

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080318\
 Data File : VU025814.D
 Acq On : 03 Aug 2018 12:50
 Operator : MD/SY
 Sample : VU0803WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Aug 04 05:39:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

8/6/2018 5:38:52 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	32537	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	12212	1.01	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12396	0.93	ug/l	0.00
Spiked Amount	1.000		Recovery	=	93.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	23146	1.99	ug/l	97
3) Chloromethane	1.33	50	21442	1.95	ug/l	100
4) Vinyl Chloride	1.40	62	20552	2.02	ug/l	100
5) Bromomethane	1.63	94	10945	2.21	ug/l	99
6) Chloroethane	1.70	64	12302	2.02	ug/l	99
7) Trichlorofluoromethane	1.89	101	31853	2.15	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17251	2.12	ug/l	97
9) 1,1-Dichloroethene	2.29	96	14732	2.05	ug/l	97
10) Iodomethane	2.41	142	8063	1.89	ug/l	96
11) Allyl Chloride	2.59	41	25067	2.09	ug/l	84
12) Acrylonitrile	2.94	53	6324	4.00	ug/l	98
13) Acetone	2.33	43	14060	10.22	ug/l	98
14) Carbon Disulfide	2.48	76	50058	2.04	ug/l	99
15) Methylene Chloride	2.70	84	18502	2.16	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	16951	2.11	ug/l	95
17) 1,1-Dichloroethane	3.45	63	30419	1.91	ug/l	97
18) 2-Butanone	4.29	43	23683	9.92	ug/l	99
19) Cyclohexane	5.00	56	23617	1.92	ug/l	87
20) Methylcyclohexane	6.42	83	28214	1.87	ug/l	94
21) 2,2-Dichloropropane	4.23	77	33141	2.18	ug/l	98
22) cis-1,2-Dichloroethene	4.23	96	20805	2.05	ug/l	95
23) Diethyl Ether	2.10	59	11272	2.07	ug/l	97
24) tert-Butyl Alcohol	2.86	59	14846	23.26	ug/l #	83
25) Methyl tert-Butyl Ether	3.01	73	38419	1.98	ug/l #	88
26) Bromochloromethane	4.55	128	8864	1.99	ug/l	85
27) Chloroform	4.68	83	36857	2.10	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	32790	2.07	ug/l	98
29) 1,1-Dichloropropene	5.13	75	25870	2.00	ug/l	96
30) Carbon Tetrachloride	5.13	117	28657	2.00	ug/l	99
31) Isopropyl Ether	3.58	45	52985	2.07	ug/l	92
32) Ethyl-t-butyl ether	4.08	59	48438	1.99	ug/l	92
33) Tert-Amyl methyl ether	5.59	73	41357	1.93	ug/l	99
34) Propionitrile	4.35	54	6846	10.32	ug/l #	94
35) Benzene	5.39	78	75713	2.09	ug/l	98
36) 1,2-Dichloroethane	5.41	62	22936	2.06	ug/l	98
37) Trichloroethene	6.19	130	21768	2.04	ug/l	100
38) 1,2-Dichloropropane	6.44	63	19057	2.03	ug/l	100
39) Methacrylonitrile	4.56	41	5993	1.96	ug/l	94
40) Methyl acrylate	4.43	55	9389	2.04	ug/l #	97
41) Tetrahydrofuran	4.65	42	6230	3.45	ug/l	90
42) 1-Chlorobutane	5.07	56	35359	2.00	ug/l	98

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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	9689	1.97	ug/l	96
44) Bromodichloromethane	6.76	83	25483	2.05	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	50669	9.25	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	6332m	4.01	ug/l	
47) Methyl methacrylate	6.63	69	15011	3.66	ug/l #	94
48) Ethyl methacrylate	8.02	69	14625	1.77	ug/l	95
49) Toluene	7.64	92	44053	1.99	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	21923	1.95	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	27362	2.03	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	12693	1.93	ug/l	96
53) 1,3-Dichloropropane	8.25	76	22297	2.01	ug/l	100
54) 2-Hexanone	8.37	43	36078	9.33	ug/l	97
55) Dibromochloromethane	8.48	129	17085	2.04	ug/l	98
56) 1,2-Dibromoethane	8.59	107	12970	2.04	ug/l	99
58) Tetrachloroethene	8.23	164	19765	2.06	ug/l	94
59) Chlorobenzene	9.12	112	50537	1.98	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	19001	2.01	ug/l	97
61) Pentachloroethane	11.10	117	14489	2.01	ug/l	98
62) Hexachloroethane	12.15	117	14176	1.92	ug/l	99
63) Ethyl Benzene	9.25	91	81309	1.92	ug/l	97
64) m/p-Xylenes	9.38	106	63953	3.84	ug/l	99
65) o-Xylene	9.78	106	30357	1.91	ug/l	99
66) Styrene	9.80	104	50074	1.86	ug/l	98
67) Bromoform	9.96	173	9531	1.93	ug/l #	94
69) Isopropylbenzene	10.17	105	82266	1.92	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	16103	1.95	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	10938	1.70	ug/l #	93
72) Bromobenzene	10.45	156	22104	1.99	ug/l	94
73) n-propylbenzene	10.59	120	22744	1.88	ug/l	98
74) 2-Chlorotoluene	10.66	126	20212	1.90	ug/l	96
75) 1,3,5-Trimethylbenzene	10.78	105	72060	1.92	ug/l	97
76) 4-Chlorotoluene	10.78	126	22072	1.97	ug/l	95
77) tert-Butylbenzene	11.10	119	69259	1.88	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	73768	1.93	ug/l	100
79) sec-Butylbenzene	11.33	105	94064	1.94	ug/l	99
80) Nitrobenzene	12.88	77	2231	8.86	ug/l #	89
81) p-Isopropyltoluene	11.48	119	78808	1.92	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	44837	1.96	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	45006	2.02	ug/l	99
84) n-Butylbenzene	11.89	91	69882	1.81	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	41782	2.00	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2755	2.02	ug/l	97
87) 1,2,4-Trichlorobenzene	13.51	180	27655	1.90	ug/l	96
88) Hexachlorobutadiene	13.70	225	16681	1.86	ug/l	100
89) Naphthalene	13.75	128	40143	1.70	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	24686	1.86	ug/l	98

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

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 ALS Vial : 4 Sample Multiplier: 1

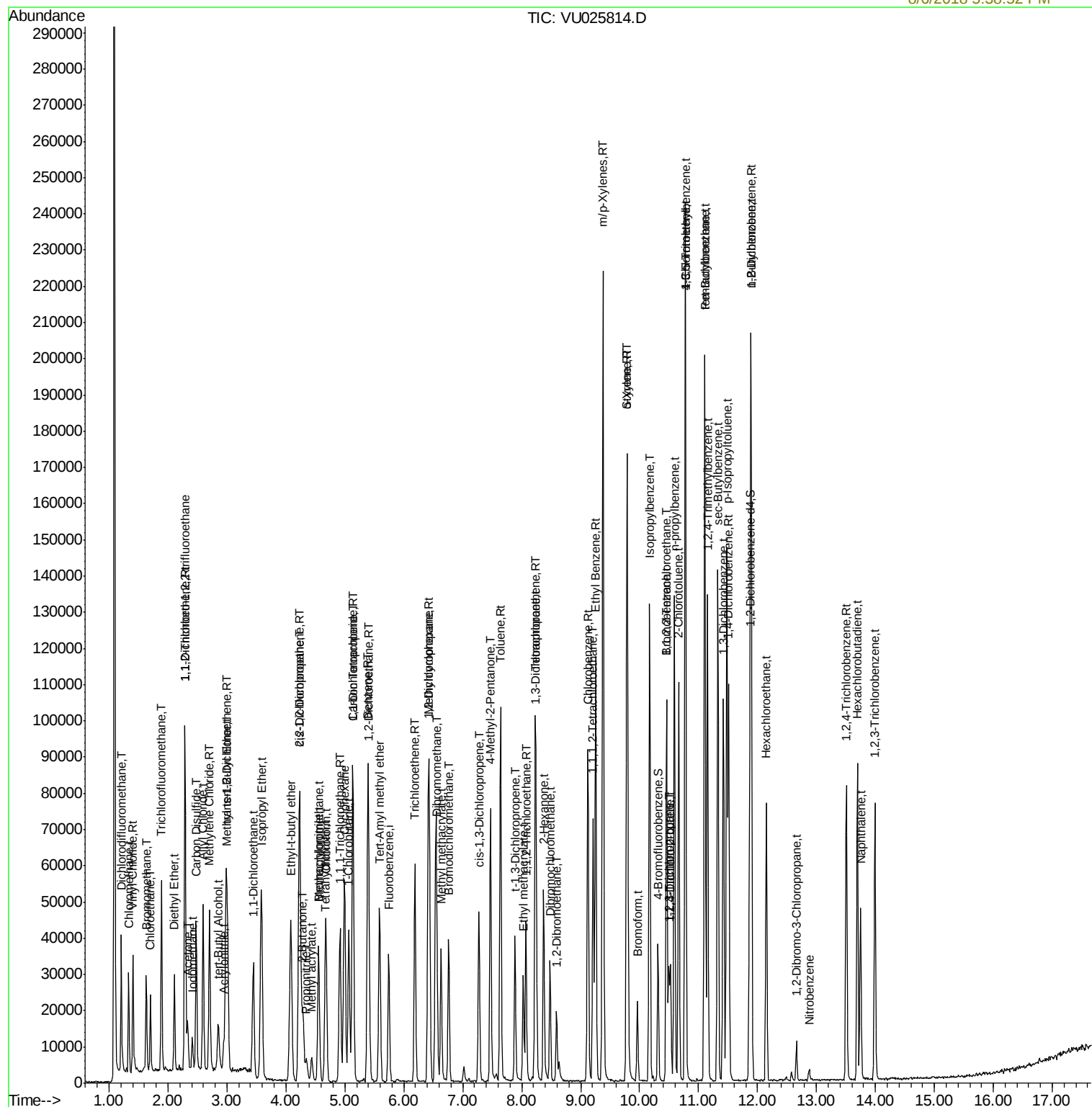
Instrument :
 MSVOA_U
 ClientSampleID :
 VU0803WBS01

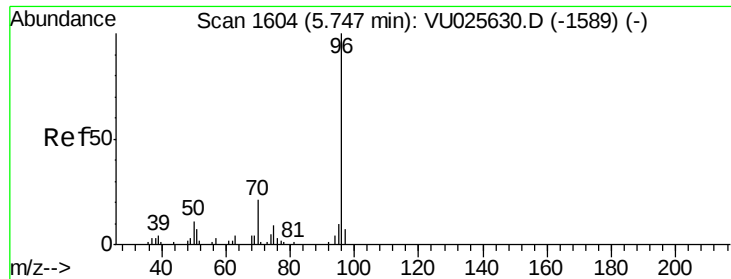
Manual Integrations
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#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

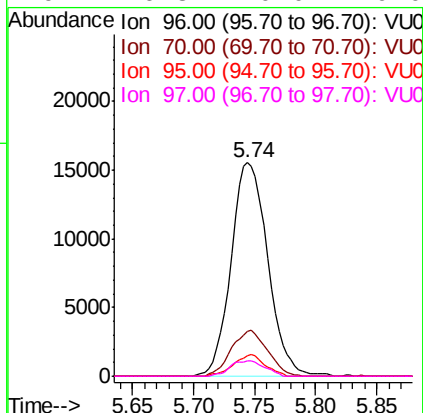
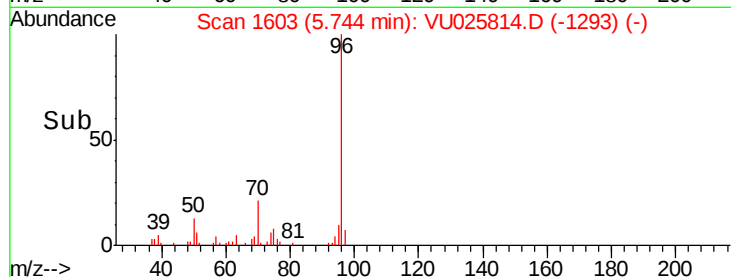
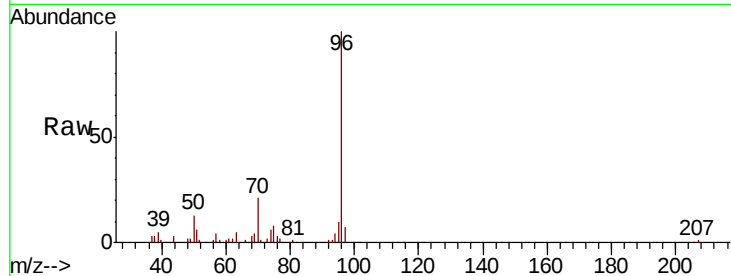
ClientSampleId :

VU0803WBS01

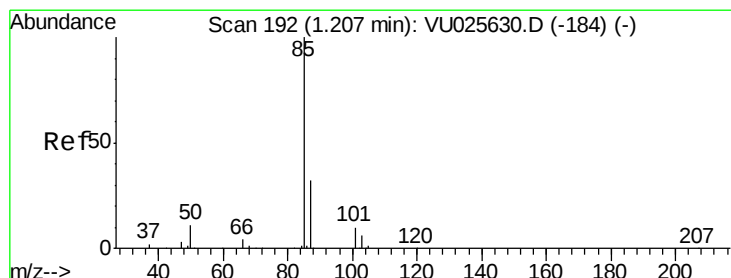
Tot Ion:	96	Resp:	32537
Ion	Ratio	Lower	Upper
96	100		
70	21.1	16.2	24.4
95	8.8	6.9	10.3
97	6.8	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.99 ug/l

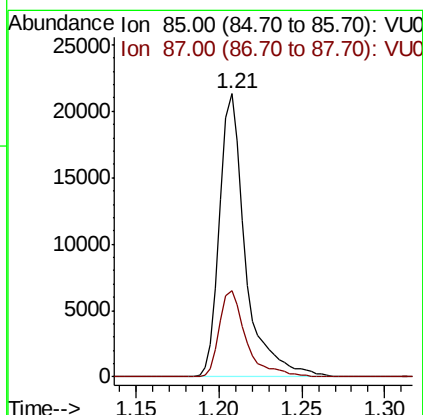
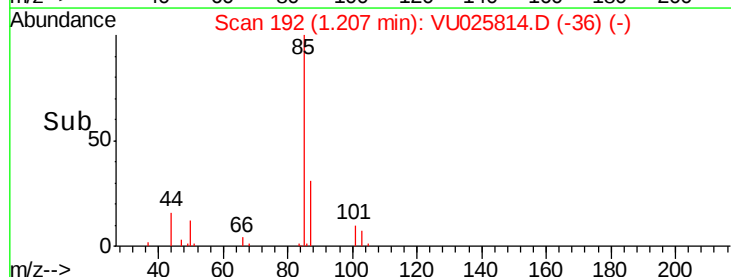
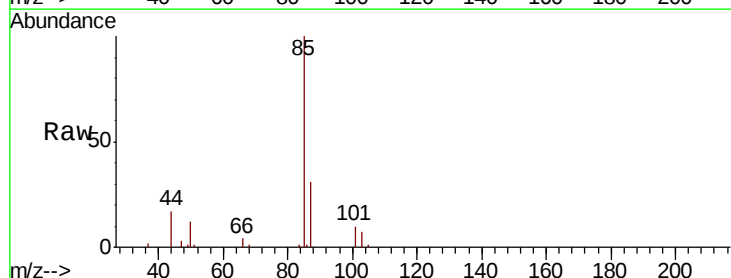
RT: 1.21 min Scan# 192

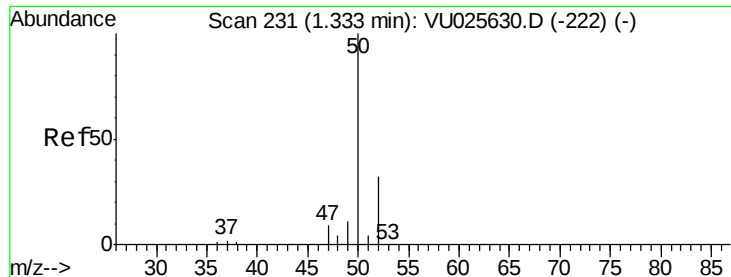
Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Tgt Ion:	85	Resp:	23146
Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.2	48.5





#3

Chloromethane

Concen: 1.95 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 50 Resp: 21442

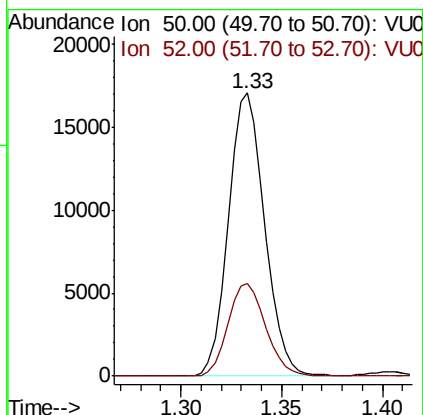
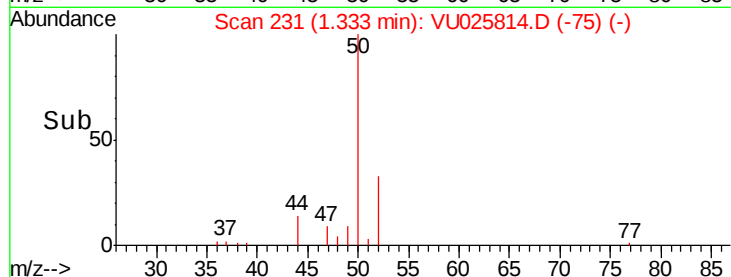
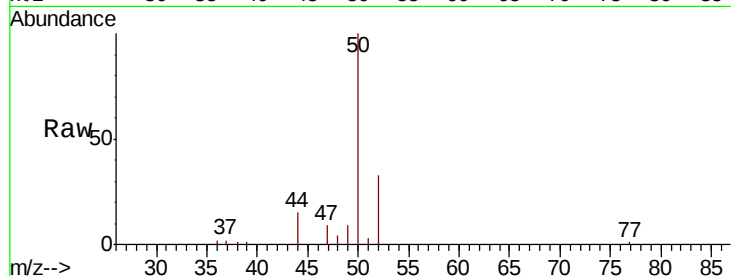
Ion Ratio Lower Upper

50 100

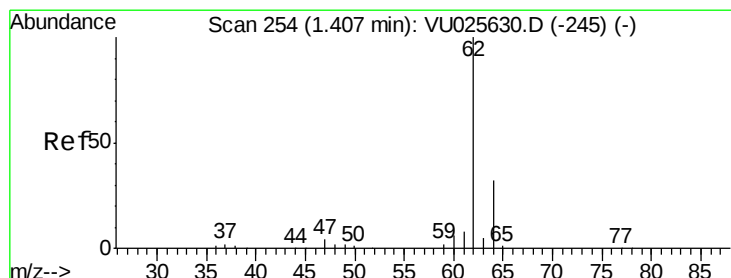
52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 2.02 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025814.D

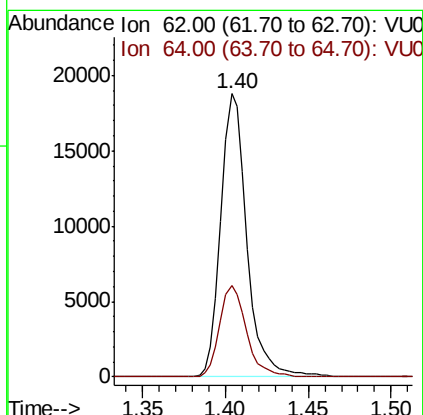
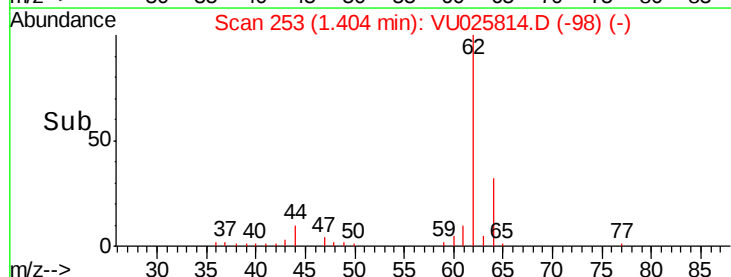
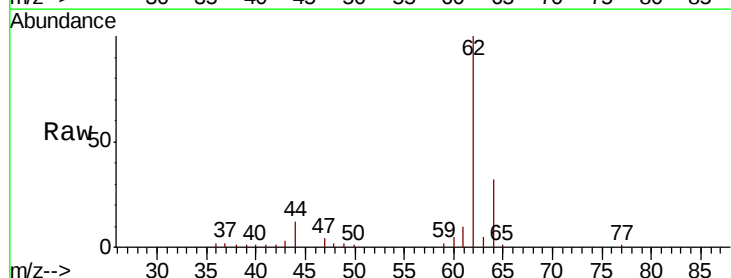
Acq: 03 Aug 2018 12:50

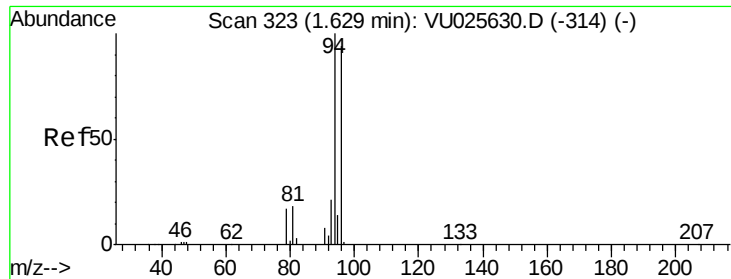
Tgt Ion: 62 Resp: 20552

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 2.21 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 94 Resp: 10945

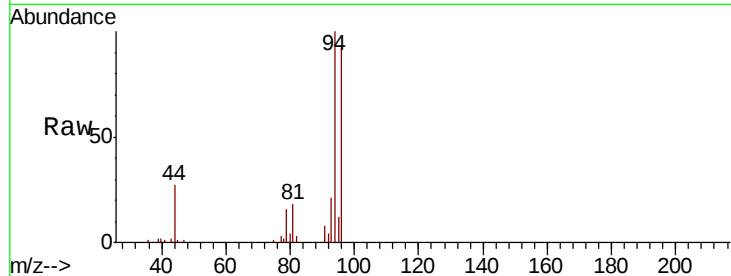
Ion Ratio Lower Upper

94 100

96 92.6 75.1 112.7

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Abundance Ion 94.00 (93.70 to 94.70): VU025630.D (-314) (-)

Ion 96.00 (95.70 to 96.70): VU025630.D (-314) (-)

1.63

10000

8000

6000

4000

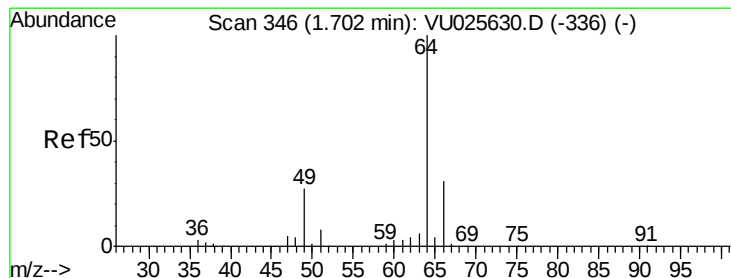
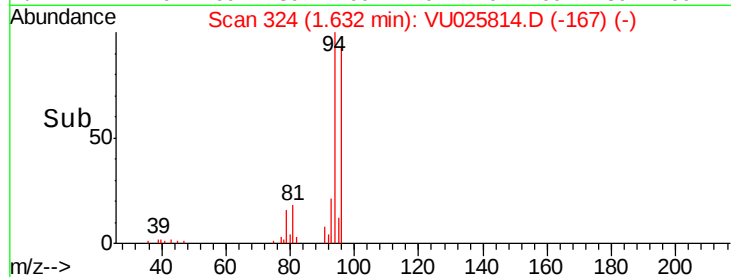
2000

0

Time-->

1.60 1.65

1.63



#6

Chloroethane

Concen: 2.02 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025814.D

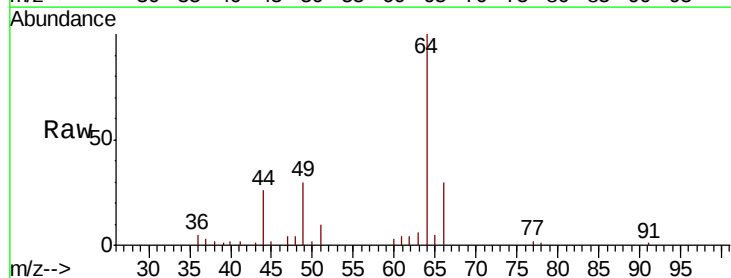
Acq: 03 Aug 2018 12:50

Tgt Ion: 64 Resp: 12302

Ion Ratio Lower Upper

64 100

66 30.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU025630.D (-336) (-)

Ion 66.00 (65.70 to 66.70): VU025630.D (-336) (-)

1.70

10000

8000

6000

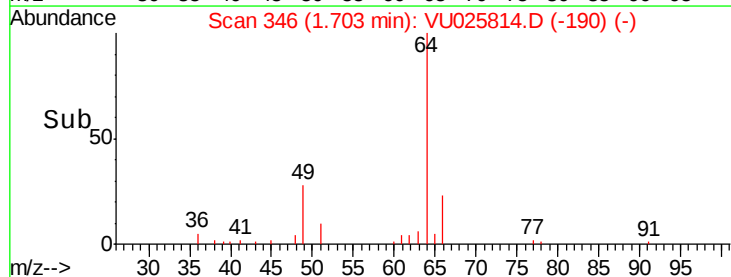
4000

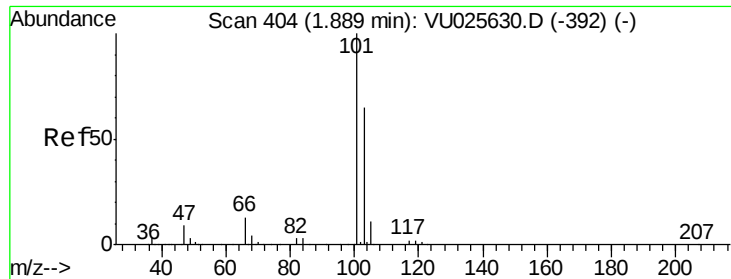
2000

0

Time-->

1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 2.15 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion:101 Resp: 31853

Ion Ratio Lower Upper

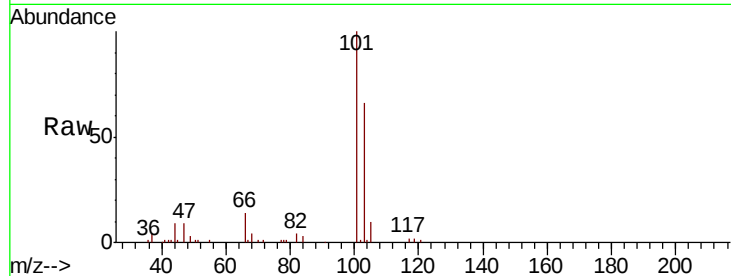
101 100

103 66.3 51.4 77.0

Manual Integrations

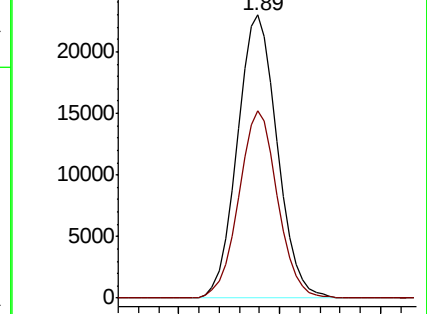
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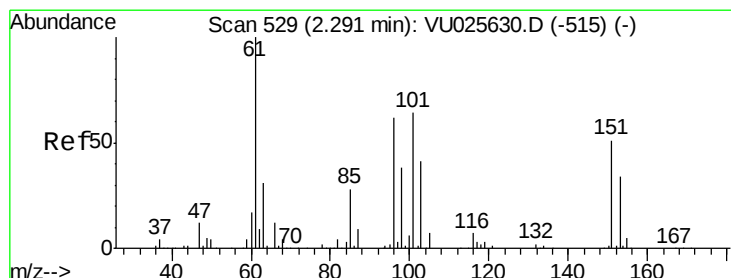
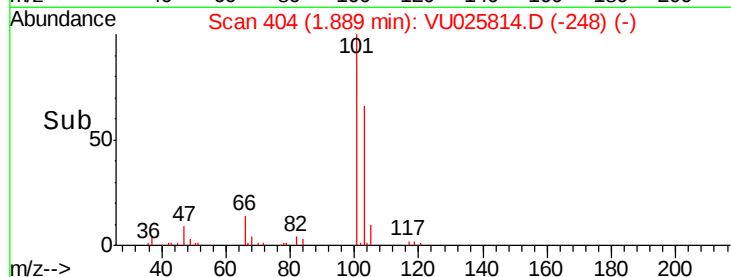


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



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#8

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

Concen: 2.12 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

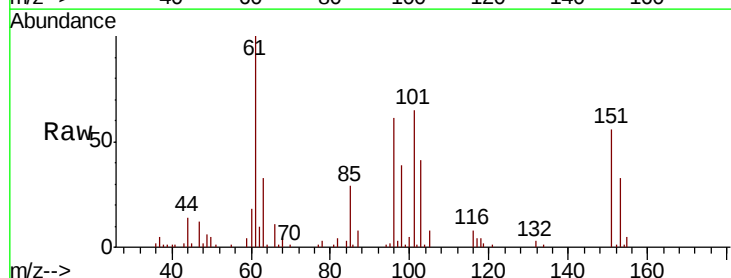
Tgt Ion:101 Resp: 17251

Ion Ratio Lower Upper

101 100

85 45.7 35.2 52.8

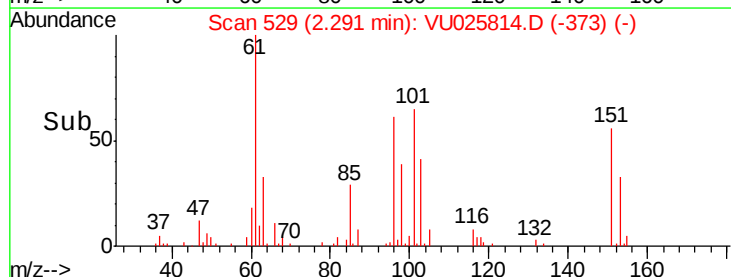
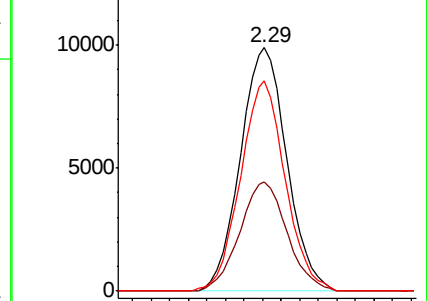
151 82.9 63.5 95.3

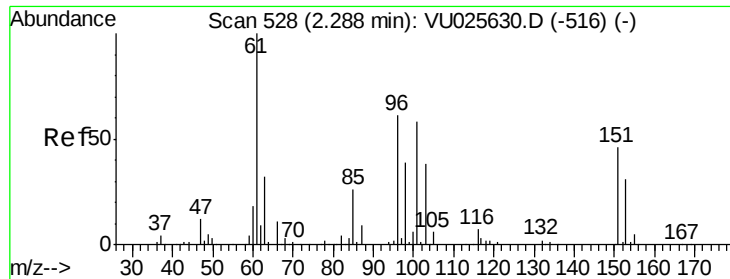


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





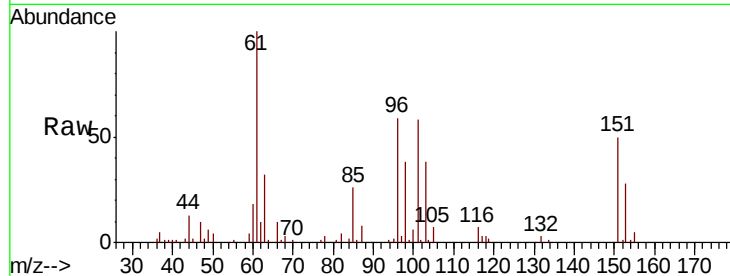
#9
 1,1-Dichloroethene
 Concen: 2.05 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025814.D
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Instrument :
 MSVOA_U
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 VU0803WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.8	0.0	526.5
98	64.7	0.0	123.4

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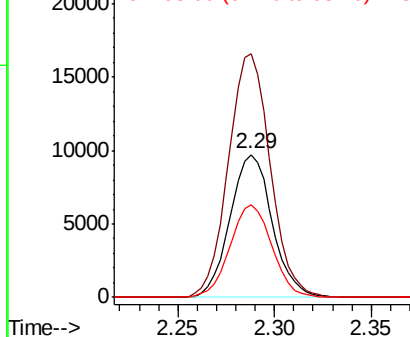


Abundance

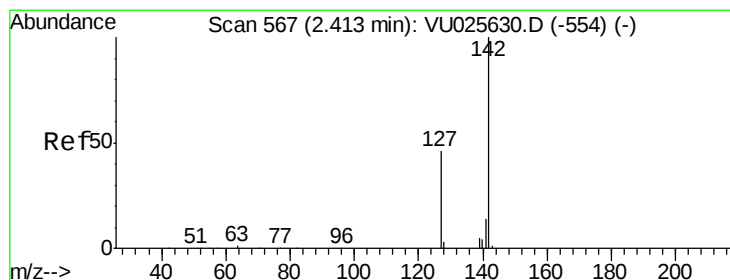
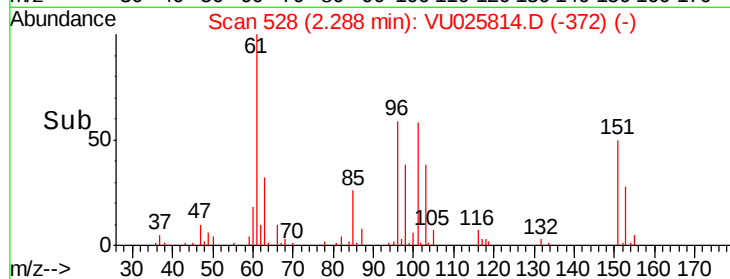
Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

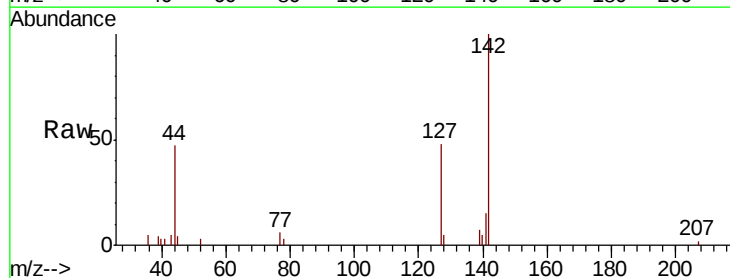


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#10
 Iodomethane
 Concen: 1.89 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

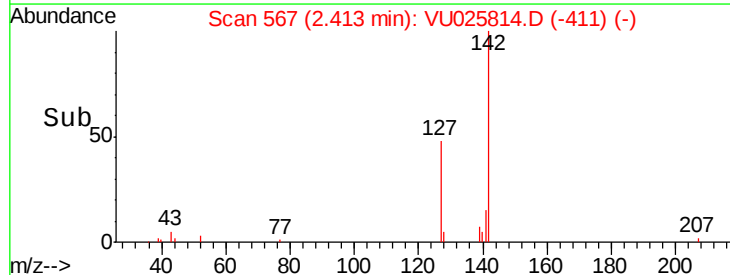
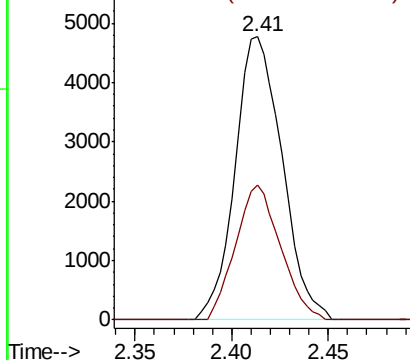
Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.7	34.5	51.7

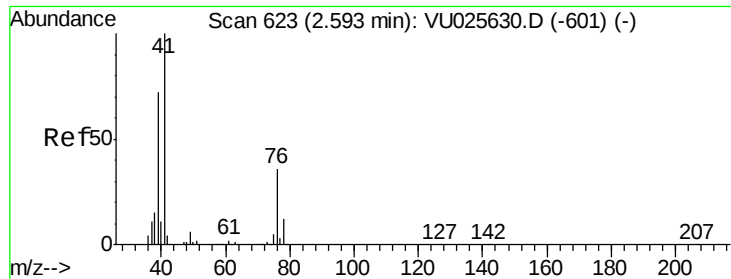


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V





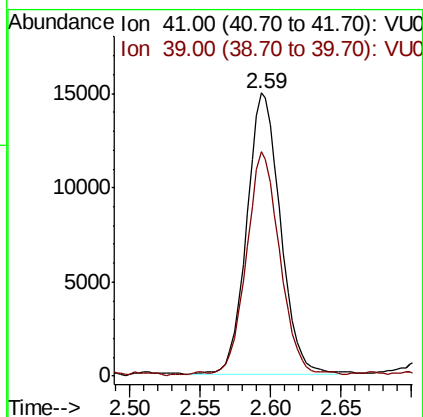
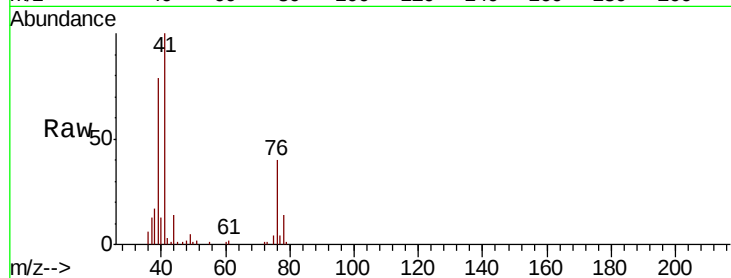
#11
Allvl Chloride
Concen: 2.09 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

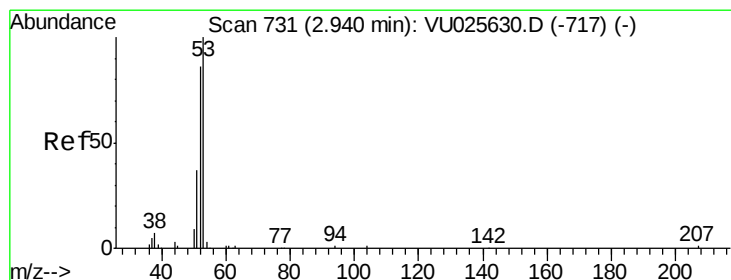
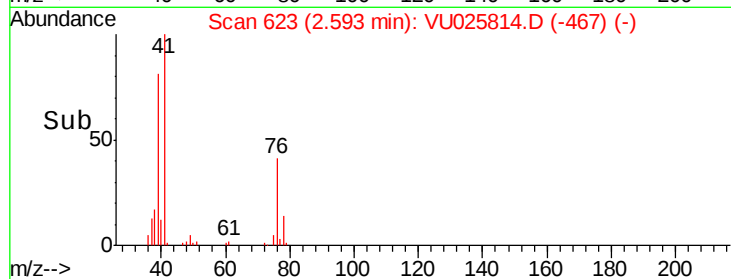
Tot Ion	Ratio	Lower	Upper
41	100		
39	76.5	51.4	77.2

Manual Integrations
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MMDadoda

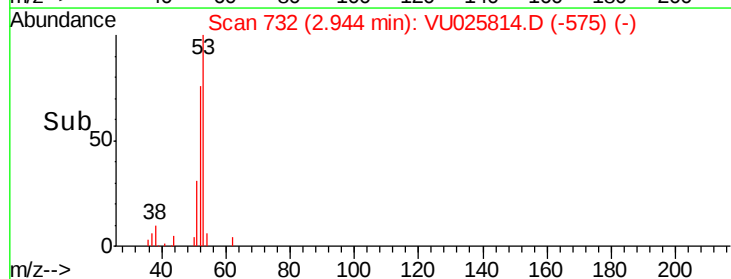
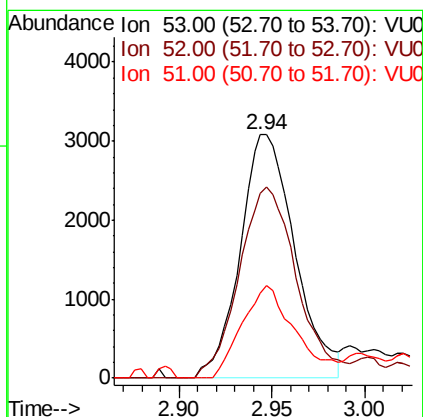
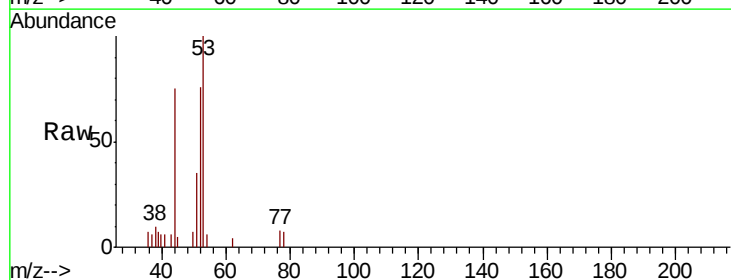


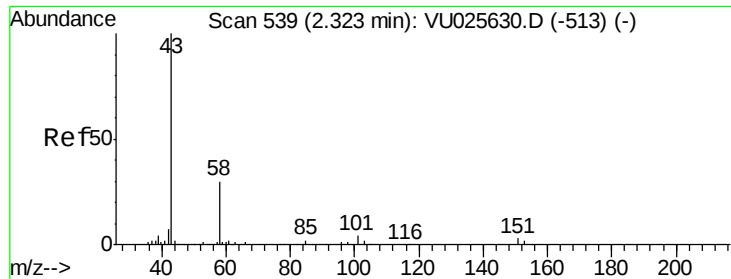
8/6/2018 5:38:52 PM



#12
Acrylonitrile
Concen: 4.00 ug/l
RT: 2.94 min Scan# 732
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.1	97.7
51	37.1	30.2	45.4





#13

Acetone

Concen: 10.22 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 43 Resp: 14060

Ion Ratio Lower Upper

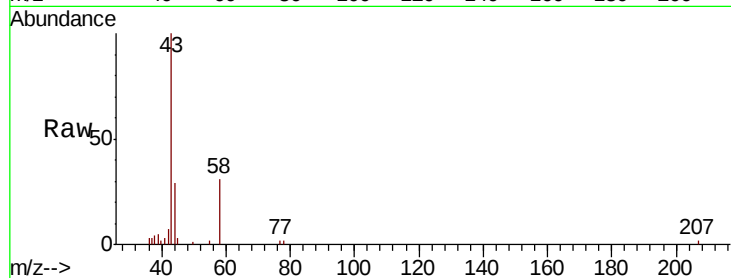
43 100

58 31.5 26.0 39.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU025630.D (-513) (-)

Ion 58.00 (57.70 to 58.70): VU025630.D (-513) (-)

2.33

8000

6000

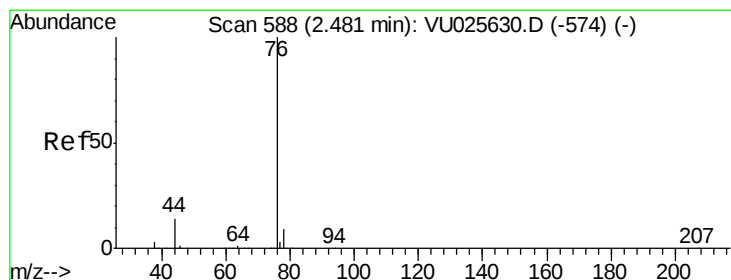
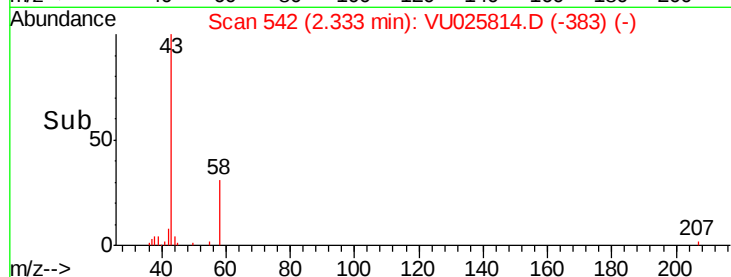
4000

2000

0

Time-->

2.30 2.35



#14

Carbon Disulfide

Concen: 2.04 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025814.D

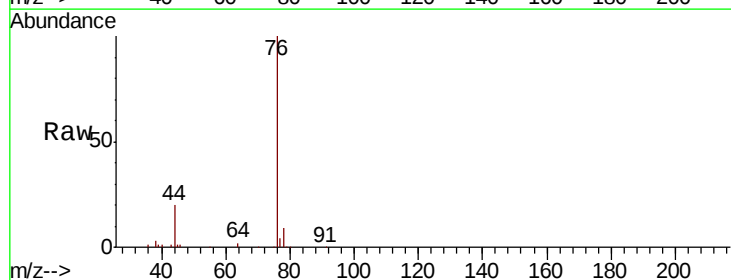
Acq: 03 Aug 2018 12:50

Tgt Ion: 76 Resp: 50058

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU025630.D (-574) (-)

Ion 78.00 (77.70 to 78.70): VU025630.D (-574) (-)

2.48

30000

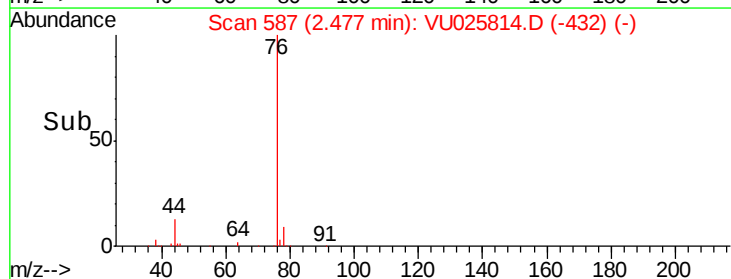
20000

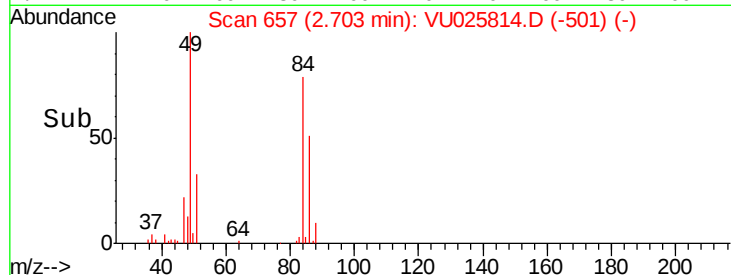
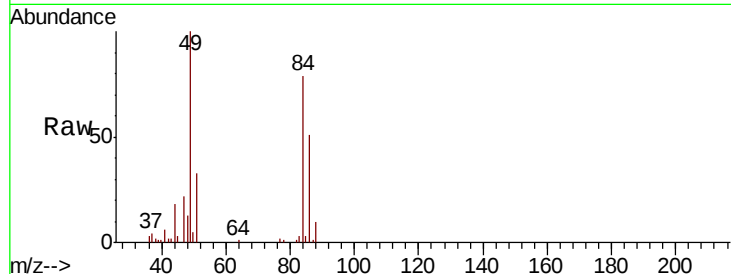
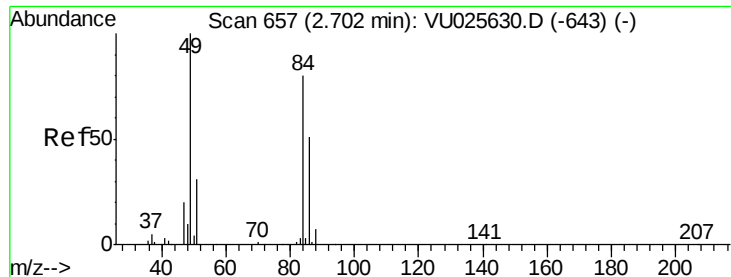
10000

0

Time-->

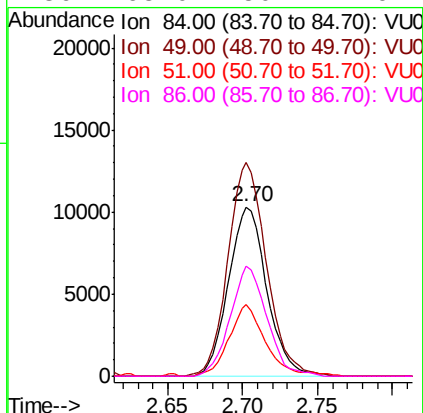
2.40 2.45 2.50 2.55 2.60





#15
Methvlene Chloride
Concen: 2.16 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tot Ion:	84	Resp:	18502
Ion	Ratio	Lower	Upper
84	100		
49	126.3	108.7	163.1
51	42.2	0.0	82.4
86	65.0	50.7	76.1

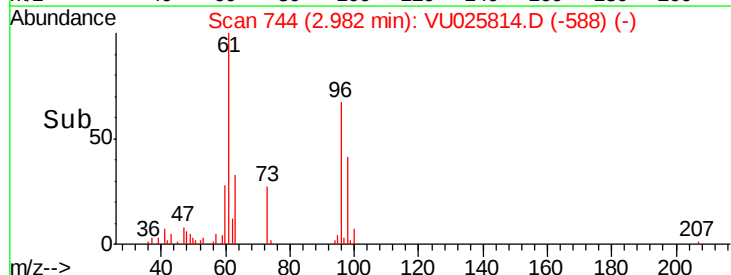
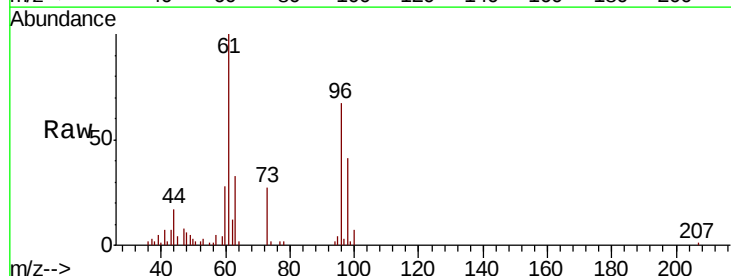
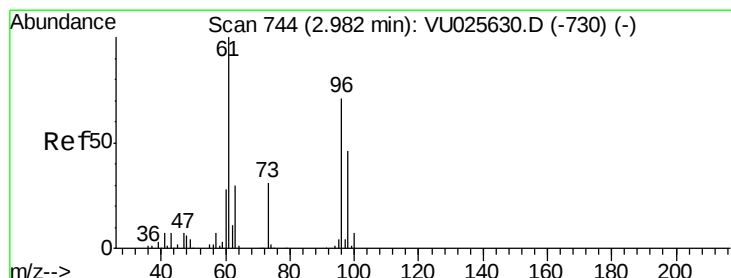


Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

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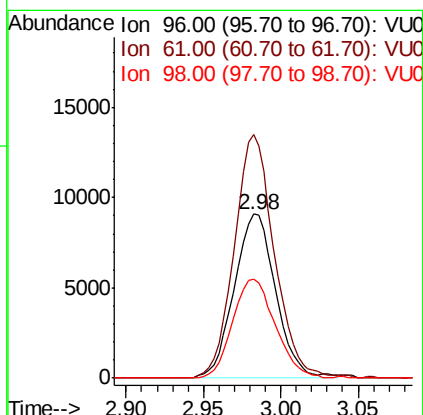
MMDadoda

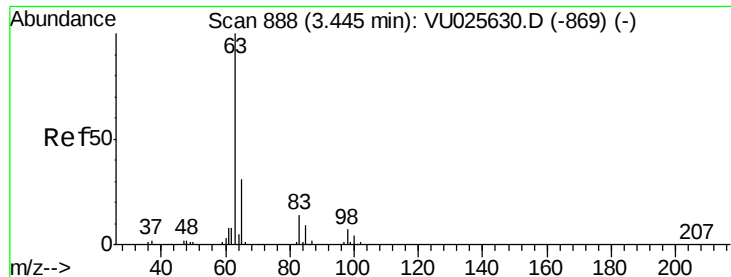
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#16
trans-1,2-Dichloroethene
Concen: 2.11 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:	96	Resp:	16951
Ion	Ratio	Lower	Upper
96	100		
61	148.4	123.9	185.9
98	60.6	50.6	76.0





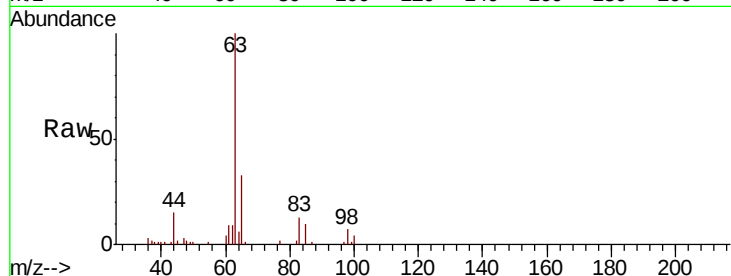
#17
 1,1-Dichloroethane
 Concen: 1.91 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

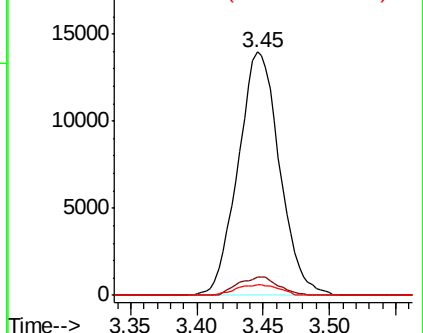
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	7.3	2.9	8.8	
100	4.2	2.0	5.8	

Manual Integrations
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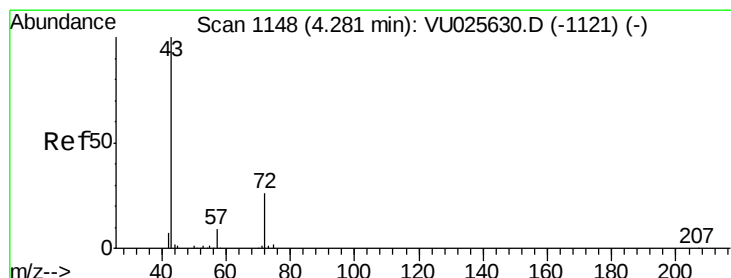
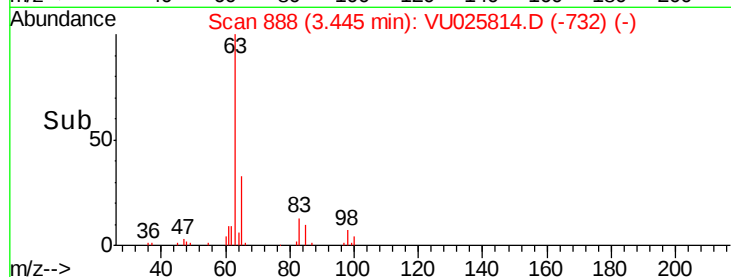
MM Dadoda



Abundance Ion 63.00 (62.70 to 63.70): VU025630.D (-869) (-)
 Ion 98.00 (97.70 to 98.70): VU025630.D (-869) (-)
 Ion 100.00 (99.70 to 100.70): VU025630.D (-869) (-)

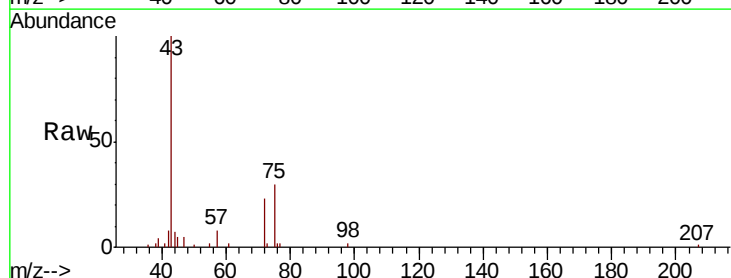


8/6/2018 5:38:52 PM

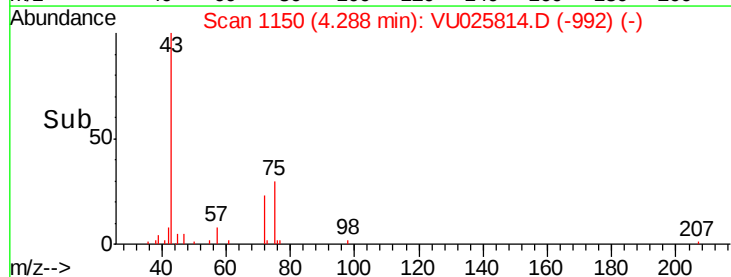
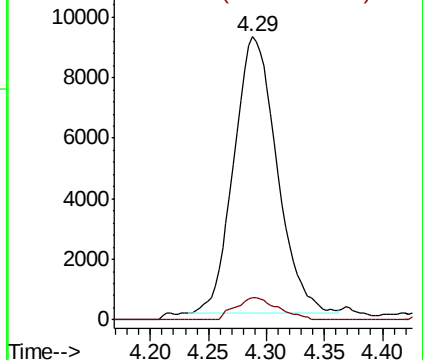


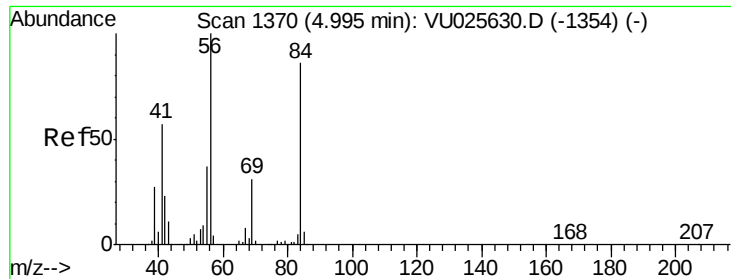
#18
 2-Butanone
 Concen: 9.92 ug/l
 RT: 4.29 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.3	0.0	15.8	



Abundance Ion 43.00 (42.70 to 43.70): VU025630.D (-1121) (-)
 Ion 57.00 (56.70 to 57.70): VU025630.D (-1121) (-)





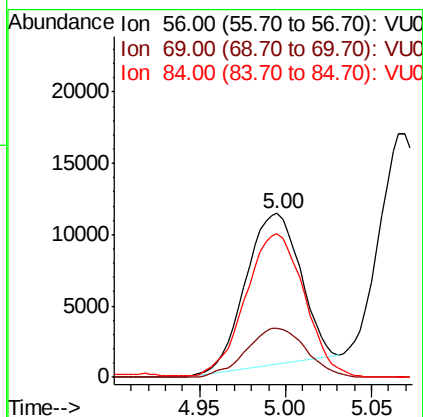
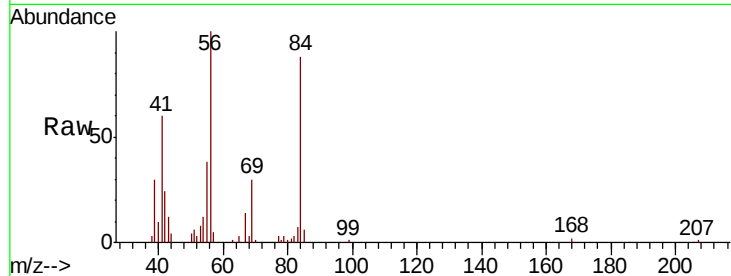
#19
Cyclohexane
Concen: 1.92 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

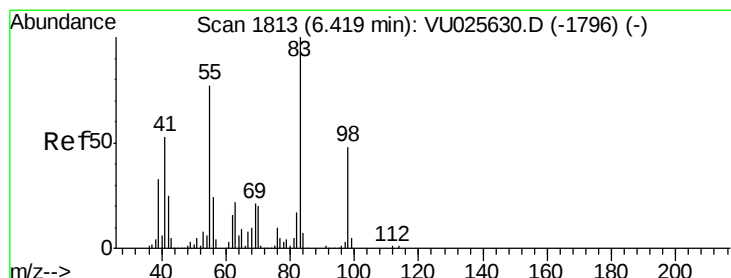
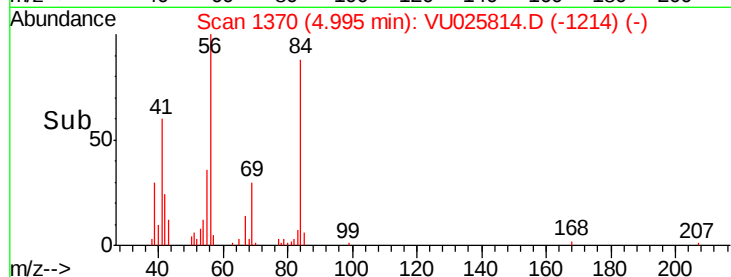
Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.0	39.0
84	100.4	68.3	102.5

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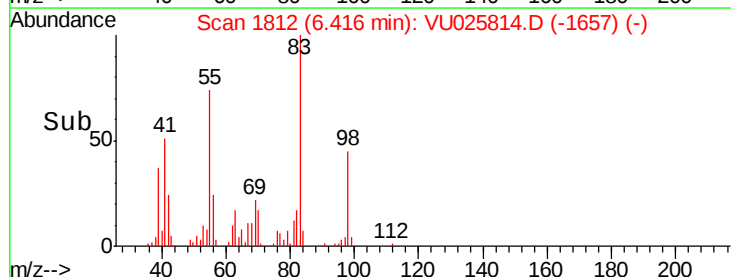
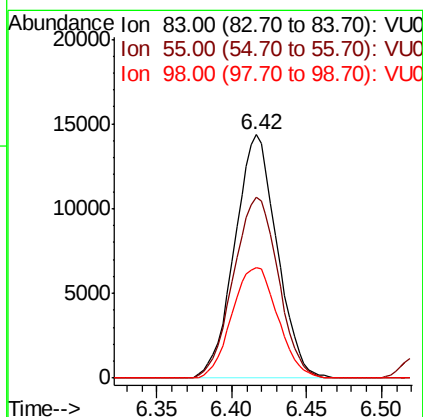
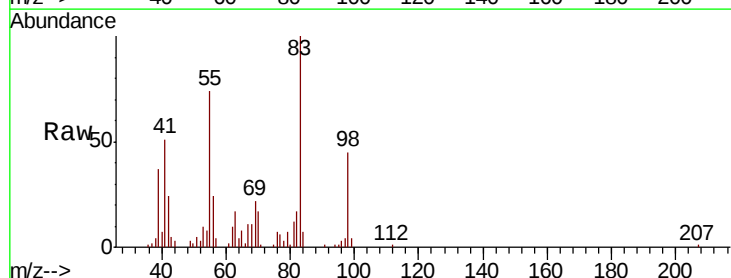


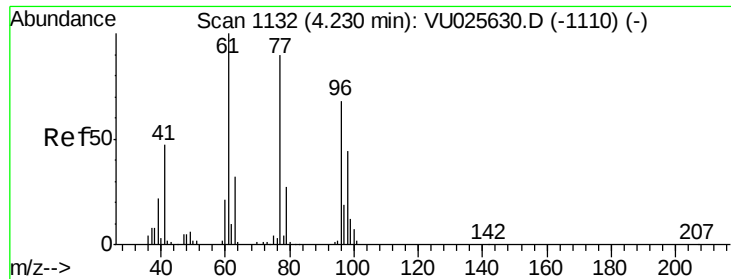
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#20
Methylcyclohexane
Concen: 1.87 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.6	66.4	99.6
98	49.2	35.4	53.2





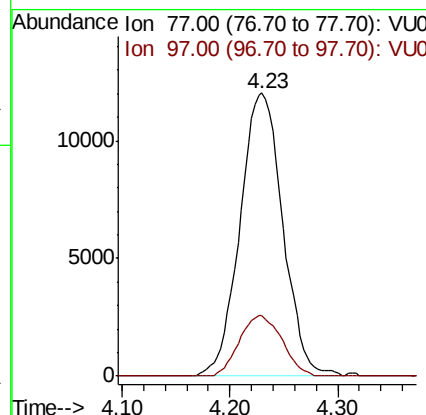
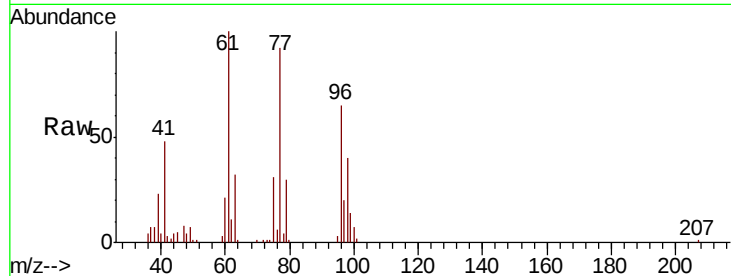
#21
 2,2-Dichloropropane
 Concen: 2.18 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampled :
 VU0803WBS01

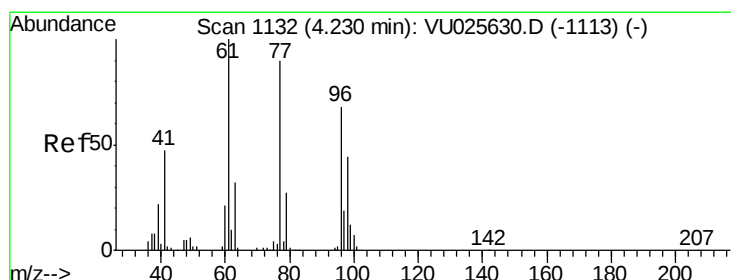
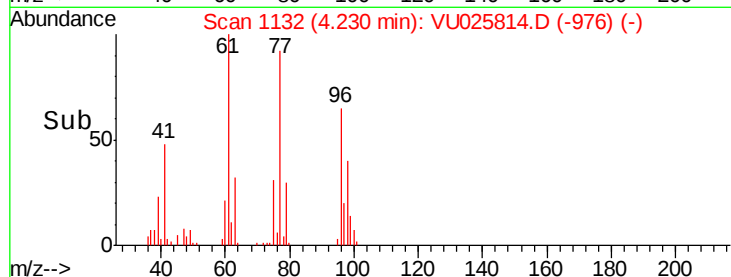
Tot Ion	Ratio	Lower	Upper
77	100		
97	21.3	17.9	26.9

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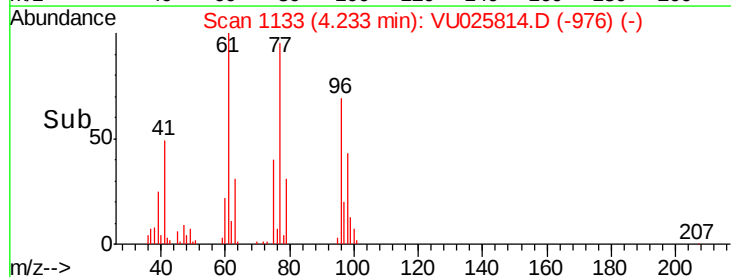
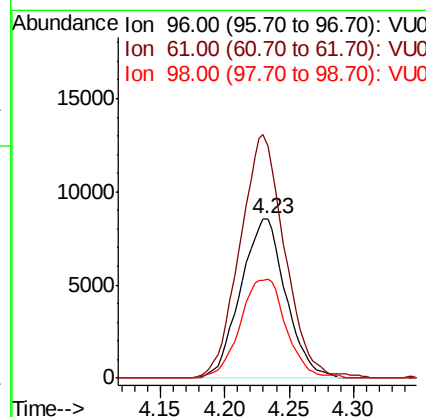
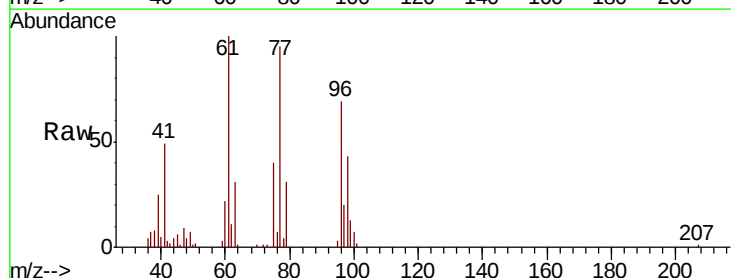


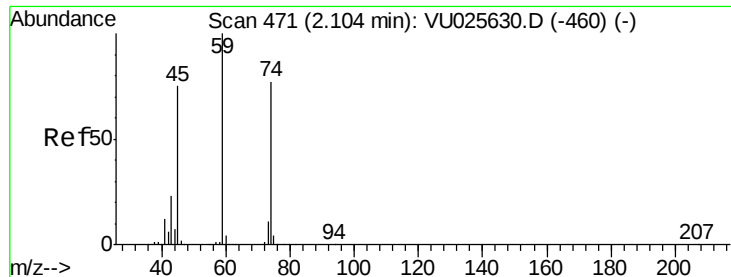
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#22
 cis-1,2-Dichloroethene
 Concen: 2.05 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	400.5
98	63.4	32.2	96.6





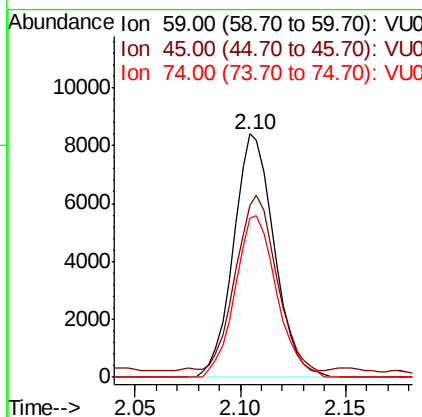
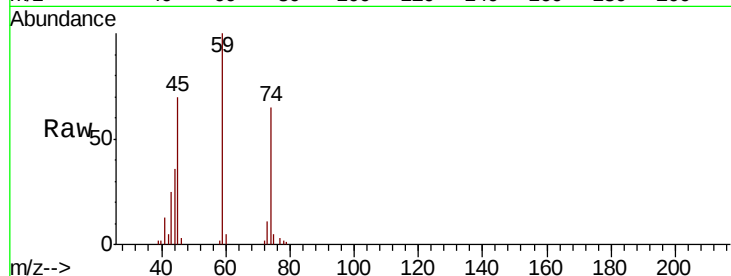
#23
Diethyl Ether
Concen: 2.07 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampled :
VU0803WBS01

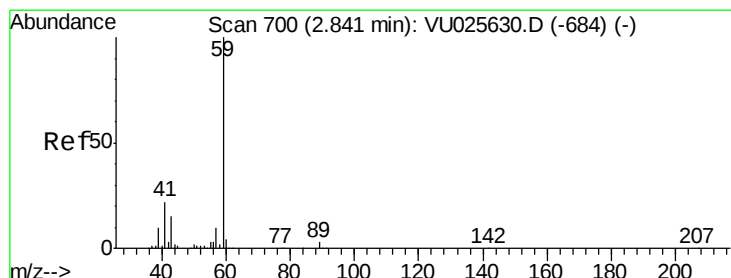
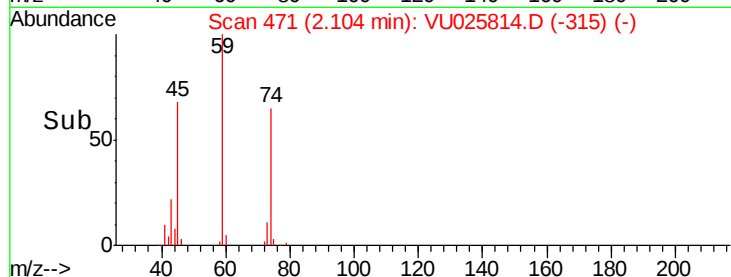
Tot Ion	Ratio	Lower	Upper
59	100		
45	73.7	60.0	90.0
74	67.5	56.5	84.7

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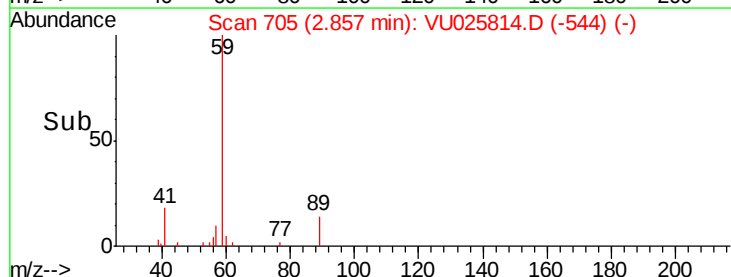
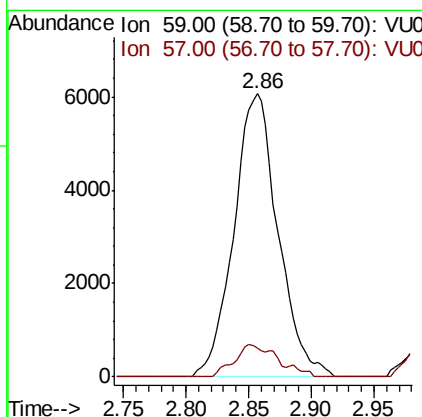
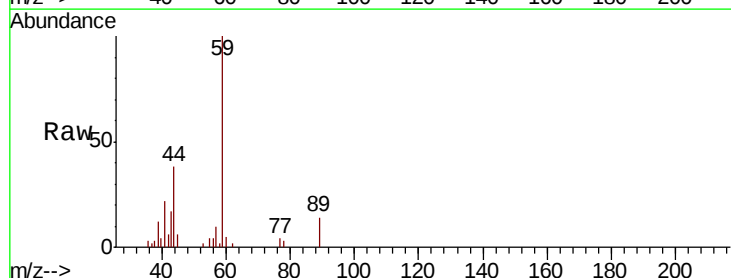


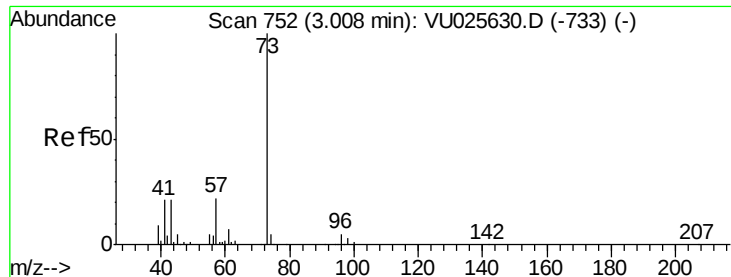
8/6/2018 5:38:52 PM



#24
tert-Butyl Alcohol
Concen: 23.26 ug/l
RT: 2.86 min Scan# 705
Delta R.T. 0.02 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	3.4	5.2#





#25

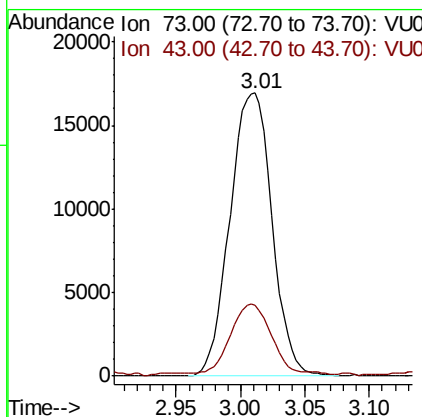
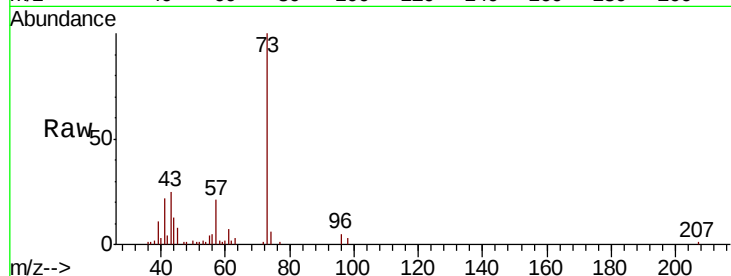
Methvl tert-Butvl Ether
 Concen: 1.98 ug/l
 RT: 3.01 min Scan# 753
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

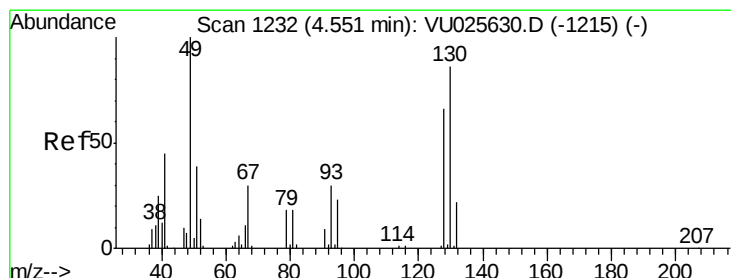
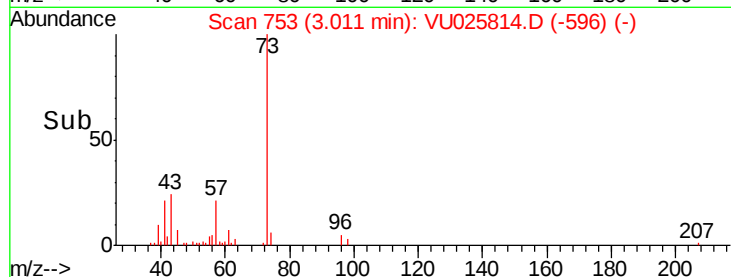
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.6	16.2	24.2#

Manual Integrations
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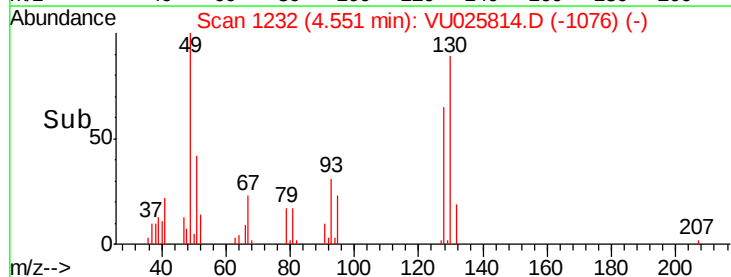
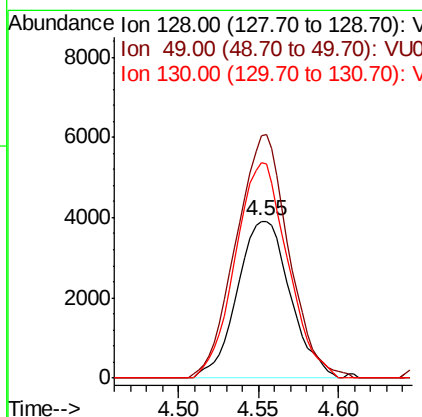
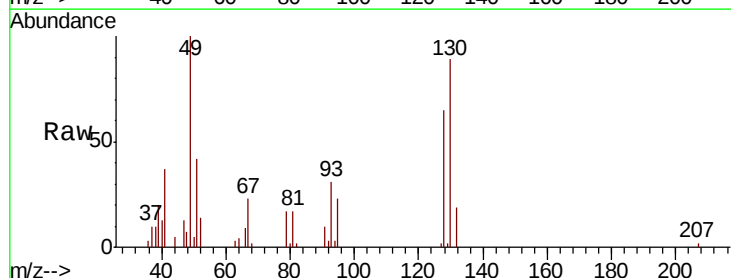
8/6/2018 5:38:52 PM

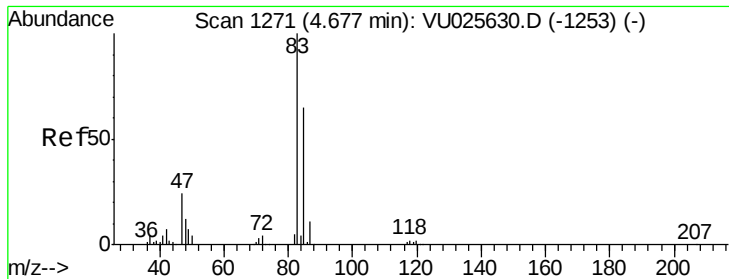


#26

Bromochloromethane
 Concen: 1.99 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	154.6	0.0	375.2
130	135.8	105.8	158.6





#27

Chloroform

Concen: 2.10 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 83 Resp: 36857

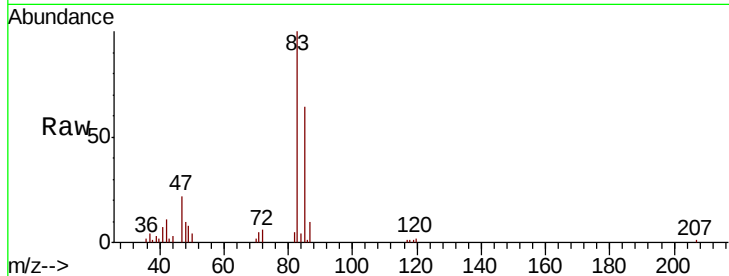
Ion Ratio Lower Upper

83 100

85 63.8 0.0 128.4

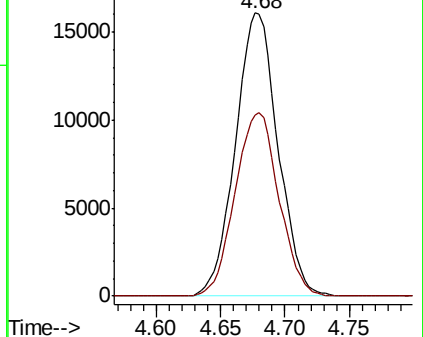
Manual Integrations
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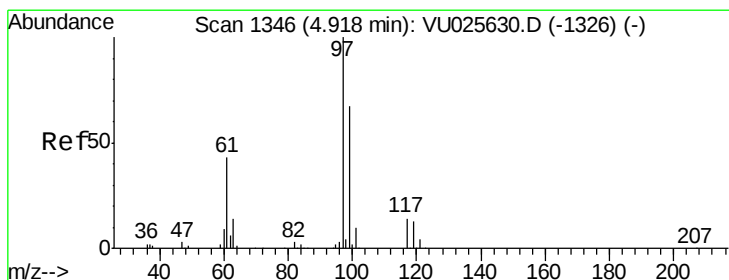
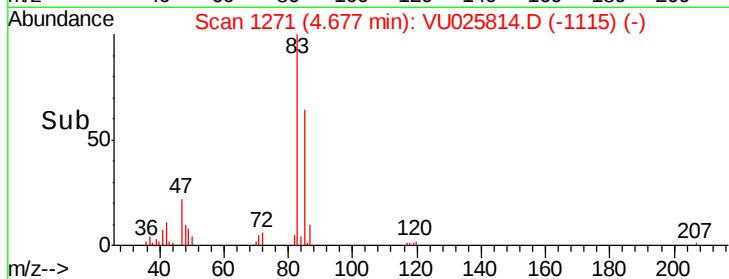


Abundance Ion 83.00 (82.70 to 83.70): VU025630.D (-1253) (-)

Ion 85.00 (84.70 to 85.70): VU025630.D (-1253) (-)



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#28

1,1,1-Trichloroethane

Concen: 2.07 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

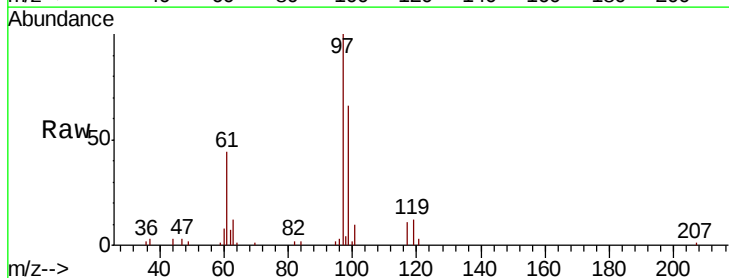
Tgt Ion: 97 Resp: 32790

Ion Ratio Lower Upper

97 100

99 66.7 32.3 96.9

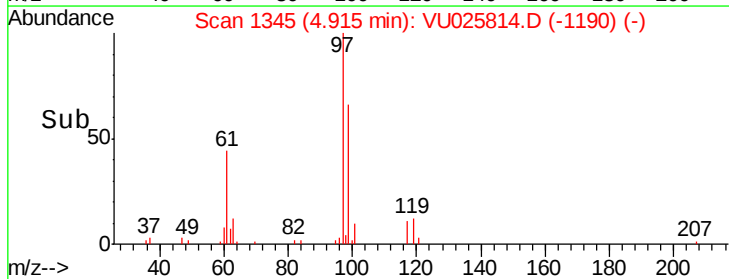
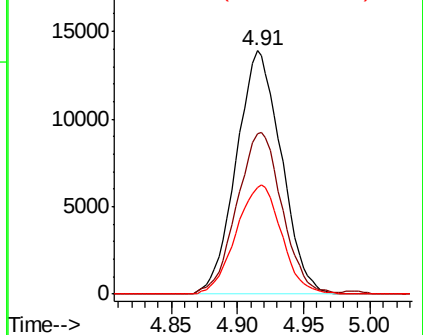
61 45.4 23.2 69.5

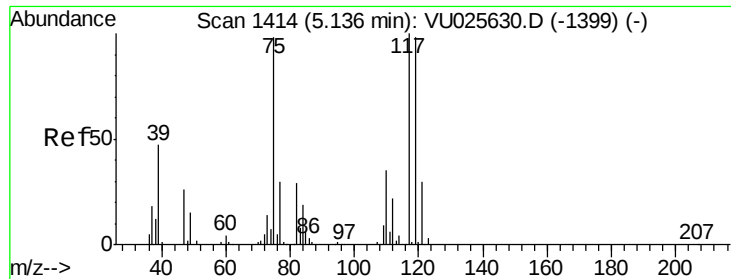


Abundance Ion 97.00 (96.70 to 97.70): VU025630.D (-1326) (-)

Ion 99.00 (98.70 to 99.70): VU025630.D (-1326) (-)

Ion 61.00 (60.70 to 61.70): VU025630.D (-1326) (-)





#29

1,1-Dichloropropene

Concen: 2.00 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 75 Resp: 25870

Ion Ratio Lower Upper

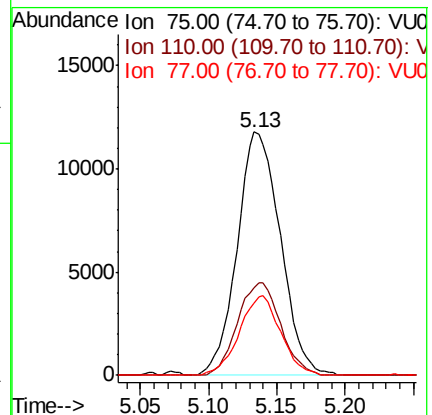
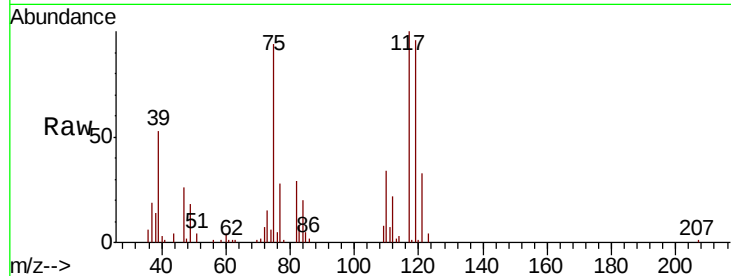
75 100

110 37.9 16.9 50.7

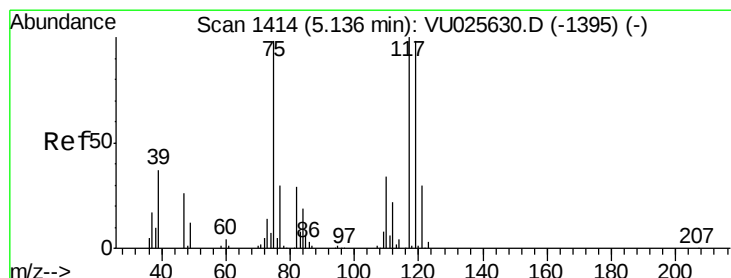
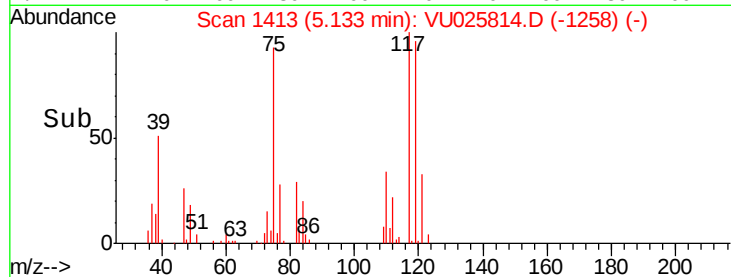
77 31.2 24.8 37.2

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#30

Carbon Tetrachloride

Concen: 2.00 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

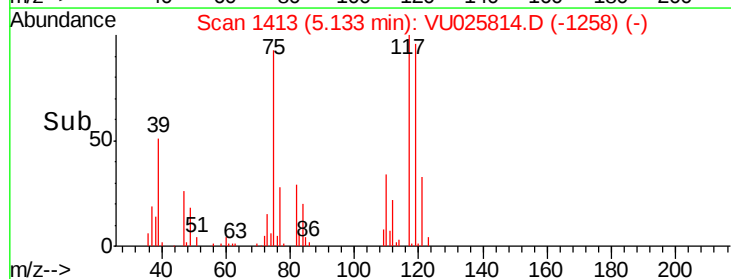
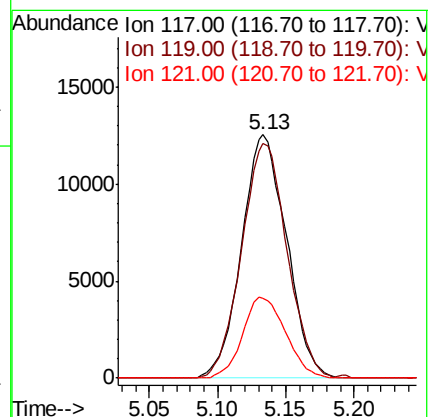
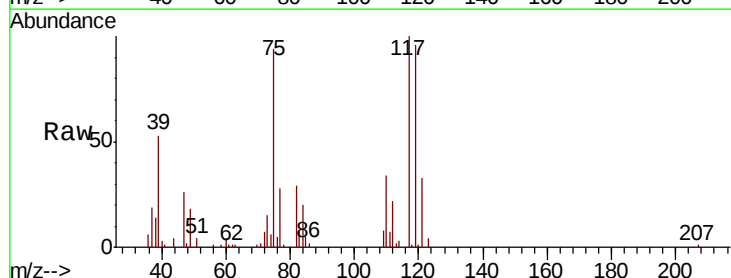
Tgt Ion: 117 Resp: 28657

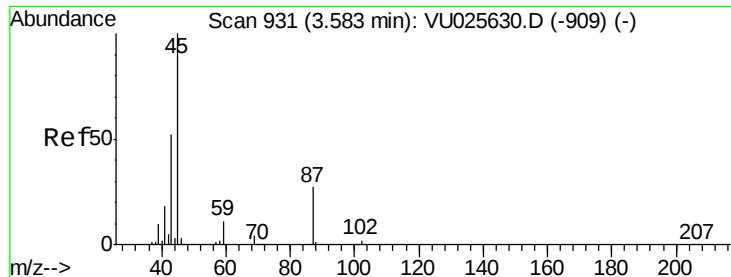
Ion Ratio Lower Upper

117 100

119 96.4 77.3 115.9

121 32.8 24.5 36.7





#31

Isopropyl Ether

Concen: 2.07 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 45 Resp: 52985

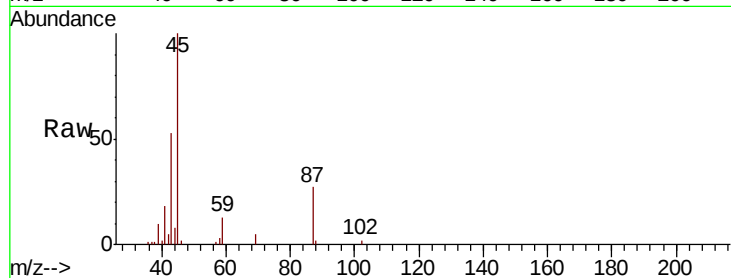
Ion Ratio Lower Upper

45 100

43 53.3 24.0 72.0

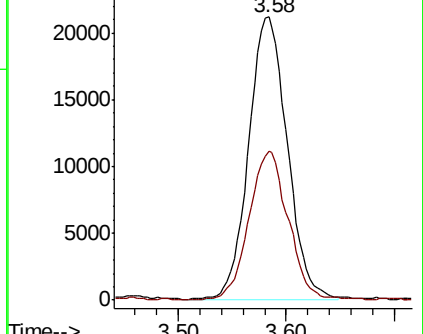
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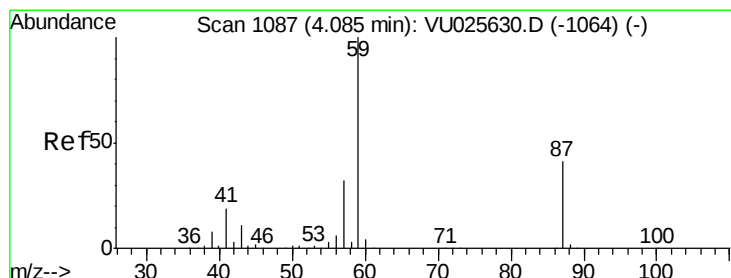
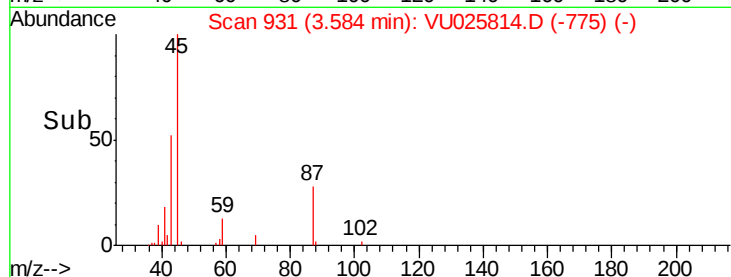


Abundance Ion 45.00 (44.70 to 45.70): VU025630.D (-909) (-)

Ion 43.00 (42.70 to 43.70): VU025630.D (-909) (-)



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#32

Ethyl-t-butyl ether

Concen: 1.99 ug/l

RT: 4.08 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VU025814.D

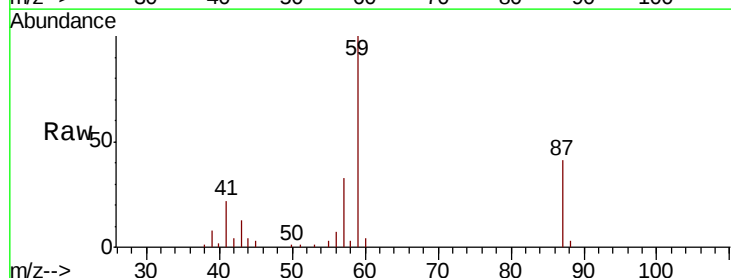
Acq: 03 Aug 2018 12:50

Tgt Ion: 59 Resp: 48438

Ion Ratio Lower Upper

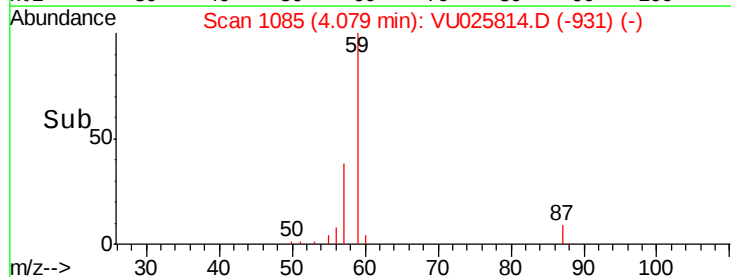
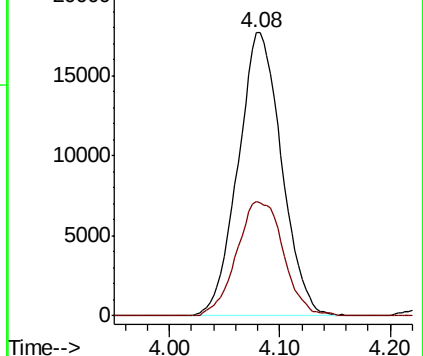
59 100

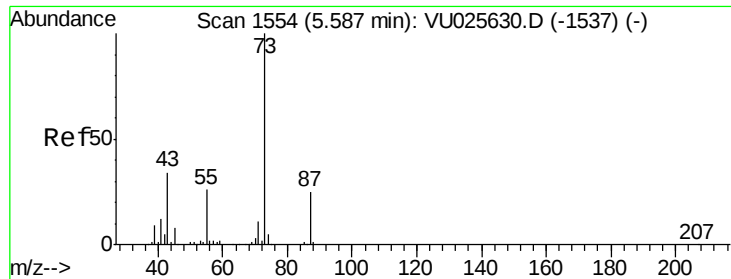
87 43.5 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU025630.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VU025630.D (-1064) (-)





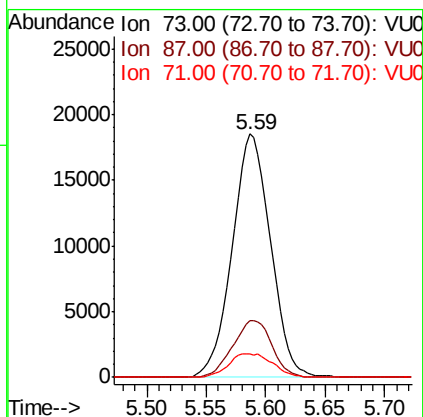
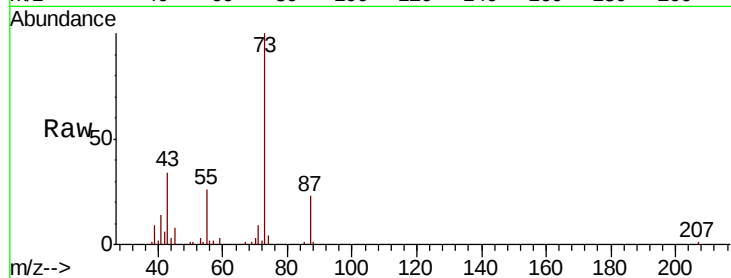
#33
Tert-Butyl methyl ether
Concen: 1.93 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

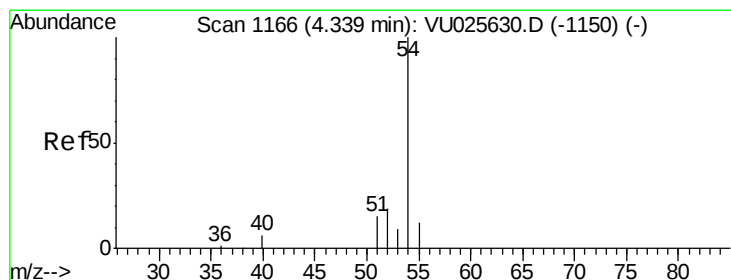
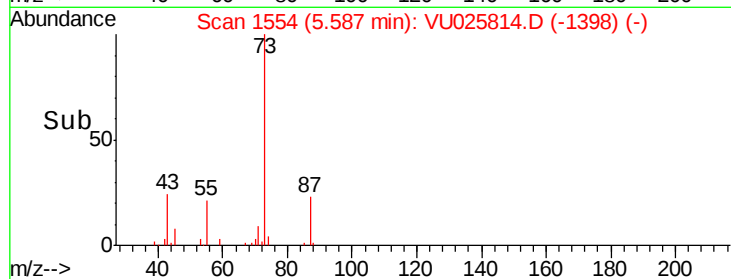
Tot Ion:	73	Resp:	41357
Ion	Ratio	Lower	Upper
73	100		
87	23.7	18.6	28.0
71	11.1	9.3	13.9

Manual Integrations
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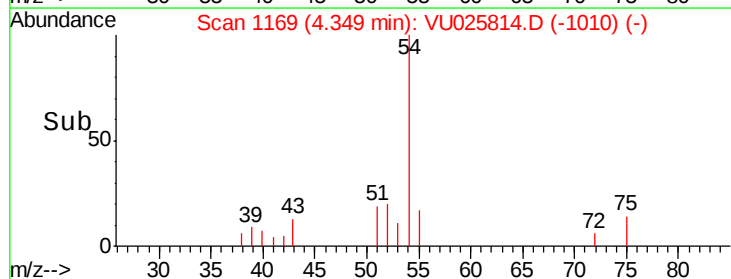
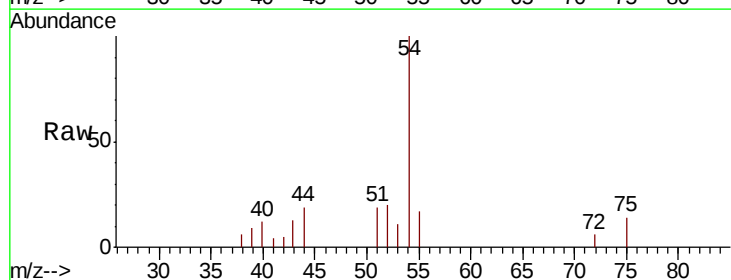
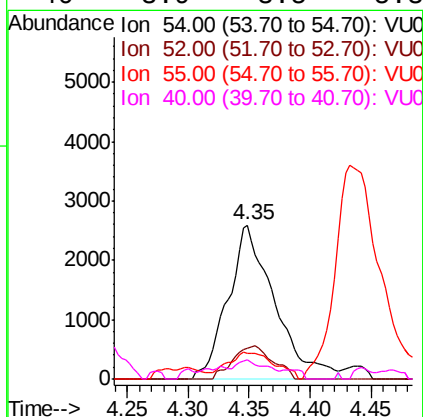


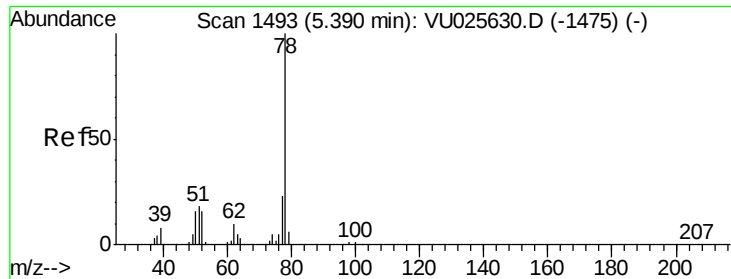
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#34
Propionitrile
Concen: 10.32 ug/l
RT: 4.35 min Scan# 1169
Delta R.T. 0.01 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:	54	Resp:	6846
Ion	Ratio	Lower	Upper
54	100		
52	18.4	13.7	20.5
55	17.5	10.2	15.2#
40	3.9	3.5	5.3





#35

Benzene

Concen: 2.09 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 78 Resp: 75713

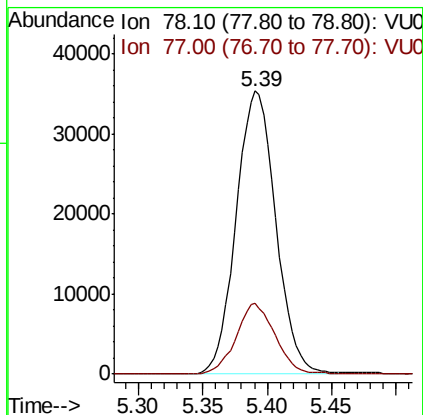
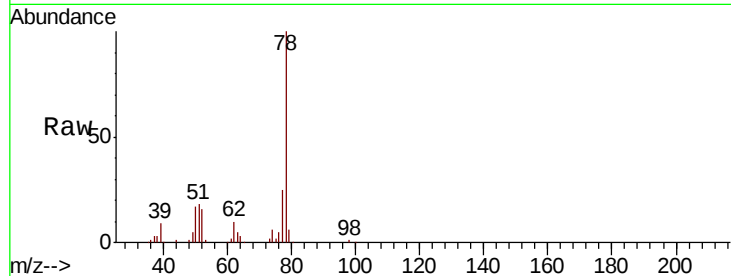
Ion Ratio Lower Upper

78 100

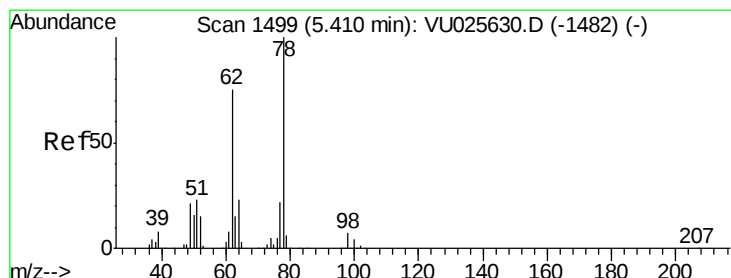
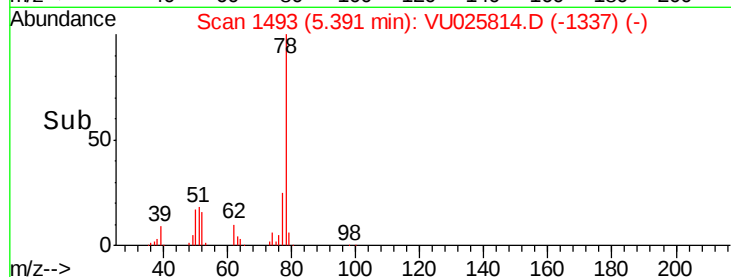
77 24.9 19.1 28.7

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#36

1,2-Dichloroethane

Concen: 2.06 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025814.D

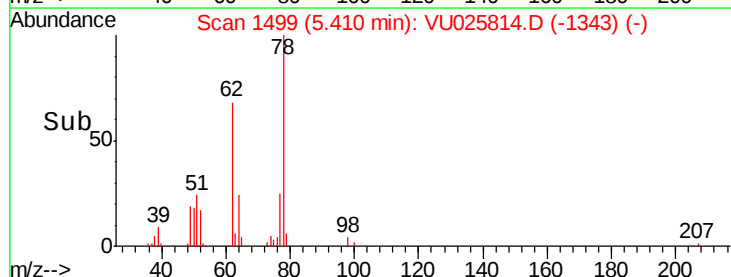
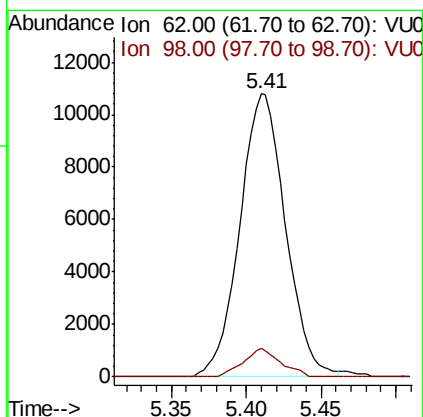
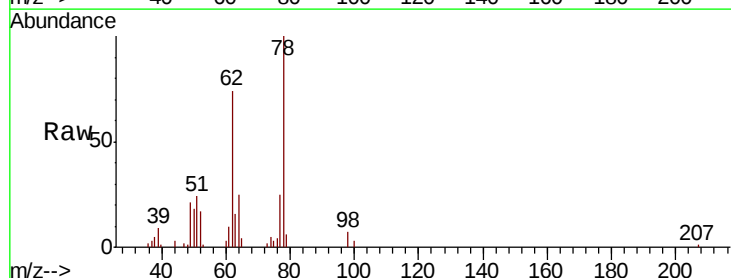
Acq: 03 Aug 2018 12:50

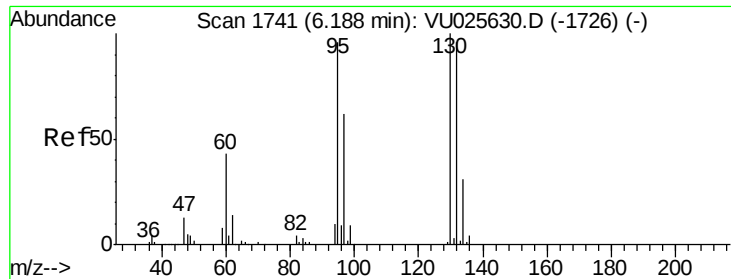
Tgt Ion: 62 Resp: 22936

Ion Ratio Lower Upper

62 100

98 8.2 7.2 10.8





#37

Trichloroethene

Concen: 2.04 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion:130 Resp: 21768

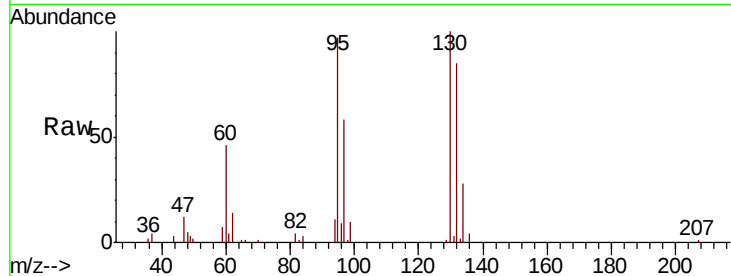
Ion Ratio Lower Upper

130 100

95 97.3 77.9 116.9

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Abundance Ion 129.90 (129.60 to 130.60): VU025630.D (-1726) (-)

Ion 94.90 (94.60 to 95.60): VU025630.D (-1726) (-)

6.19

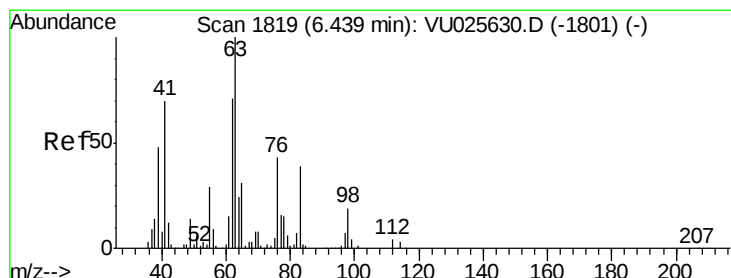
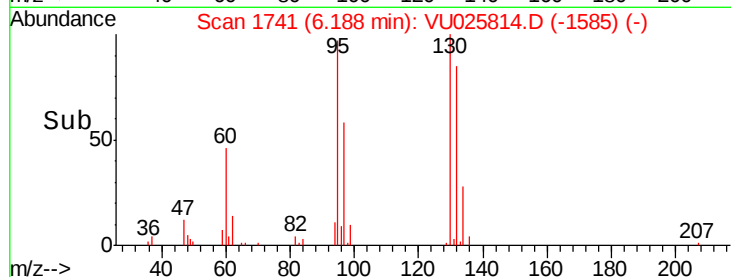
10000

5000

0

Time--> 6.10 6.15 6.20 6.25

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#38

1,2-Dichloropropane

Concen: 2.03 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025814.D

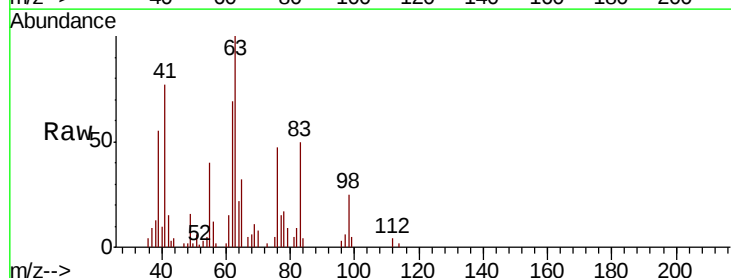
Acq: 03 Aug 2018 12:50

Tgt Ion: 63 Resp: 19057

Ion Ratio Lower Upper

63 100

65 32.4 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU025630.D (-1801) (-)

Ion 65.00 (64.70 to 65.70): VU025630.D (-1801) (-)

6.44

10000

8000

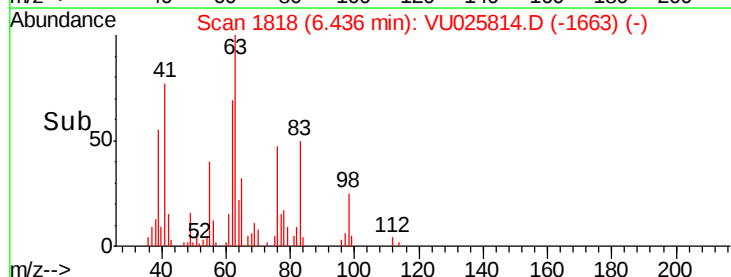
6000

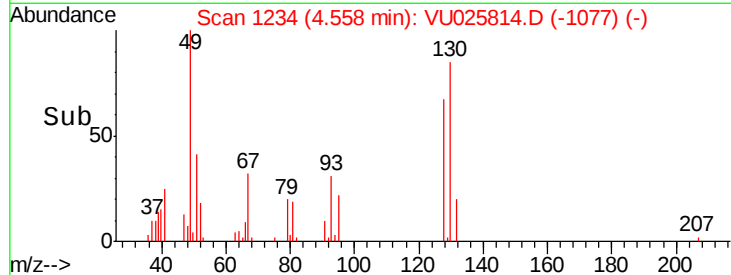
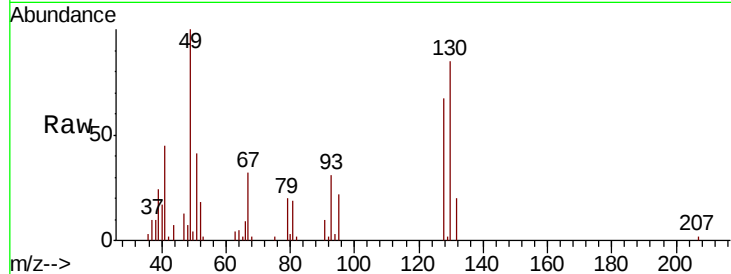
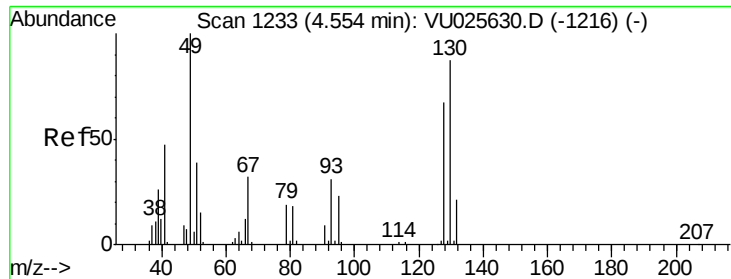
4000

2000

0

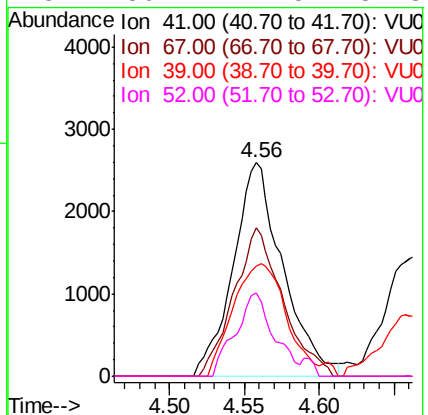
Time--> 6.35 6.40 6.45 6.50





#39
Methacrylonitrile
Concen: 1.96 ug/l
RT: 4.56 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tot Ion	Ratio	Lower	Upper
41	100		
67	68.0	51.3	76.9
39	56.4	40.6	60.8
52	30.4	21.5	32.3

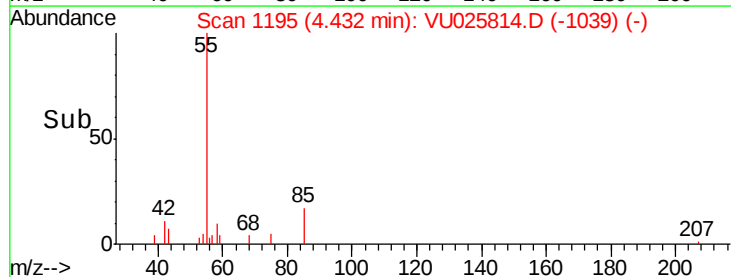
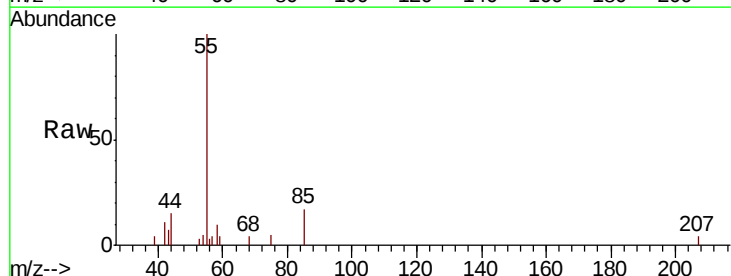
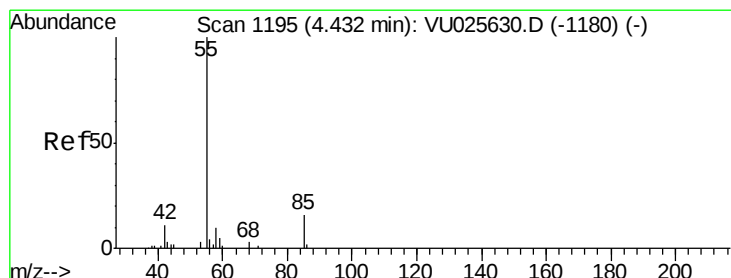


Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

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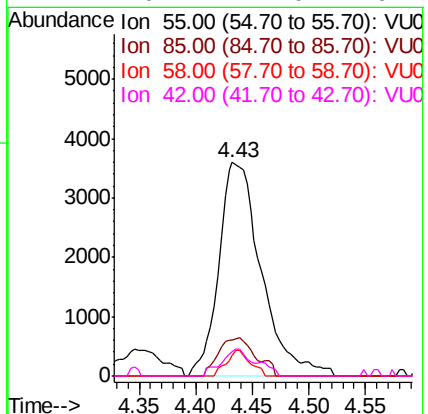
MMDadoda

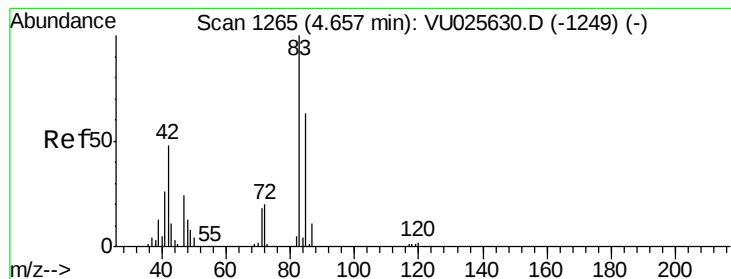
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#40
Methyl acrylate
Concen: 2.04 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.3	18.5
58	6.6	7.0	10.6#
42	10.1	7.0	10.4





#41

Tetrahydrofuran

Concen: 3.45 ug/l

RT: 4.65 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

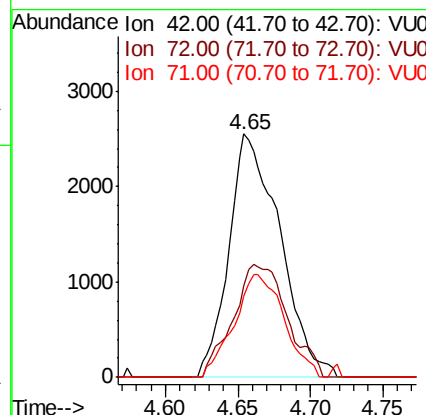
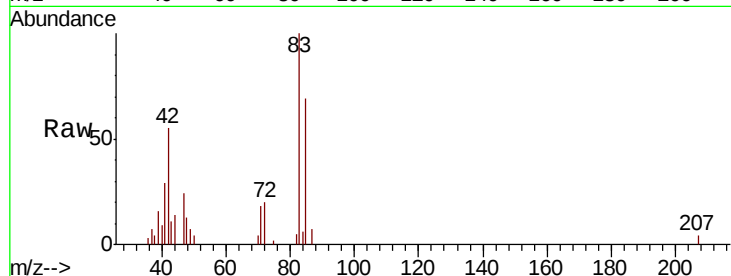
ClientSampleId :

VU0803WBS01

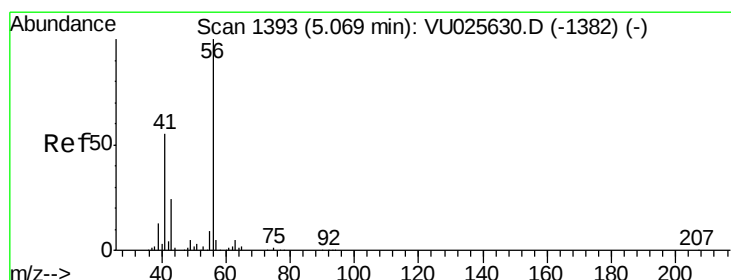
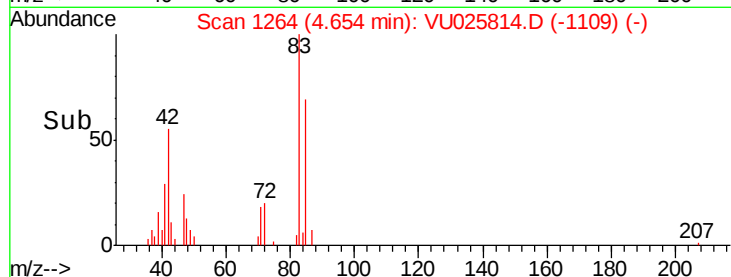
Tot Ion:	42	Resp:	6230
Ion	Ratio	Lower	Upper
42	100		
72	49.2	33.2	49.8
71	41.4	29.8	44.8

Manual Integrations
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MM Dadoda



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#42

1-Chlorobutane

Concen: 2.00 ug/l

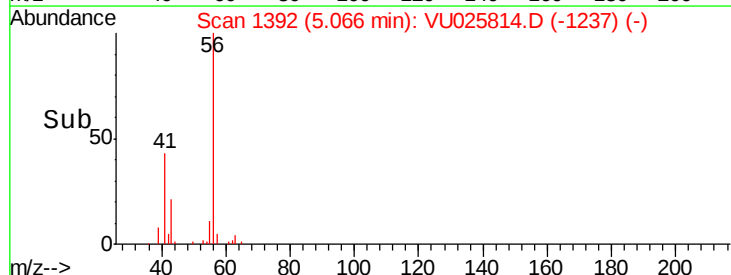
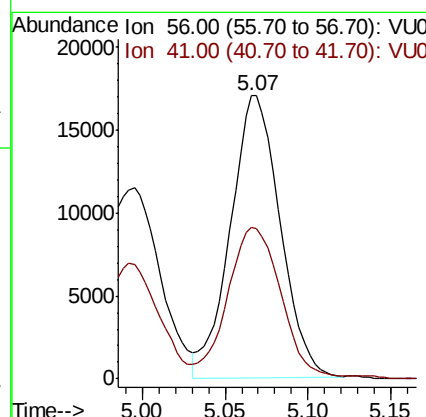
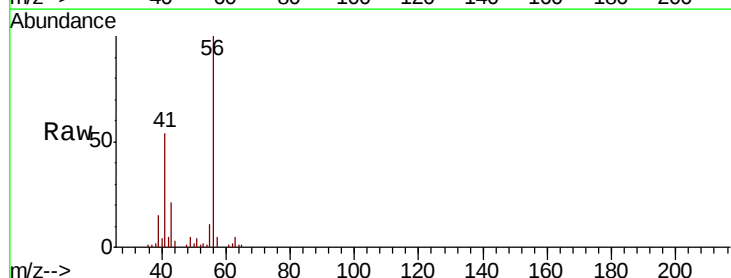
RT: 5.07 min Scan# 1392

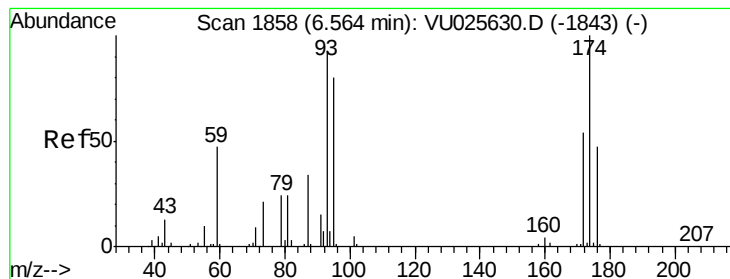
Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Tgt Ion:	56	Resp:	35359
Ion	Ratio	Lower	Upper
56	100		
41	56.1	27.5	82.5





#43

Dibromomethane

Concen: 1.97 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 93 Resp: 9689

Ion Ratio Lower Upper

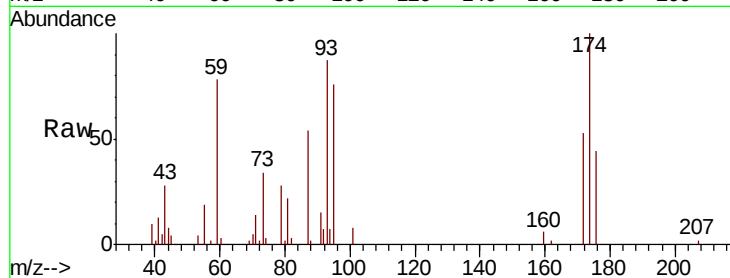
93 100

95 83.5 67.2 100.8

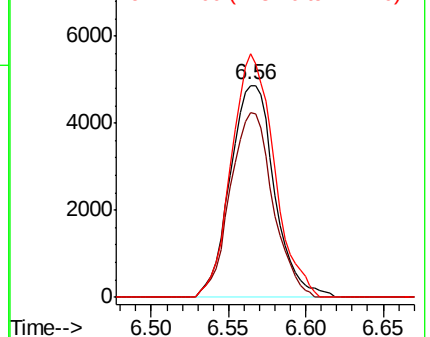
174 110.8 82.8 124.2

Manual Integrations
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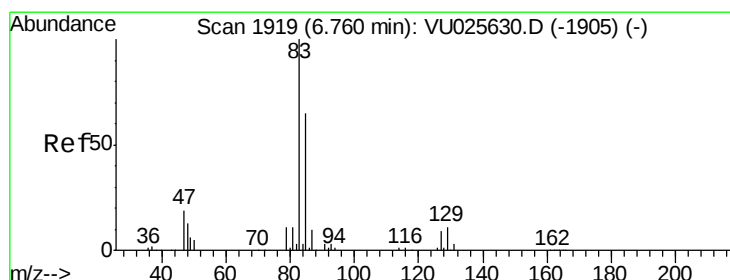
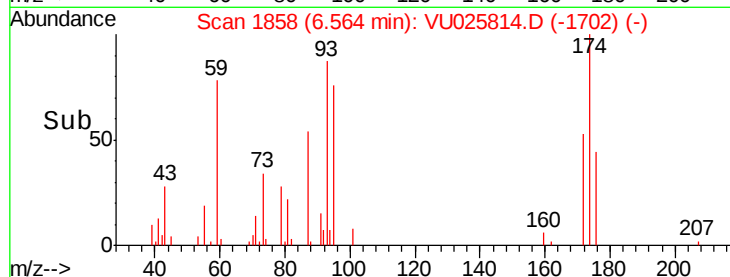
MMDadoda



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



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#44

Bromodichloromethane

Concen: 2.05 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

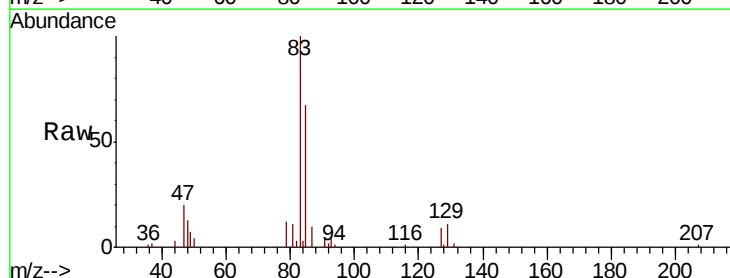
Tgt Ion: 83 Resp: 25483

Ion Ratio Lower Upper

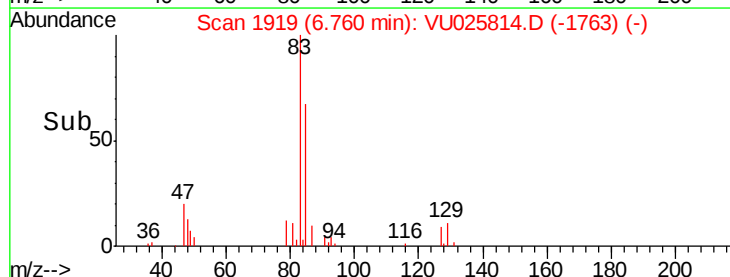
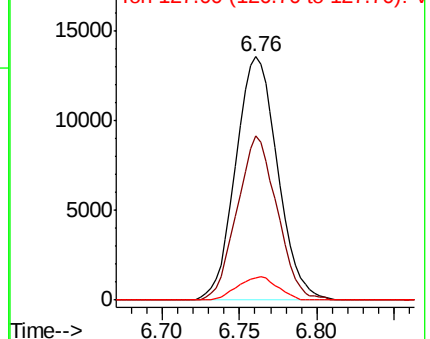
83 100

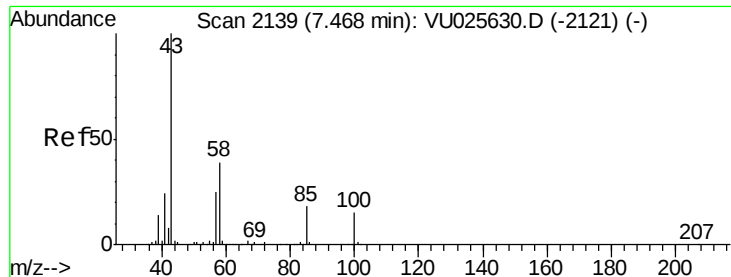
85 67.4 52.2 78.4

127 9.2 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





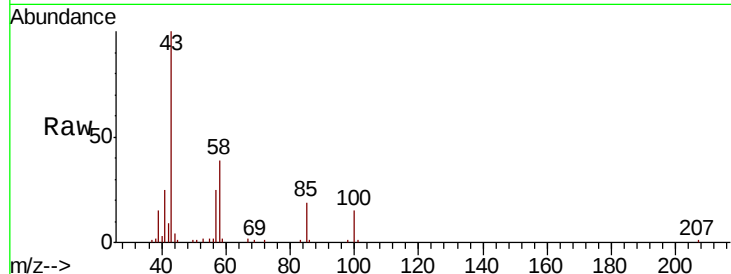
#45
4-Methyl-2-Pentanone
Concen: 9.25 ug/l
RT: 7.47 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Tot Ion	43	Resp	50669
Ion	Ratio	Lower	Upper
43	100		
58	38.5	18.8	56.4
85	18.3	12.6	19.0

Manual Integrations
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MM Dadoda

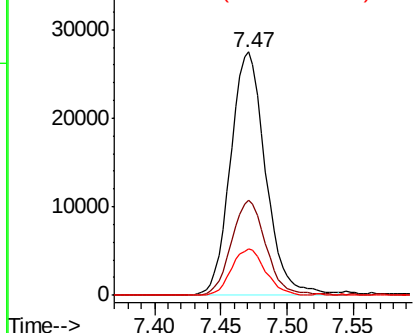


Abundance

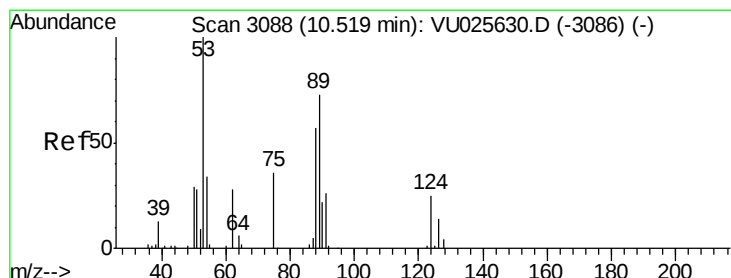
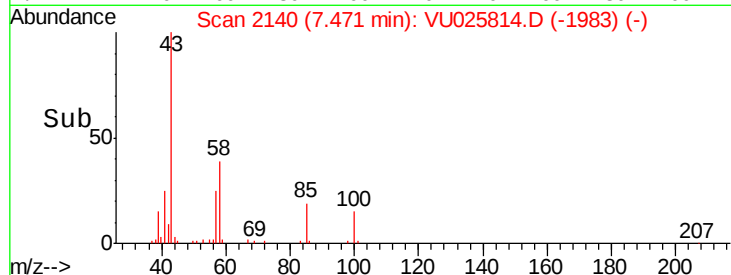
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



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#46
t-1,4-Dichloro-2-butene
Concen: 4.01 ug/l m
RT: 10.52 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	75	Resp	6332
Ion	Ratio	Lower	Upper
75	100		
53	105.4	82.2	123.4
89	66.2	51.3	76.9
88	49.7	37.4	56.2

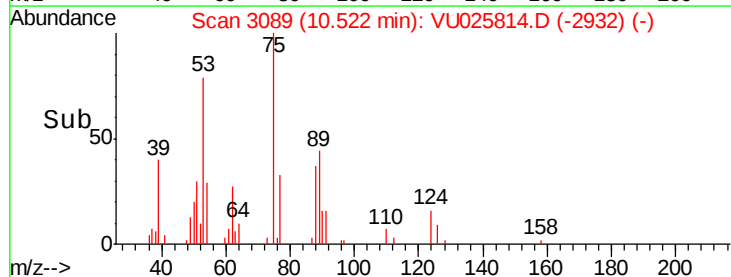
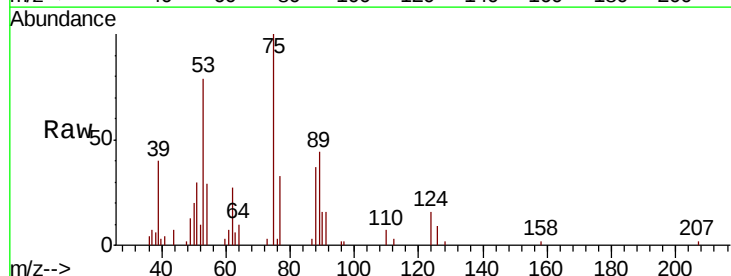
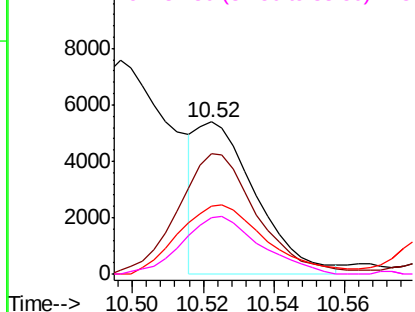
Abundance

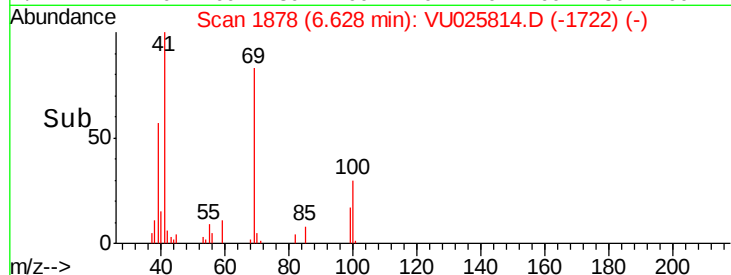
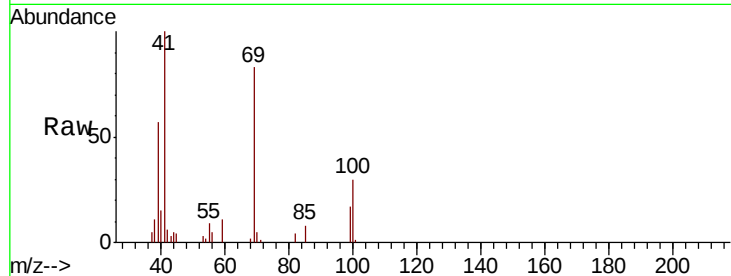
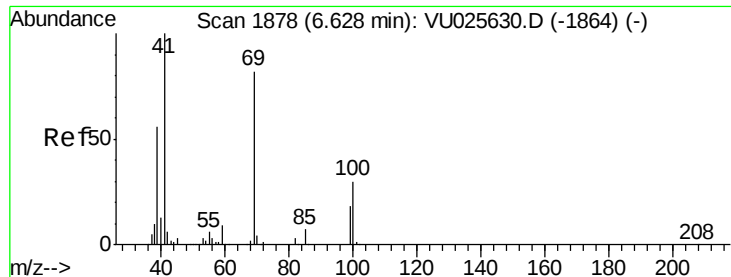
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0





#47
Methyl methacrylate
Concen: 3.66 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

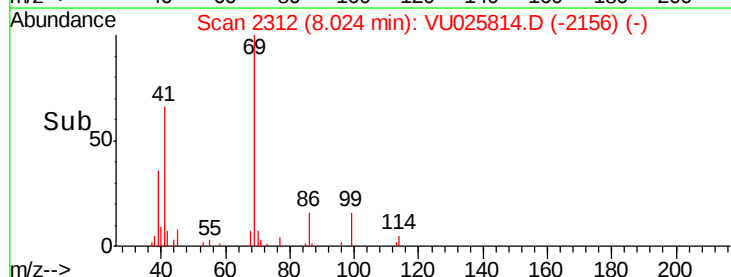
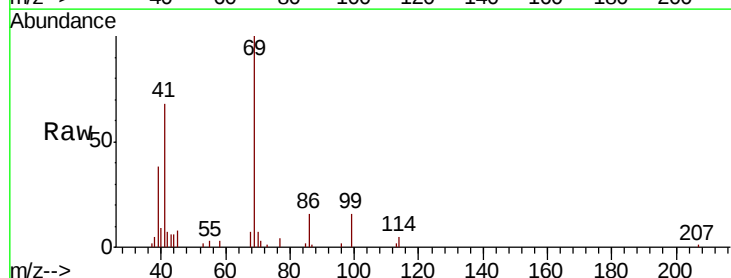
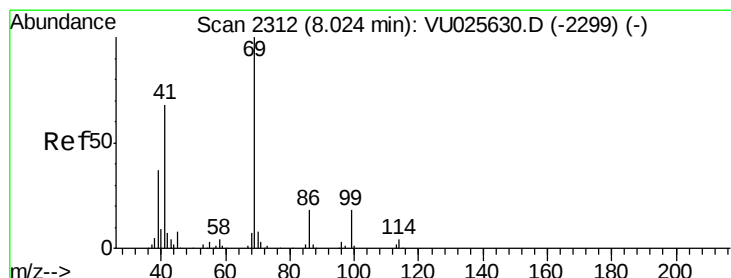
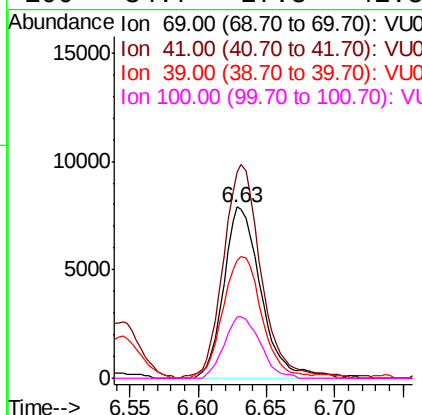
Tot Ion	Ratio	Lower	Upper
69	100		
41	126.0	0.0	245.4
39	73.7	49.0	73.4#
100	34.7	27.8	41.8

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Manual Integrations
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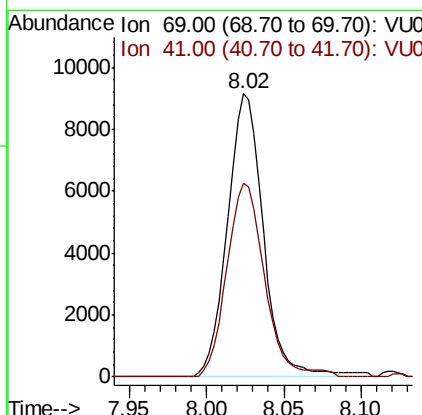
MMDadoda

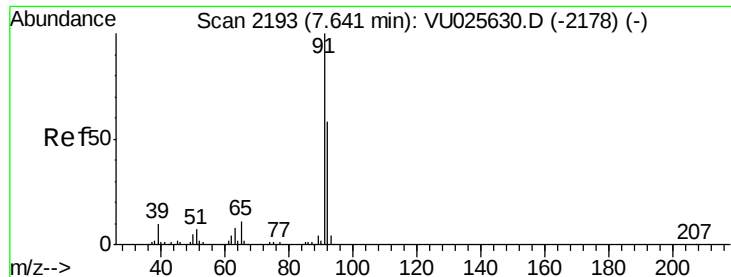
8/6/2018 5:38:52 PM



#48
Ethyl methacrylate
Concen: 1.77 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.4	34.2	102.5





#49

Toluene

Concen: 1.99 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 92 Resp: 44053

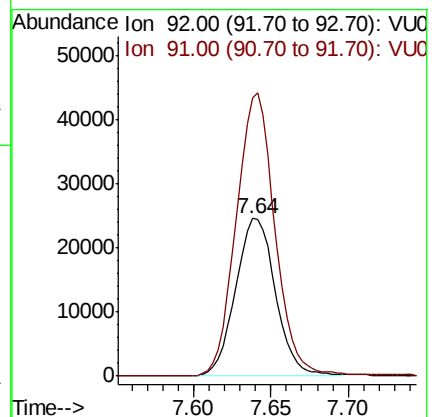
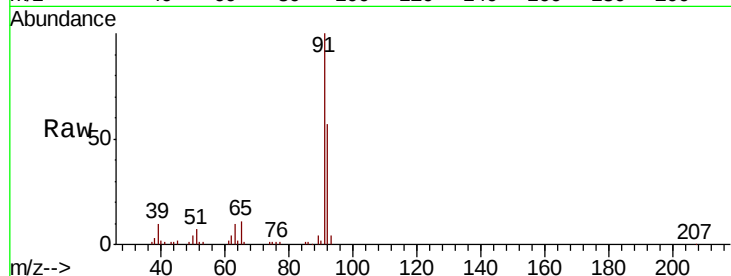
Ion Ratio Lower Upper

92 100

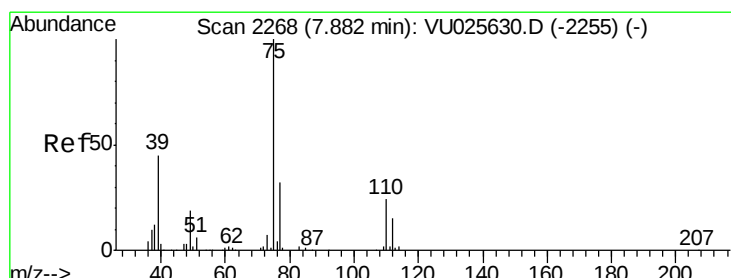
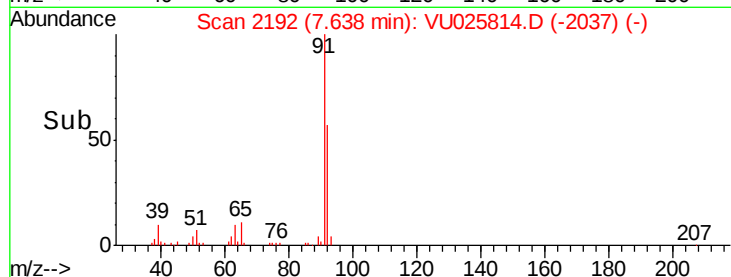
91 174.5 137.1 205.7

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 1.95 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025814.D

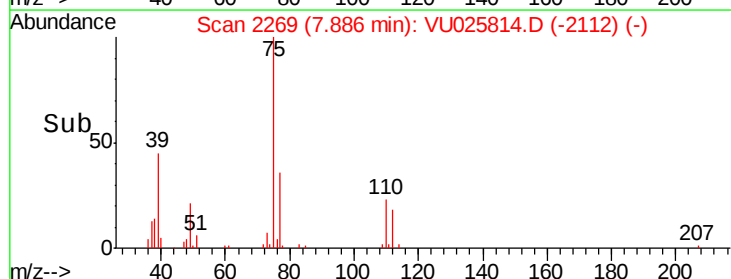
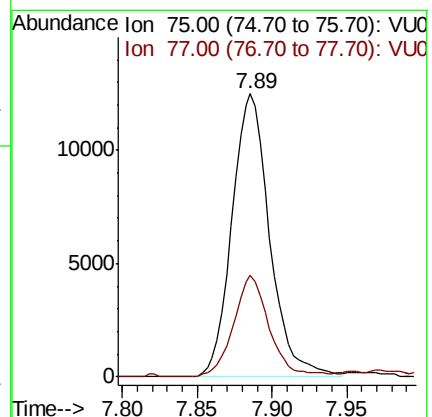
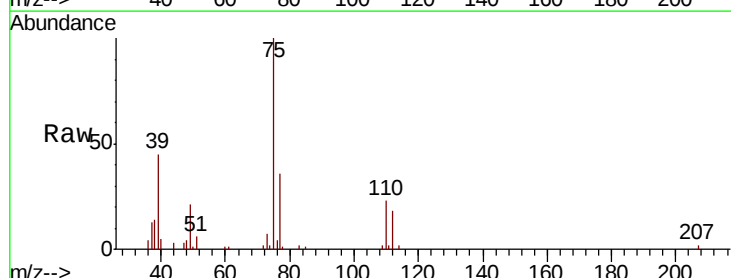
Acq: 03 Aug 2018 12:50

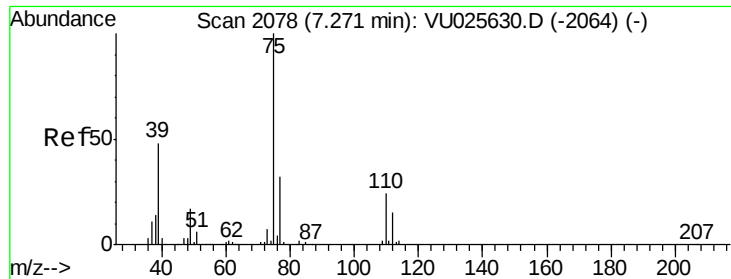
Tgt Ion: 75 Resp: 21923

Ion Ratio Lower Upper

75 100

77 36.0 25.2 37.8





#51

cis-1,3-Dichloropropene

Concen: 2.03 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion: 75 Resp: 27362

Ion Ratio Lower Upper

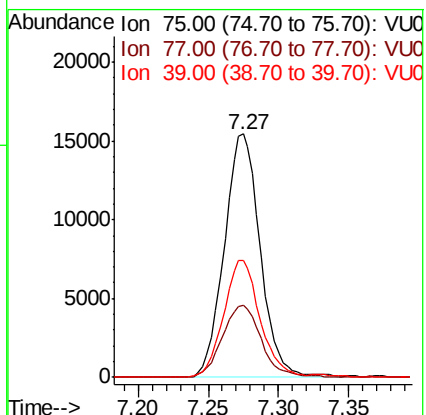
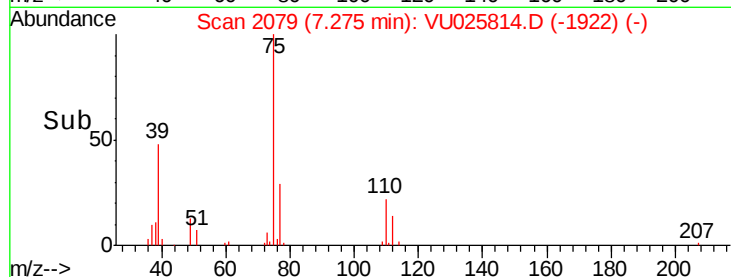
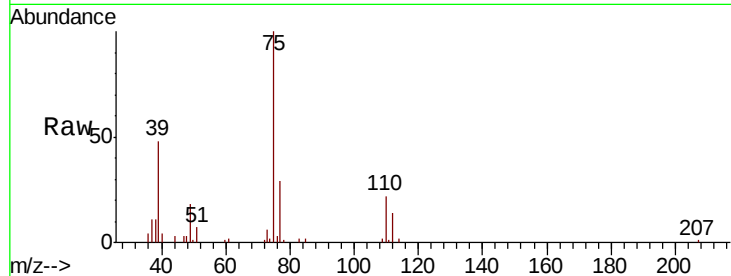
75 100

77 29.4 25.2 37.8

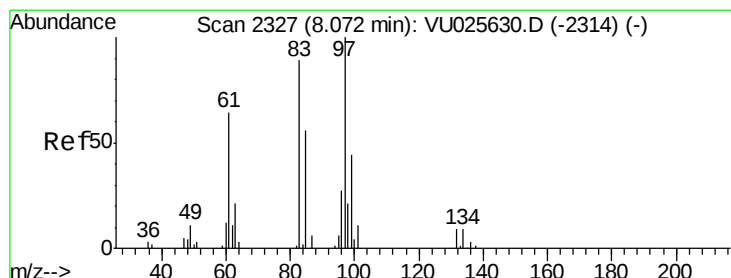
39 47.9 36.4 54.6

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 1.93 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Tgt Ion: 97 Resp: 12693

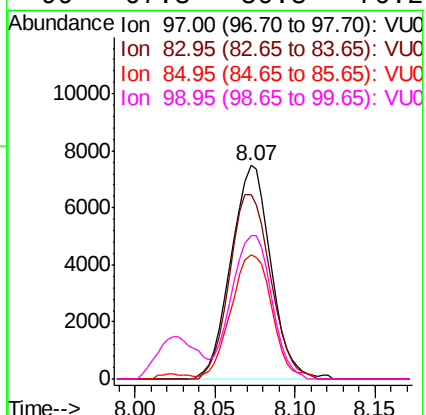
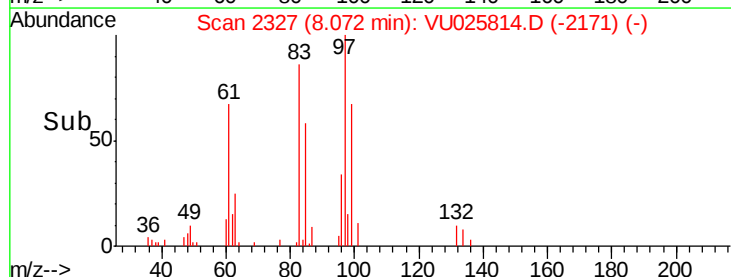
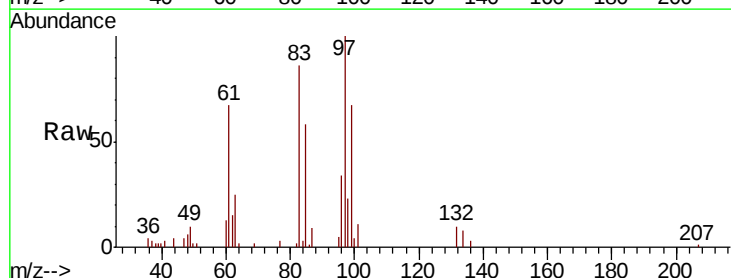
Ion Ratio Lower Upper

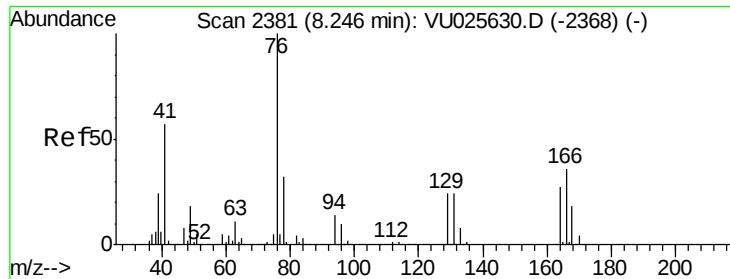
97 100

83 86.2 72.6 109.0

85 57.9 47.2 70.8

99 67.3 50.8 76.2





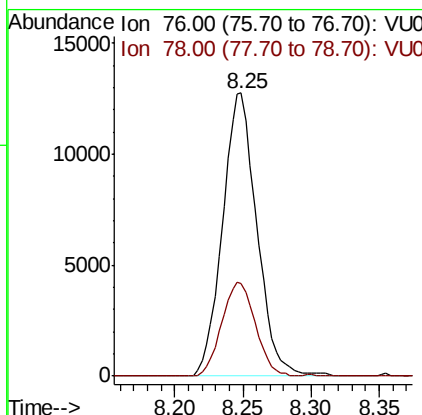
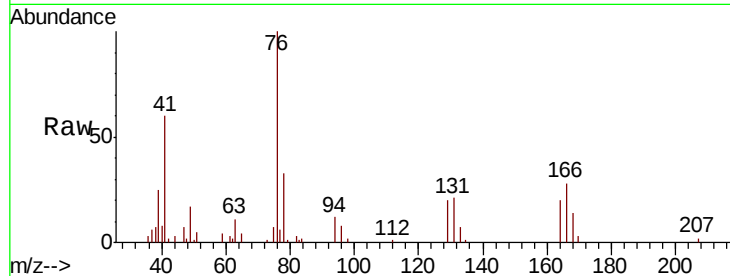
#53
 1,3-Dichloropropane
 Concen: 2.01 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampled :
 VU0803WBS01

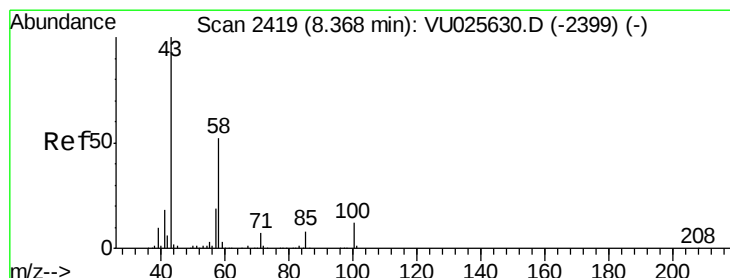
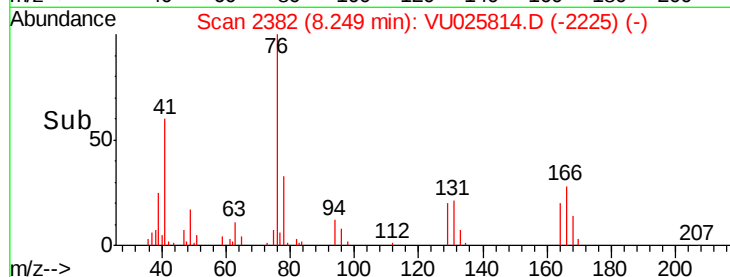
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

Manual Integrations
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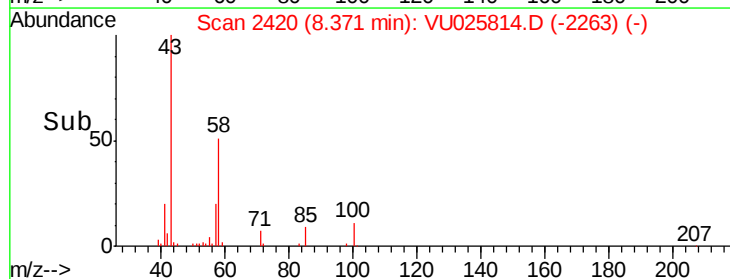
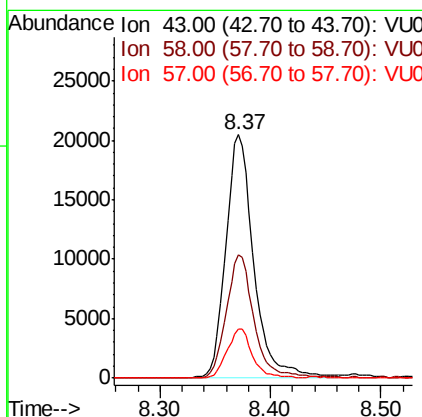
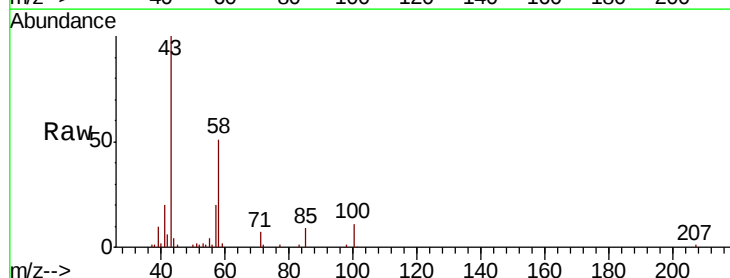


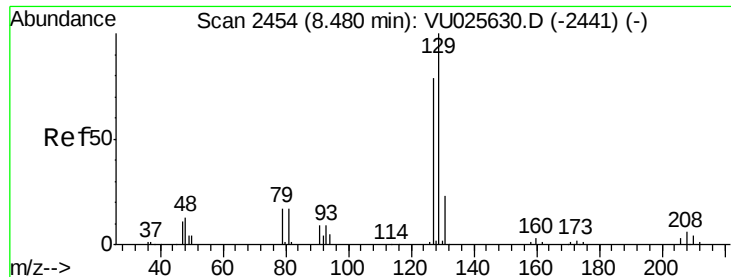
8/6/2018 5:38:52 PM



#54
 2-Hexanone
 Concen: 9.33 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.0	32.5	72.5
57	18.3	0.0	37.9





#55

Dibromochloromethane

Concen: 2.04 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion:129 Resp: 17085

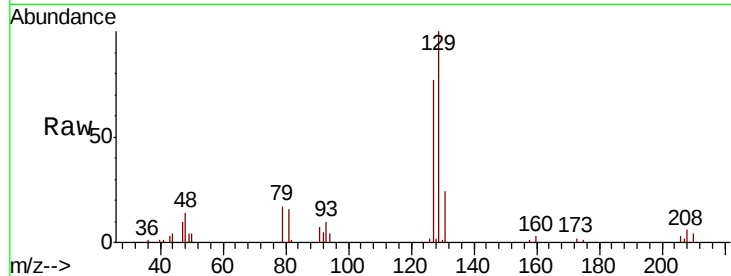
Ion Ratio Lower Upper

129 100

127 75.1 61.1 91.7

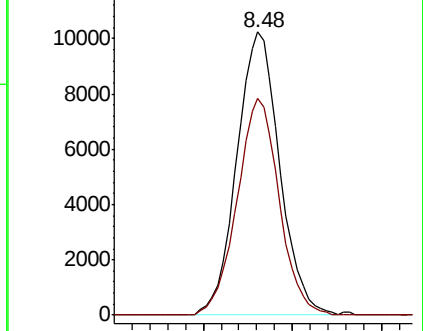
Manual Integrations
APPROVED

MMDadoda

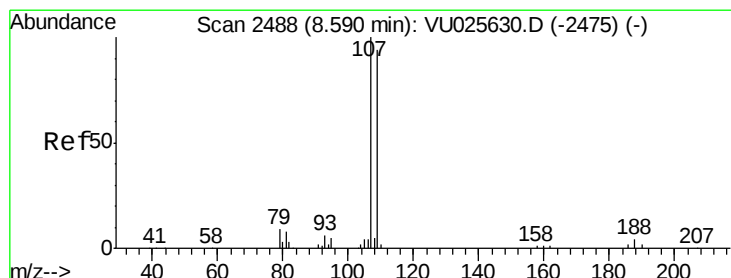
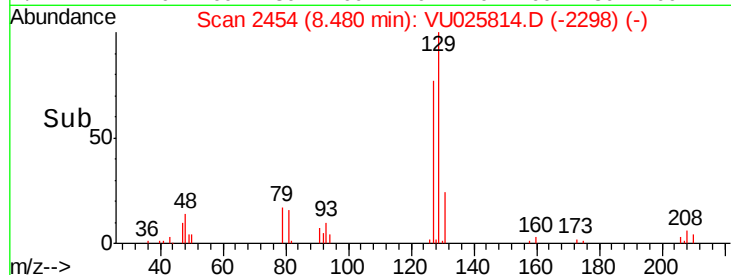


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 2.04 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025814.D

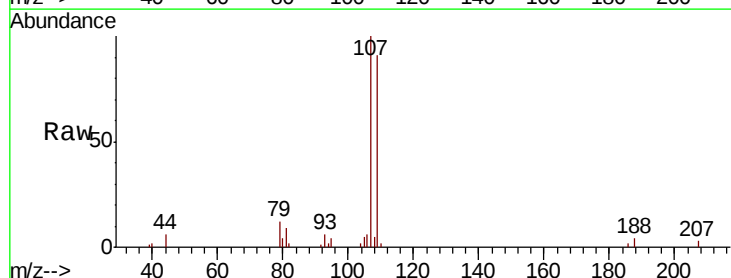
Acq: 03 Aug 2018 12:50

Tgt Ion:107 Resp: 12970

Ion Ratio Lower Upper

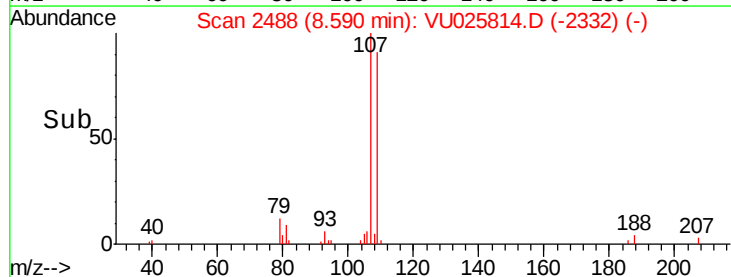
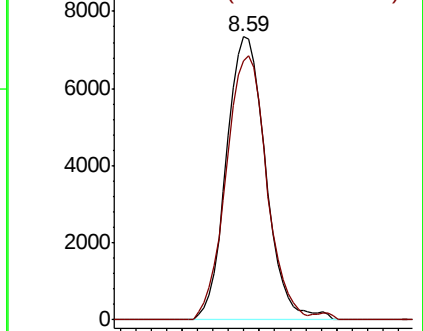
107 100

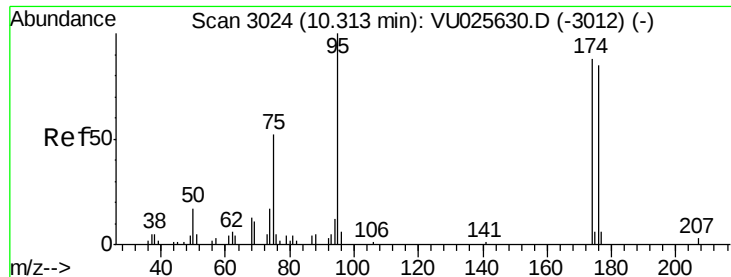
109 95.8 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





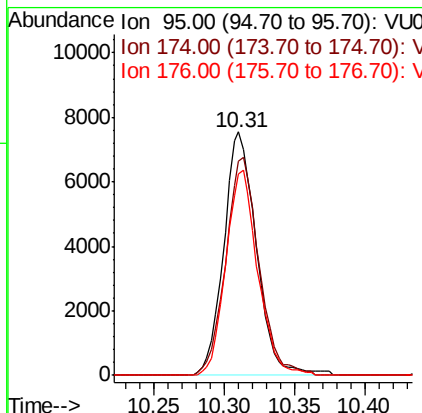
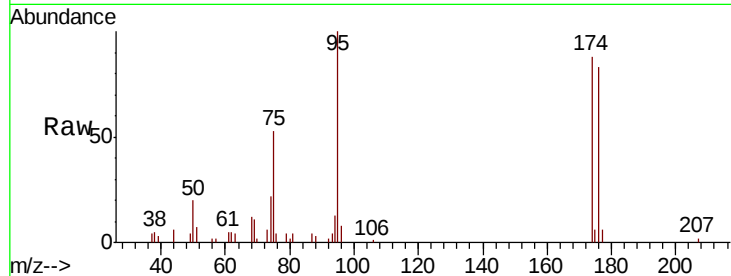
#57
4-Bromofluorobenzene
Concen: 2.04 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

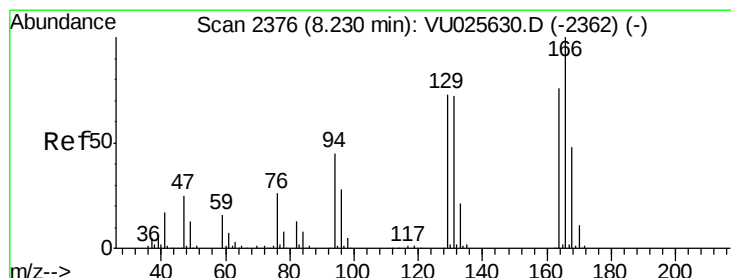
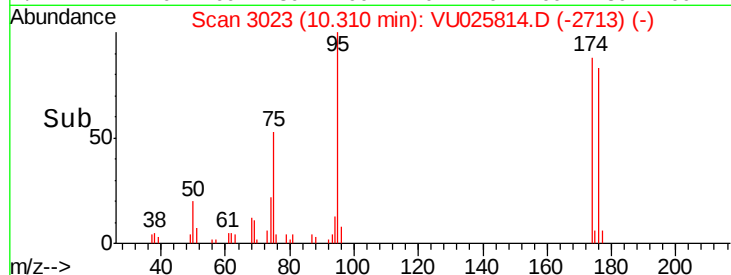
Tot Ion:	95	Resp:	12212
Ion Ratio	Lower	Upper	
95	100		
174	91.0	65.6	98.4
176	82.3	62.0	93.0

Manual Integrations
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MM Dadoda

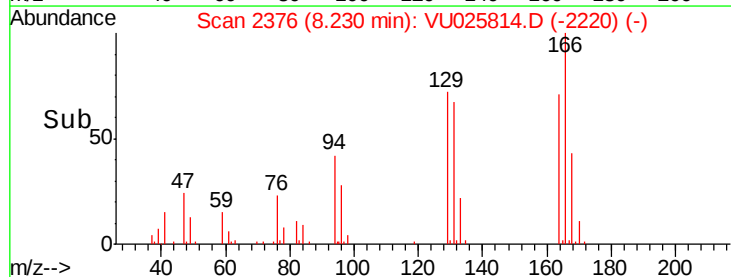
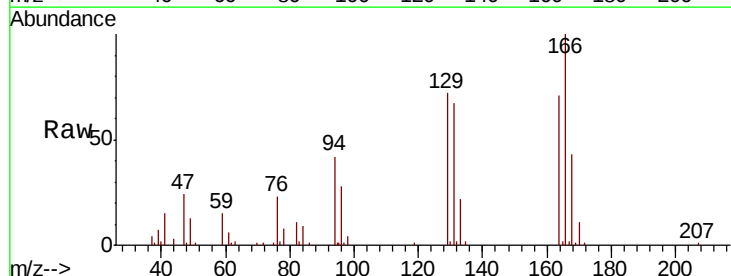
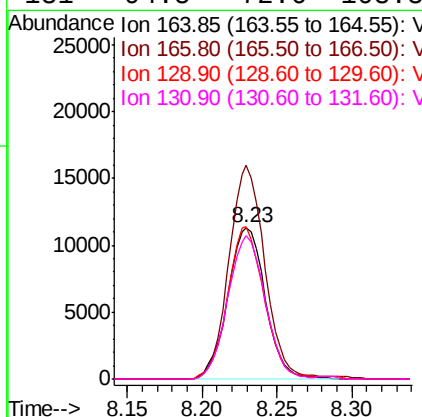


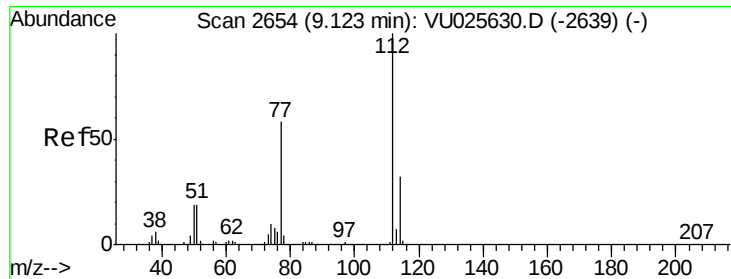
8/6/2018 5:38:52 PM



#58
Tetrachloroethene
Concen: 2.06 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion:	164	Resp:	19765
Ion Ratio	Lower	Upper	
164	100		
166	140.8	104.1	156.1
129	100.8	76.8	115.2
131	94.5	72.6	108.8





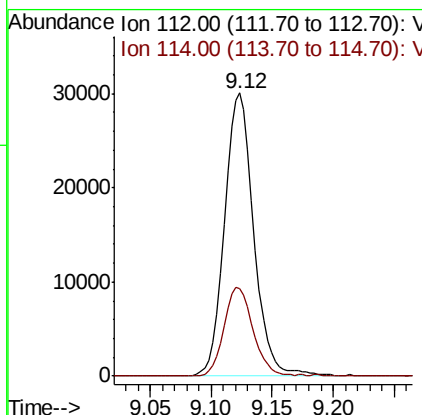
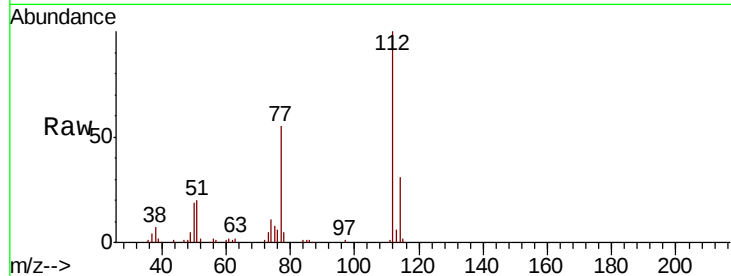
#59
Chlorobenzene
Concen: 1.98 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

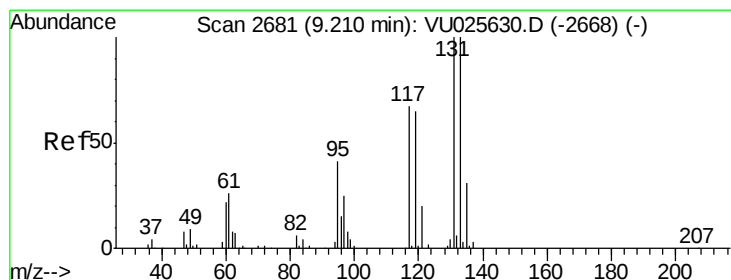
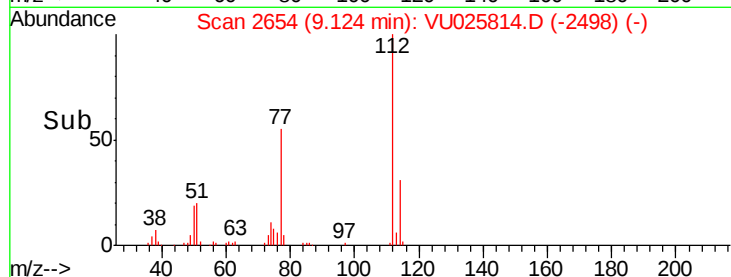
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.2

Manual Integrations
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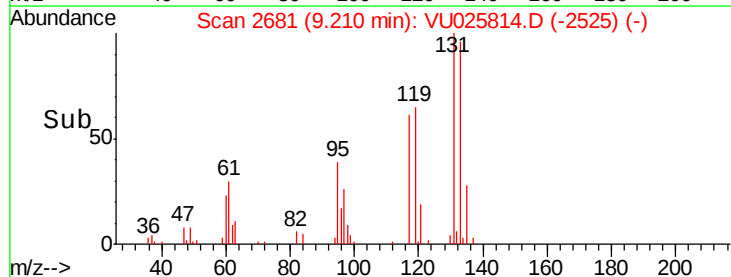
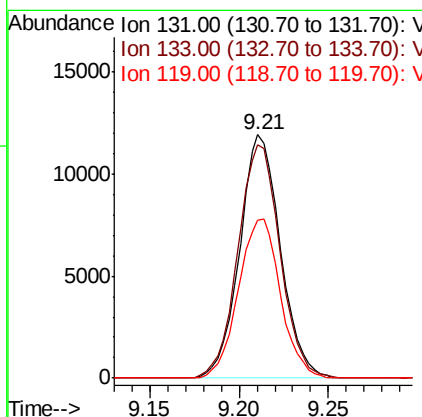
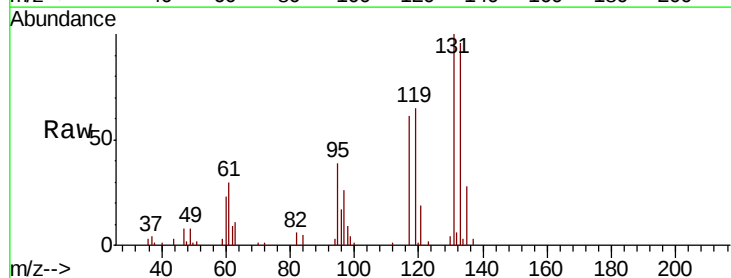


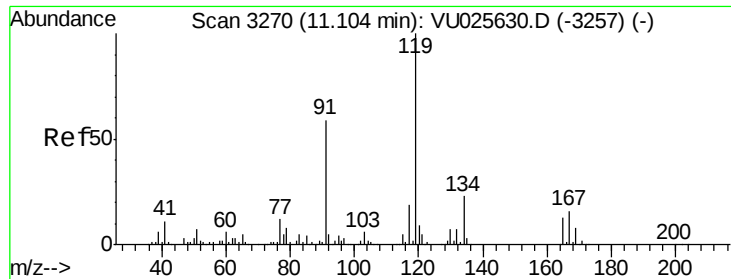
8/6/2018 5:38:52 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.01 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.8	75.8	113.8
119	67.2	53.0	79.6





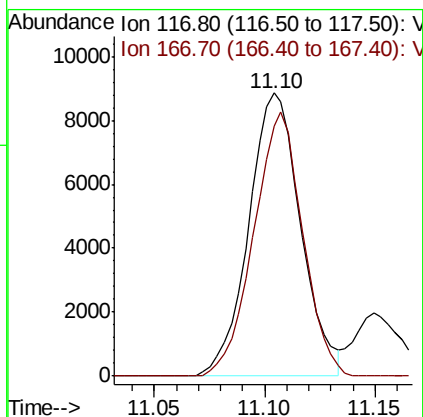
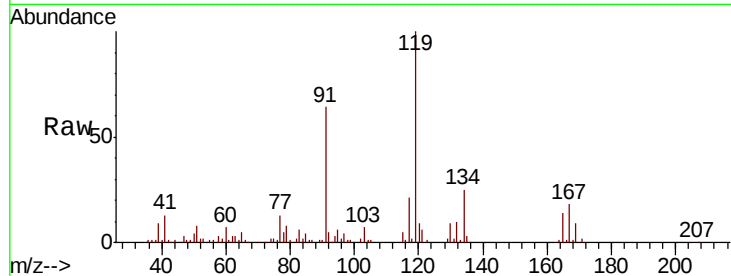
#61
 Pentachloroethane
 Concen: 2.01 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

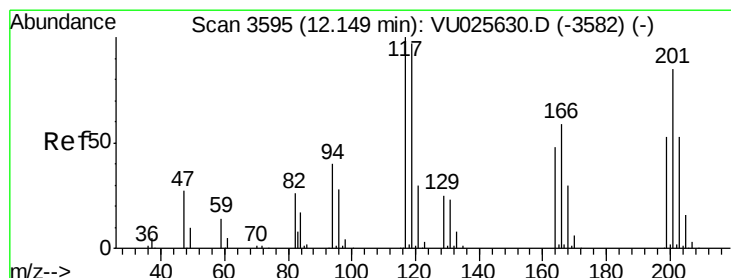
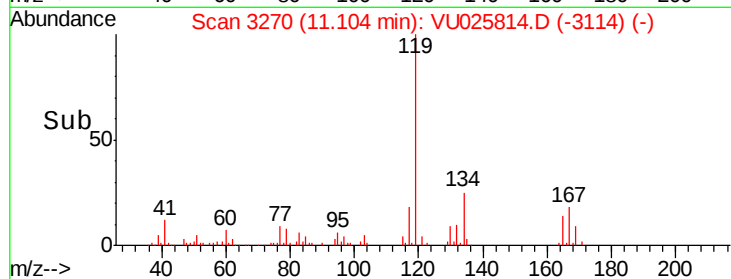
Tot Ion	Ratio	Lower	Upper
117	100		
167	87.9	69.2	103.8

Manual Integrations
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MMDadoda

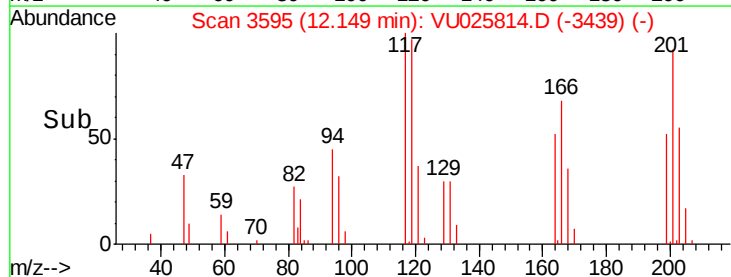
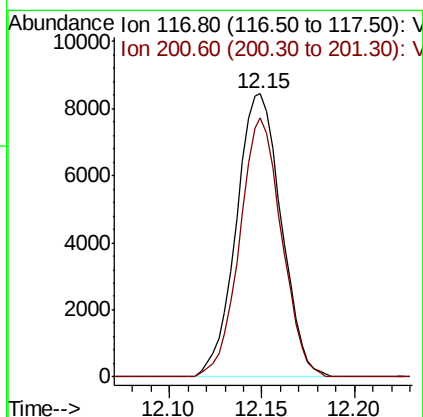
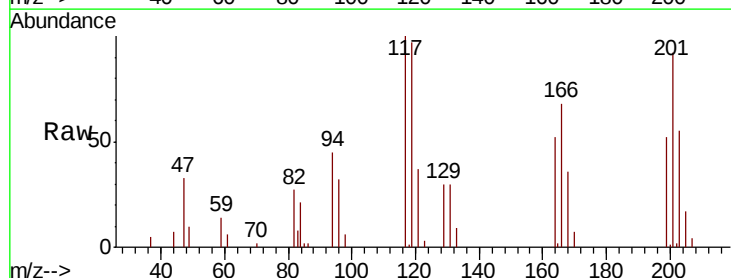


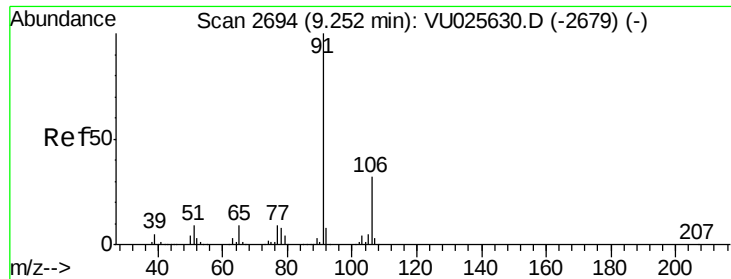
8/6/2018 5:38:52 PM



#62
 Hexachloroethane
 Concen: 1.92 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	68.7	103.1





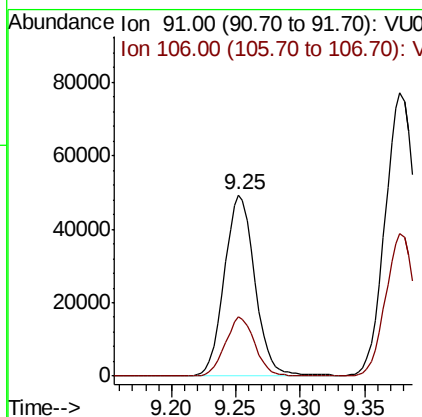
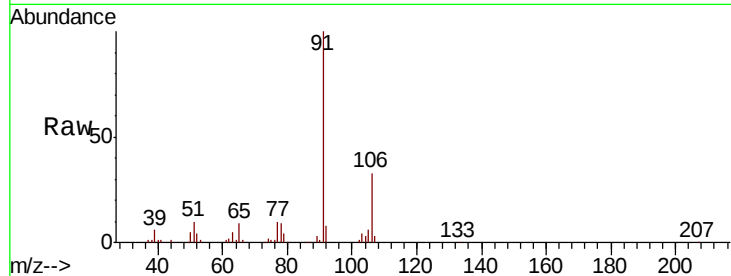
#63
Ethyl Benzene
Concen: 1.92 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

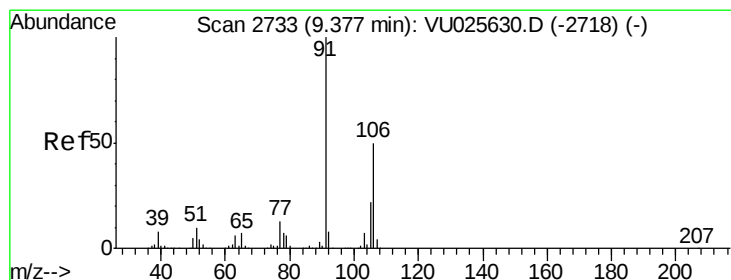
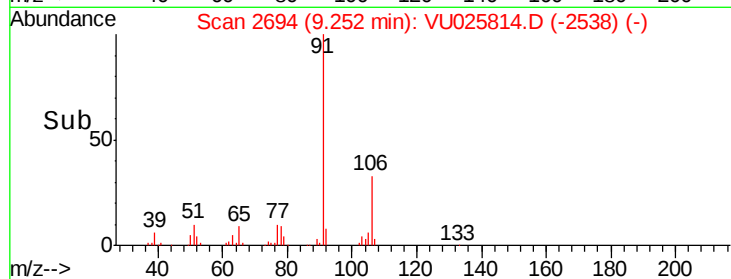
Tot Ion: 91 Resp: 81309
Ion Ratio Lower Upper
91 100
106 32.6 24.7 37.1

Manual Integrations
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MM Dadoda

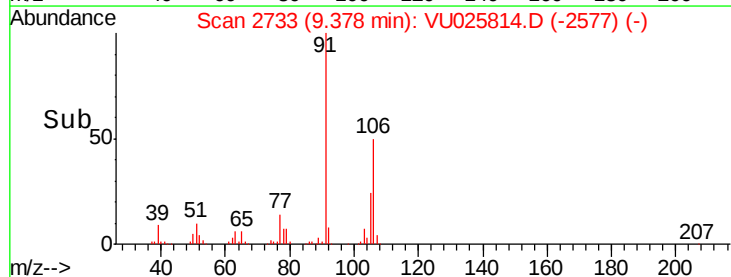
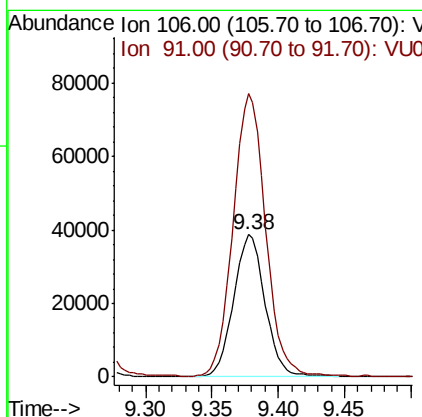
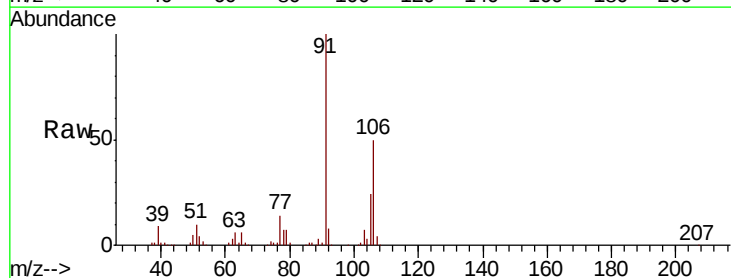


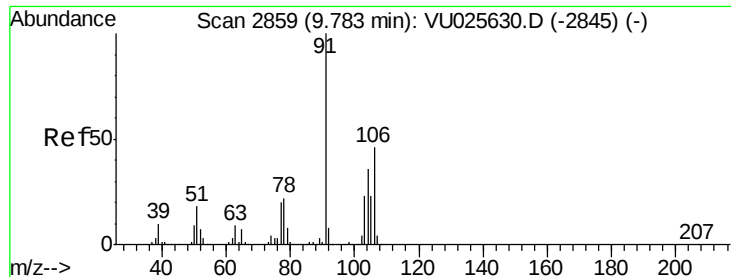
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#64
m/p-Xylenes
Concen: 3.84 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion: 106 Resp: 63953
Ion Ratio Lower Upper
106 100
91 204.3 164.1 246.1





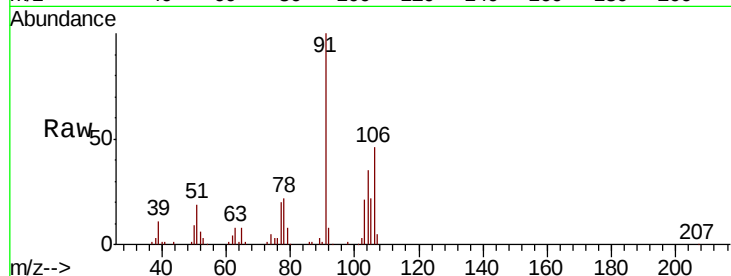
#65
o-Xylene
Concen: 1.91 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

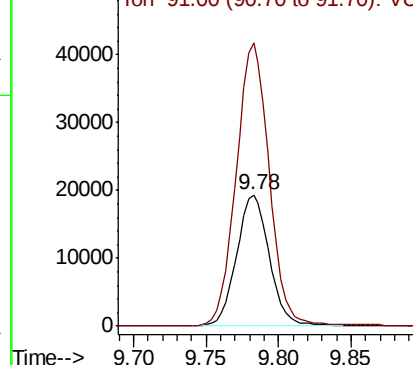
Tot Ion	Ratio	Lower	Upper
106	100		
91	217.2	107.9	323.7

Manual Integrations
APPROVED

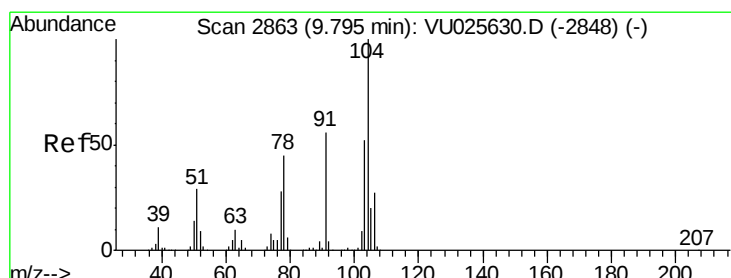
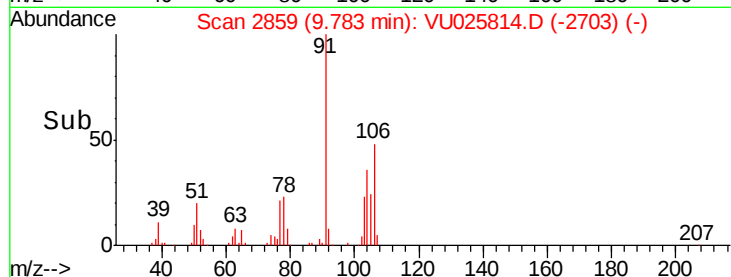
MMDadoda



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

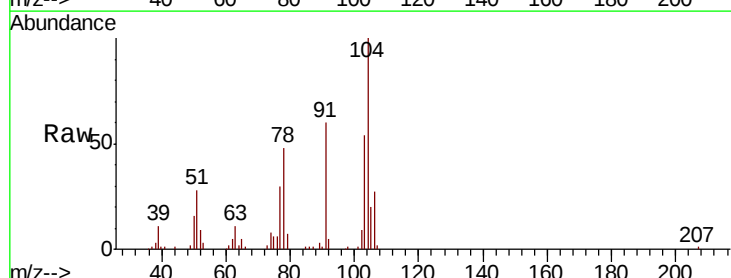


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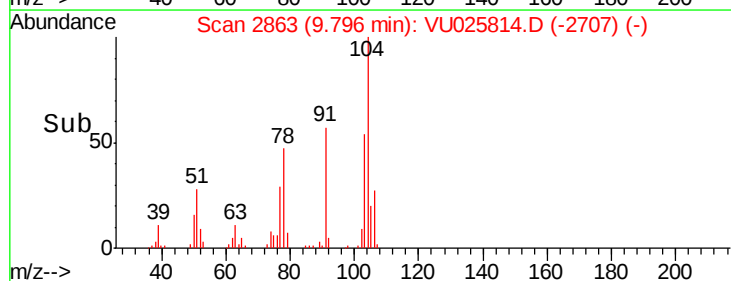
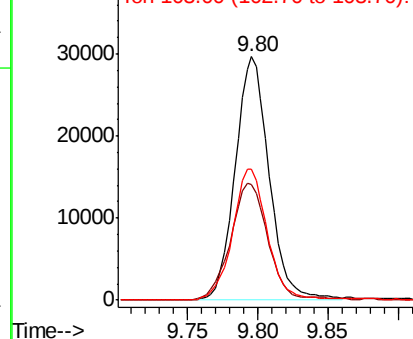


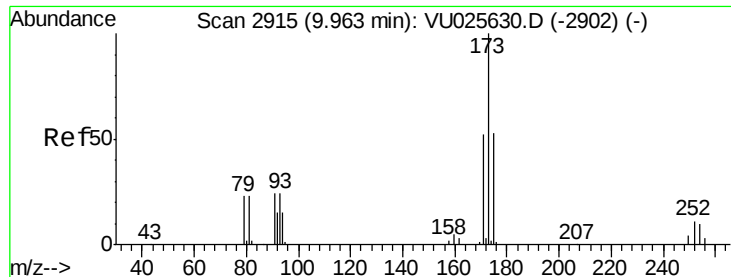
#66
Styrene
Concen: 1.86 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	40.2	60.2
103	55.3	44.2	66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





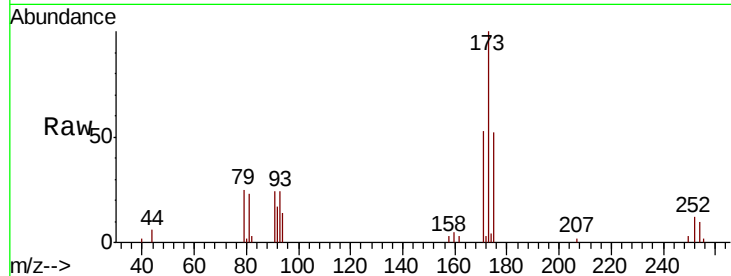
#67
Bromoform
Concen: 1.93 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	38.6	57.8
254	8.6	8.8	13.2#

Manual Integrations
APPROVED

MMDadoda

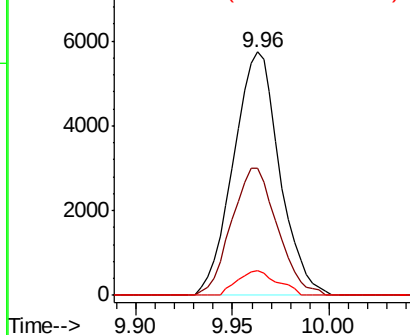


Abundance

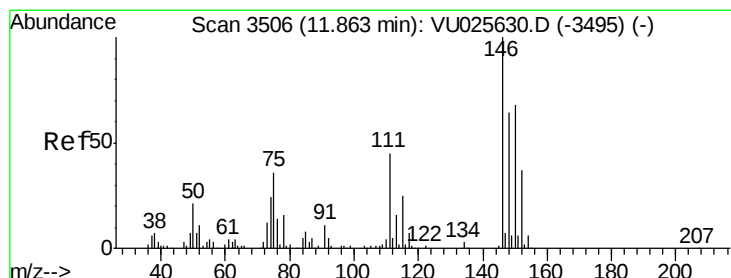
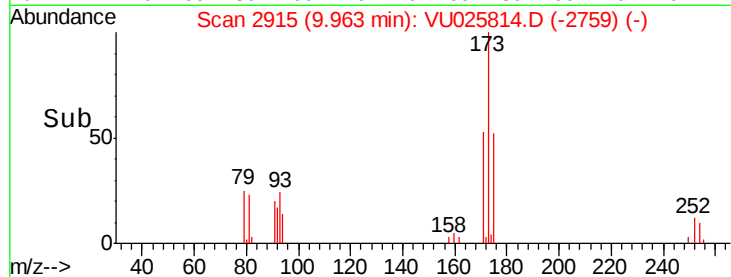
Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

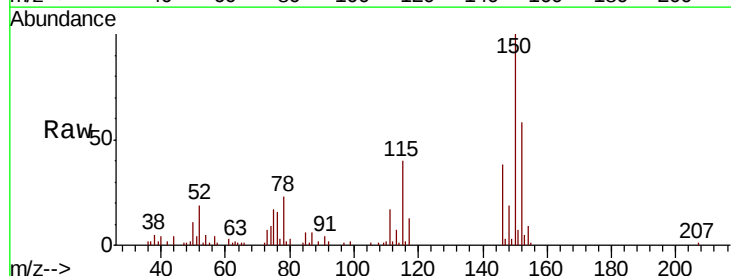


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#68
1,2-Dichlorobenzene-d4
Concen: 1.93 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.5	0.0	118.8
150	196.4	0.0	0.0#

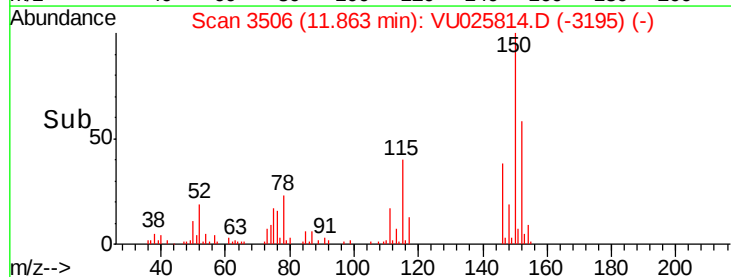
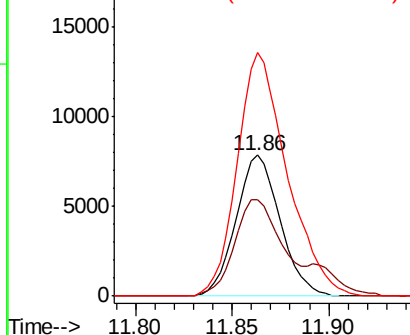


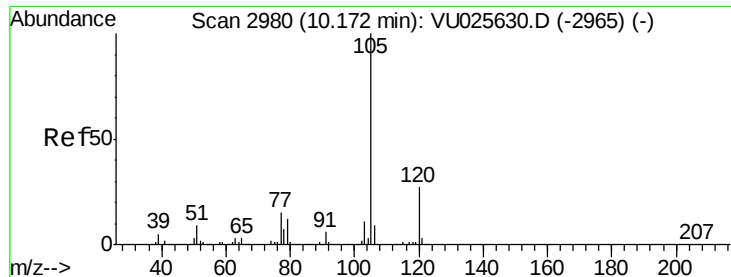
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.92 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion:105 Resp: 82266

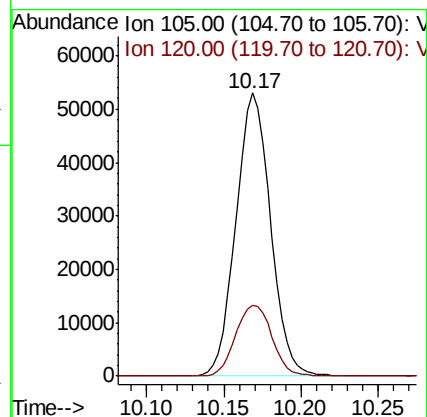
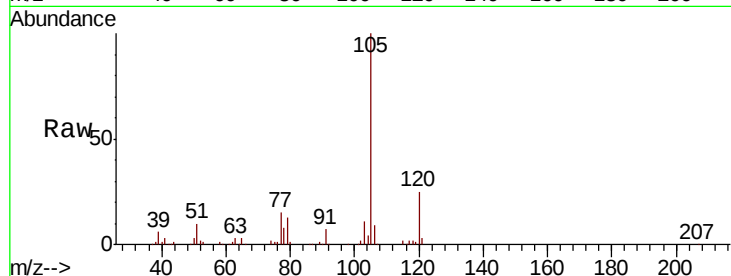
Ion Ratio Lower Upper

105 100

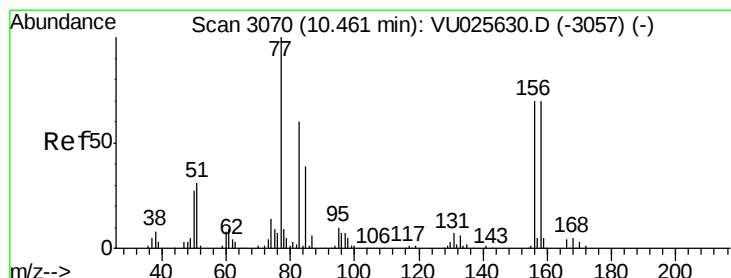
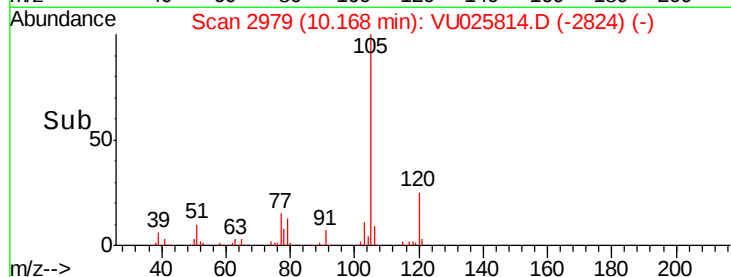
120 26.4 13.1 39.3

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 1.95 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

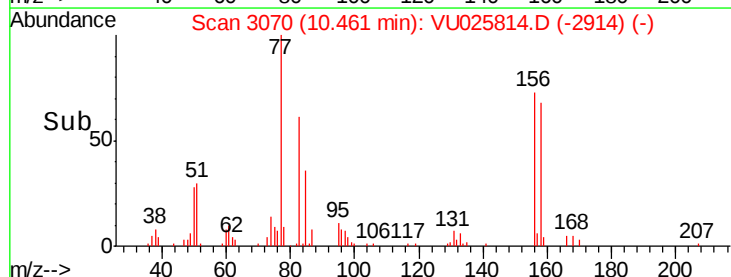
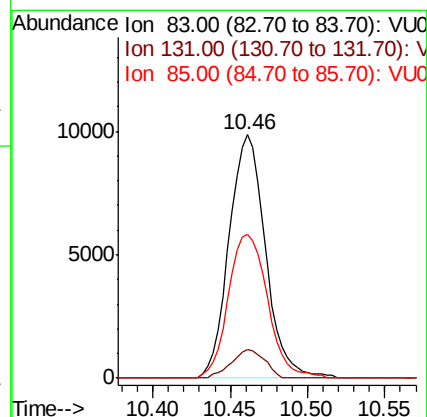
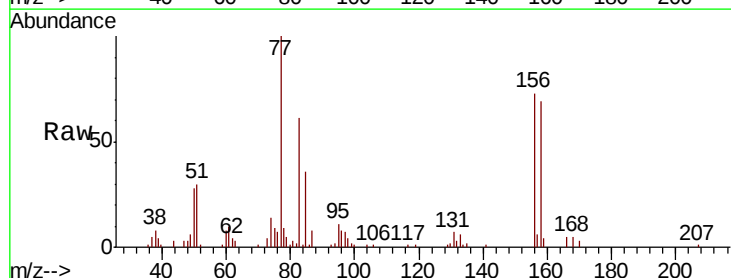
Tgt Ion: 83 Resp: 16103

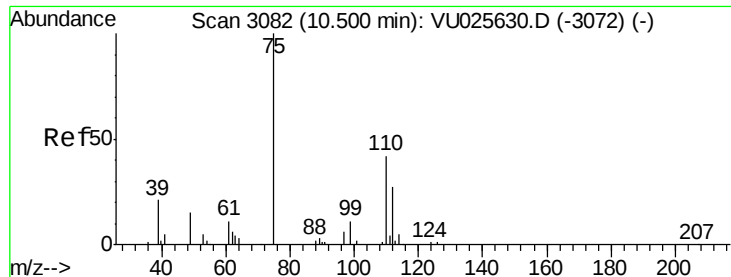
Ion Ratio Lower Upper

83 100

131 10.6 7.9 11.9

85 63.8 51.8 77.6





#71
1,2,3-Trichloropropane
Concen: 1.70 ug/l
RT: 10.50 min Scan# 3081
Delta R.T. -0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

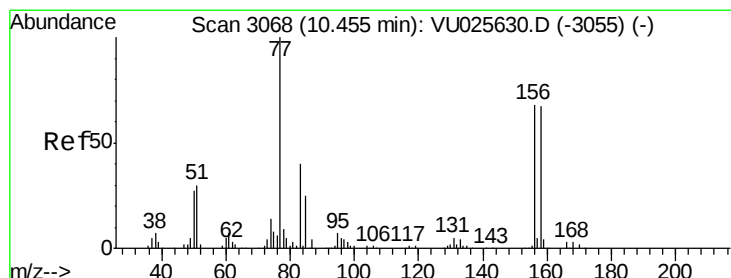
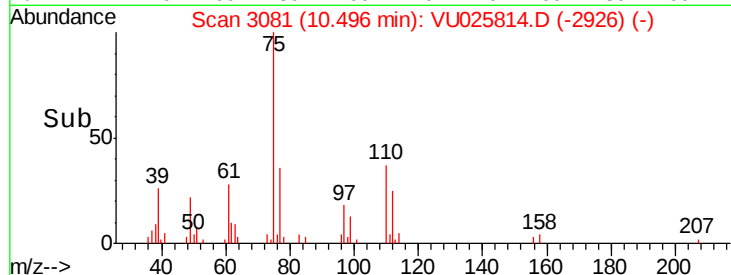
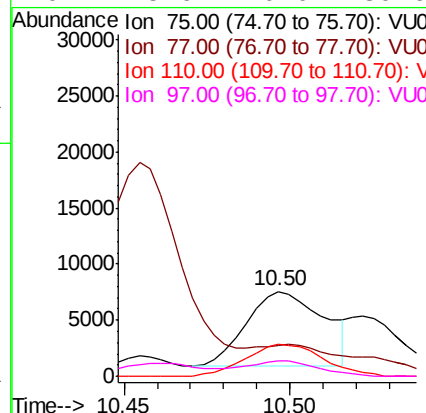
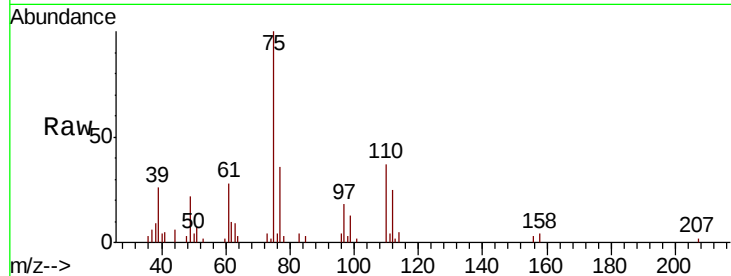
Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	42.1	0.0	74.0
97	18.6	0.0	39.6

Manual Integrations
APPROVED

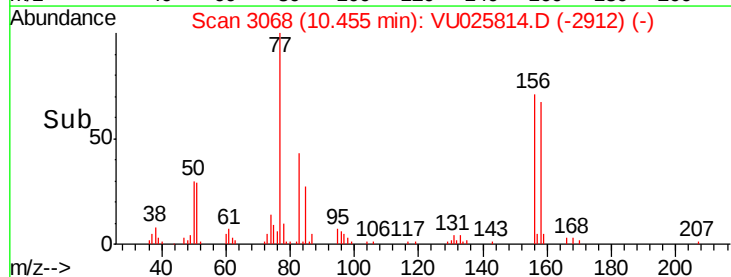
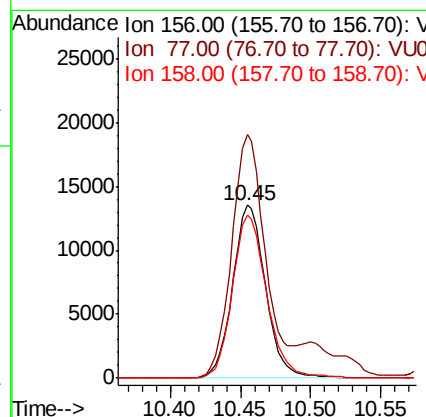
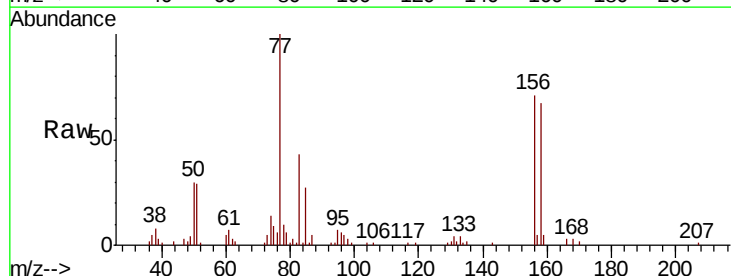
MMDadoda

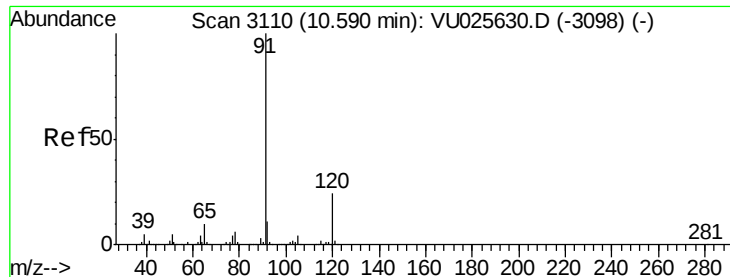
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#72
Bromobenzene
Concen: 1.99 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.9	0.0	309.8
158	98.4	0.0	193.0





#73

n-propylbenzene

Concen: 1.88 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion:120 Resp: 22744

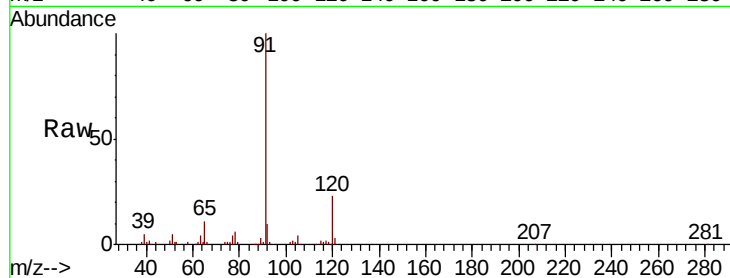
Ion Ratio Lower Upper

120 100

91 434.6 352.2 528.4

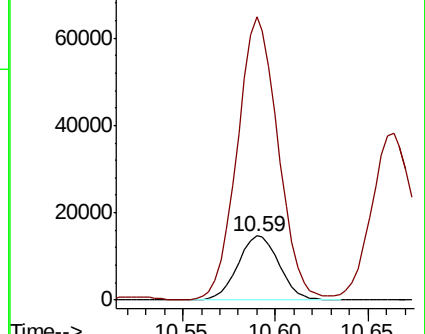
Manual Integrations
APPROVED

MMDadoda

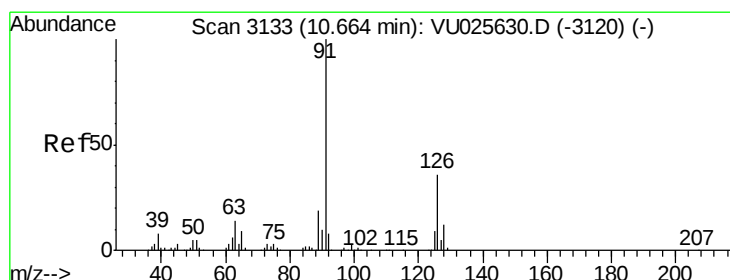
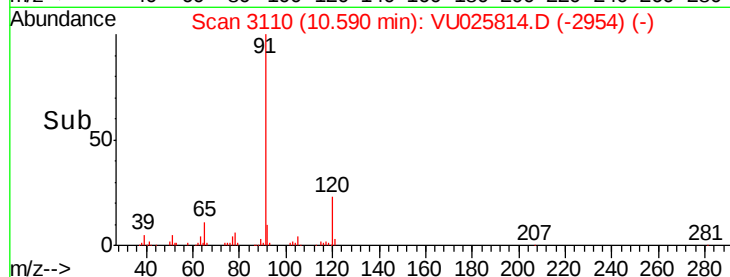


Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 1.90 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025814.D

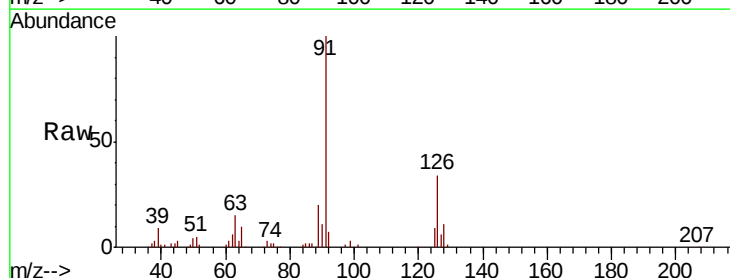
Acq: 03 Aug 2018 12:50

Tgt Ion:126 Resp: 20212

Ion Ratio Lower Upper

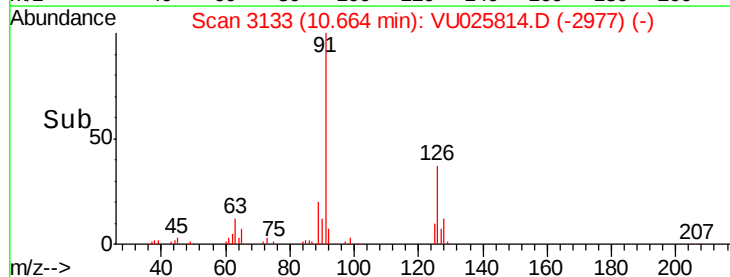
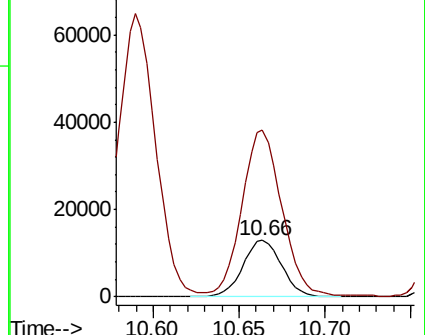
126 100

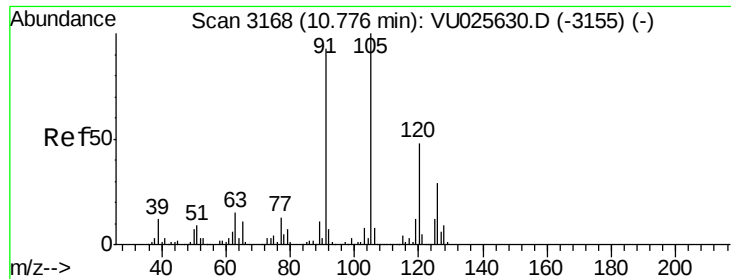
91 298.6 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.92 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampled :

VU0803WBS01

Tot Ion:105 Resp: 72060

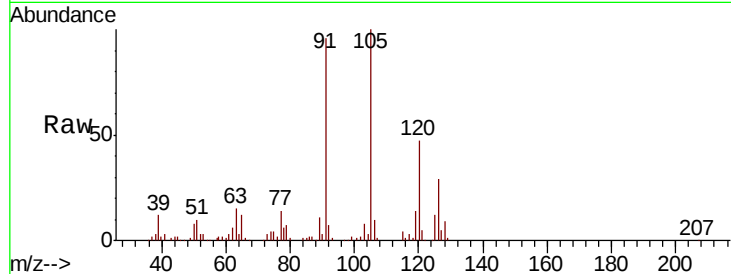
Ion Ratio Lower Upper

105 100

120 46.8 39.0 58.6

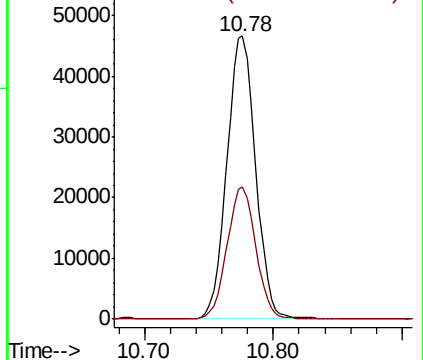
Manual Integrations
APPROVED

MMDadoda

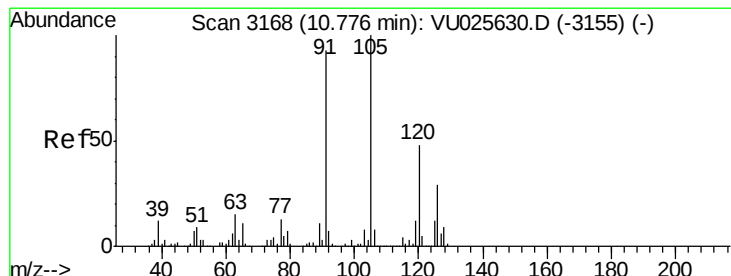
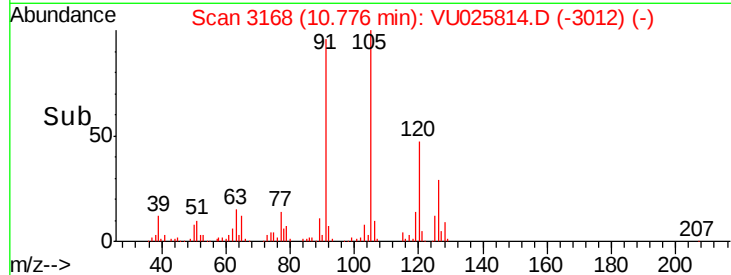


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



8/6/2018 5:38:52 PM



#76

4-Chlorotoluene

Concen: 1.97 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025814.D

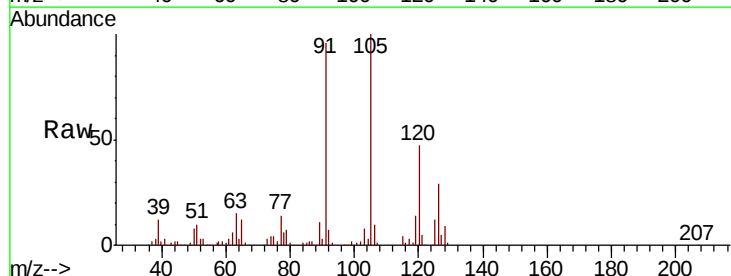
Acq: 03 Aug 2018 12:50

Tgt Ion:126 Resp: 22072

Ion Ratio Lower Upper

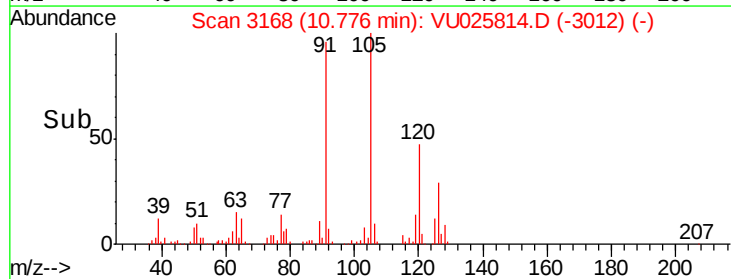
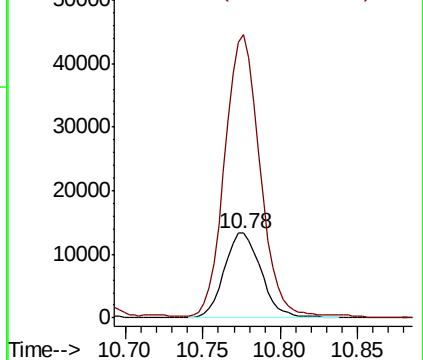
126 100

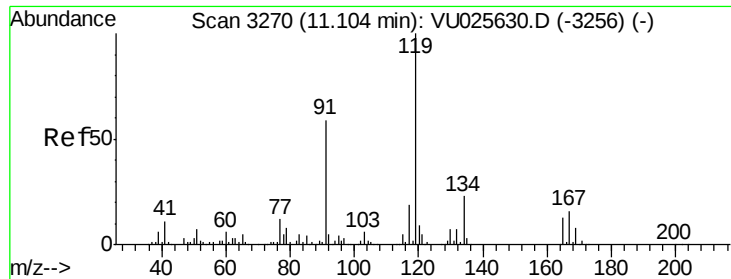
91 323.3 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.88 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

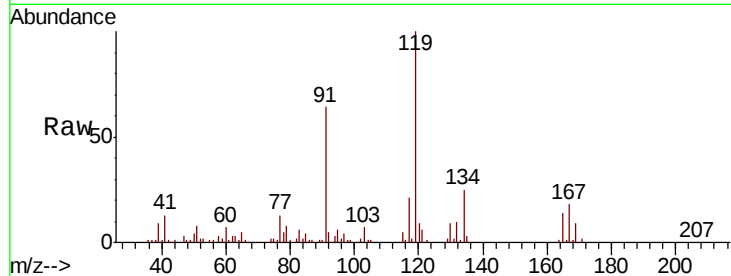
ClientSampleId :

VU0803WBS01

Tot Ion:	119	Resp:	69259
Ion Ratio	Lower	Upper	
119	100		
91	60.9	29.6	88.8
134	24.3	19.1	28.7

Manual Integrations
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MM Dadoda

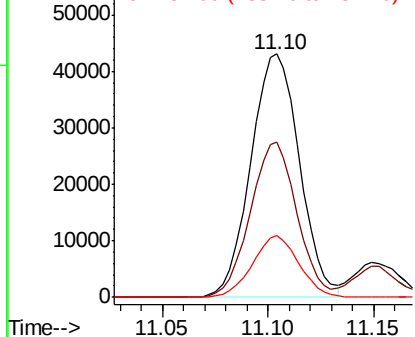


Abundance

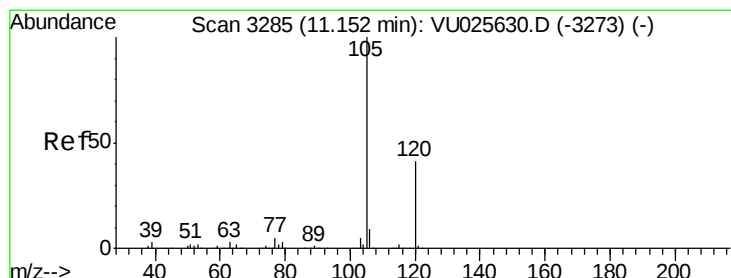
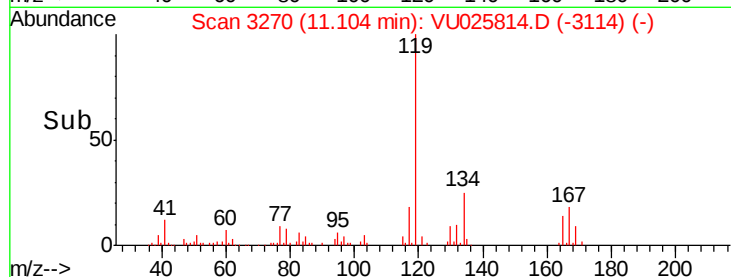
Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



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#78

1,2,4-Trimethylbenzene

Concen: 1.93 ug/l

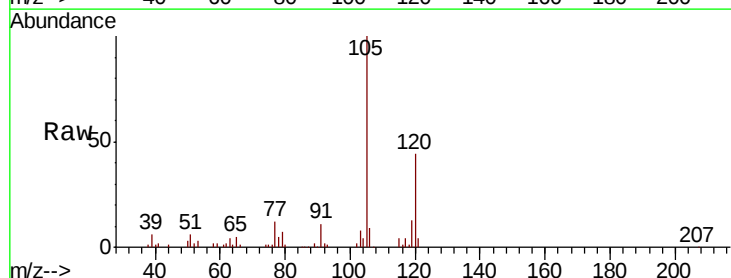
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

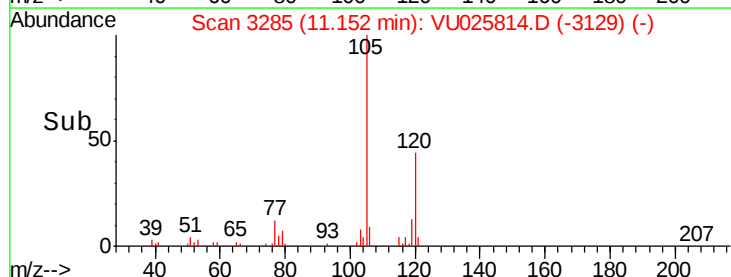
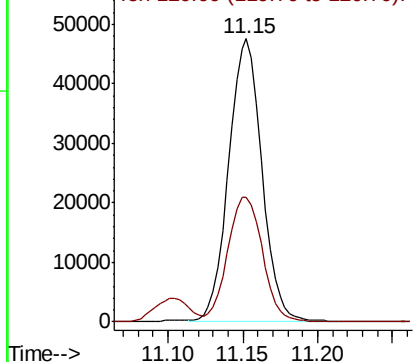
Tgt Ion:	105	Resp:	73768
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.1	69.3

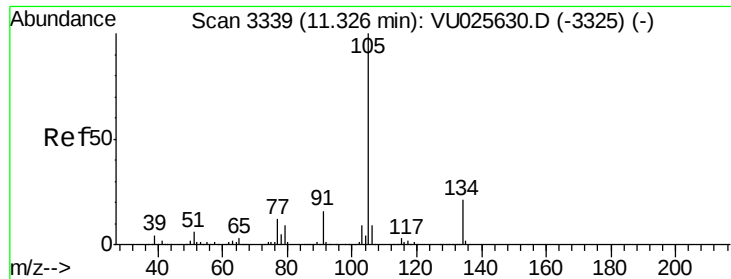


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





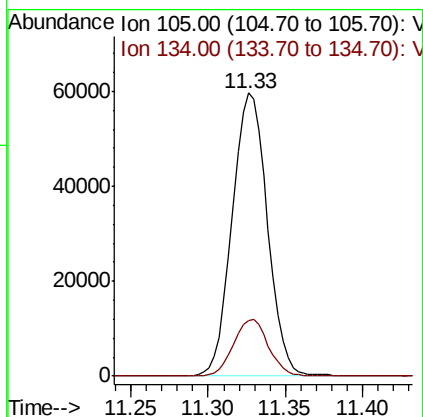
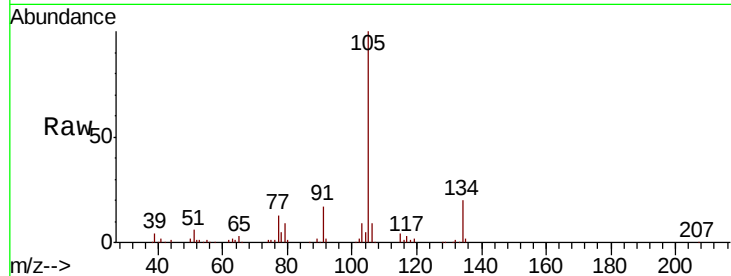
#79
 sec-Butylbenzene
 Concen: 1.94 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

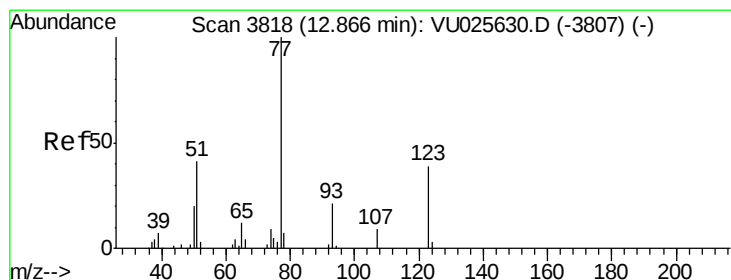
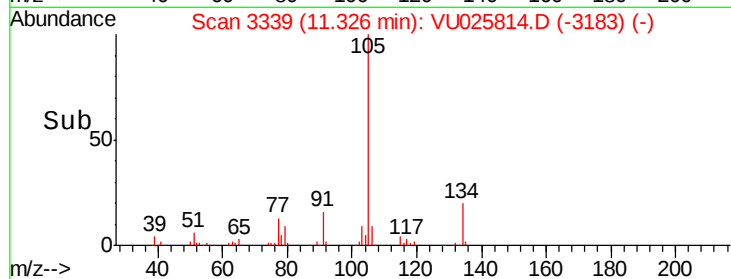
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	15.6	23.4

Manual Integrations
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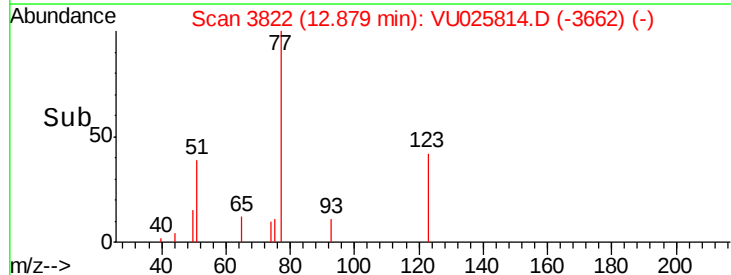
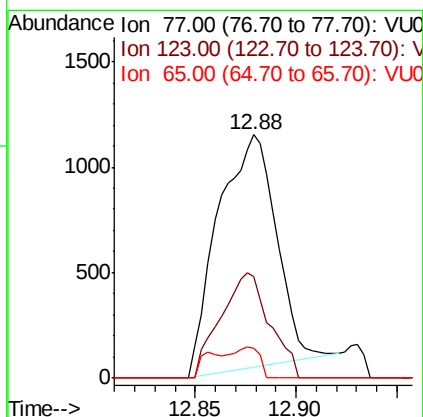
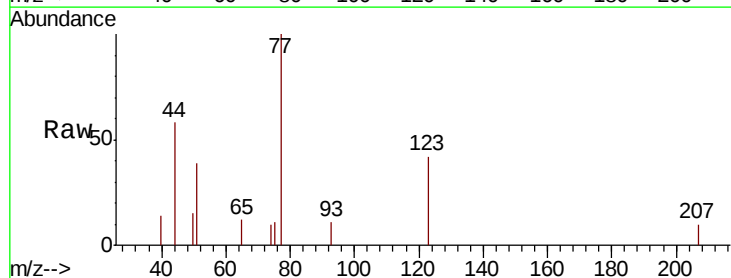


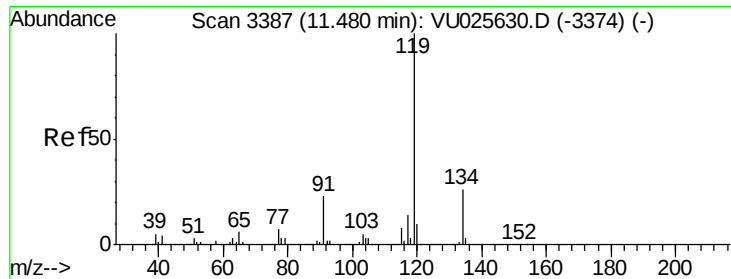
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#80
 Nitrobenzene
 Concen: 8.86 ug/l
 RT: 12.88 min Scan# 3822
 Delta R.T. 0.01 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.9	19.4	68.6
65	5.6	11.2	14.2#





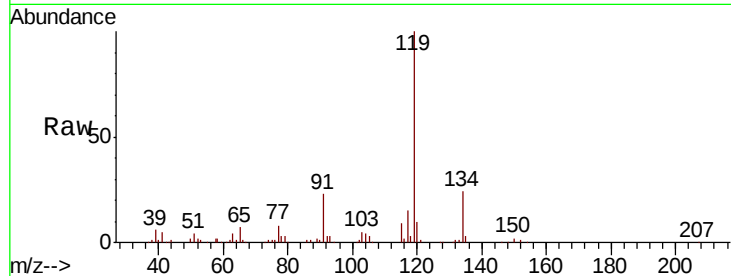
#81
 p-Isopropyltoluene
 Concen: 1.92 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.9	31.3
91	23.8	18.2	27.2

Manual Integrations
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MM Dadoda

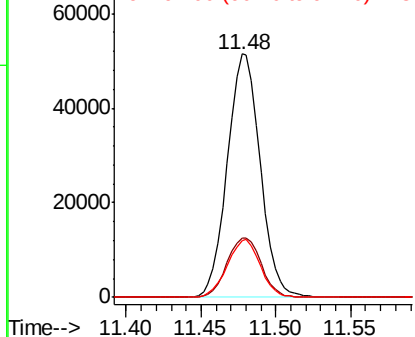


Abundance

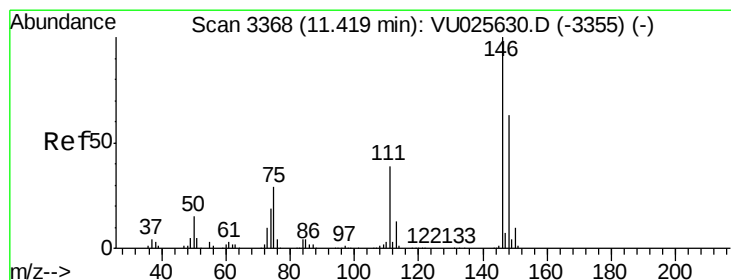
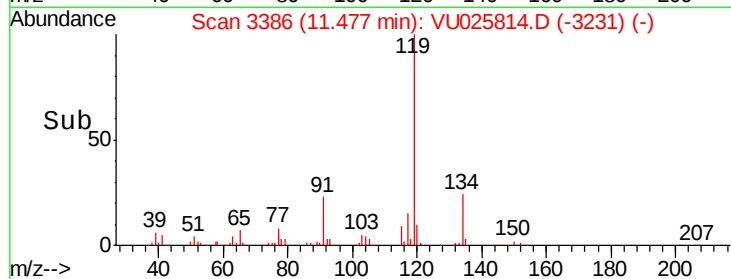
Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

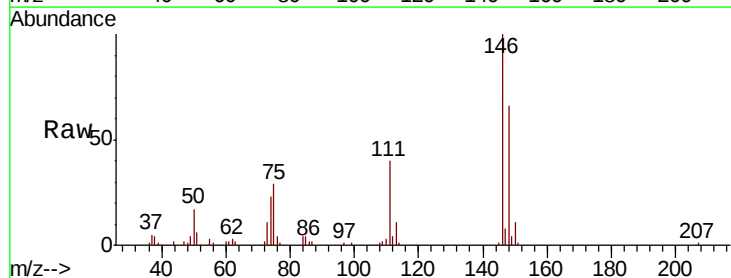


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#82
 1,3-Dichlorobenzene
 Concen: 1.96 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	31.8	47.6
148	64.7	51.0	76.4

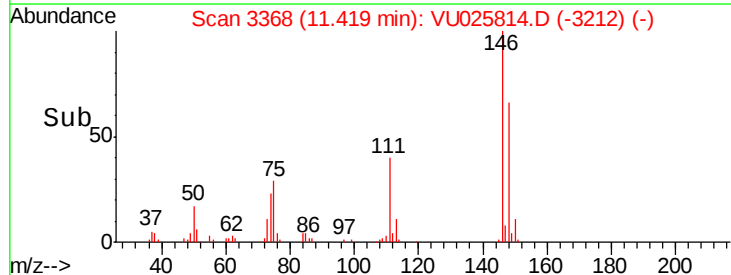
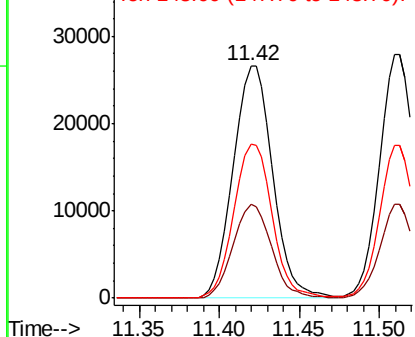


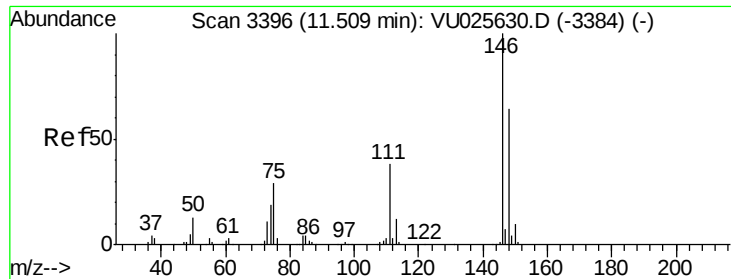
Abundance

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





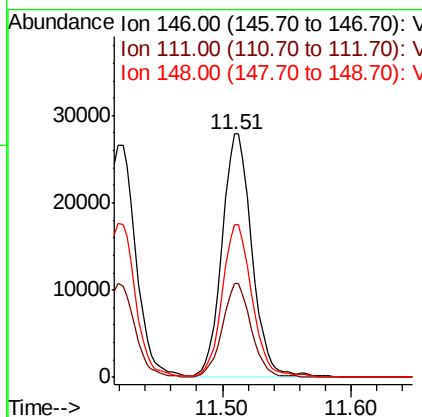
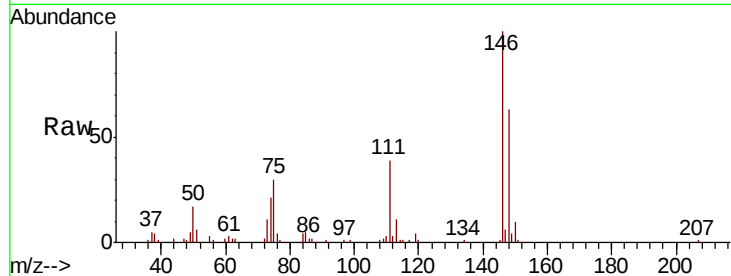
#83
 1,4-Dichlorobenzene
 Concen: 2.02 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampled :
 VU0803WBS01

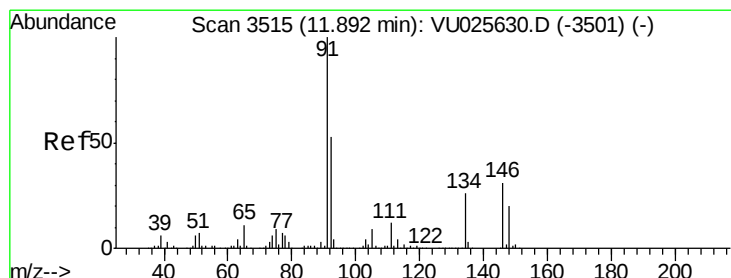
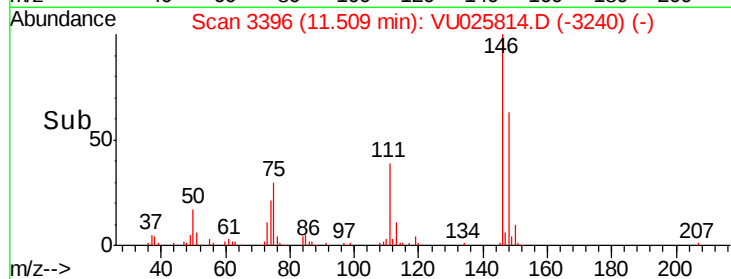
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	30.1	45.1
148	62.8	50.6	76.0

Manual Integrations
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MM Dadoda

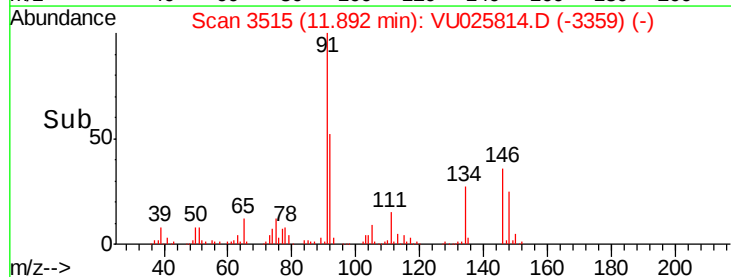
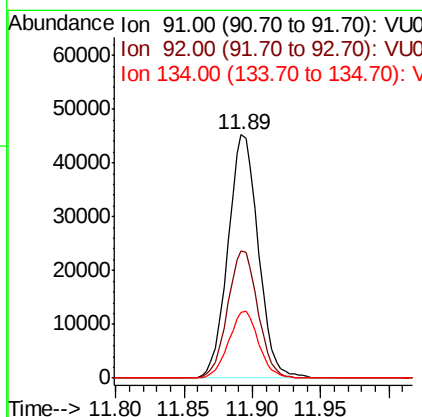
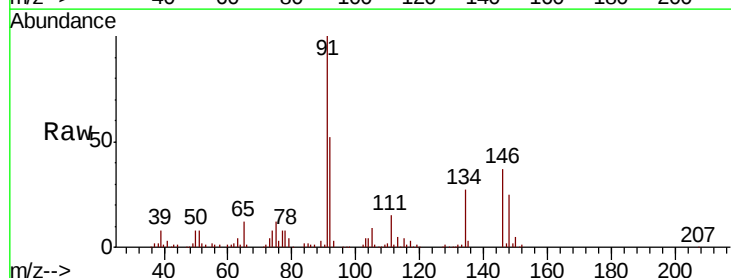


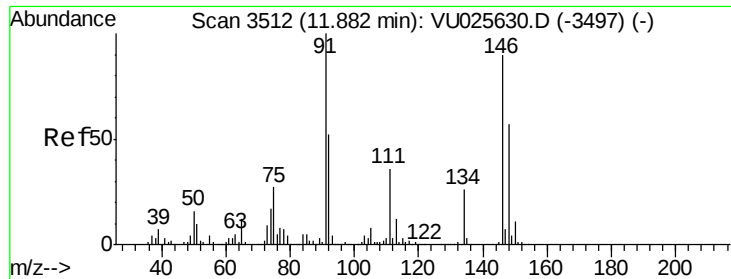
8/6/2018 5:38:52 PM



#84
 n-Butylbenzene
 Concen: 1.81 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	42.2	63.2
134	27.0	20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 2.00 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBS01

Tot Ion:146 Resp: 41782

Ion Ratio Lower Upper

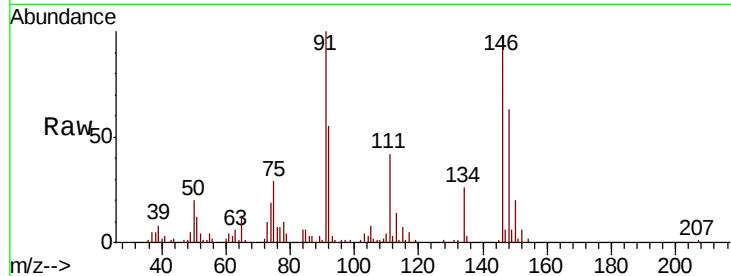
146 100

111 41.3 20.7 62.1

148 62.9 31.9 95.5

Manual Integrations
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MMDadoda

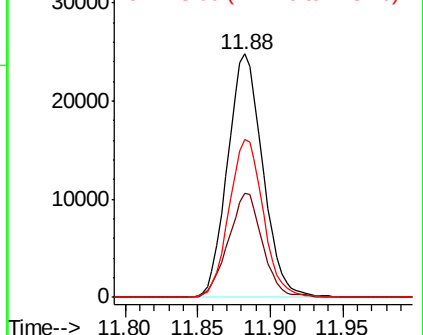


Abundance

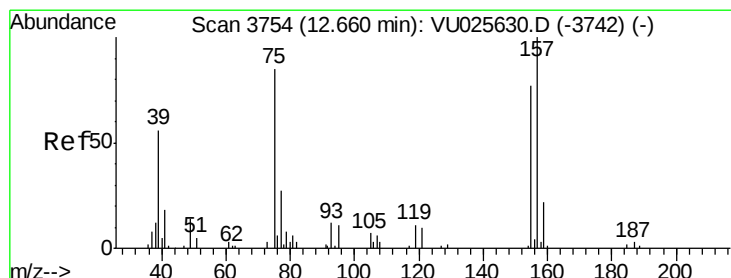
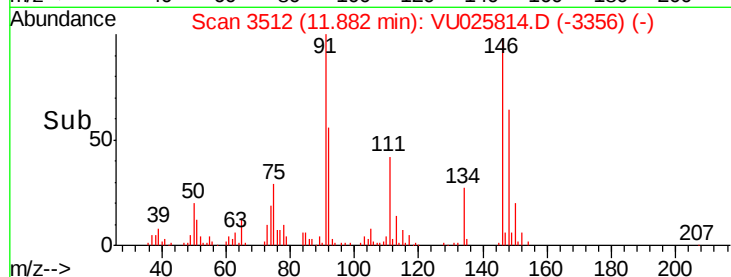
Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



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#86

1,2-Dibromo-3-Chloropropane

Concen: 2.02 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU025814.D

Acq: 03 Aug 2018 12:50

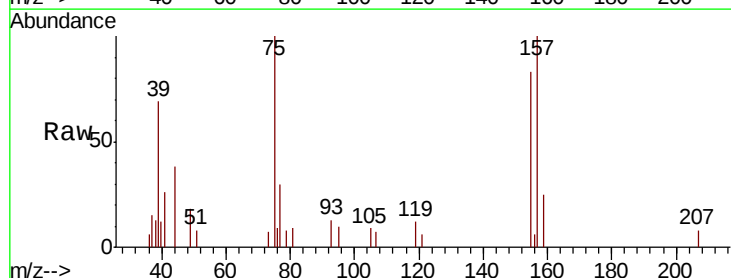
Tgt Ion: 75 Resp: 2755

Ion Ratio Lower Upper

75 100

155 77.6 65.8 98.6

157 106.1 83.5 125.3

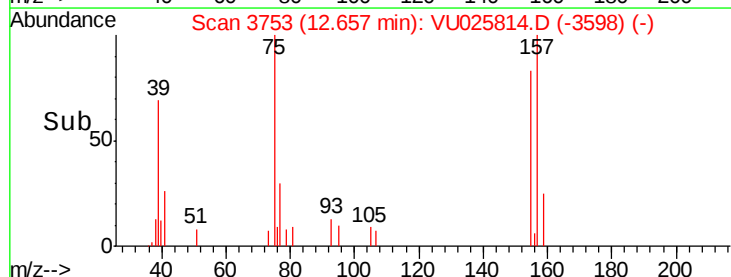
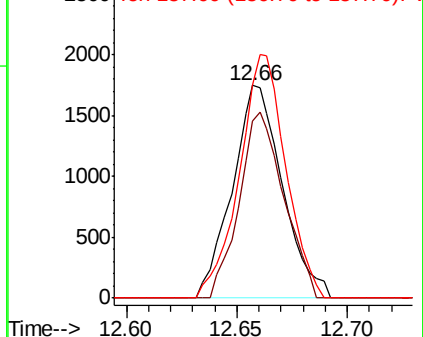


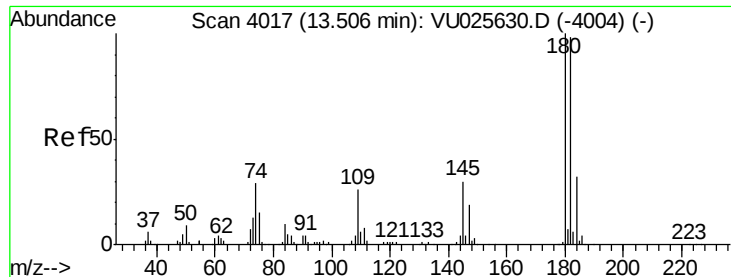
Abundance

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





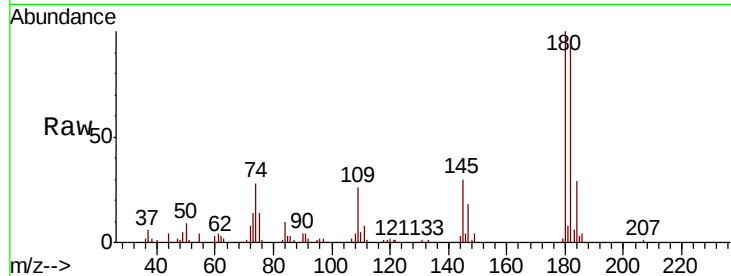
#87
 1,2,4-Trichlorobenzene
 Concen: 1.90 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBS01

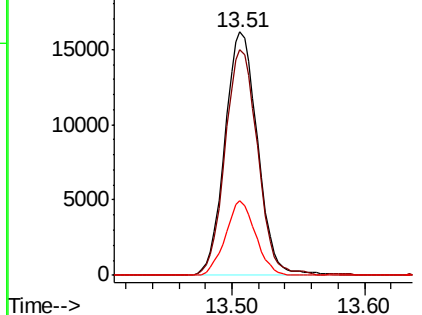
Tot Ion:	180	Resp:	27655
Ion Ratio	Lower	Upper	
180	100		
182	92.5	77.1	115.7
145	27.8	23.3	34.9

Manual Integrations
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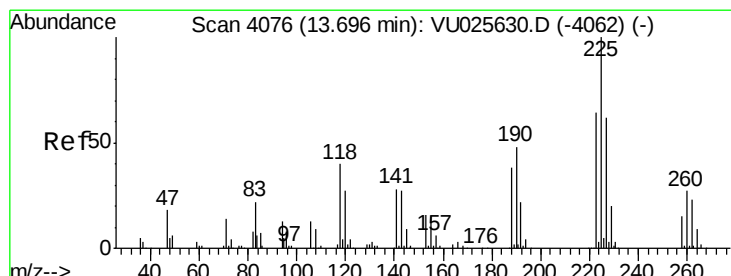
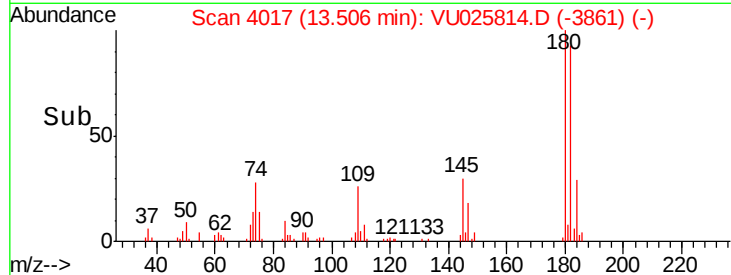
MM Dadoda



Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

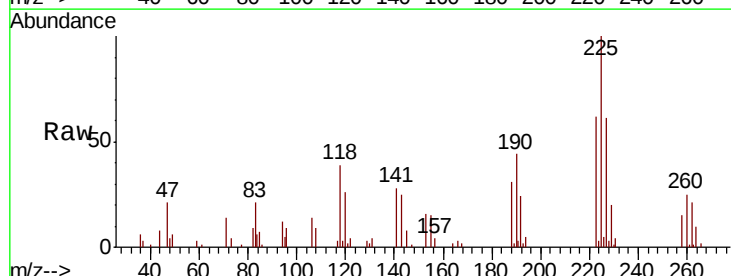


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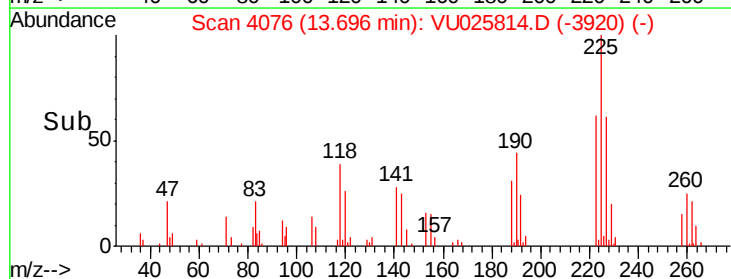
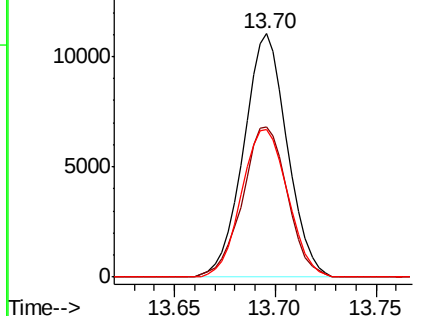


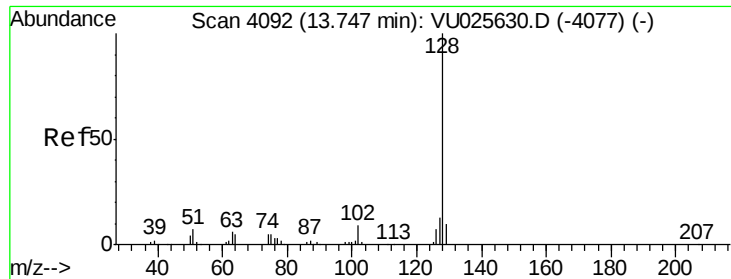
#88
 Hexachlorobutadiene
 Concen: 1.86 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025814.D
 Acq: 03 Aug 2018 12:50

Tgt Ion:	225	Resp:	16681
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.6	75.8
227	64.3	51.8	77.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





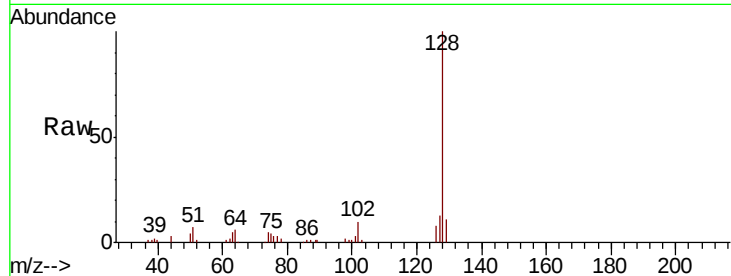
#89
Naphthalene
Concen: 1.70 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
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MM Dadoda

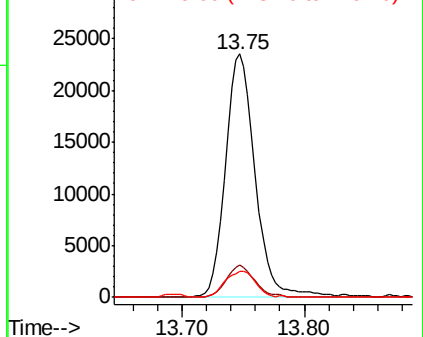


Abundance

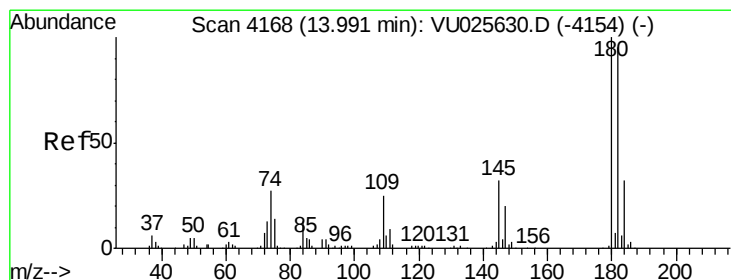
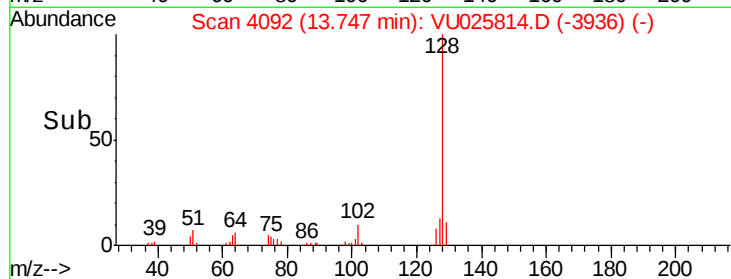
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

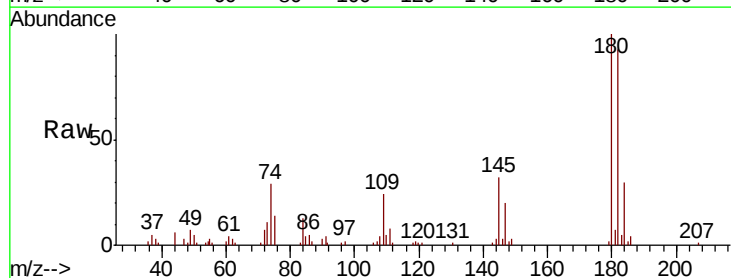


8/6/2018 5:38:52 PM



#90
1,2,3-Trichlorobenzene
Concen: 1.86 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025814.D
Acq: 03 Aug 2018 12:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.8	115.2
145	30.6	24.6	36.8



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

