ug/L	95
46) Tetrachloroethene	8.23	164	3468	2.12	ug/L	95
48) 2-Hexanone	8.36	43	9842	4.98	ug/L #	97
49) Dibromochloromethane	8.48	129	4955	2.14	ug/L	98
50) 1,2-Dibromoethane	8.59	107	4398	2.20	ug/L #	93
51) Chlorobenzene	9.12	112	11217	2.12	ug/L	98
52) Ethylbenzene	9.25	91	15625	1.86	ug/L	91
53) m,p-Xylene	9.38	106	5403	1.67	ug/L	89
54) o-xylene	9.78	106	5538	1.71	ug/L	93
55) Styrene	9.80	104	8542	1.59	ug/L	90
56) Isopropylbenzene	10.17	105	13310	1.60	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	7510	2.33	ug/L #	92
59) 1,2,3-Trichloropropane	10.50	75	5497	2.20	ug/L	99
61) Bromoform	9.96	173	3495	2.31	ug/L #	90
62) 1,3-Dichlorobenzene	11.42	146	6876	1.99	ug/L	93
63) 1,4-Dichlorobenzene	11.51	146	7699	2.16	ug/L	94
65) 1,2-Dichlorobenzene	11.89	146	8267	2.24	ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.66	75	1385	2.36	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.89	180	4639	1.82	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	2501	1.29	ug/L #	79
69) Naphthalene	13.76	128	7689m	1.40	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	3331m	1.60	ug/L	

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

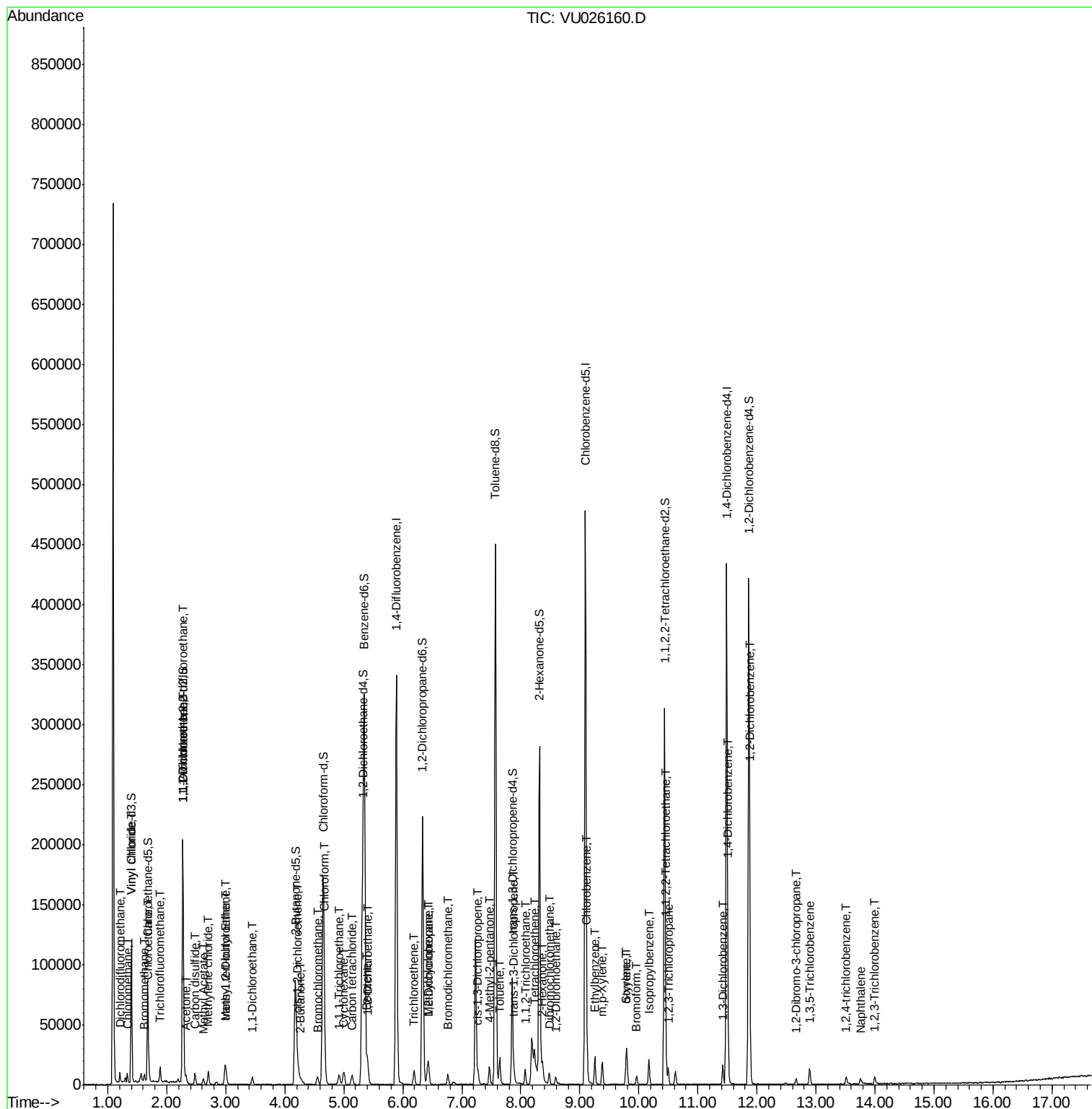
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081518\
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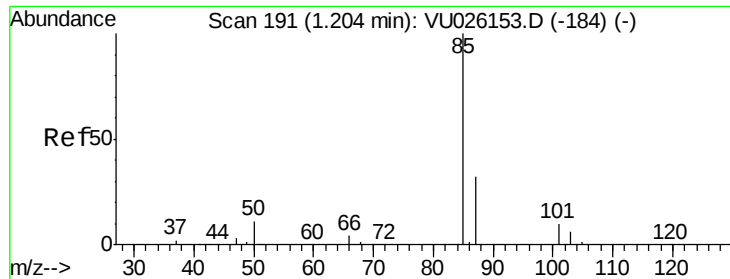
Instrument :
MSVOA_U
ClientSampleId :
MDL05

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#2

Dichlorodifluoromethane

Concen: 2.10 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 85 Resp: 4749

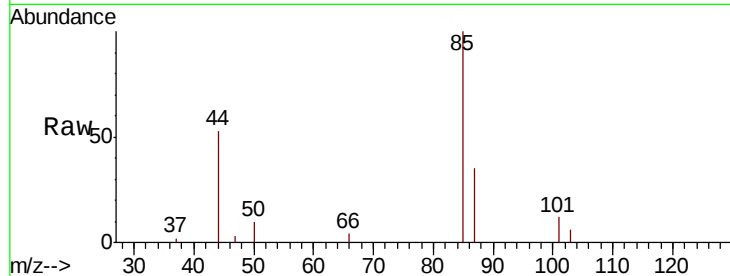
Ion Ratio Lower Upper

85 100

87 33.0 26.1 39.1

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Abundance Ion 85.00 (84.70 to 85.70): VU026160.D (-98) (-)

Ion 87.00 (86.70 to 87.70): VU026160.D (-98) (-)

1.20

4000

3000

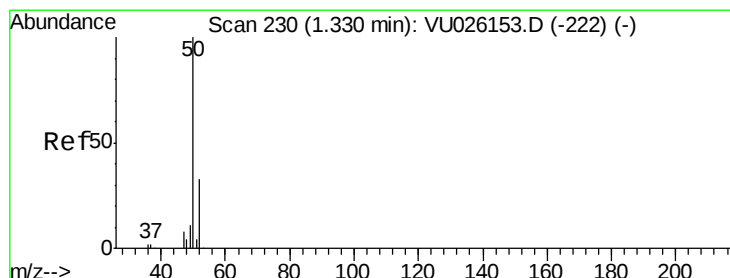
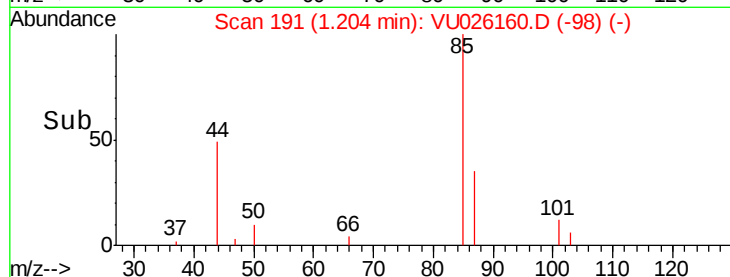
2000

1000

0

1.18 1.20 1.22 1.24

Time-->



#3

Chloromethane

Concen: 2.55 ug/L

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU026160.D

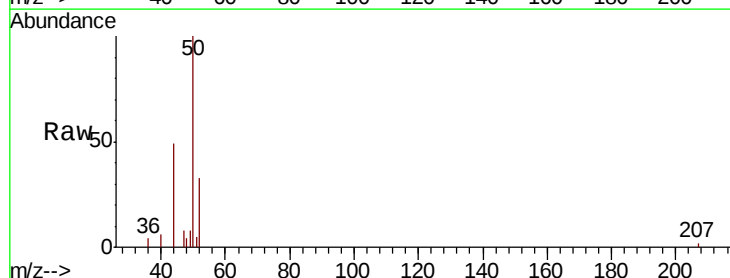
Acq: 15 Aug 2018 20:47

Tgt Ion: 50 Resp: 5254

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU026160.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU026160.D (-137) (-)

1.33

4000

3000

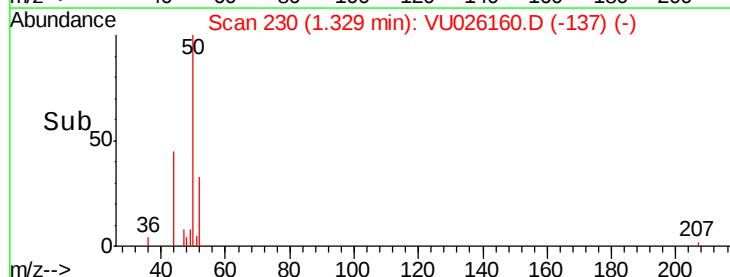
2000

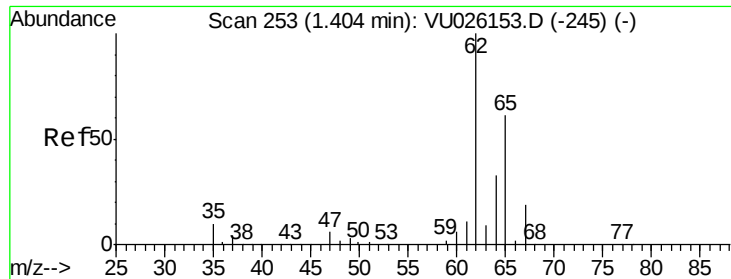
1000

0

1.30 1.32 1.34 1.36

Time-->





#5

Vinyl chloride

Concen: 2.00 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 4127

Ion Ratio Lower Upper

62 100

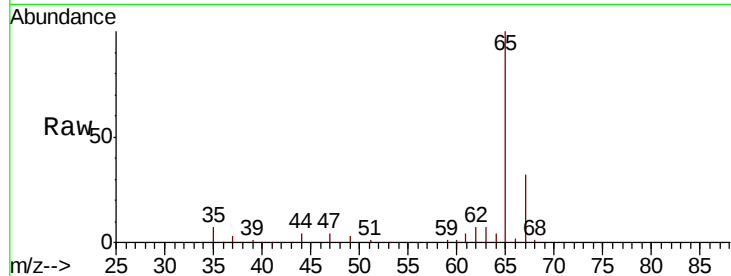
64 52.8 23.0 42.8#

Manual Integrations

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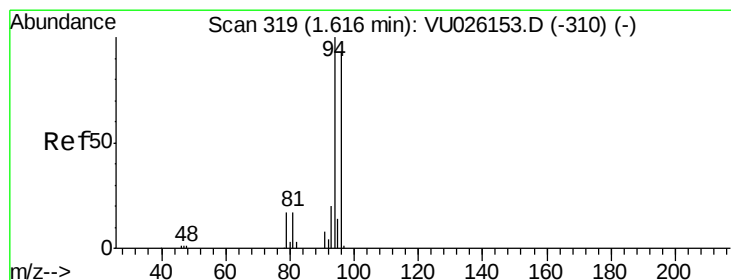
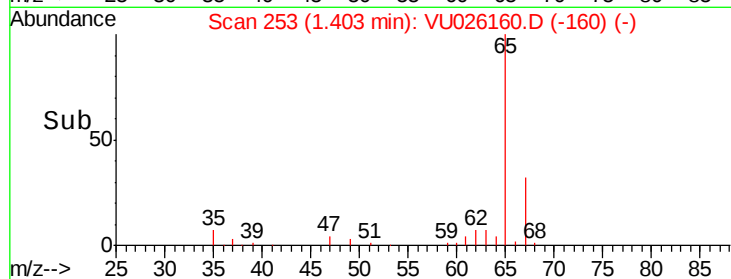
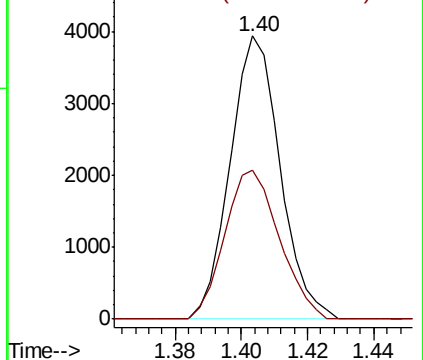
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 2.20 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU026160.D

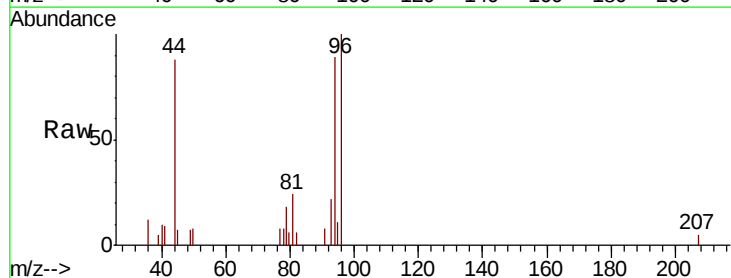
Acq: 15 Aug 2018 20:47

Tgt Ion: 94 Resp: 2329

Ion Ratio Lower Upper

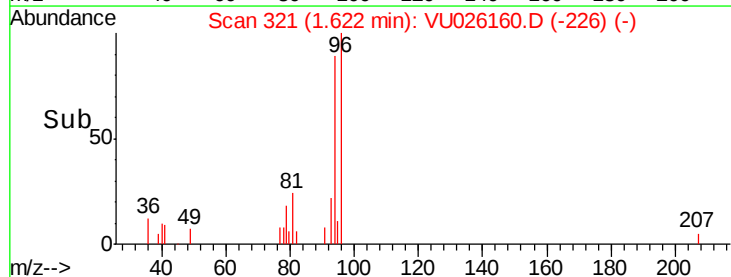
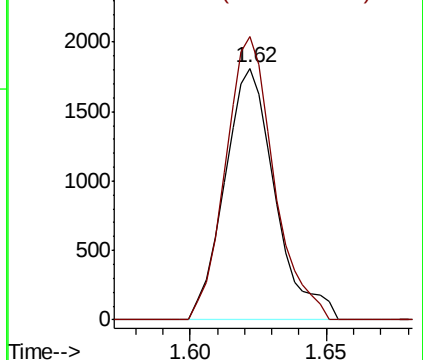
94 100

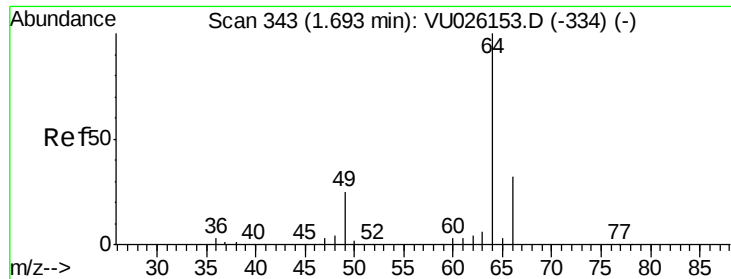
96 112.3 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 2.36 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 64 Resp: 2910

Ion Ratio Lower Upper

64 100

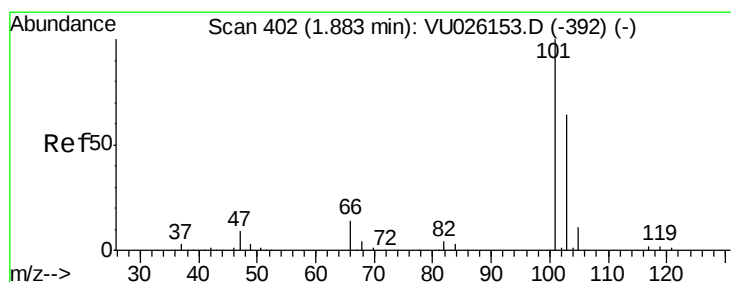
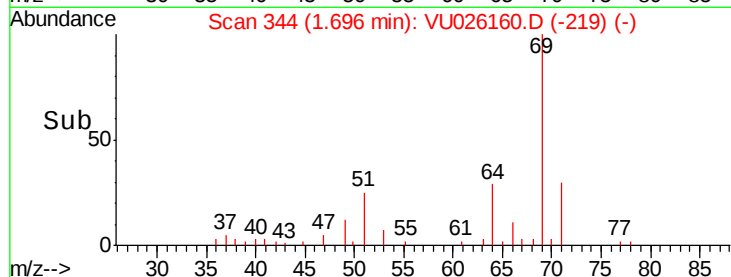
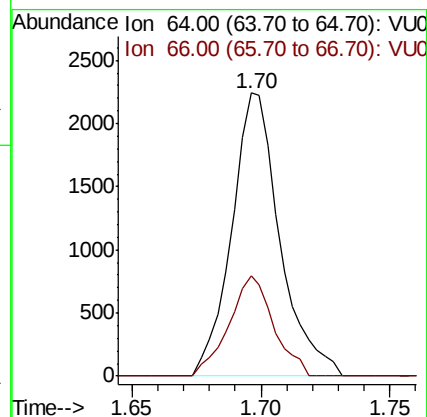
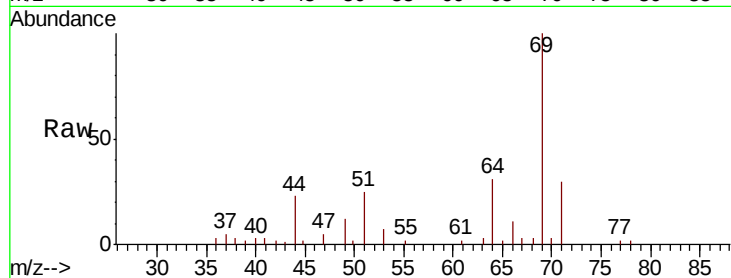
66 35.4 22.2 41.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.93 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026160.D

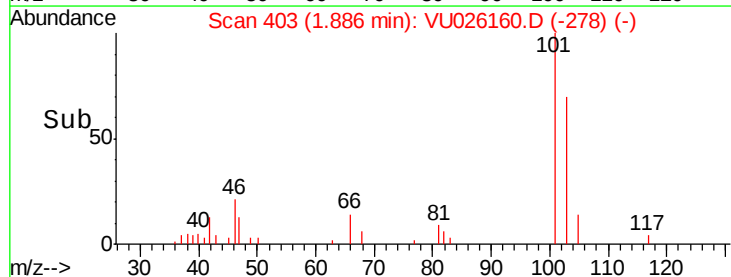
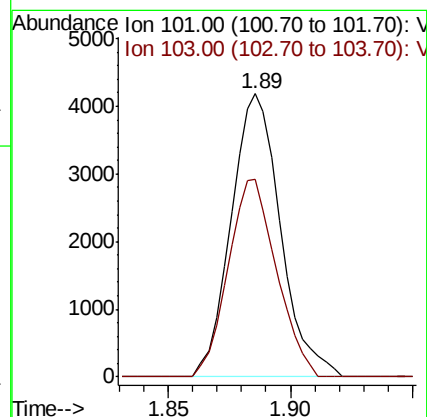
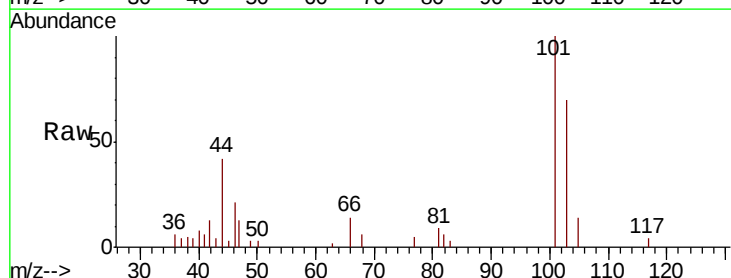
Acq: 15 Aug 2018 20:47

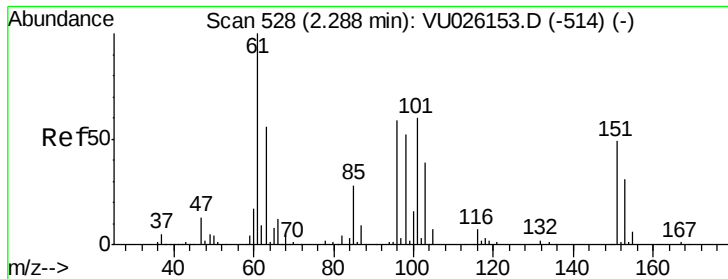
Tgt Ion: 101 Resp: 5867

Ion Ratio Lower Upper

101 100

103 68.3 51.4 77.2





#10

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

Concen: 2.36 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

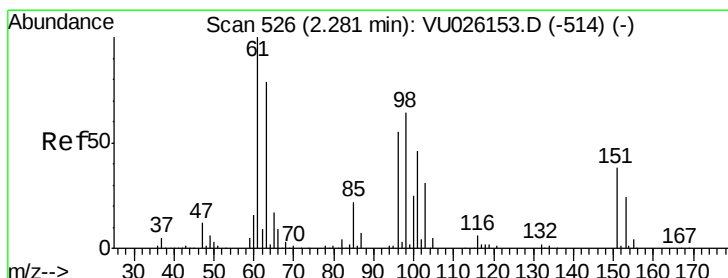
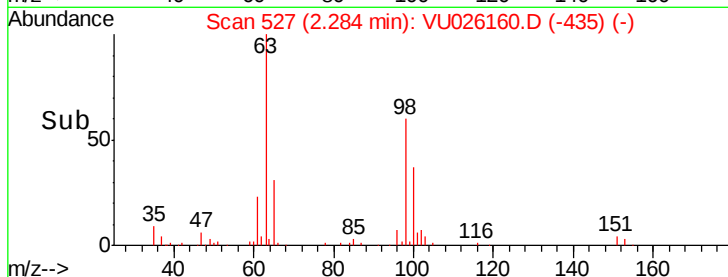
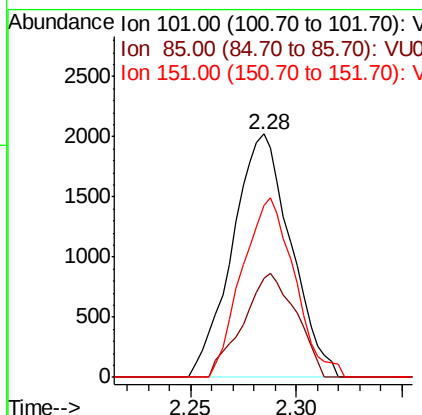
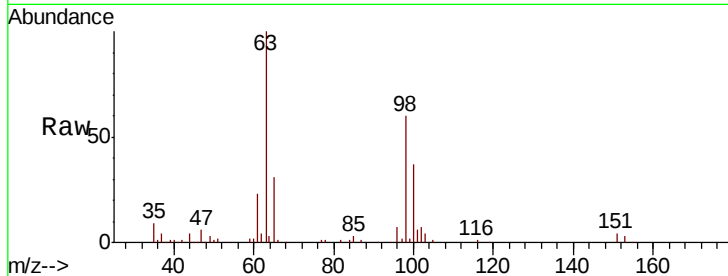
ClientSampled :

MDL05

Tot Ion:	101	Resp:	3881
Ion Ratio	Lower	Upper	
101	100		
85	38.9	36.6	55.0
151	66.5	63.8	95.8

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#12

1,1-Dichloroethene

Concen: 2.59 ug/L

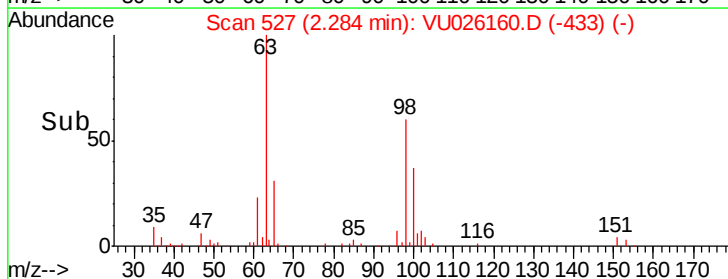
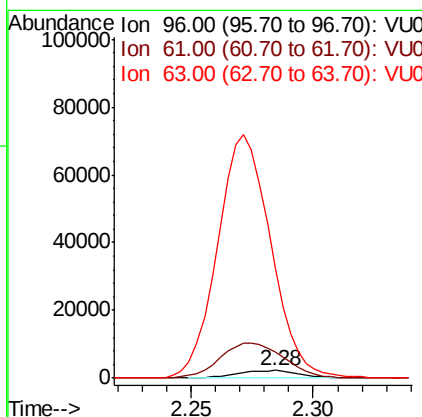
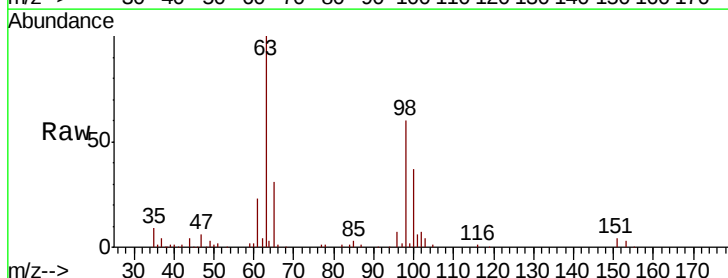
RT: 2.28 min Scan# 527

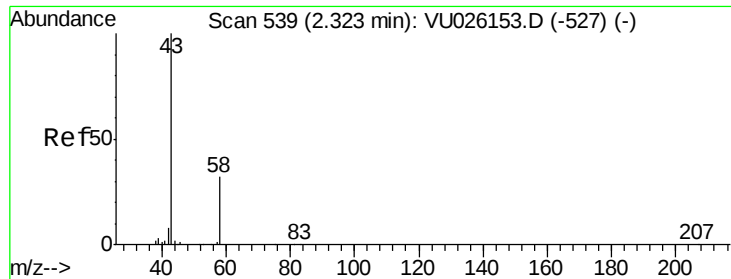
Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion:	96	Resp:	3918
Ion Ratio	Lower	Upper	
96	100		
61	334.5	126.8	235.4#
63	1424.7	97.0	180.2#





#13

Acetone

Concen: 4.11 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 4850

Ion Ratio Lower Upper

43 100

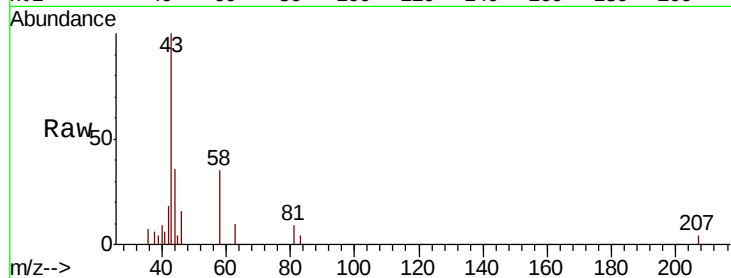
58 29.6 0.0 62.6

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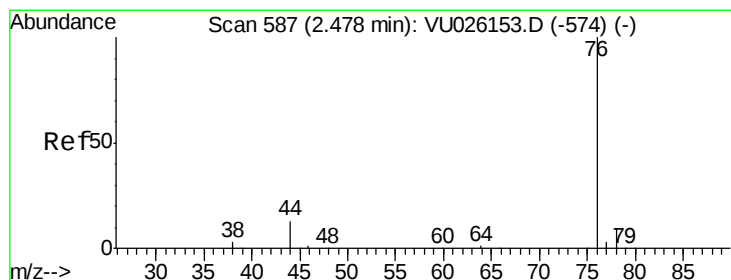
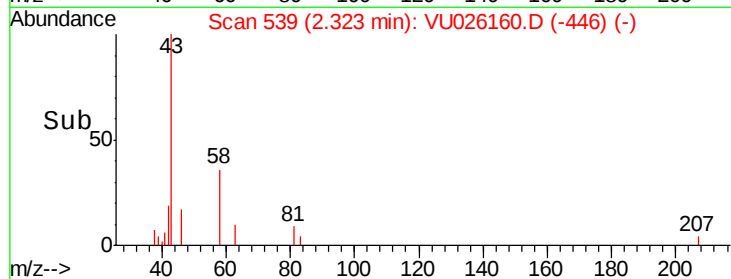
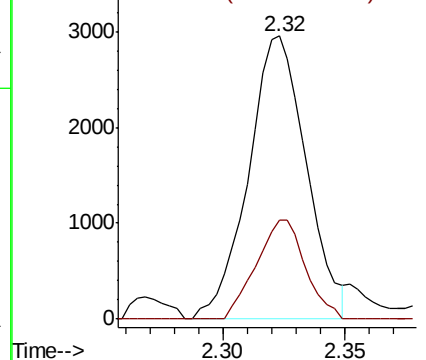
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.05 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026160.D

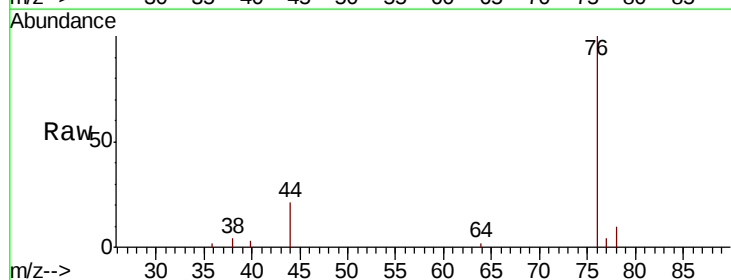
Acq: 15 Aug 2018 20:47

Tgt Ion: 76 Resp: 10762

Ion Ratio Lower Upper

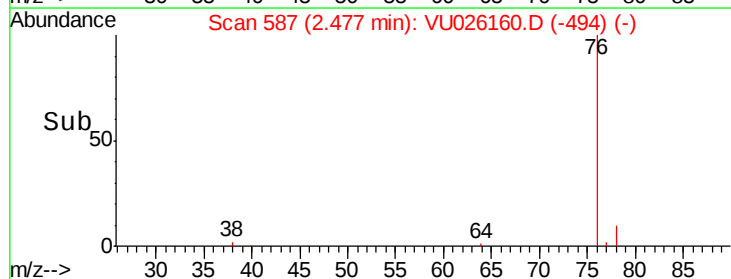
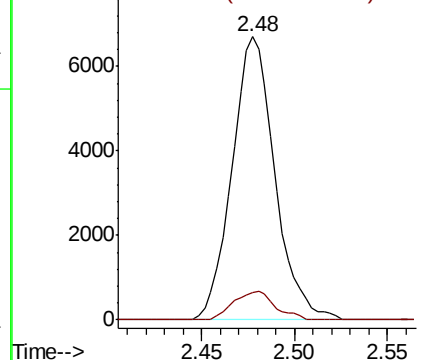
76 100

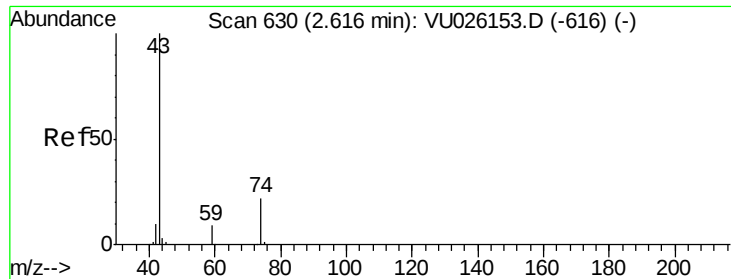
78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methvl Acetate

Concen: 2.57 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 43 Resp: 5259

Ion Ratio Lower Upper

43 100

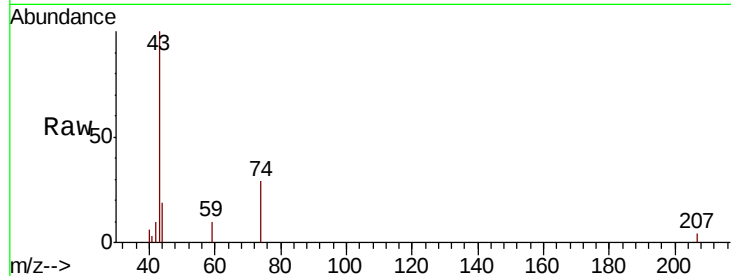
74 20.4 18.6 28.0

Manual Integrations

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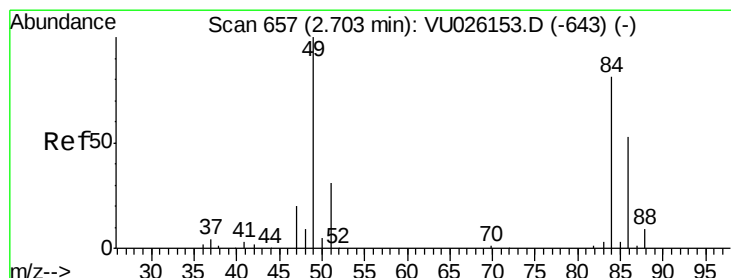
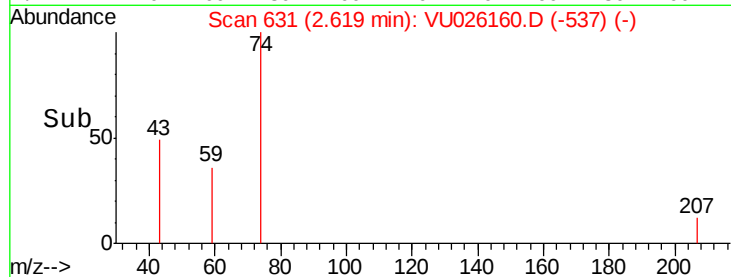
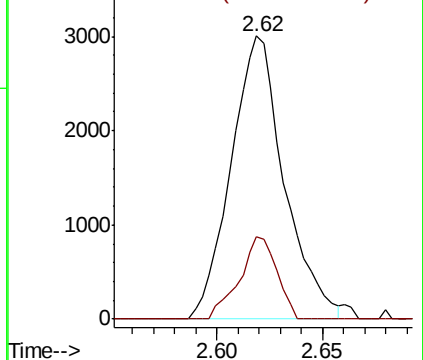
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 2.43 ug/L

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

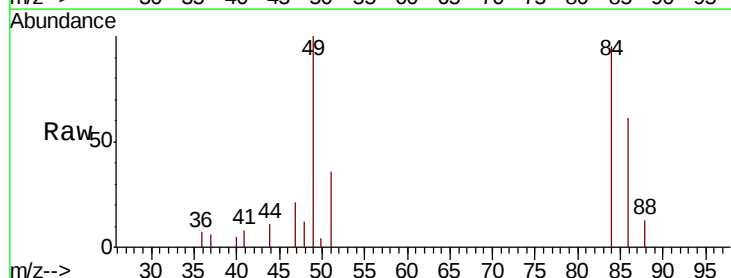
Tgt Ion: 84 Resp: 4924

Ion Ratio Lower Upper

84 100

86 64.1 44.0 81.6

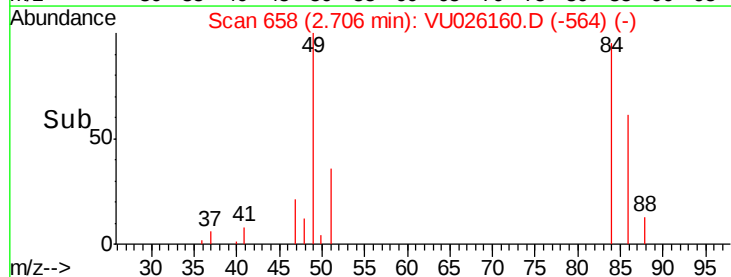
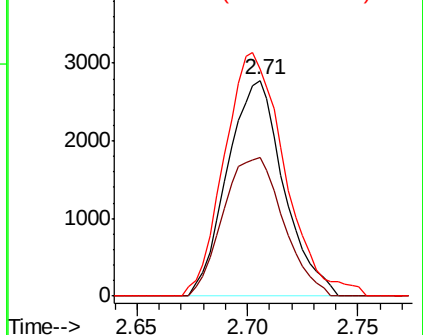
49 105.2 87.7 162.9

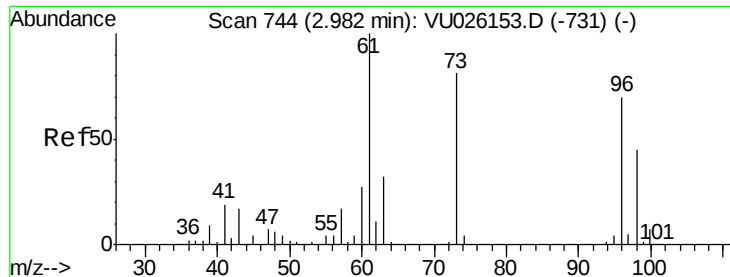


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 2.07 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

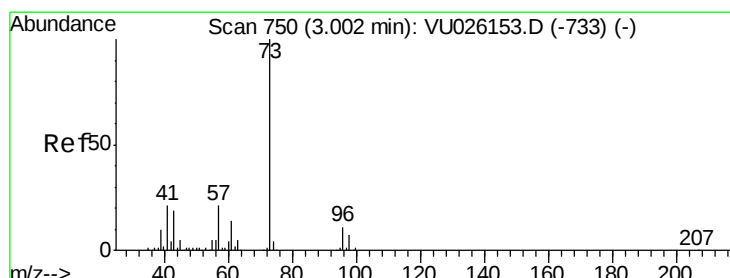
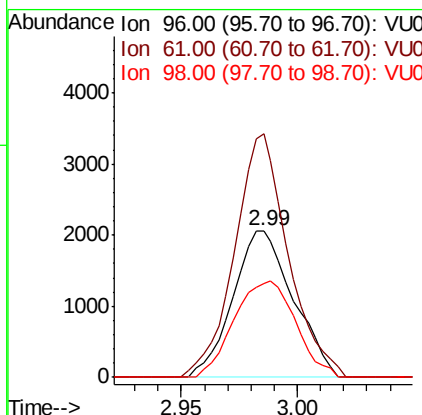
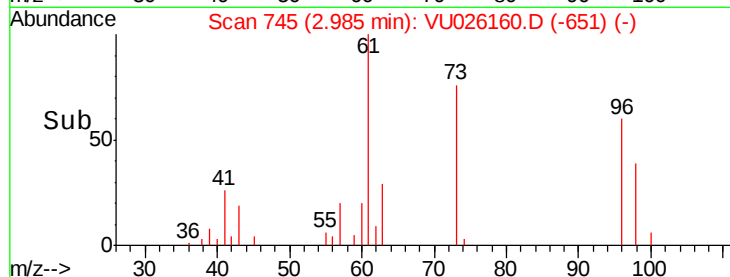
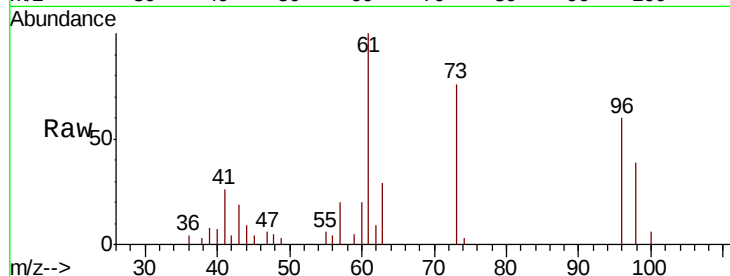
ClientSampleId :

MDL05

Tot Ion:	96	Resp:	3717
Ion	Ratio	Lower	Upper
96	100		
61	165.9	96.7	179.5
98	64.2	43.6	81.0

Manual Integrations
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#18

Methyl tert-butyl Ether

Concen: 1.97 ug/L

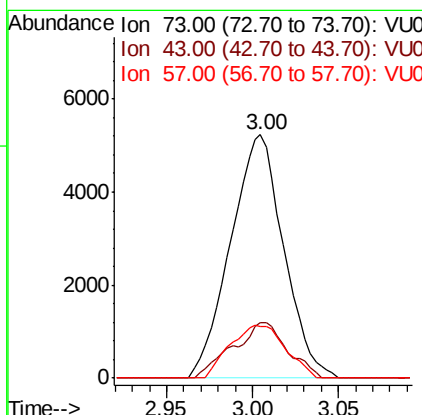
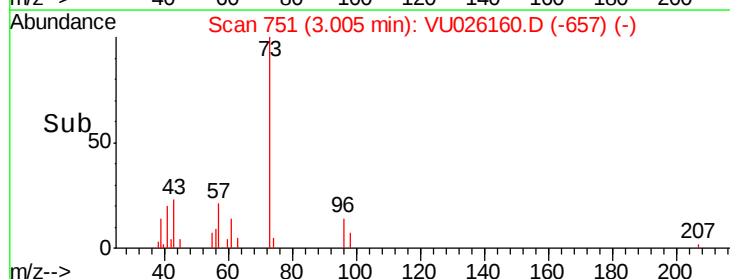
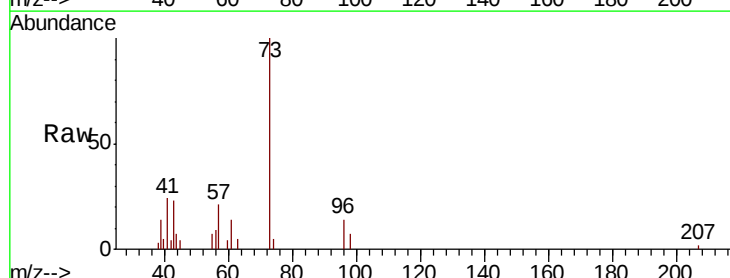
RT: 3.00 min Scan# 751

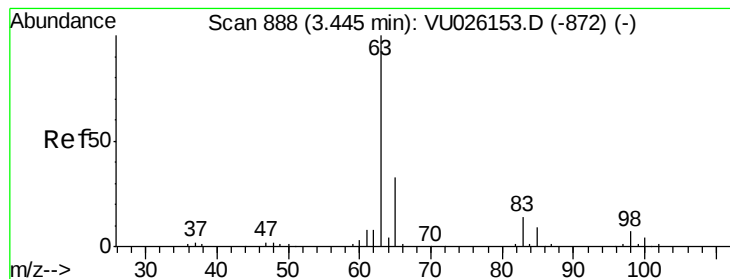
Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion:	73	Resp:	11219
Ion	Ratio	Lower	Upper
73	100		
43	17.0	16.2	24.4
57	22.7	18.2	27.2





#19

1,1-Dichloroethane

Concen: 1.96 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.01 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

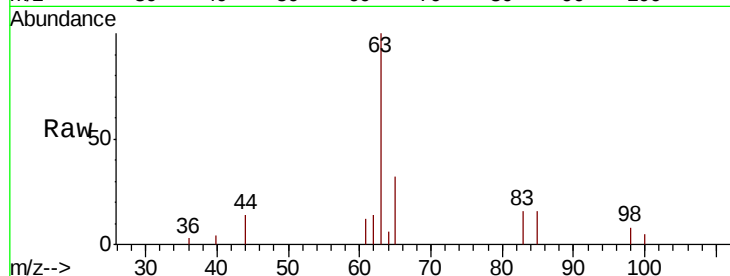
ClientSampleId :

MDL05

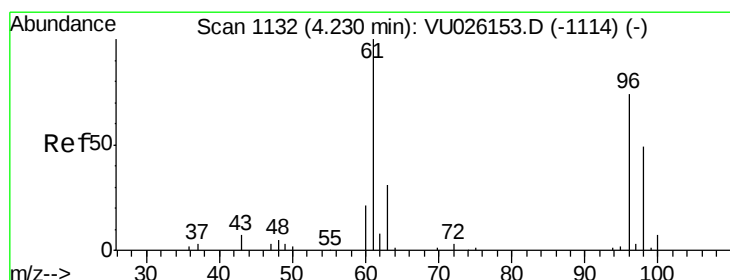
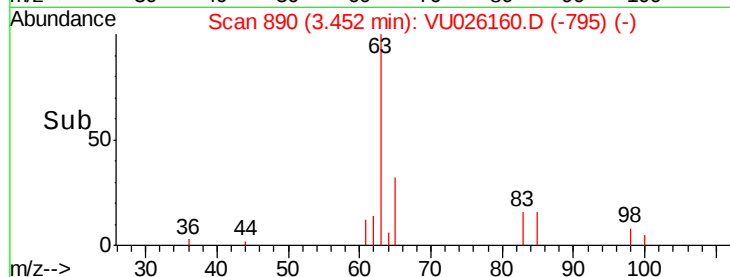
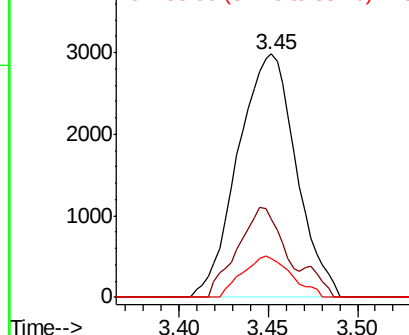
Tot Ion:	63	Resp:	6776
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.1	41.1
83	16.2	9.4	17.4

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 2.11 ug/L

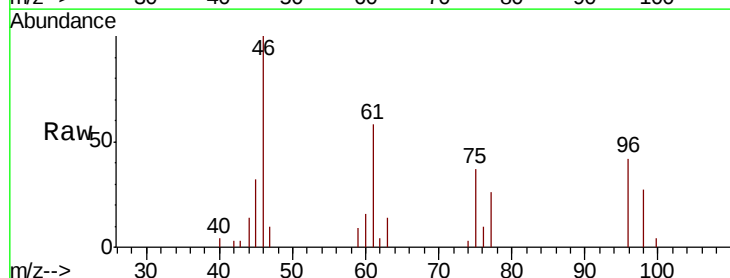
RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

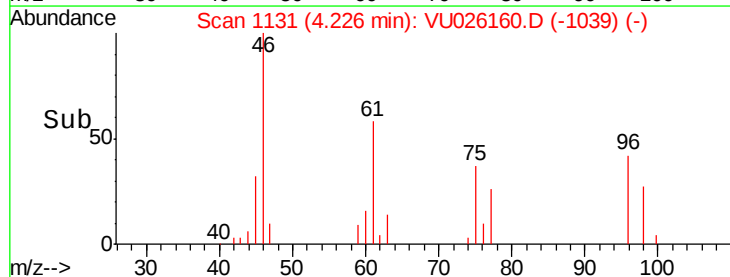
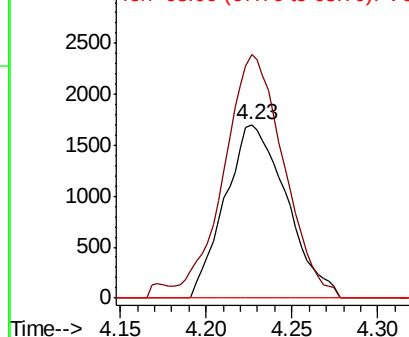
Lab File: VU026160.D

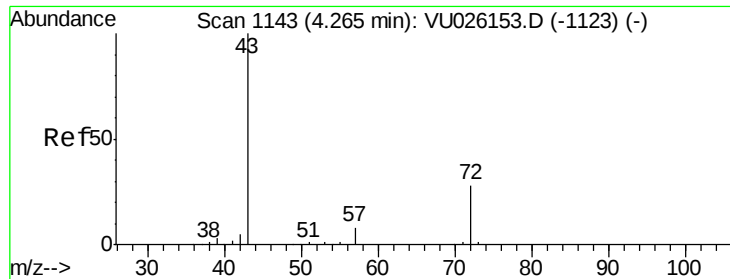
Acq: 15 Aug 2018 20:47

Tgt Ion:	96	Resp:	4240
Ion	Ratio	Lower	Upper
96	100		
61	140.4	88.6	164.6
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 4.51 ug/L m

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 43 Resp: 6632

Ion Ratio Lower Upper

43 100

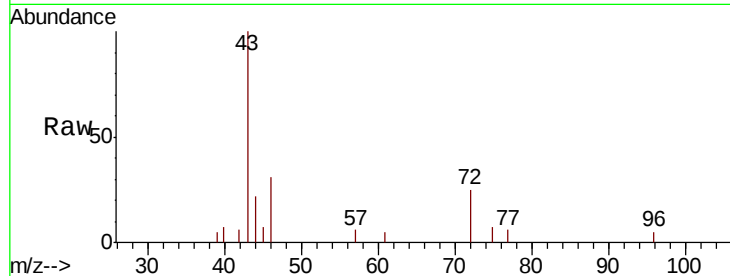
72 14.1 13.4 40.1

Manual Integrations

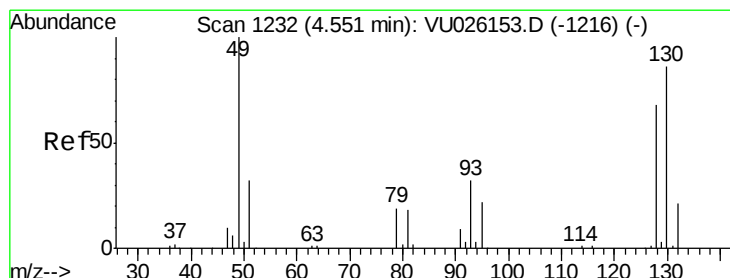
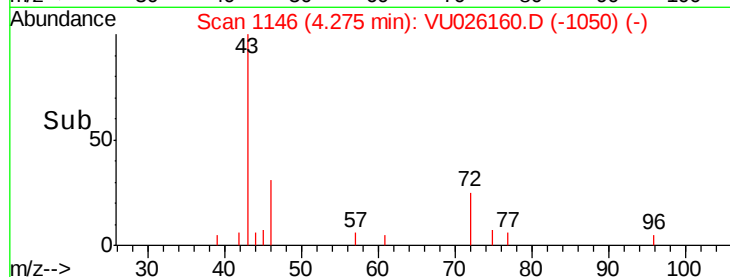
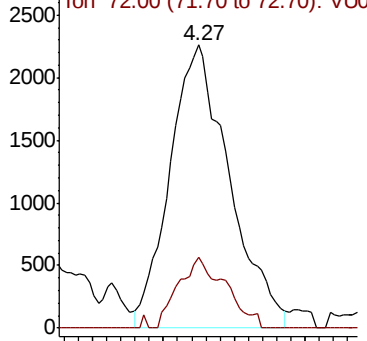
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Abundance Ion 43.00 (42.70 to 43.70): VU026160.D (-1050) (-)



#23

Bromochloromethane

Concen: 2.21 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion: 128 Resp: 2405

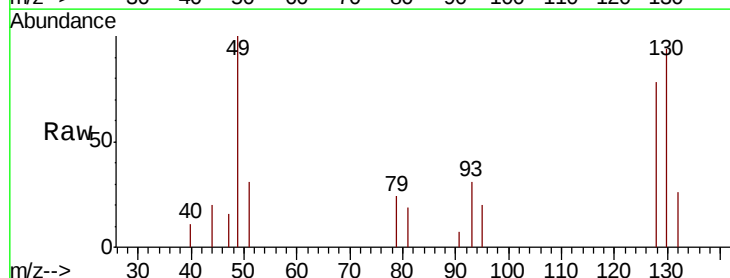
Ion Ratio Lower Upper

128 100

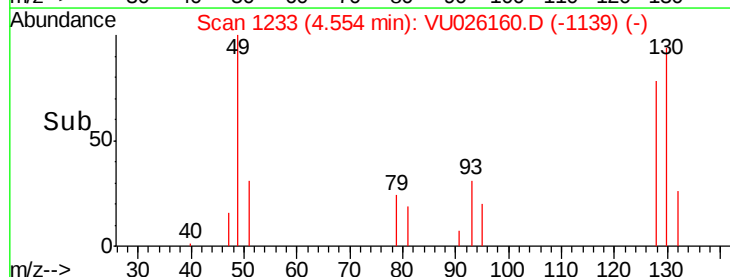
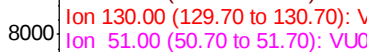
49 127.6 101.3 188.1

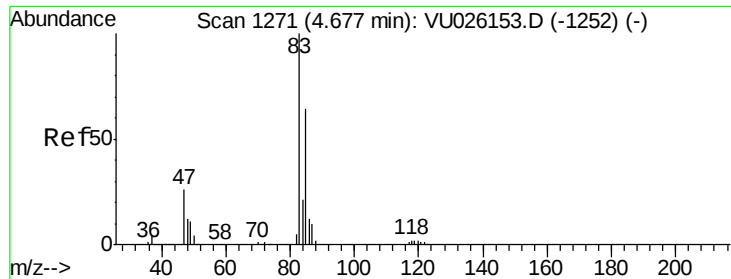
130 120.4 86.4 160.4

51 39.5 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VU026160.D (-1139) (-)





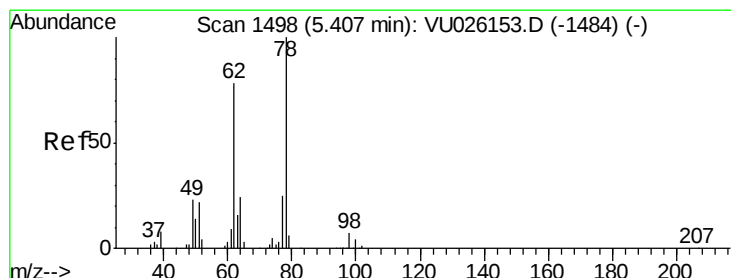
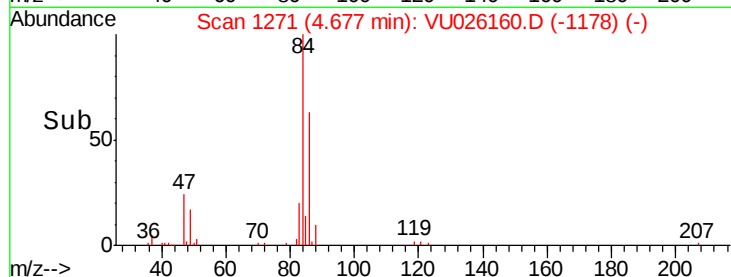
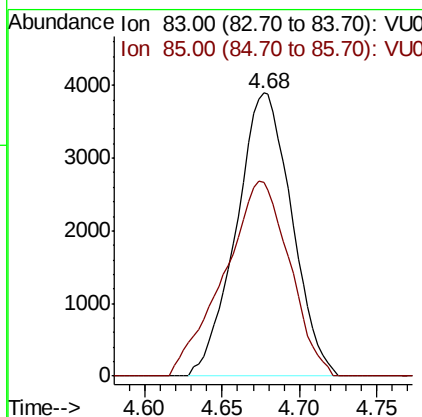
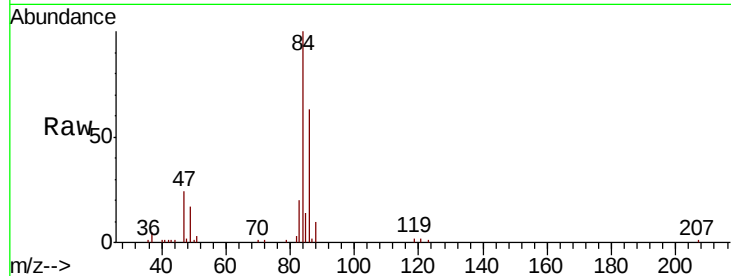
#25
Chloroform
Concen: 2.68 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	83	Resp	9724
Ion Ratio	100	Lower	Upper
85	68.3	46.3	86.1

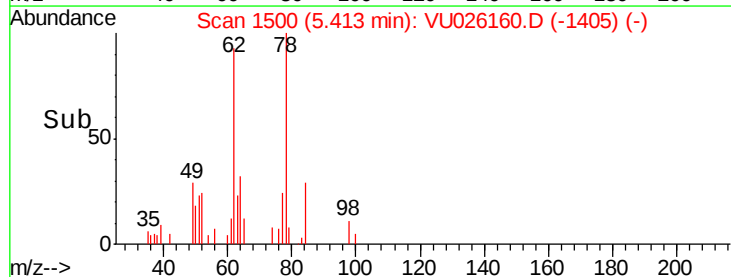
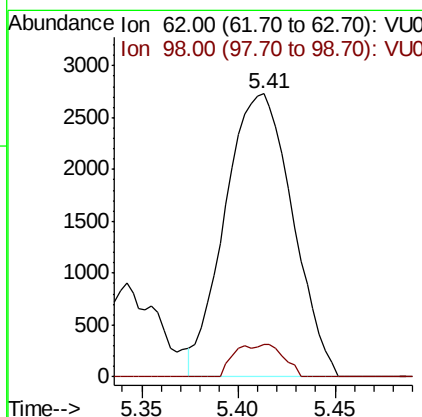
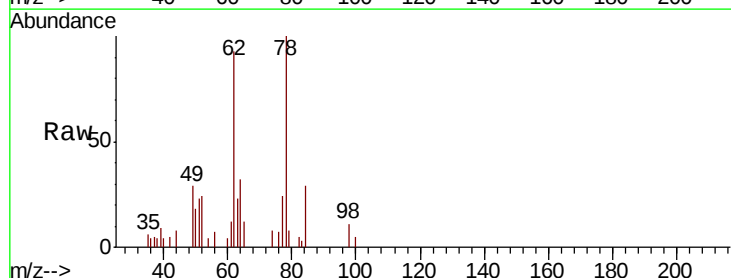
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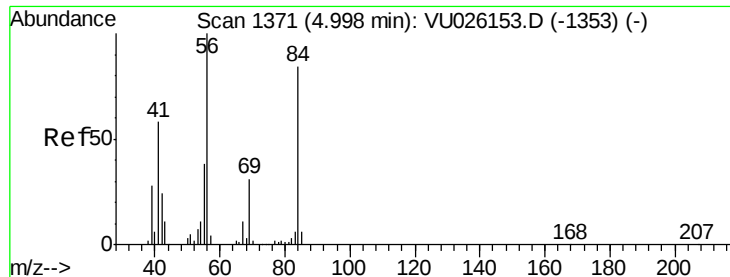
MMDadoda
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#27
1,2-Dichloroethane
Concen: 2.26 ug/L
RT: 5.41 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion	62	Resp	6617
Ion Ratio	100	Lower	Upper
98	11.6	7.0	10.4#





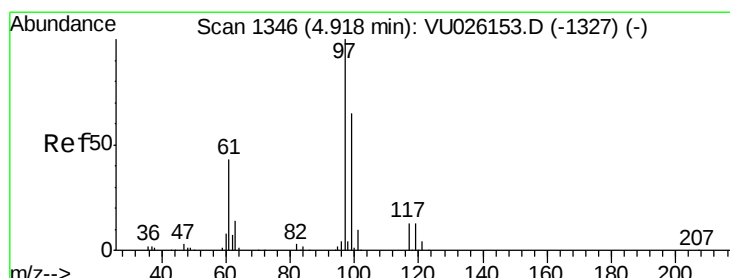
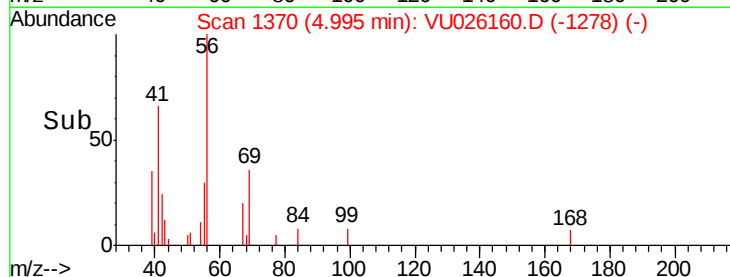
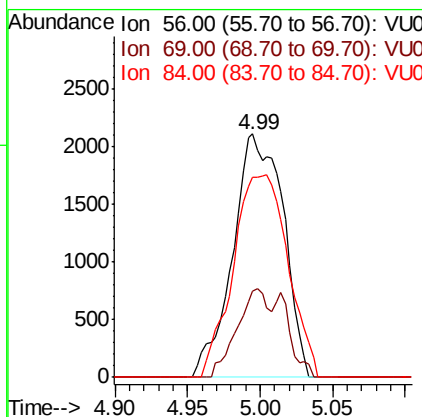
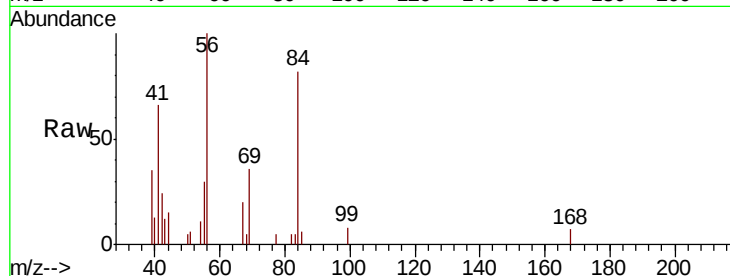
#29
Cyclohexane
Concen: 1.90 ug/L m
RT: 4.99 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.4	24.1	36.1#
84	43.9	68.6	102.8#

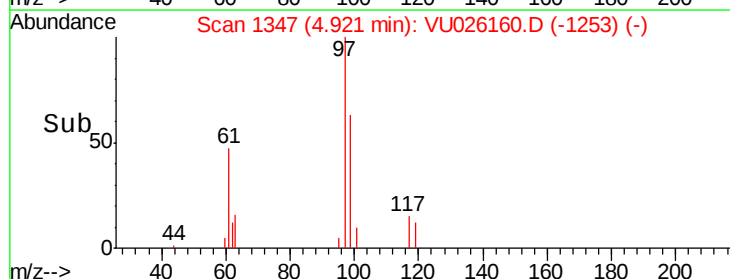
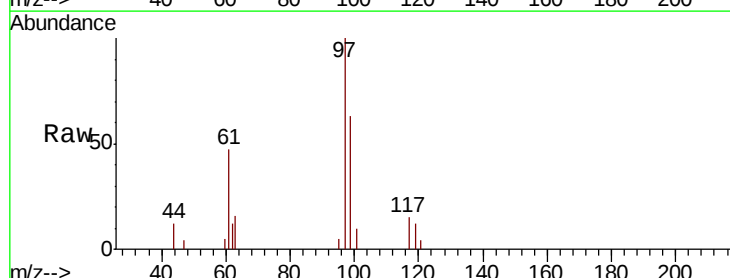
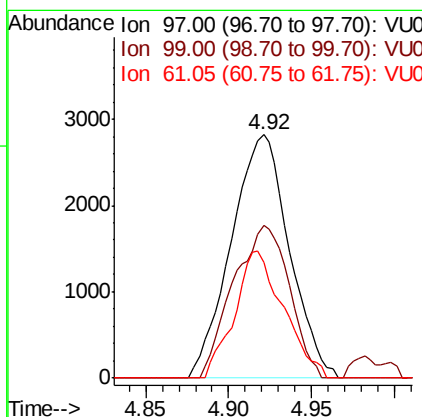
Manual Integrations
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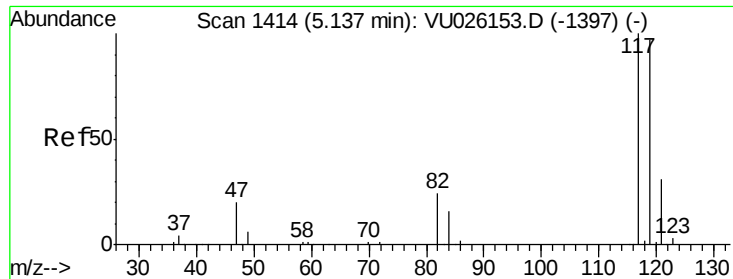
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#30
1,1,1-Trichloroethane
Concen: 2.14 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	52.2	78.2
61	44.0	35.4	53.0





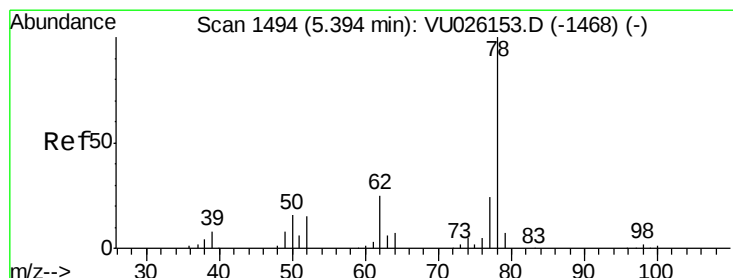
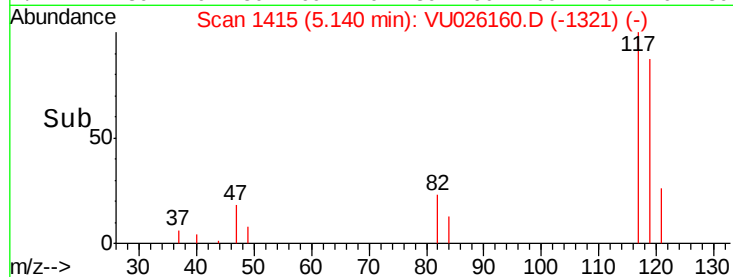
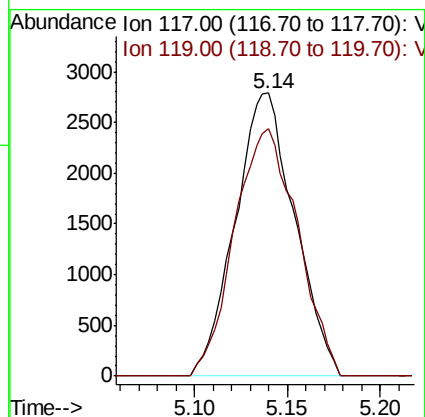
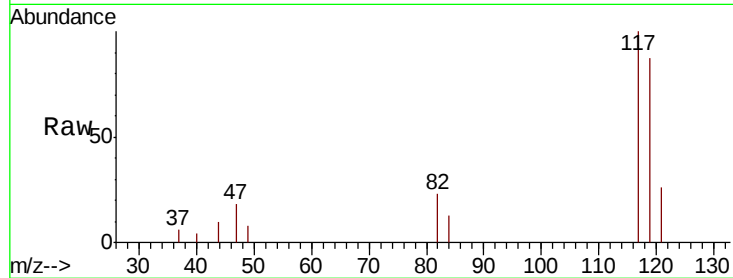
#31
Carbon tetrachloride
Concen: 2.14 ug/L
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion:117 Resp: 6208
Ion Ratio Lower Upper
117 100
119 92.9 77.4 116.2

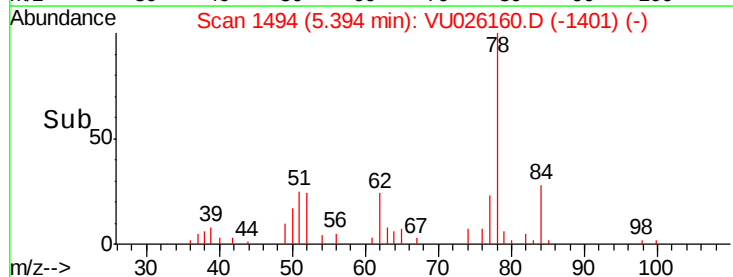
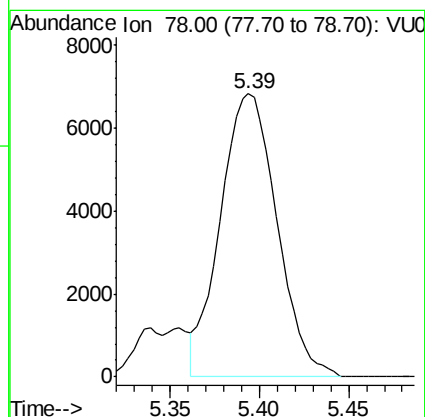
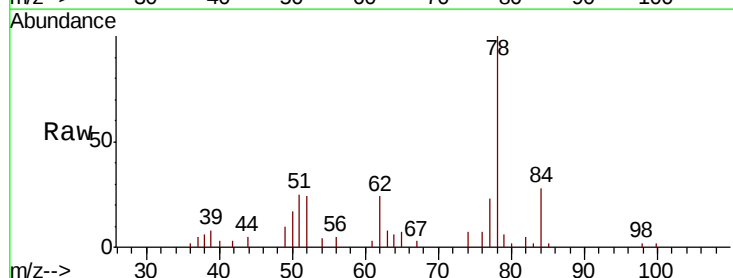
Manual Integrations
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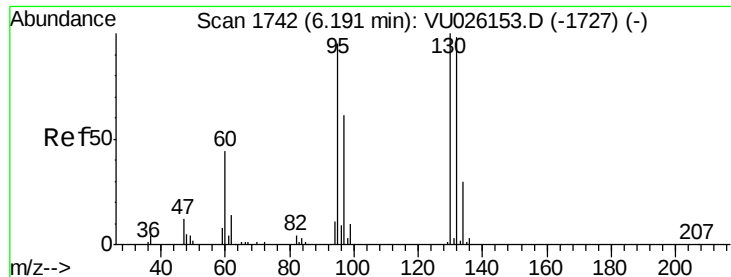
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#33
Benzene
Concen: 2.08 ug/L
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion: 78 Resp: 15096





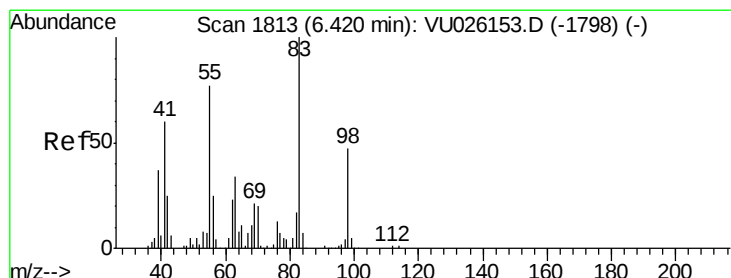
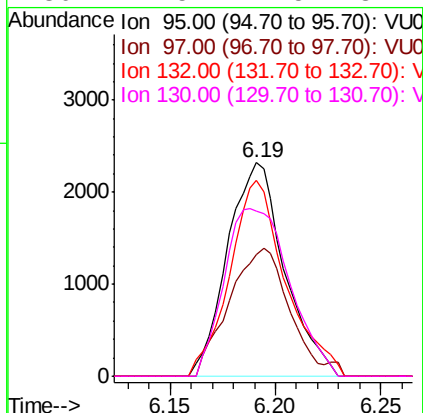
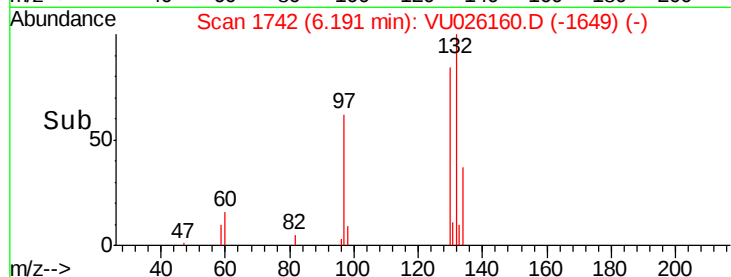
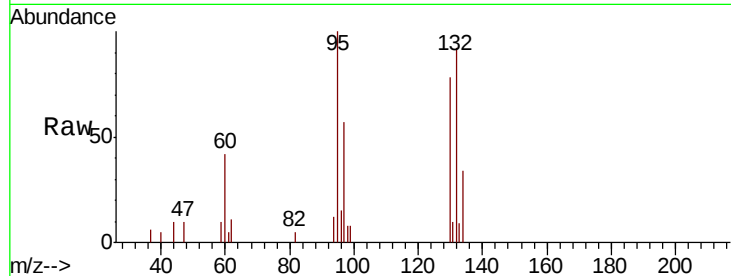
#34
 Trichloroethene
 Concen: 2.30 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion:	95	Resp:	4364
Ion	Ratio	Lower	Upper
95	100		
97	57.1	45.7	84.9
132	91.9	68.8	127.8
130	77.5	71.5	132.7

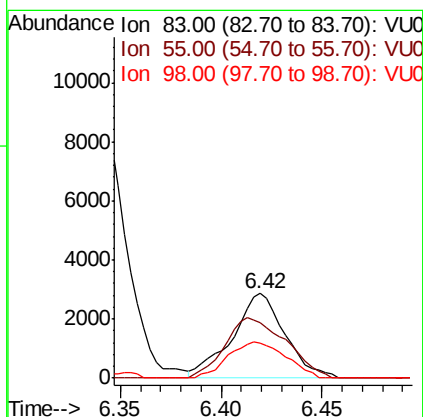
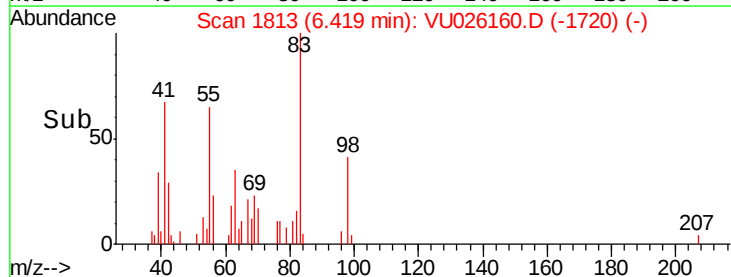
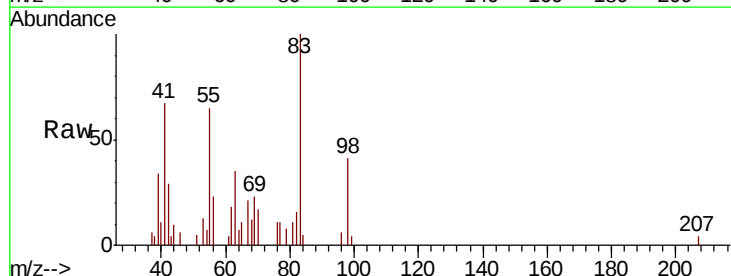
Manual Integrations
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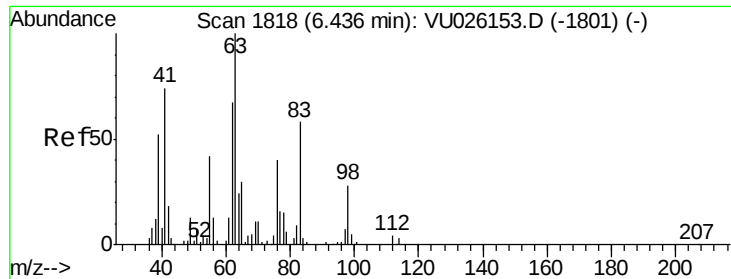
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#35
 Methylcyclohexane
 Concen: 1.84 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion:	83	Resp:	5230
Ion	Ratio	Lower	Upper
83	100		
55	82.0	61.0	91.6
98	46.5	37.6	56.4





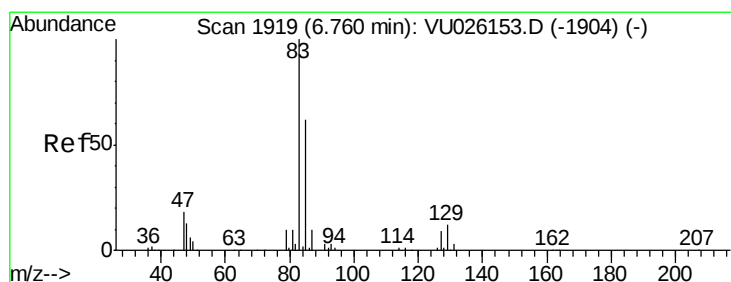
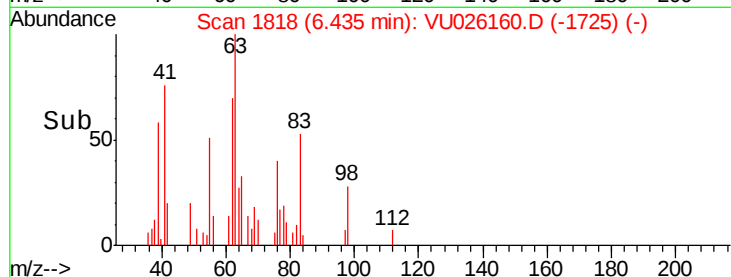
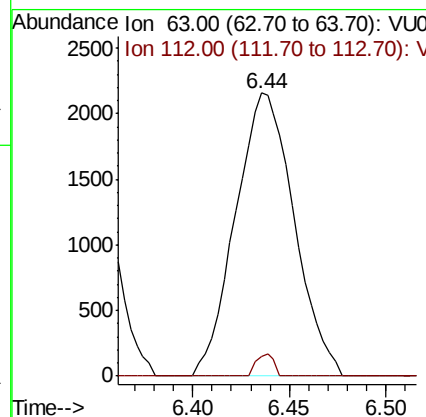
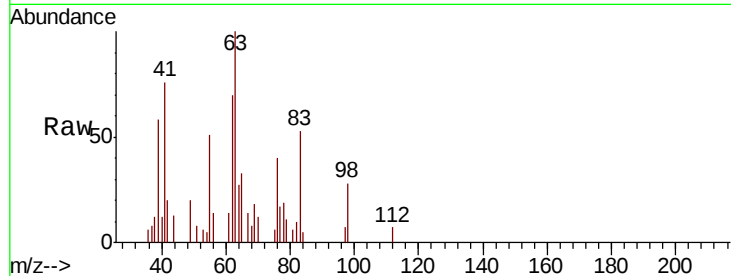
#37
 1,2-Dichloropropane
 Concen: 2.24 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion: 63 Resp: 4541
 Ion Ratio Lower Upper
 63 100
 112 2.3 3.5 5.3#

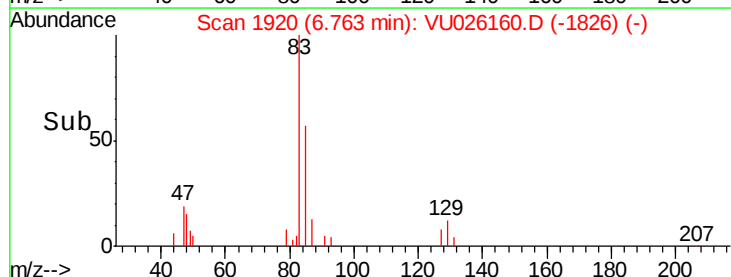
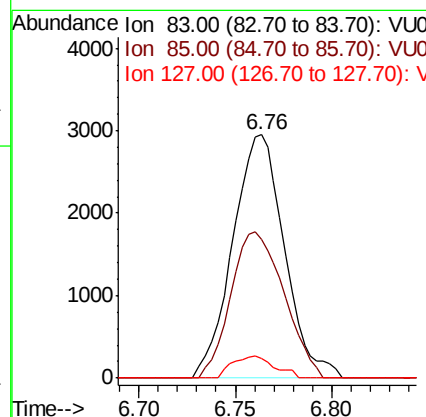
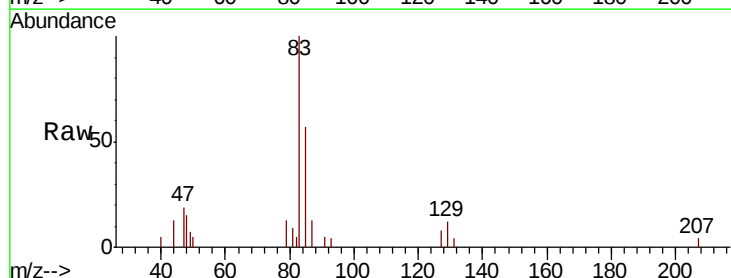
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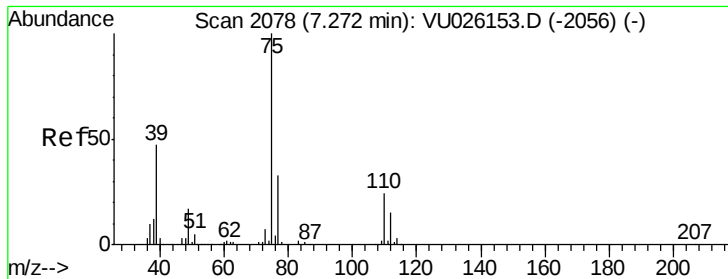
MMDadoda
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#38
 Bromodichloromethane
 Concen: 2.04 ug/L
 RT: 6.76 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion: 83 Resp: 5484
 Ion Ratio Lower Upper
 83 100
 85 57.0 46.0 85.4
 127 8.1 7.5 11.3





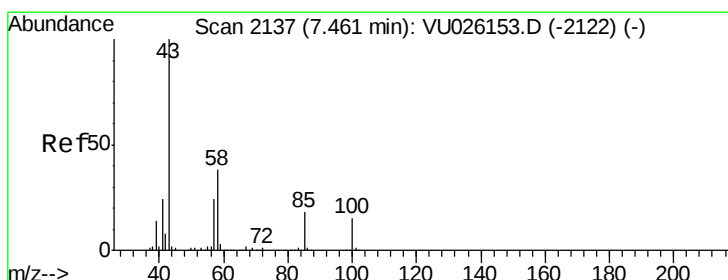
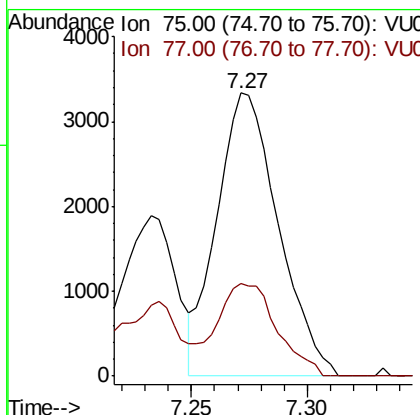
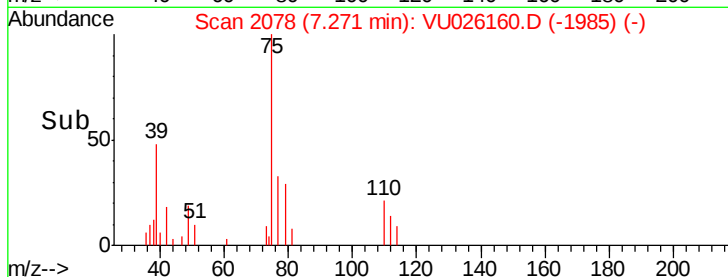
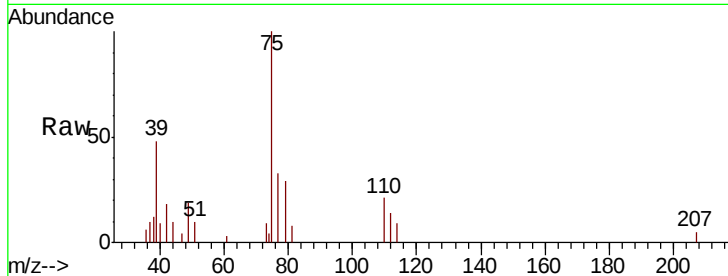
#39
 cis-1,3-Dichloropropene
 Concen: 2.05 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL05

Tot Ion: 75 Resp: 6169
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.2 41.2

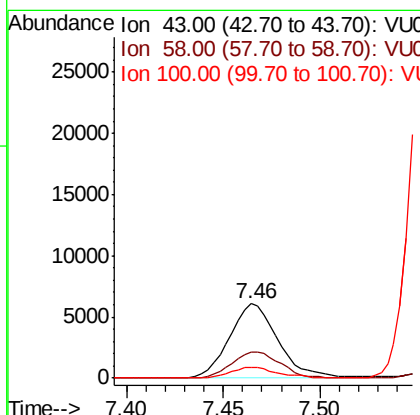
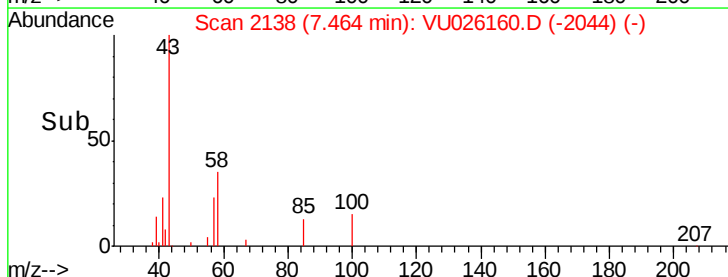
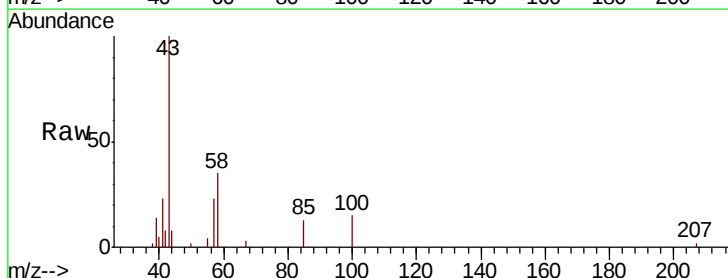
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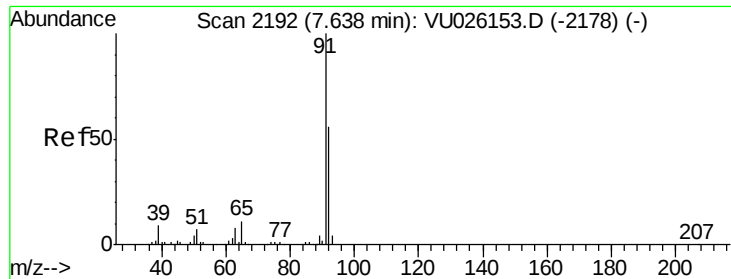
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 4.20 ug/L
 RT: 7.46 min Scan# 2138
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion: 43 Resp: 10581
 Ion Ratio Lower Upper
 43 100
 58 35.0 31.8 47.8
 100 13.8 12.2 18.2





#42

Toluene

Concen: 2.12 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 91 Resp: 16374

Ion Ratio Lower Upper

91 100

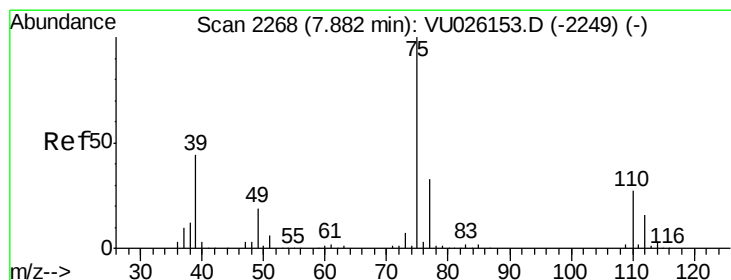
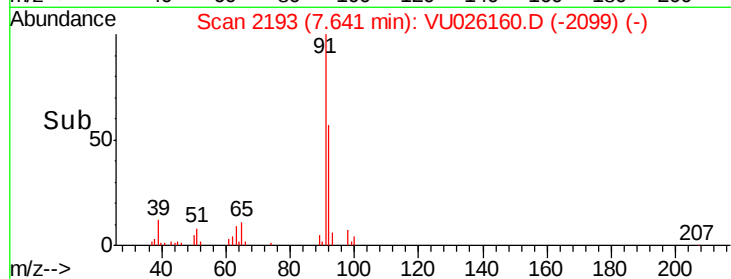
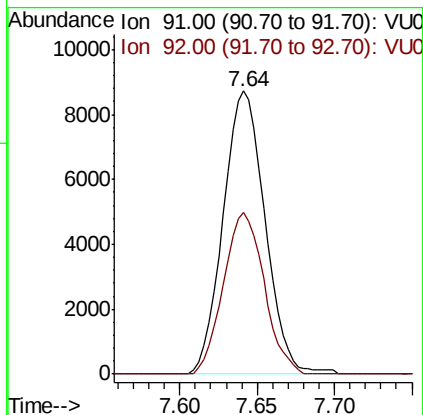
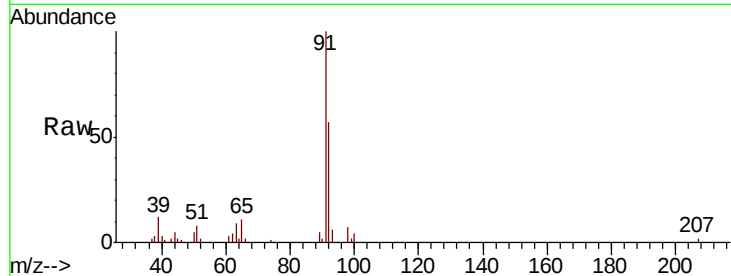
92 57.0 40.0 74.4

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 2.09 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026160.D

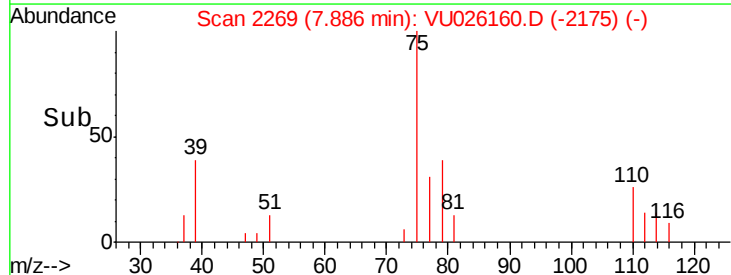
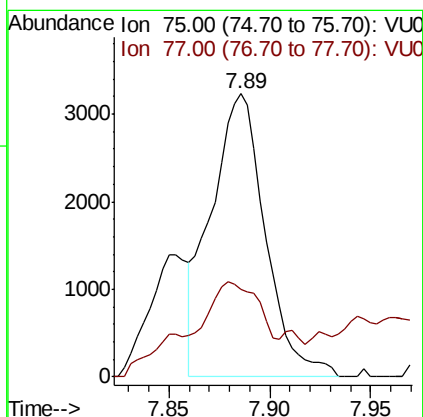
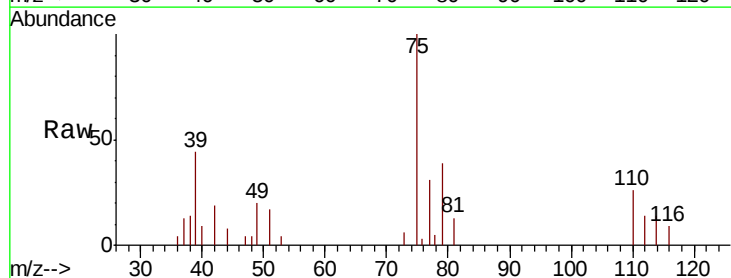
Acq: 15 Aug 2018 20:47

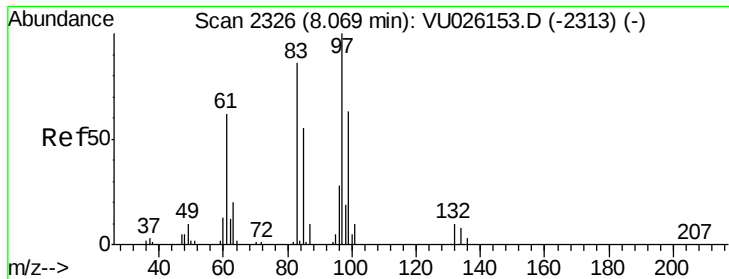
Tgt Ion: 75 Resp: 6083

Ion Ratio Lower Upper

75 100

77 30.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 2.14 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

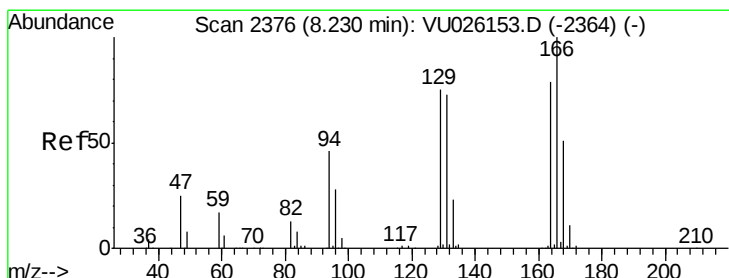
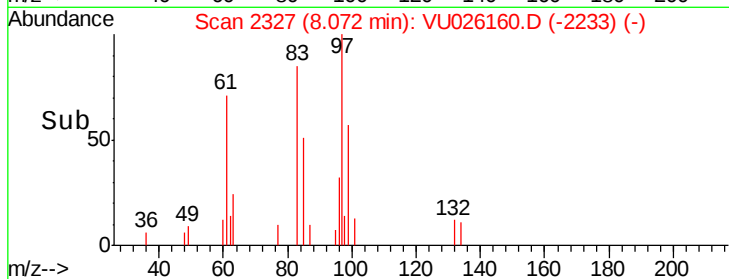
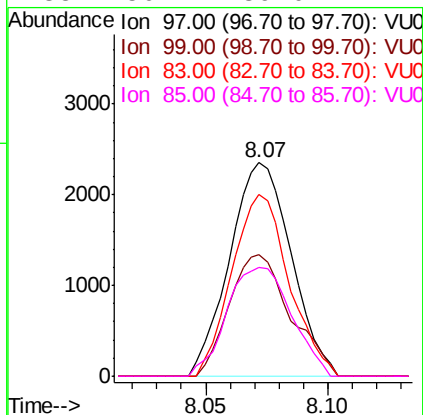
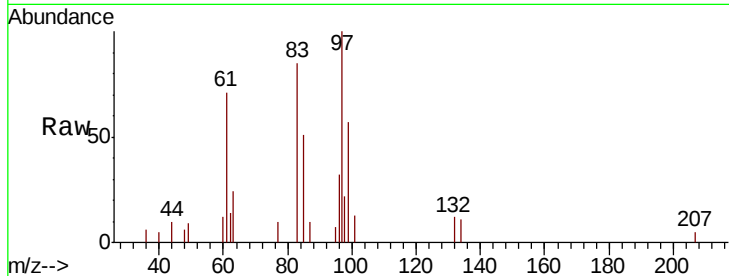
ClientSampleId :

MDL05

Tot Ion:	97	Resp:	4119
Ion	Ratio	Lower	Upper
97	100		
99	56.7	43.3	80.5
83	85.1	58.4	108.6
85	50.7	39.0	72.4

Manual Integrations
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#46

Tetrachloroethene

Concen: 2.12 ug/L

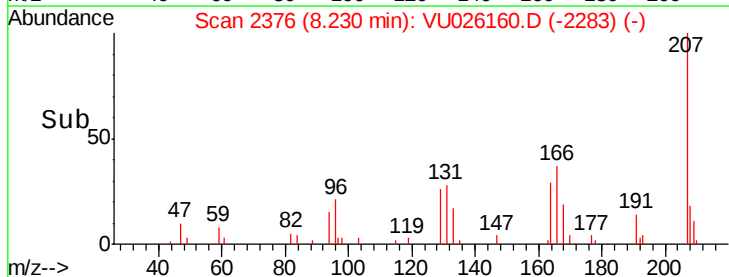
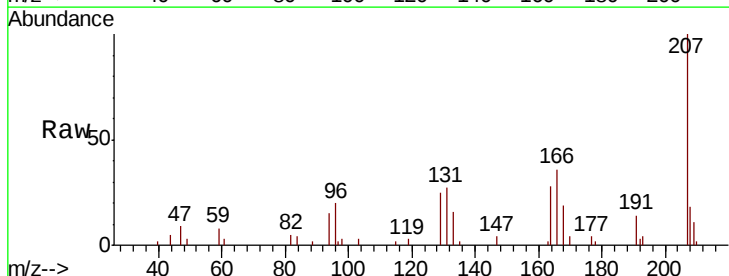
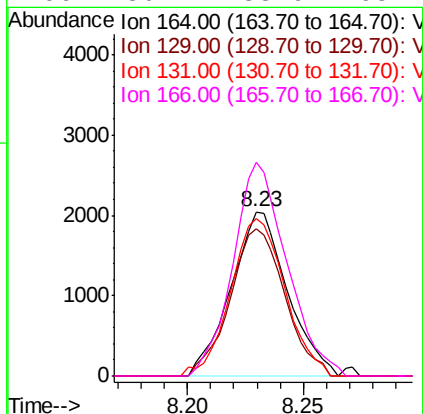
RT: 8.23 min Scan# 2376

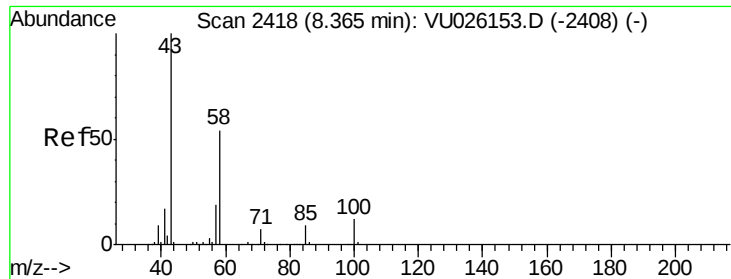
Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion:	164	Resp:	3468
Ion	Ratio	Lower	Upper
164	100		
129	89.4	65.7	121.9
131	96.1	62.0	115.2
166	130.1	88.9	165.1





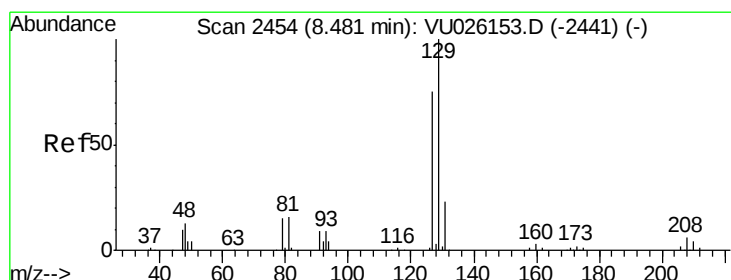
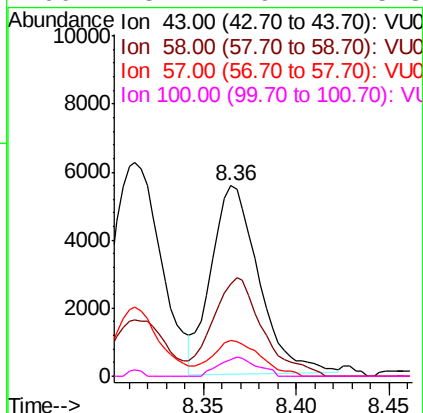
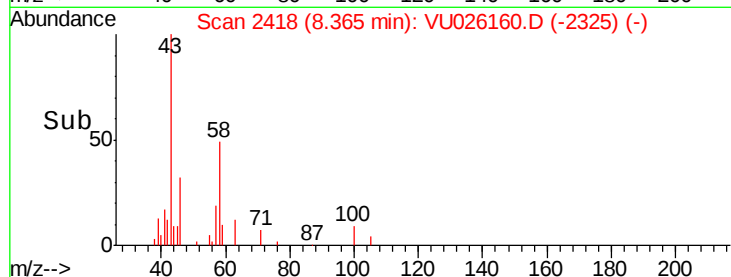
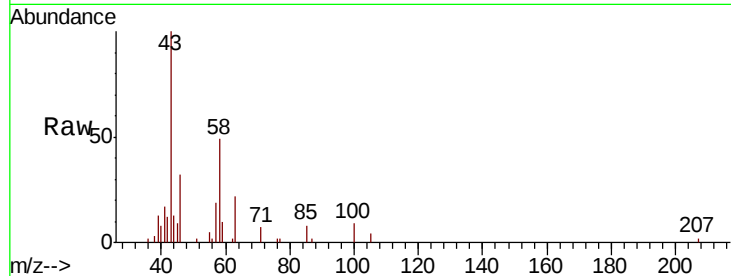
#48
2-Hexanone
Concen: 4.98 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	42.9	64.3
57	19.8	15.1	22.7
100	8.1	9.2	13.8

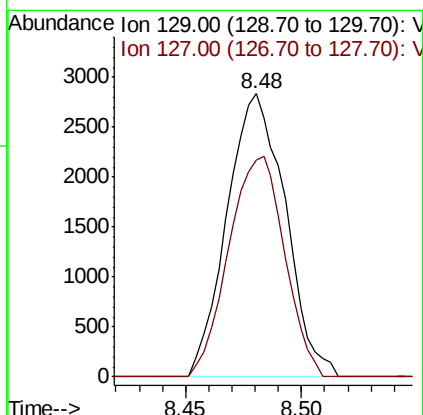
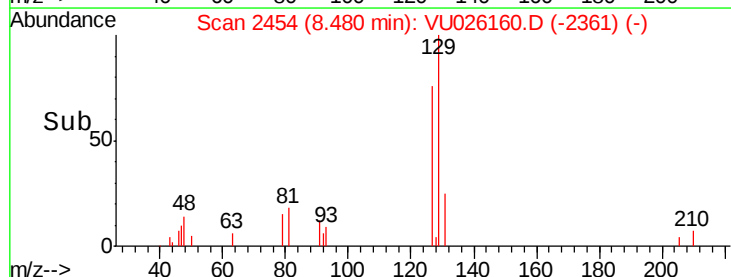
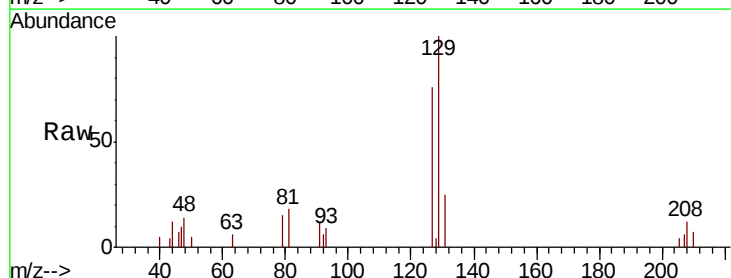
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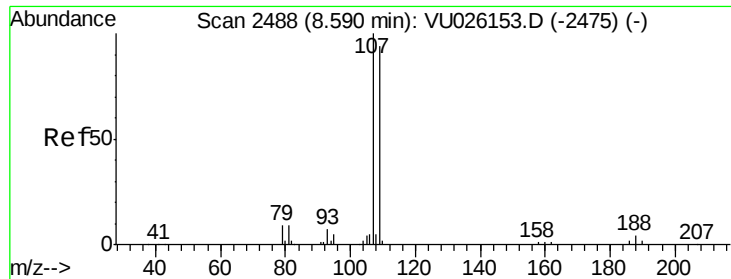
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#49
Dibromochloromethane
Concen: 2.14 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.6	101.4





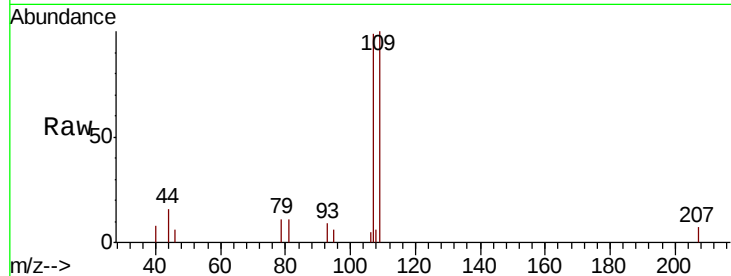
#50
1,2-Dibromoethane
Concen: 2.20 ug/L
RT: 8.59 min Scan# 2489
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
107	100	4398		
109	101.2	66.1	122.7	
188	0.0	3.2	4.8#	

Manual Integrations
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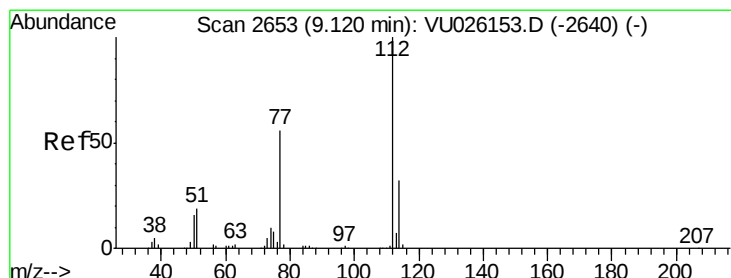
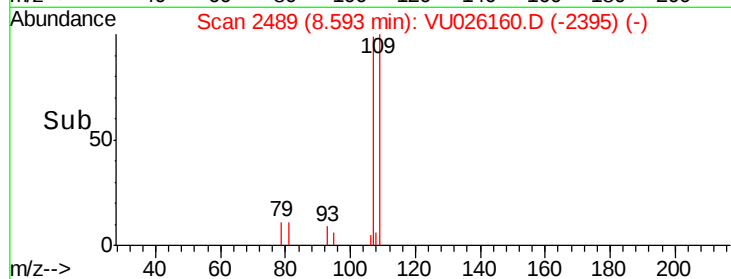
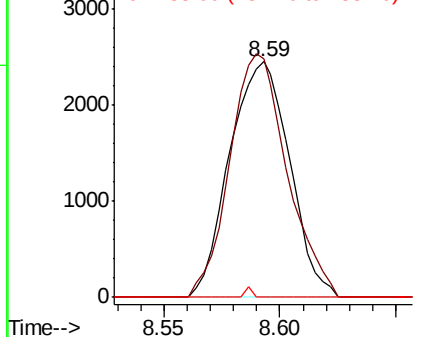


Abundance

Ion 107.00 (106.70 to 107.70): V

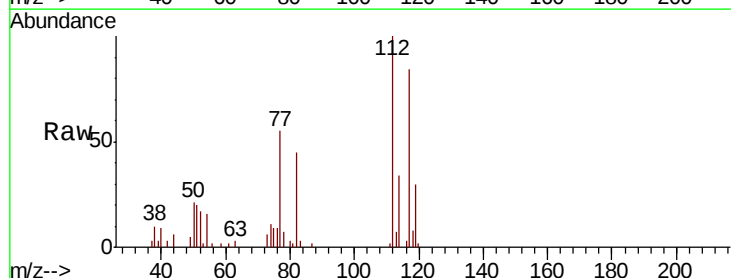
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 2.12 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	11217		
114	33.7	22.5	41.9	
77	54.6	45.0	67.4	

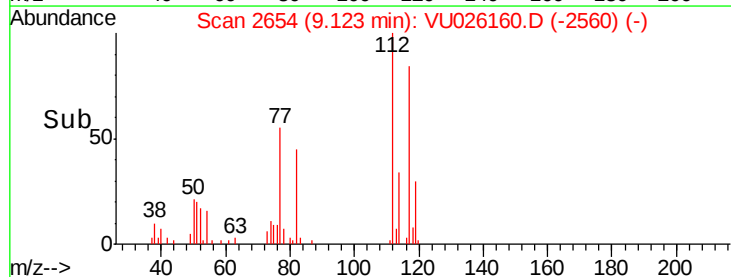
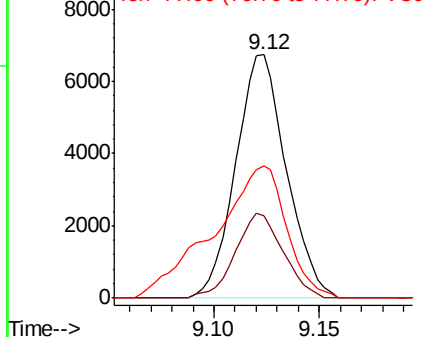


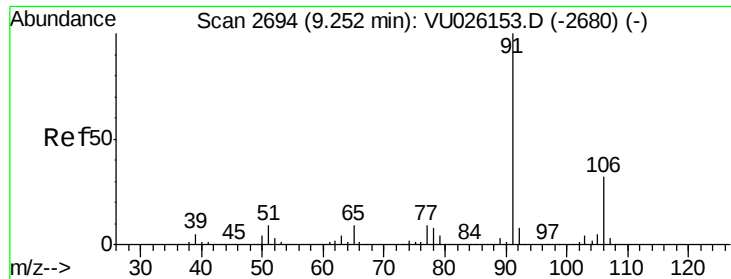
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 1.86 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tot Ion: 91 Resp: 15625

Ion Ratio Lower Upper

91 100

106 27.1 22.3 41.5

Instrument :

MSVOA_U

ClientSampled :

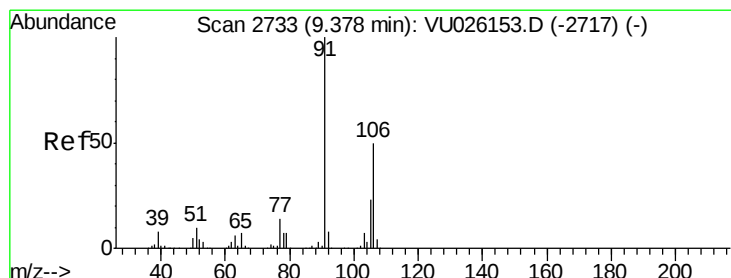
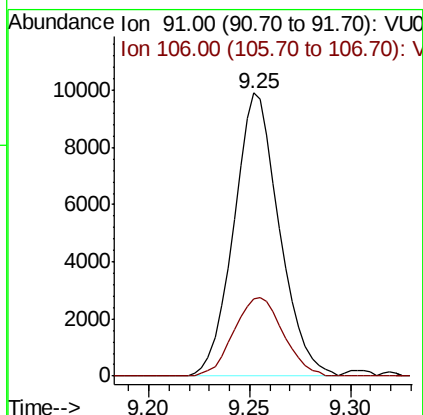
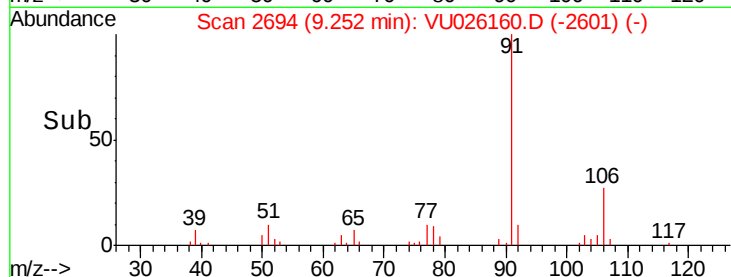
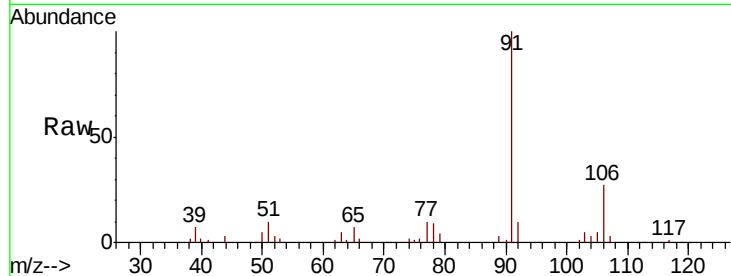
MDL05

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#53

m,p-Xylene

Concen: 1.67 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026160.D

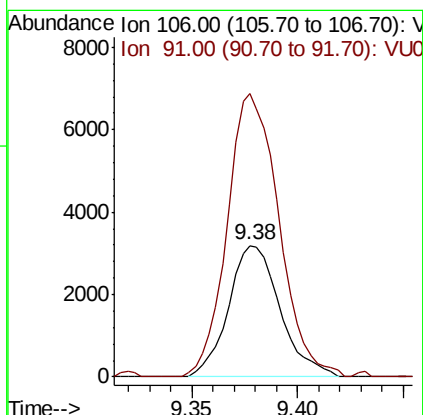
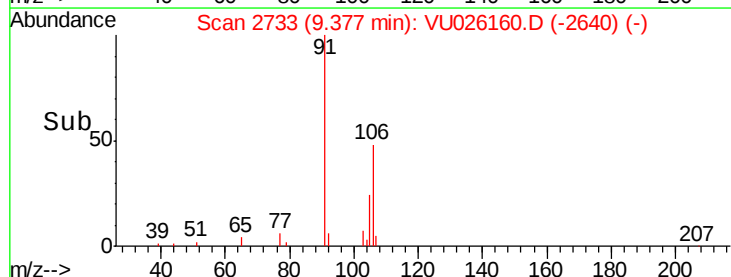
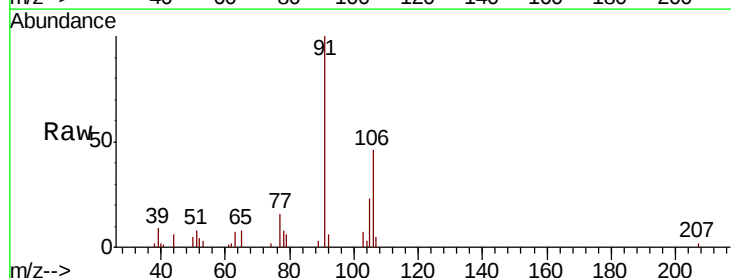
Acq: 15 Aug 2018 20:47

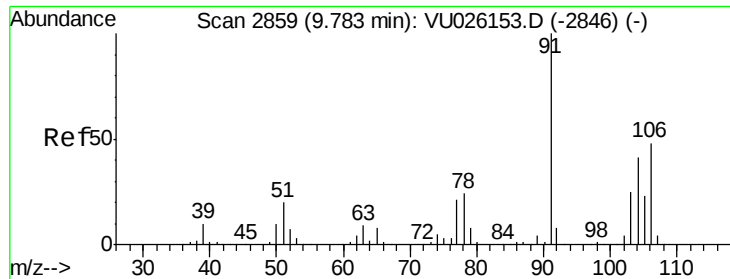
Tgt Ion: 106 Resp: 5403

Ion Ratio Lower Upper

106 100

91 215.8 139.2 258.4





#54

o-xylene

Concen: 1.71 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion:106 Resp: 5538

Ion Ratio Lower Upper

106 100

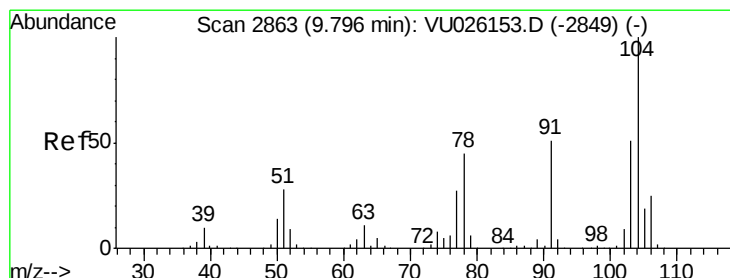
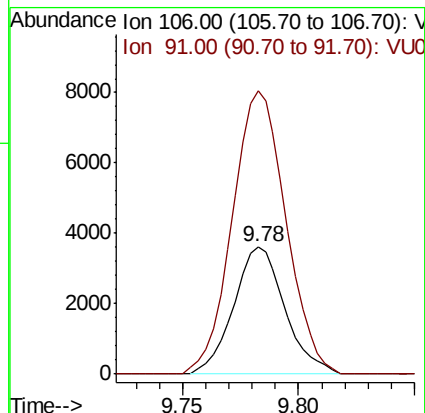
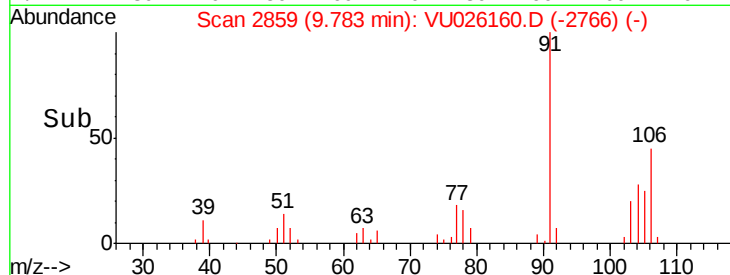
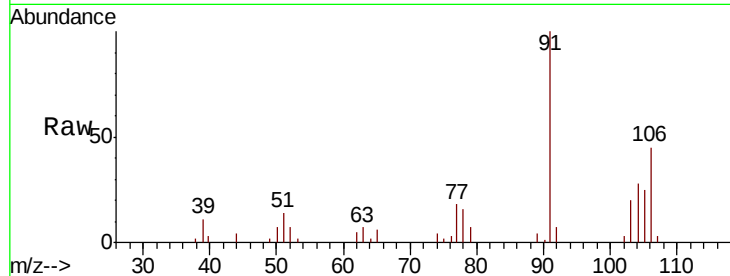
91 222.2 148.0 274.8

Manual Integrations

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#55

Styrene

Concen: 1.59 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU026160.D

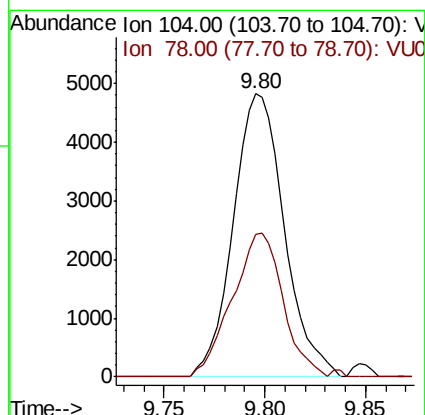
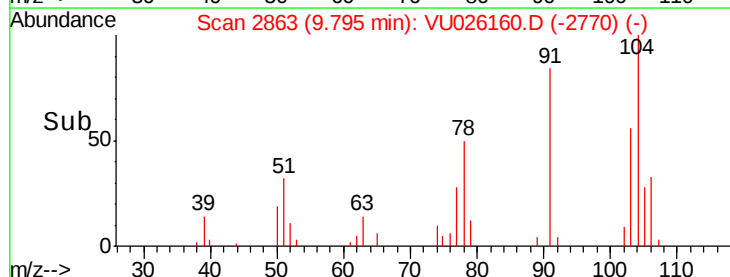
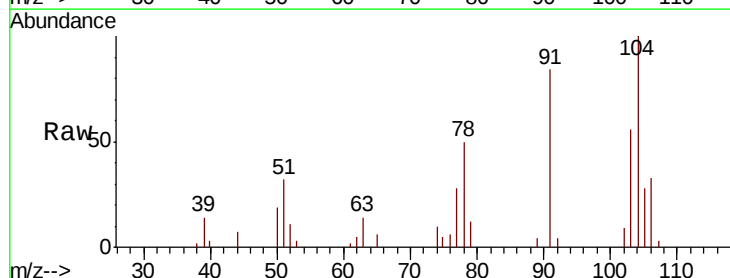
Acq: 15 Aug 2018 20:47

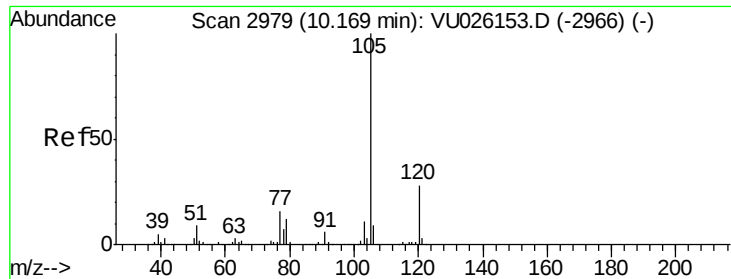
Tgt Ion:104 Resp: 8542

Ion Ratio Lower Upper

104 100

78 50.4 30.9 57.5





#56

Isopropylbenzene

Concen: 1.60 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

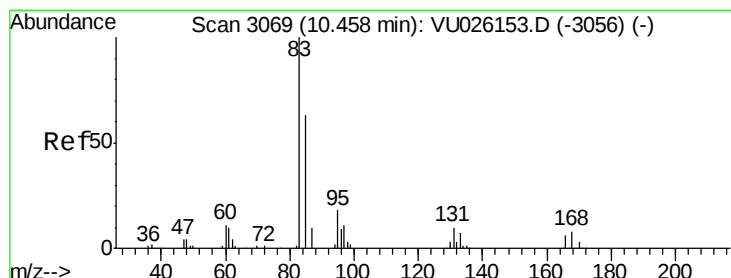
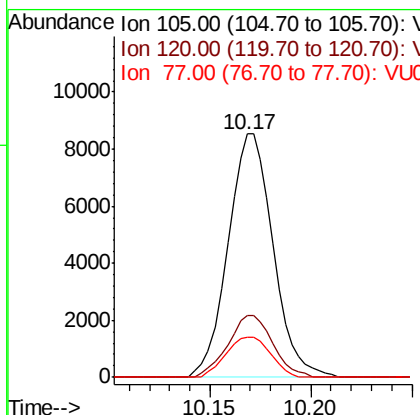
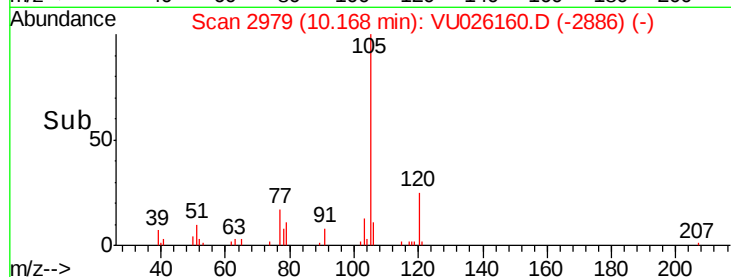
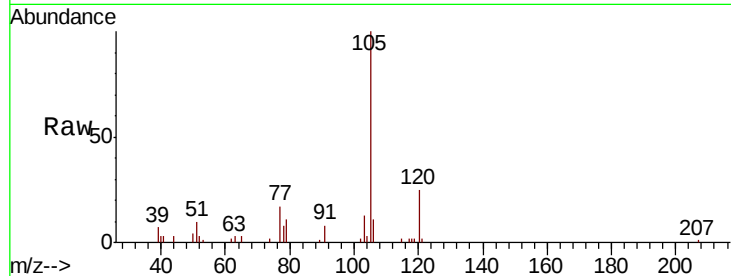
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	13310
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.5	32.3
77	16.4	12.3	18.5

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.33 ug/L

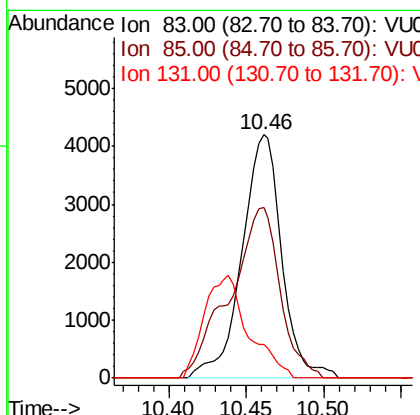
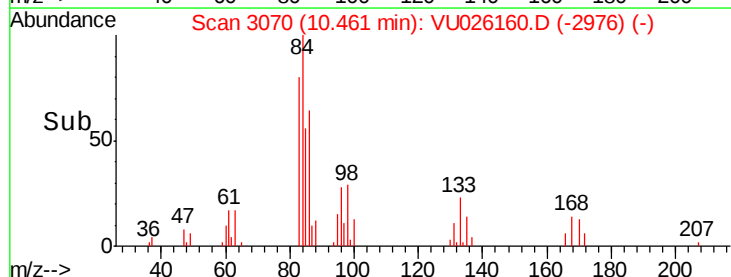
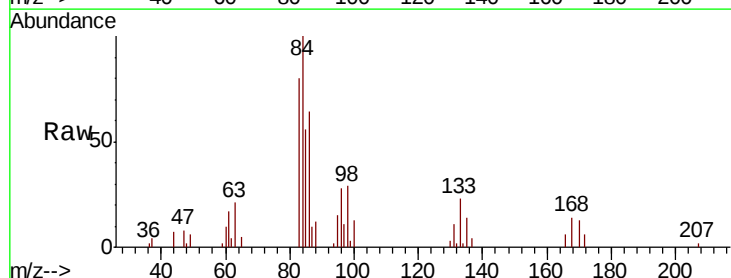
RT: 10.46 min Scan# 3070

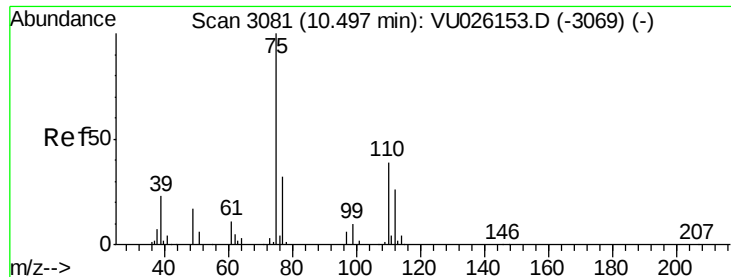
Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion:	83	Resp:	7510
Ion Ratio	Lower	Upper	
83	100		
85	70.1	45.0	83.6
131	13.8	8.4	12.6#





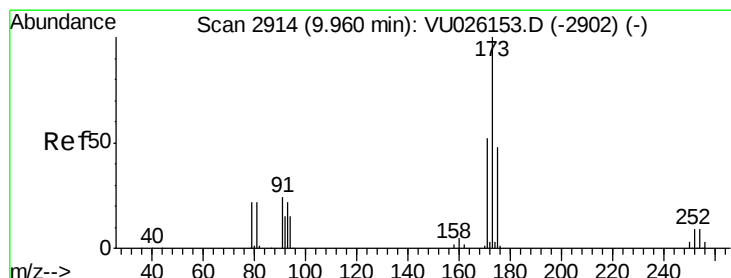
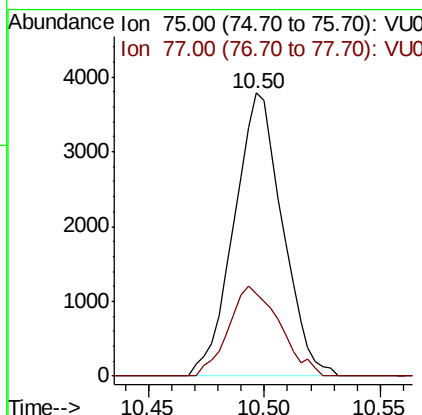
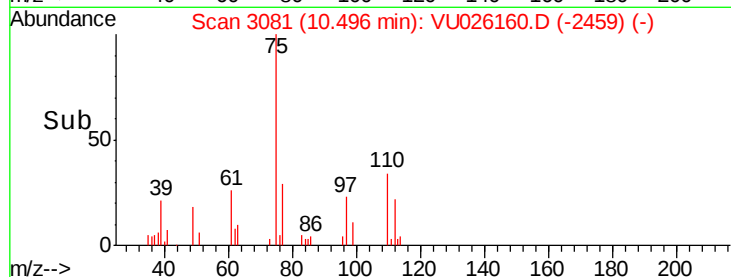
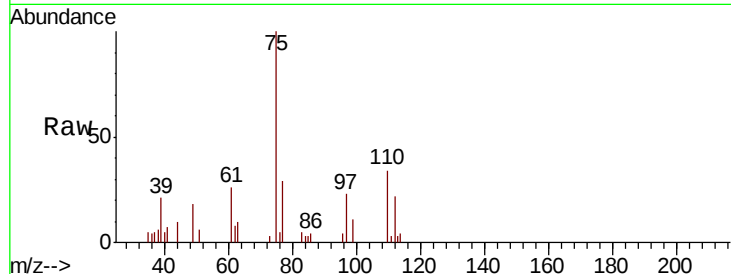
#59
 1,2,3-Trichloropropane
 Concen: 2.20 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 5497
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.1 39.1

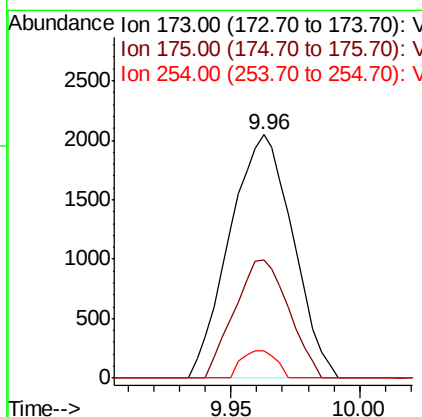
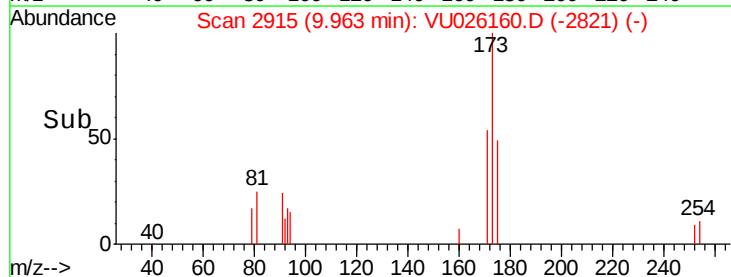
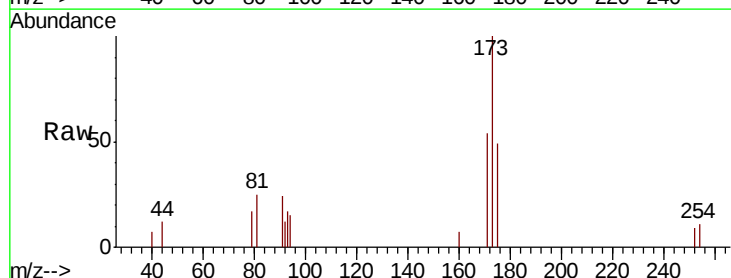
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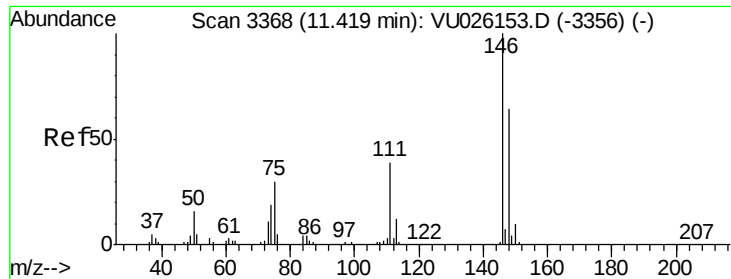
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#61
 Bromoform
 Concen: 2.31 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion: 173 Resp: 3495
 Ion Ratio Lower Upper
 173 100
 175 41.8 38.8 58.2
 254 6.2 7.3 10.9#





#62

1,3-Dichlorobenzene

Concen: 1.99 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

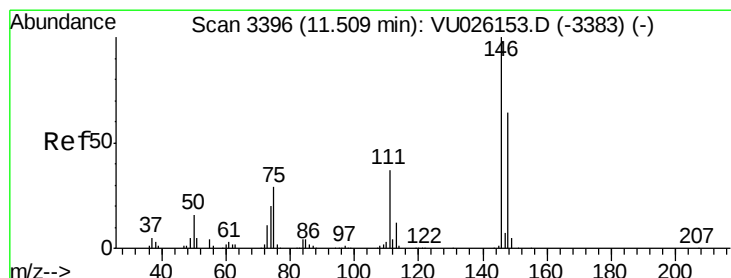
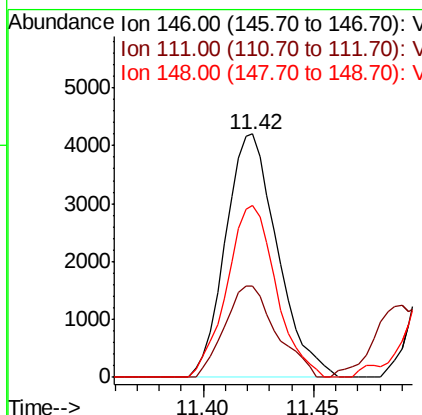
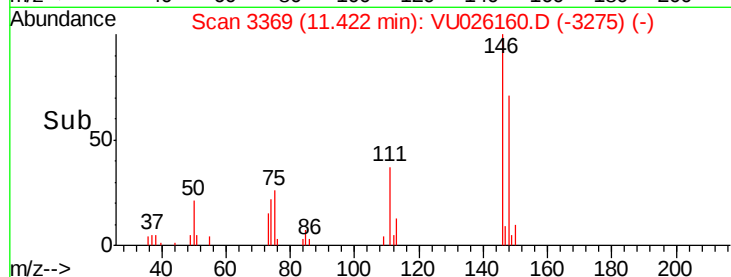
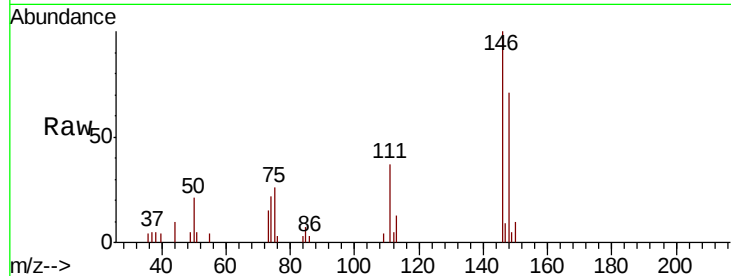
ClientSampleId :

MDL05

Tot Ion:	146	Resp:	6876
Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.7	49.7
148	70.7	44.1	81.9

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#63

1,4-Dichlorobenzene

Concen: 2.16 ug/L

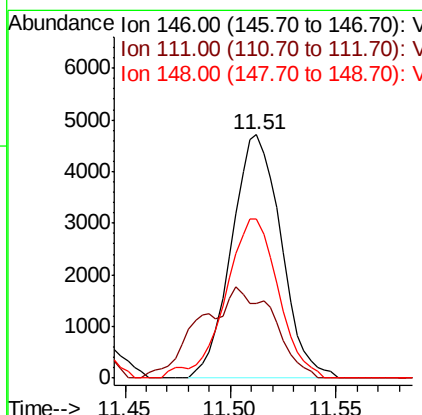
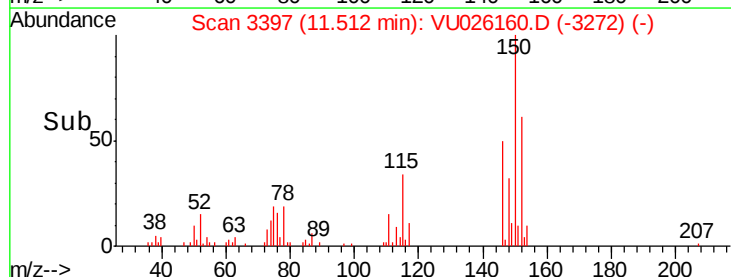
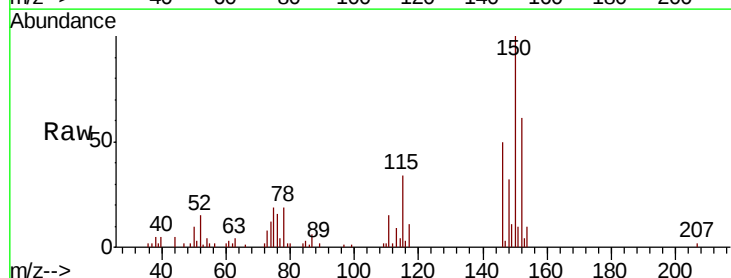
RT: 11.51 min Scan# 3397

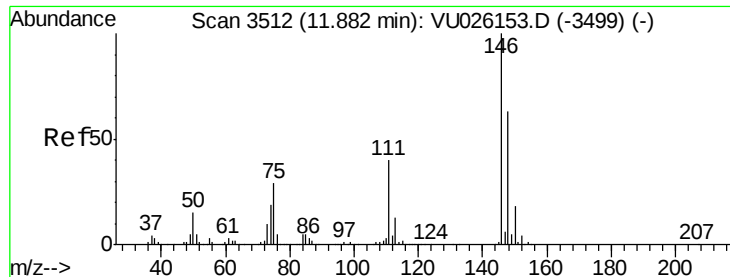
Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Tgt Ion:	146	Resp:	7699
Ion	Ratio	Lower	Upper
146	100		
111	30.9	27.5	51.1
148	65.3	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 2.24 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU026160.D

Acq: 15 Aug 2018 20:47

Instrument :

MSVOA_U

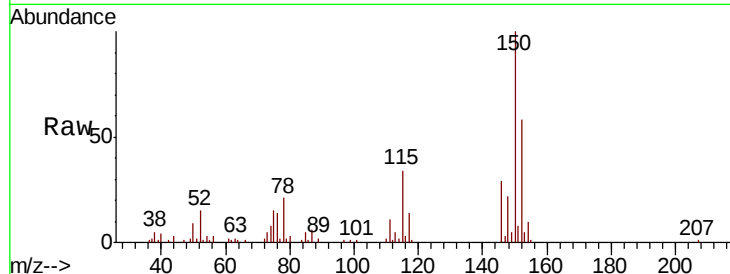
ClientSampled :

MDL05

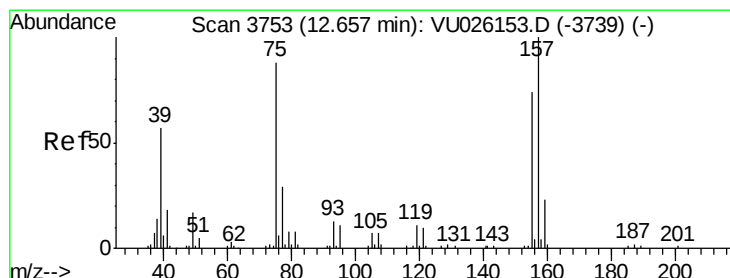
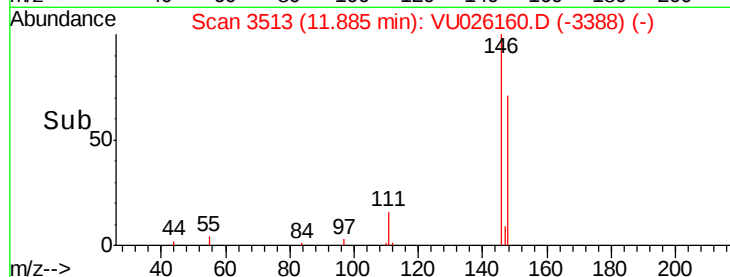
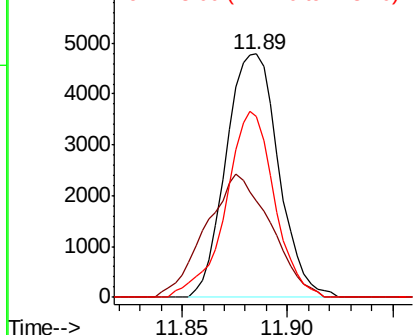
Tot Ion:	146	Resp:	8267
Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.7	49.1
148	74.1	51.4	77.2

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.36 ug/L

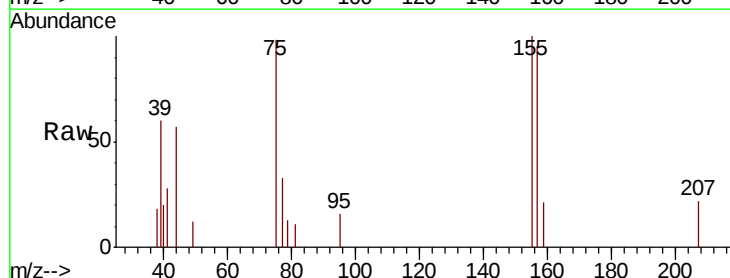
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

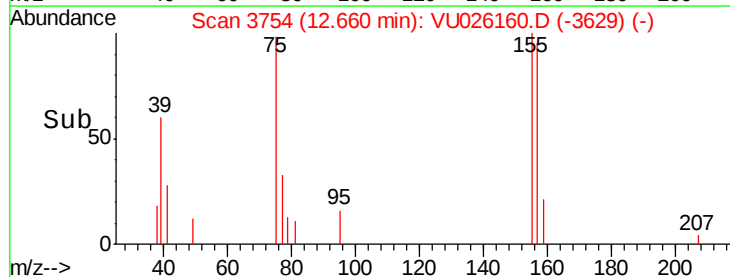
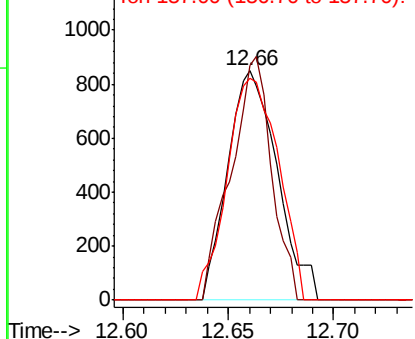
Lab File: VU026160.D

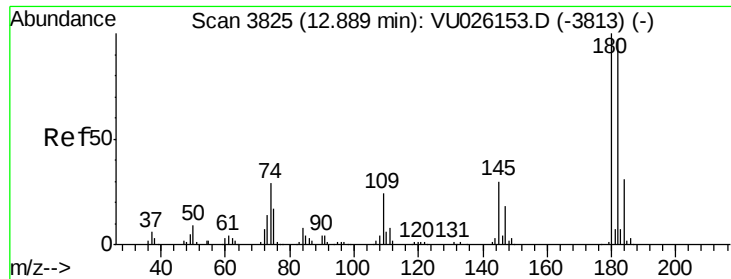
Acq: 15 Aug 2018 20:47

Tgt Ion:	75	Resp:	1385
Ion	Ratio	Lower	Upper
75	100		
155	102.5	68.2	102.2#
157	97.1	90.5	135.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





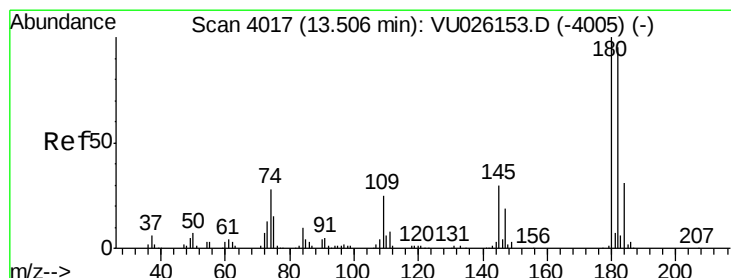
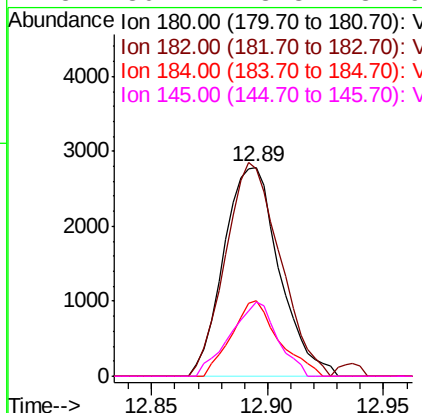
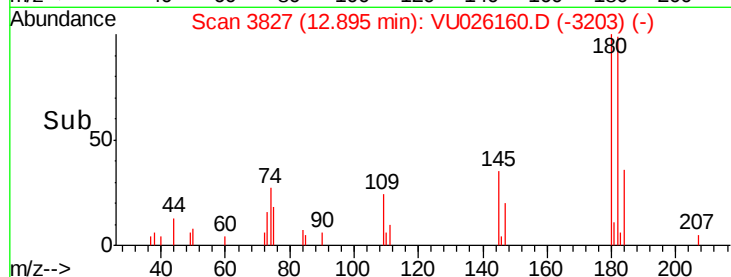
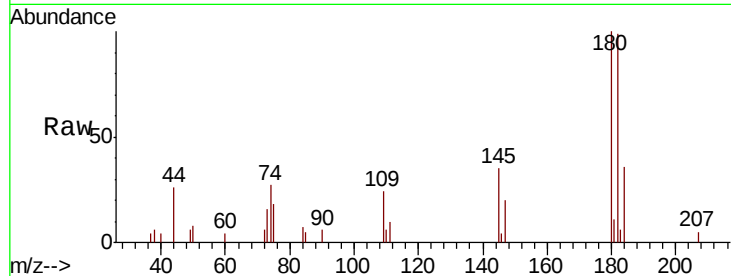
#67
 1,3,5-Trichlorobenzene
 Concen: 1.82 ug/L
 RT: 12.89 min Scan# 3827
 Delta R.T. 0.01 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.3	75.6	113.4
184	30.7	24.3	36.5
145	30.1	23.3	34.9

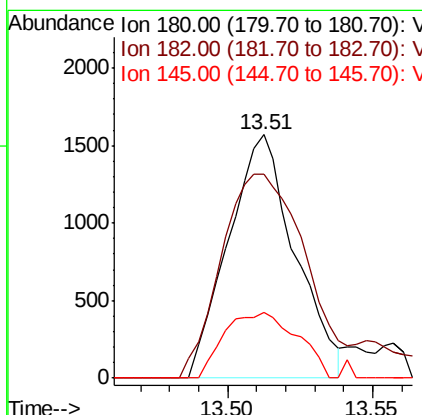
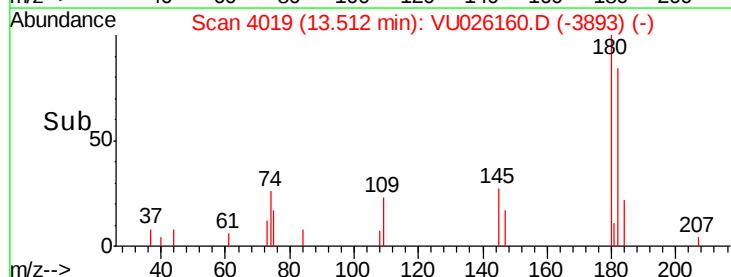
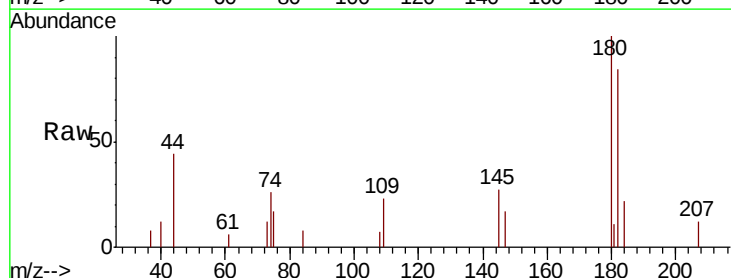
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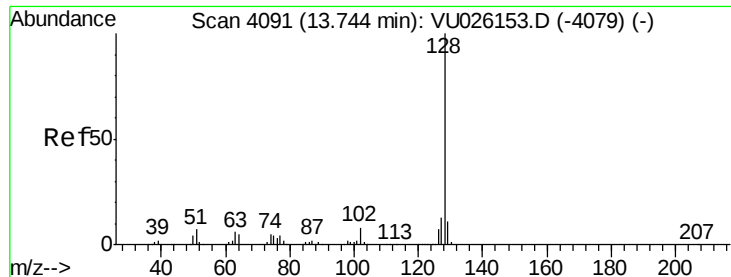
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#68
 1,2,4-trichlorobenzene
 Concen: 1.29 ug/L
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU026160.D
 Acq: 15 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.6	76.8	115.2
145	0.0	23.8	35.6#





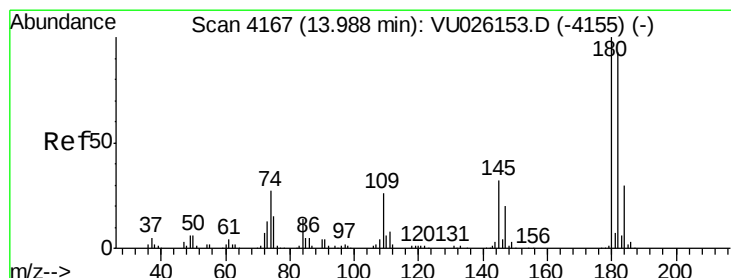
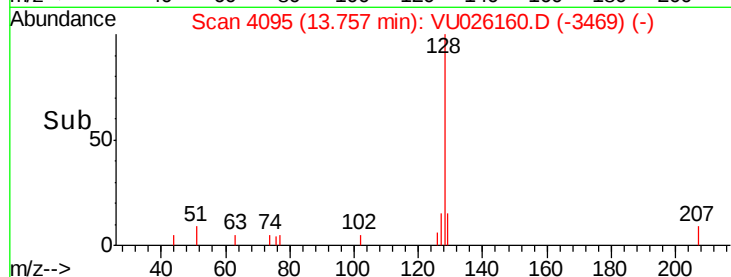
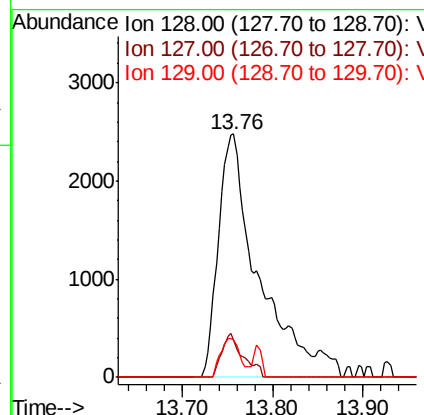
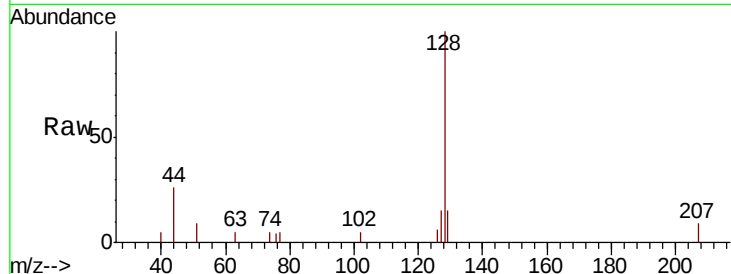
#69
Naphthalene
Concen: 1.40 ug/L m
RT: 13.76 min Scan# 4095
Delta R.T. 0.01 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.5	10.3	15.5#
129	8.0	8.6	13.0#

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#70
1,2,3-Trichlorobenzene
Concen: 1.60 ug/L m
RT: 13.99 min Scan# 4169
Delta R.T. 0.01 min
Lab File: VU026160.D
Acq: 15 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	75.8	77.1	115.7#
145	19.7	25.1	37.7#

