

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026217.D
 Acq On : 20 Aug 2018 19:10
 Operator : MD/SY
 Sample : VU0820WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:34:28 AM

Quant Time: Aug 21 08:50:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	31253	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11473	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12994	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	25798	2.12	ug/l	98
3) Chloromethane	1.33	50	21647	2.09	ug/l	98
4) Vinyl Chloride	1.40	62	22171	2.14	ug/l	97
5) Bromomethane	1.63	94	15909	2.79	ug/l	96
6) Chloroethane	1.70	64	12894	2.07	ug/l	95
7) Trichlorofluoromethane	1.89	101	32520	2.12	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17990	2.12	ug/l	99
9) 1,1-Dichloroethene	2.29	96	15093	2.08	ug/l	96
10) Iodomethane	2.41	142	17434	1.73	ug/l	95
11) Allyl Chloride	2.60	41	27325	2.24	ug/l	86
12) Acrylonitrile	2.94	53	7151	4.35	ug/l	96
13) Acetone	2.32	43	15738	10.79	ug/l	100
14) Carbon Disulfide	2.48	76	52369	2.09	ug/l	99
15) Methylene Chloride	2.70	84	18185	2.04	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	18005	2.14	ug/l	89
17) 1,1-Dichloroethane	3.45	63	36579	2.38	ug/l	98
18) 2-Butanone	4.28	43	25621	10.88	ug/l	96
19) Cyclohexane	4.99	56	22212	1.97	ug/l #	84
20) Methylcyclohexane	6.42	83	24759	1.87	ug/l	97
21) 2,2-Dichloropropane	4.23	77	32099	2.03	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	20475	2.01	ug/l	96
23) Diethyl Ether	2.10	59	11972	2.15	ug/l	98
24) tert-Butyl Alcohol	2.84	59	12028	21.15	ug/l #	96
25) Methyl tert-Butyl Ether	3.00	73	41237	2.18	ug/l	94
26) Bromochloromethane	4.55	128	9323	2.05	ug/l	85
27) Chloroform	4.68	83	39206	2.21	ug/l	99
28) 1,1,1-Trichloroethane	4.92	97	34622	2.19	ug/l	96
29) 1,1-Dichloropropene	5.14	75	25156	2.02	ug/l	98
30) Carbon Tetrachloride	5.13	117	31529	2.12	ug/l	93
31) Isopropyl Ether	3.58	45	52820	2.09	ug/l	89
32) Ethyl-t-butyl ether	4.08	59	44873	2.02	ug/l	96
33) Tert-Amyl methyl ether	5.59	73	37844	2.00	ug/l	98
34) Propionitrile	4.34	54	7566	11.28	ug/l #	95
35) Benzene	5.39	78	75709	2.10	ug/l	99
36) 1,2-Dichloroethane	5.41	62	24854	2.23	ug/l	96
37) Trichloroethene	6.19	130	20374	2.01	ug/l	96
38) 1,2-Dichloropropane	6.44	63	20176	2.16	ug/l	99
39) Methacrylonitrile	4.55	41	5788	2.04	ug/l	89
40) Methyl acrylate	4.43	55	9137	2.13	ug/l #	94
41) Tetrahydrofuran	4.66	42	5991	3.80	ug/l	93
42) 1-Chlorobutane	5.07	56	35614	2.11	ug/l	99

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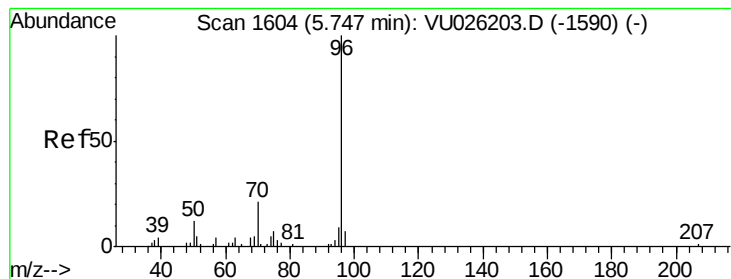
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	10898	2.20	ug/l	97
44) Bromodichloromethane	6.76	83	27575	2.16	ug/l	92
45) 4-Methyl-2-Pentanone	7.47	43	51759	10.30	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	7968m	3.56	ug/l	
47) Methyl methacrylate	6.63	69	15341	4.05	ug/l #	94
48) Ethyl methacrylate	8.02	69	14002	2.02	ug/l	98
49) Toluene	7.64	92	41424	2.01	ug/l	91
50) t-1,3-Dichloropropene	7.89	75	22405	2.05	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	25321	2.00	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	14443	2.15	ug/l	99
53) 1,3-Dichloropropane	8.25	76	24663	2.21	ug/l	100
54) 2-Hexanone	8.37	43	35776	10.00	ug/l	96
55) Dibromochloromethane	8.48	129	19243	2.14	ug/l	99
56) 1,2-Dibromoethane	8.59	107	13653	2.09	ug/l	100
58) Tetrachloroethene	8.23	164	19464	2.03	ug/l	98
59) Chlorobenzene	9.12	112	48548	2.04	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.21	131	21104	2.22	ug/l	99
61) Pentachloroethane	11.10	117	17344	2.14	ug/l	95
62) Hexachloroethane	12.15	117	16745	2.07	ug/l	99
63) Ethyl Benzene	9.25	91	73394	1.94	ug/l	100
64) m/p-Xylenes	9.38	106	60034	3.98	ug/l	98
65) o-Xylene	9.78	106	28401	1.97	ug/l	100
66) Styrene	9.80	104	49023	1.99	ug/l	99
67) Bromoform	9.96	173	11471	2.17	ug/l #	96
69) Isopropylbenzene	10.17	105	76597	2.01	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	18279	2.17	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	13293m	2.20	ug/l	
72) Bromobenzene	10.45	156	21383	2.01	ug/l	97
73) n-propylbenzene	10.59	120	22233	2.00	ug/l	94
74) 2-Chlorotoluene	10.66	126	20910	2.08	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	68910	2.04	ug/l	99
76) 4-Chlorotoluene	10.77	126	22284	2.16	ug/l	91
77) tert-Butylbenzene	11.10	119	66843	1.99	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	70368	2.01	ug/l	100
79) sec-Butylbenzene	11.33	105	88578	2.01	ug/l	97
80) Nitrobenzene	12.86	77	3512	9.53	ug/l	98
81) p-Isopropyltoluene	11.48	119	72425	1.94	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	47504	2.12	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	46875	2.09	ug/l	100
84) n-Butylbenzene	11.89	91	70775	1.96	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	42757	2.08	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2894	1.95	ug/l	92
87) 1,2,4-Trichlorobenzene	13.51	180	27340	1.89	ug/l	100
88) Hexachlorobutadiene	13.69	225	18475	2.09	ug/l	93
89) Naphthalene	13.74	128	41018	1.80	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	27002	1.98	ug/l	98

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VU026217.D

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MSVOA_U

ClientSampleId :

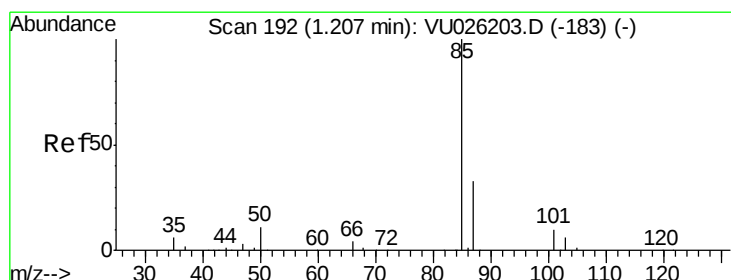
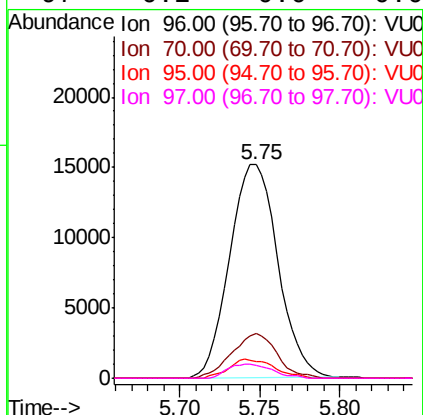
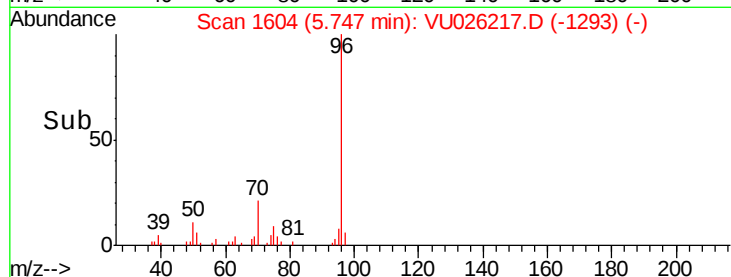
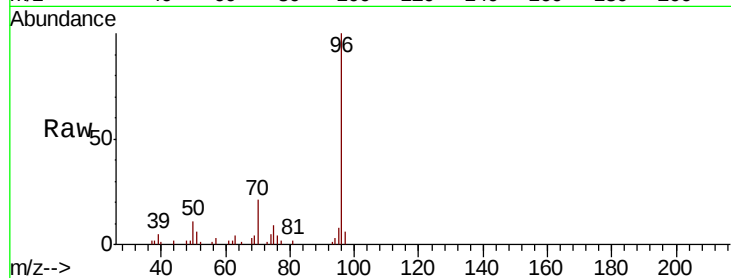
VU0820WBSD01

Tot Ion	96	Resp	31253
Ion	Ratio	Lower	Upper
96	100		
70	19.8	16.2	24.4
95	8.4	6.9	10.3
97	6.2	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 2.12 ug/l

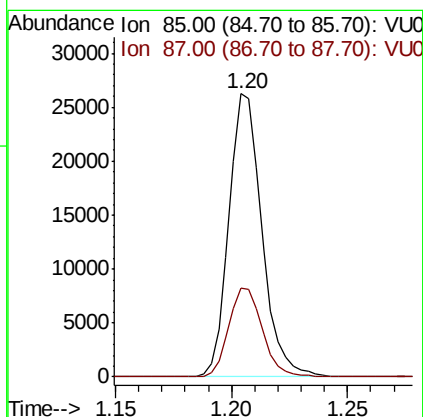
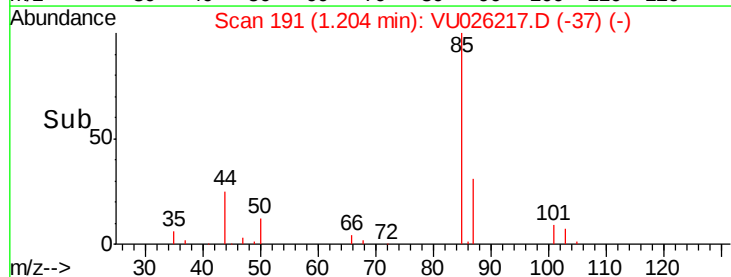
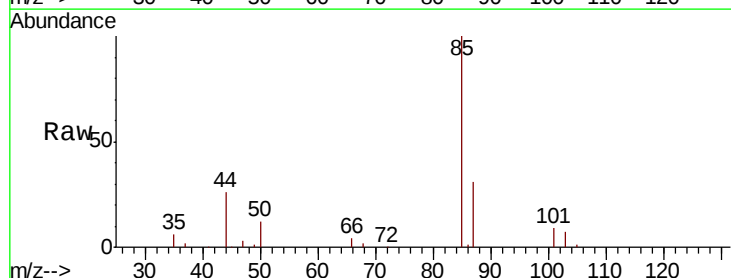
RT: 1.20 min Scan# 191

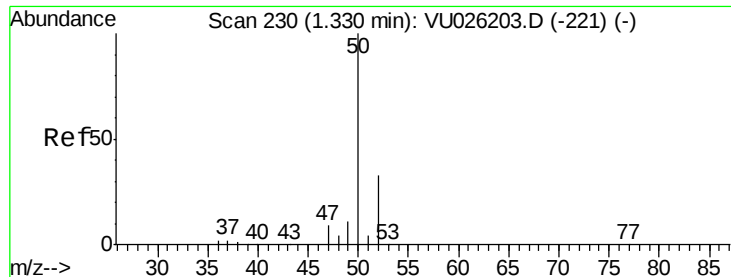
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion	85	Resp	25798
Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.2	48.5





#3

Chloromethane

Concen: 2.09 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 50 Resp: 21647

Ion Ratio Lower Upper

50 100

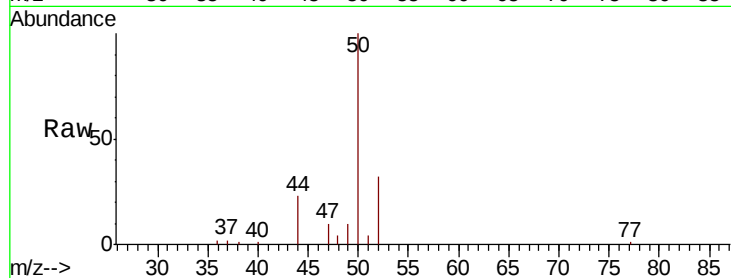
52 31.5 26.0 39.0

Manual Integrations

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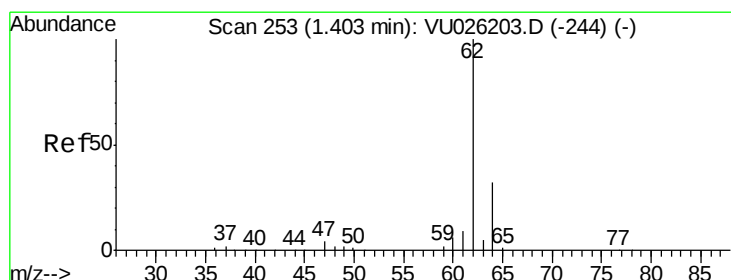
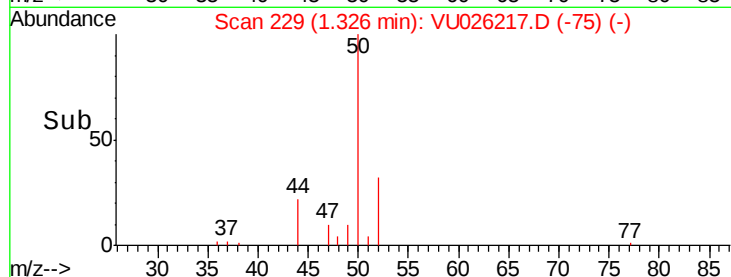
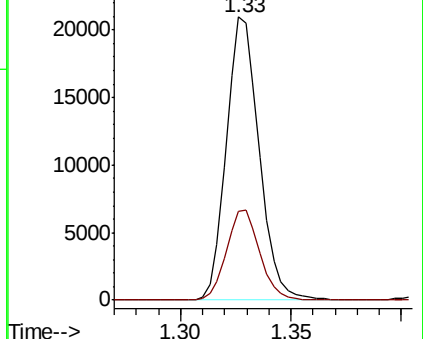
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 2.14 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026217.D

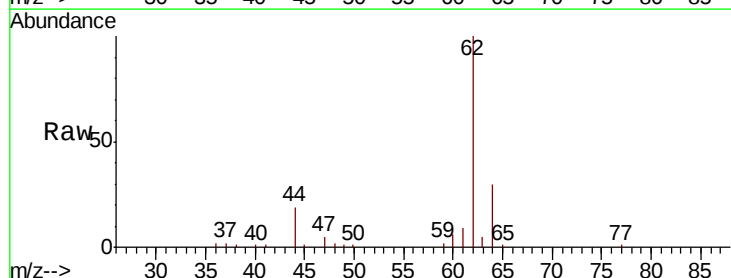
Acq: 20 Aug 2018 19:10

Tgt Ion: 62 Resp: 22171

Ion Ratio Lower Upper

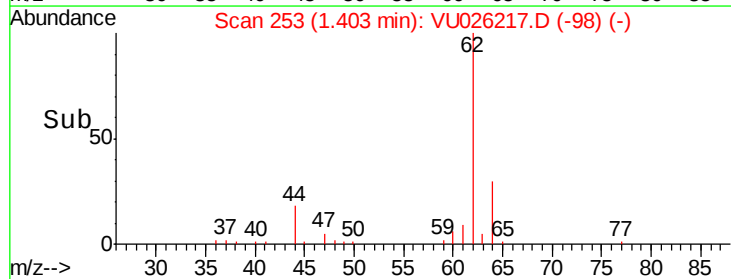
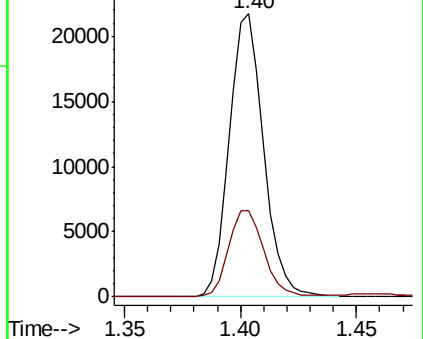
62 100

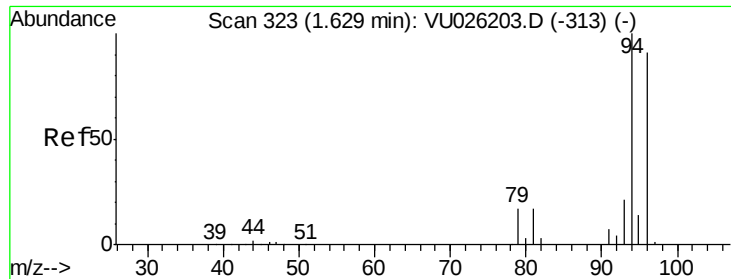
64 30.4 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.79 ug/l

RT: 1.63 min Scan# 323

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 94 Resp: 15909

Ion Ratio Lower Upper

94 100

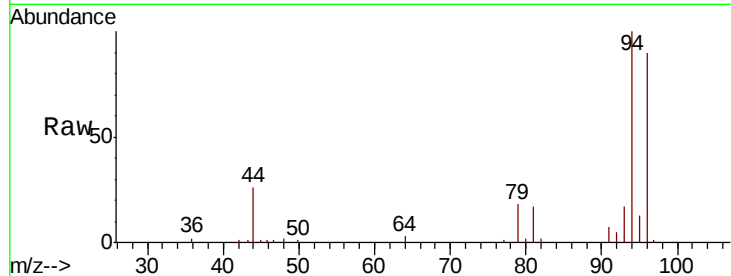
96 90.4 75.1 112.7

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

15000

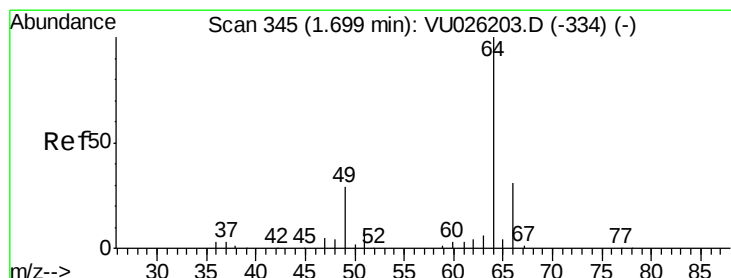
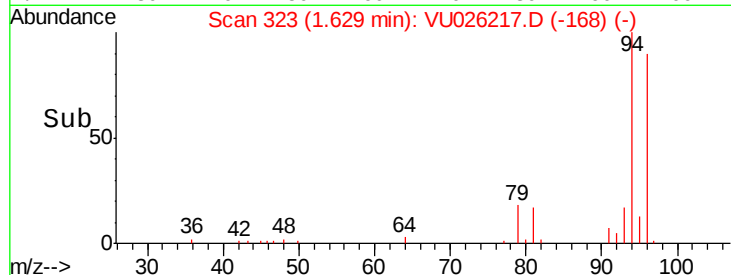
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 2.07 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026217.D

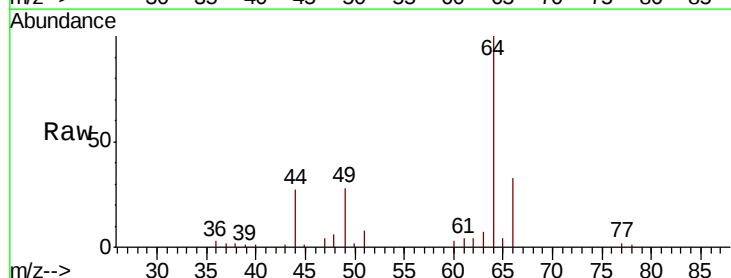
Acq: 20 Aug 2018 19:10

Tgt Ion: 64 Resp: 12894

Ion Ratio Lower Upper

64 100

66 33.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

12000

10000

8000

6000

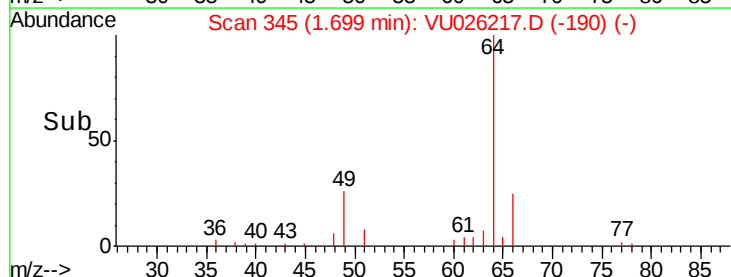
4000

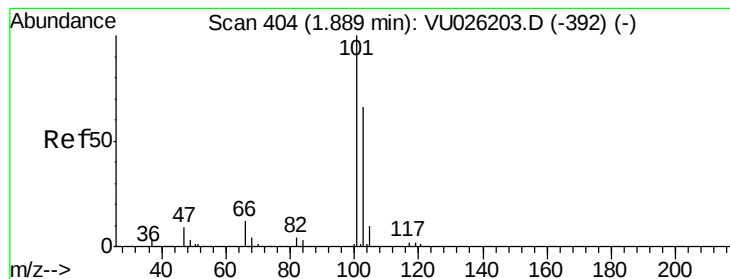
2000

0

1.65 1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 2.12 ug/l

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion:101 Resp: 32520

Ion Ratio Lower Upper

101 100

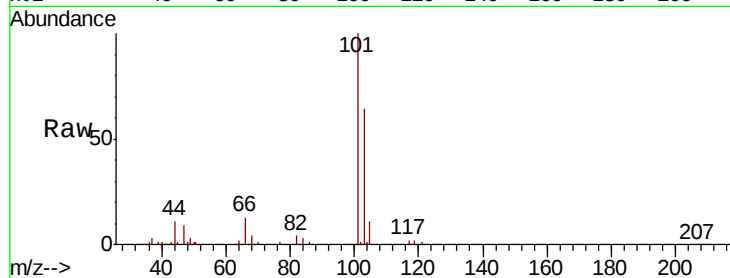
103 63.9 51.4 77.0

Manual Integrations

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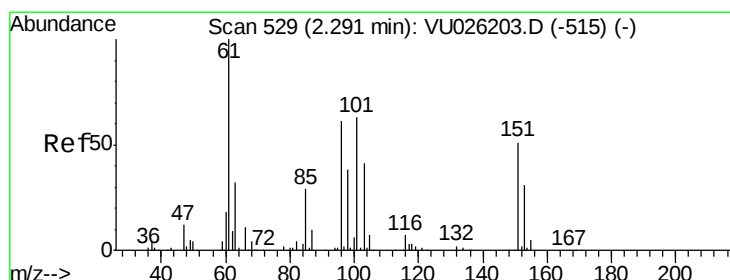
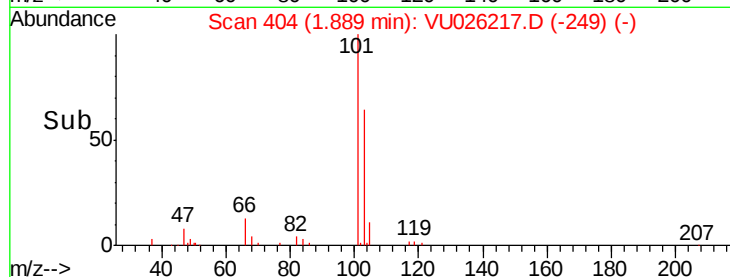
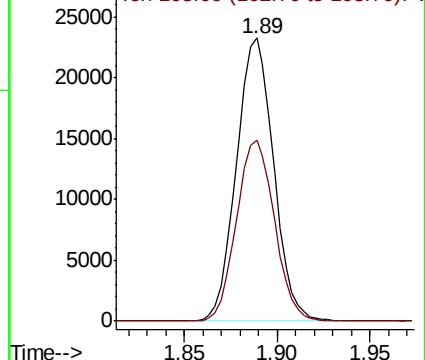
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#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: VU026217.D

Acq: 20 Aug 2018 19:10

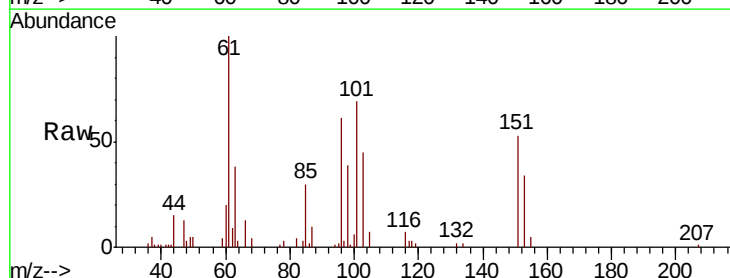
Tgt Ion:101 Resp: 17990

Ion Ratio Lower Upper

101 100

85 46.3 35.2 52.8

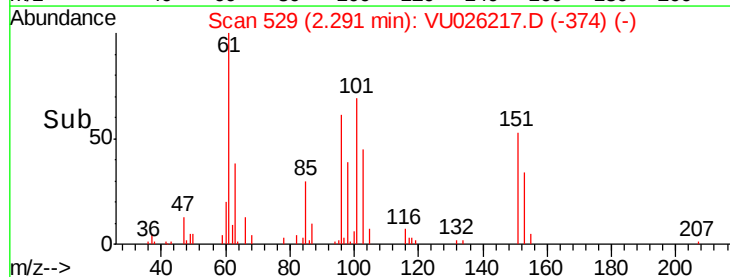
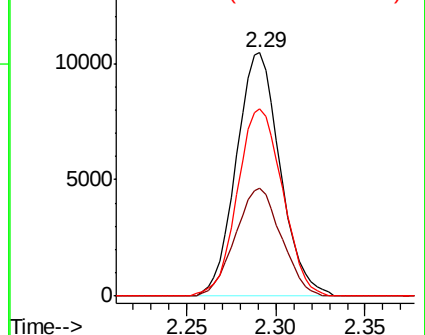
151 79.3 63.5 95.3

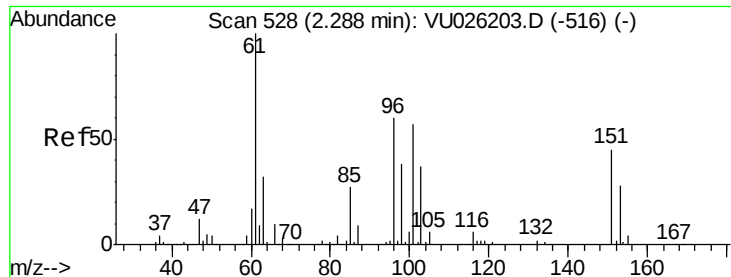


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.08 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

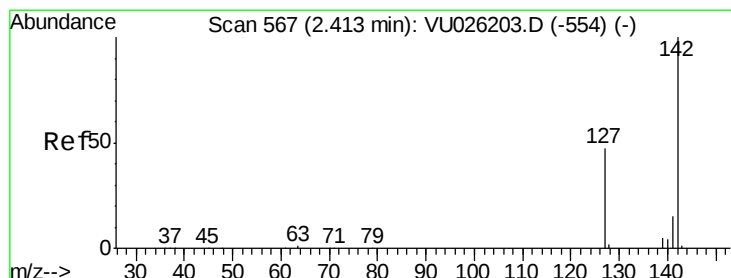
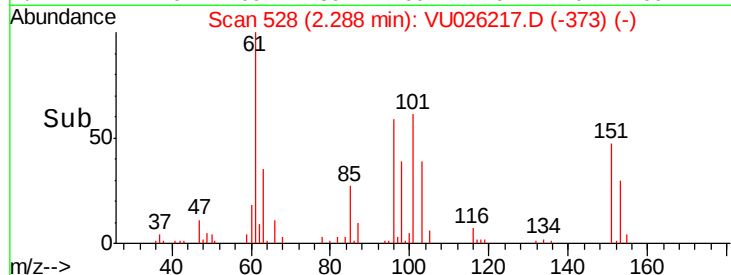
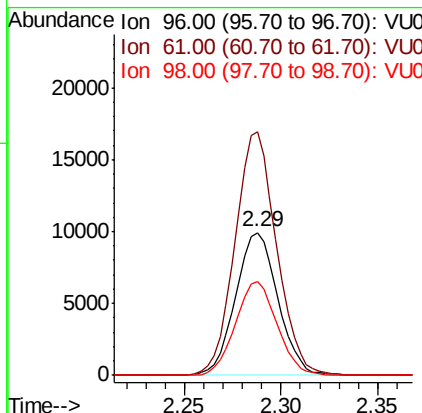
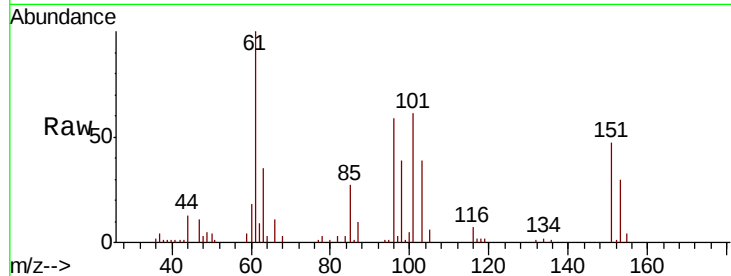
ClientSampleId :

VU0820WBSD01

Tot Ion:	96	Resp:	15093
Ion	Ratio	Lower	Upper
96	100		
61	170.8	0.0	526.5
98	66.0	0.0	123.4

Manual Integrations
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#10

Iodomethane

Concen: 1.73 ug/l

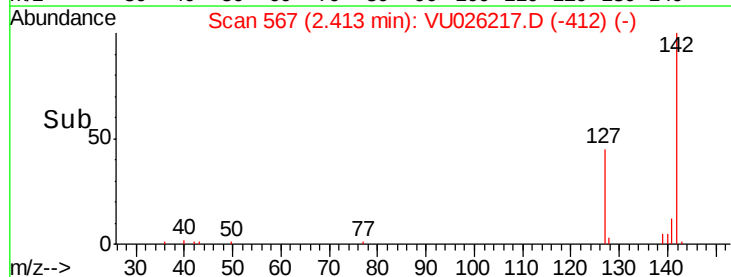
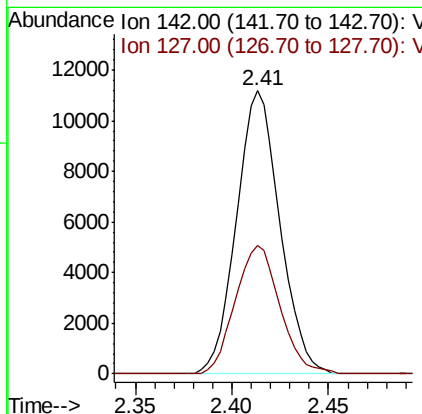
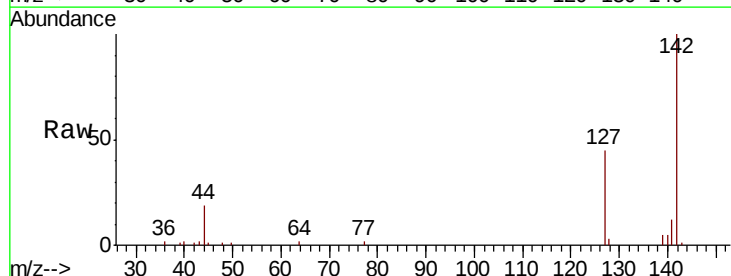
RT: 2.41 min Scan# 567

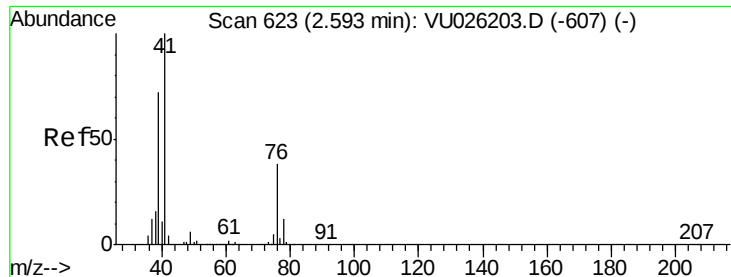
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	142	Resp:	17434
Ion	Ratio	Lower	Upper
142	100		
127	46.6	34.5	51.7





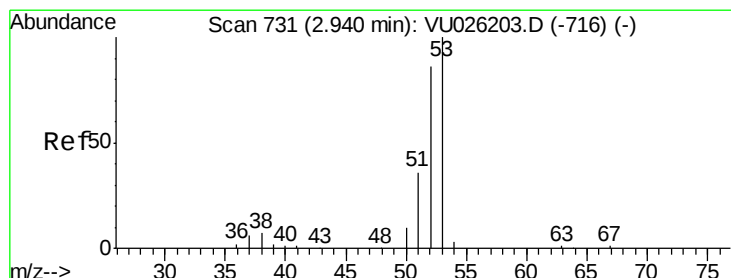
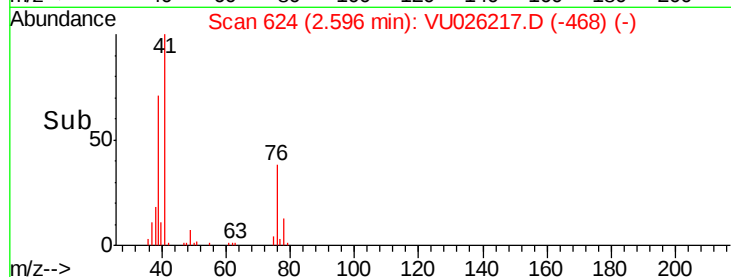
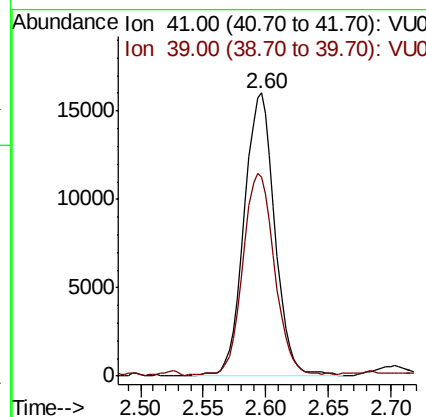
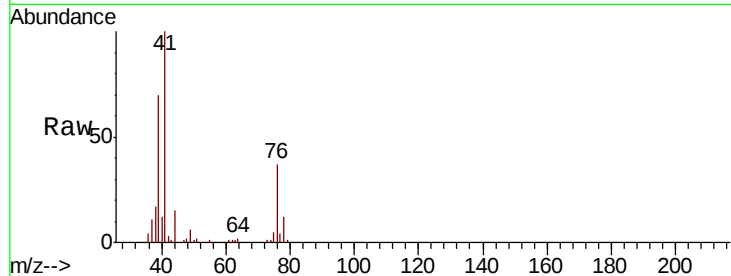
#11
Allv1 Chloride
Concen: 2.24 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.1	51.4	77.2

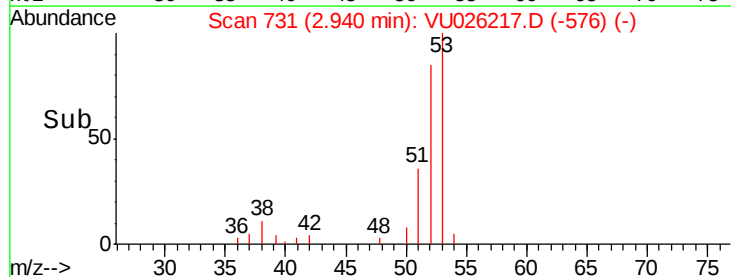
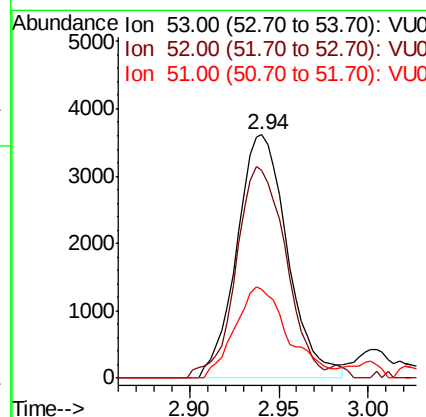
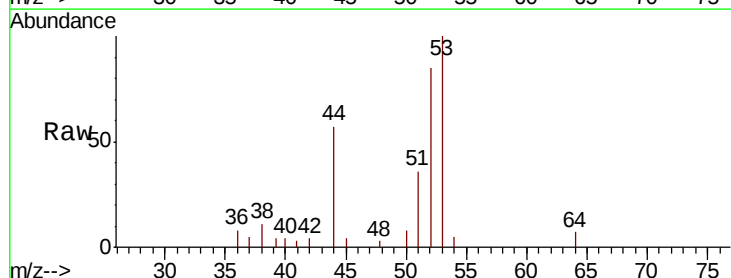
Manual Integrations
APPROVED

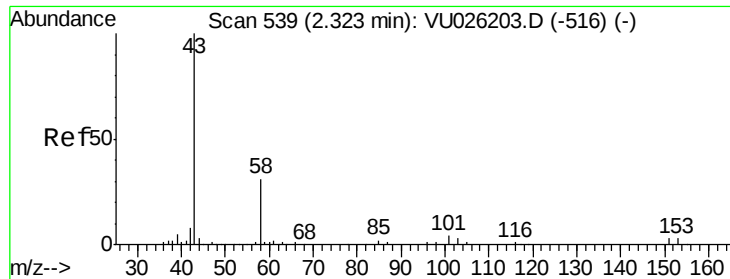
MMDadoda
8/21/2018 11:34:28 AM



#12
Acrylonitrile
Concen: 4.35 ug/l
RT: 2.94 min Scan# 731
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.2	65.1	97.7
51	39.0	30.2	45.4





#13

Acetone

Concen: 10.79 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 43 Resp: 15738

Ion Ratio Lower Upper

43 100

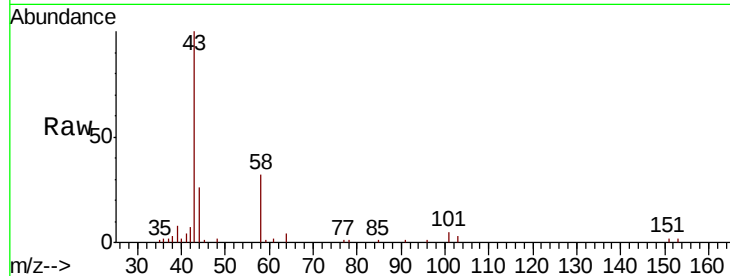
58 32.4 26.0 39.0

Manual Integrations

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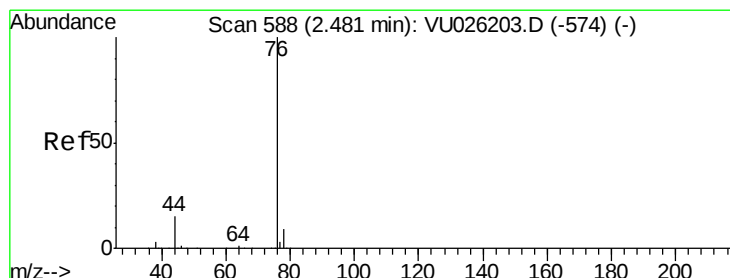
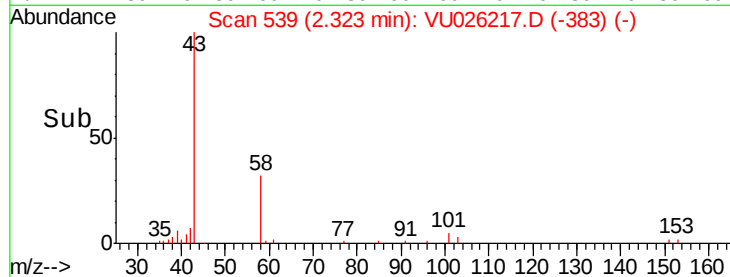
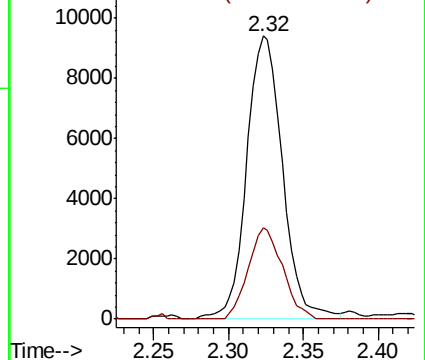
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 2.09 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026217.D

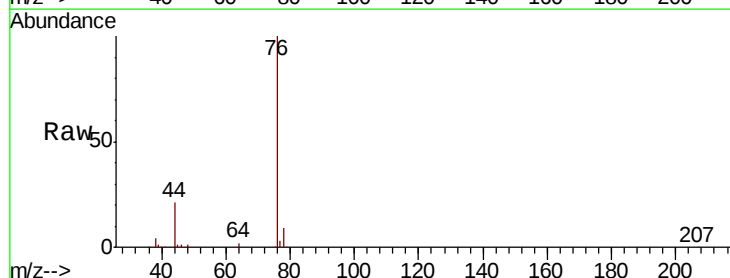
Acq: 20 Aug 2018 19:10

Tgt Ion: 76 Resp: 52369

Ion Ratio Lower Upper

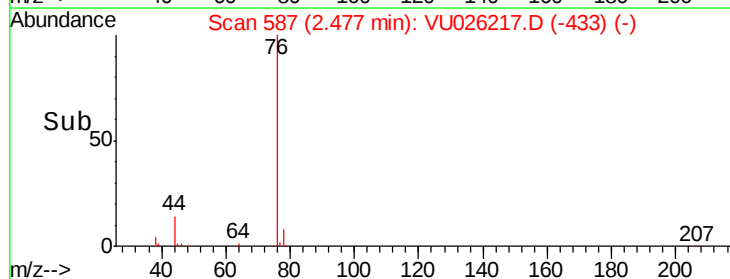
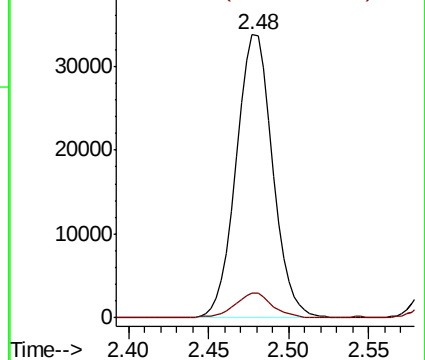
76 100

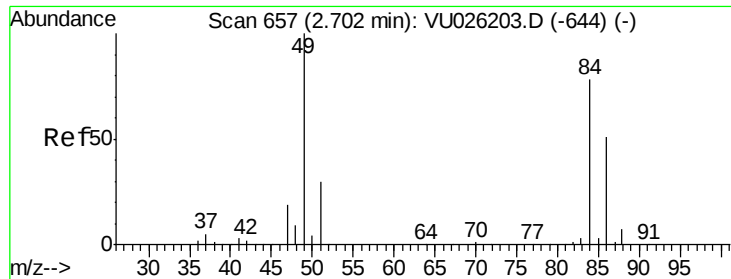
78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





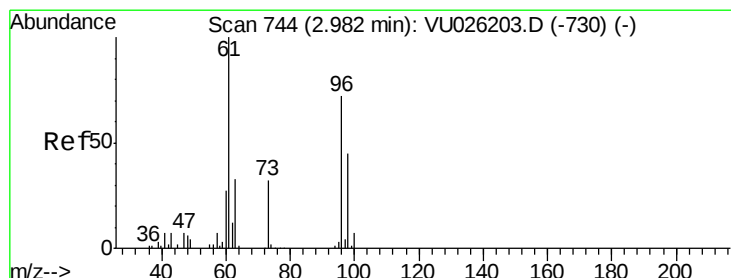
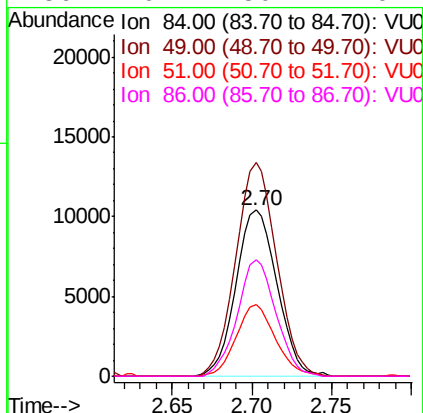
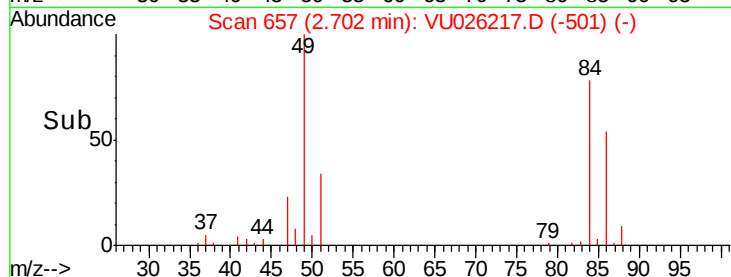
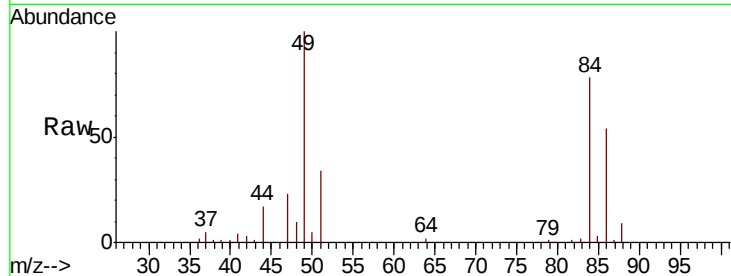
#15
Methvlene Chloride
Concen: 2.04 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion:	84	Resp:	18185
Ion	Ratio	Lower	Upper
84	100		
49	128.8	108.7	163.1
51	43.4	0.0	82.4
86	70.1	50.7	76.1

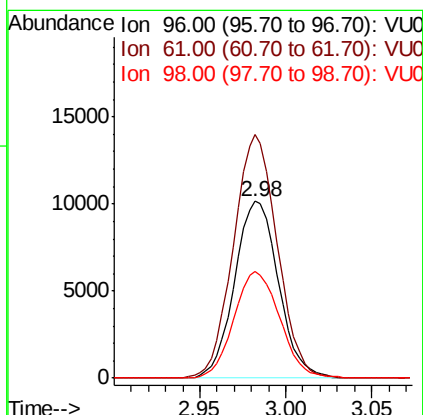
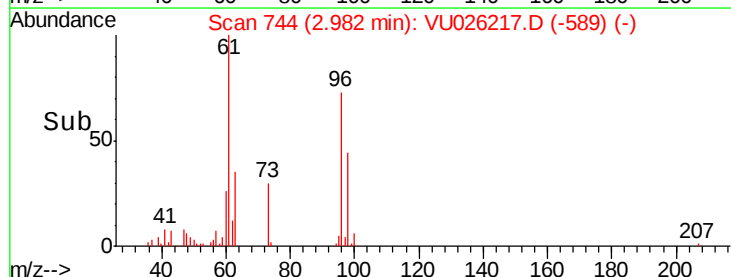
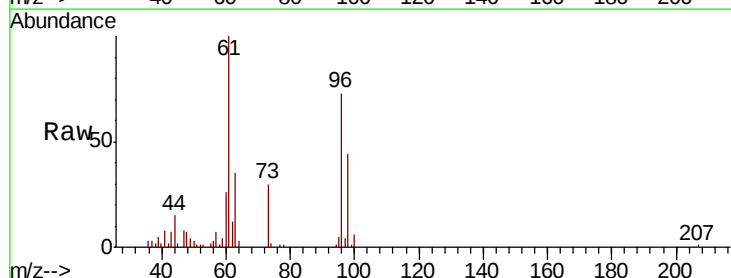
Manual Integrations
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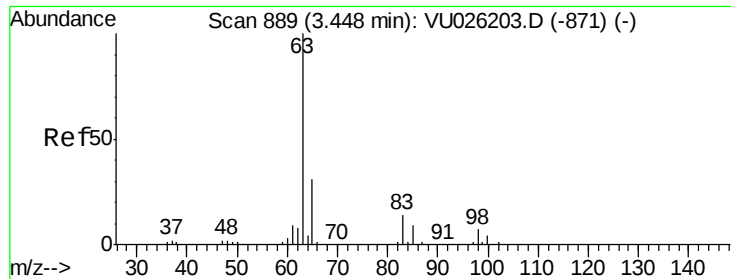
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 2.14 ug/l
RT: 2.98 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion:	96	Resp:	18005
Ion	Ratio	Lower	Upper
96	100		
61	137.6	123.9	185.9
98	60.4	50.6	76.0





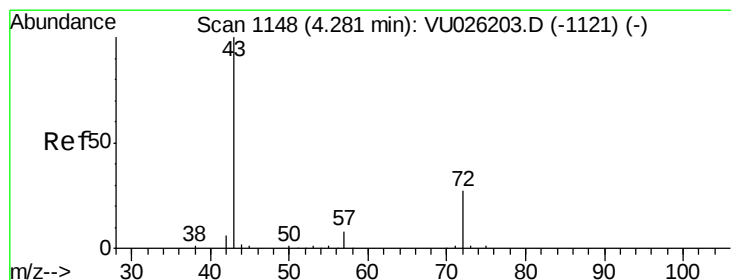
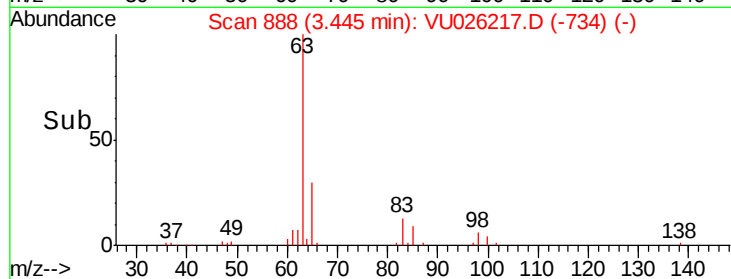
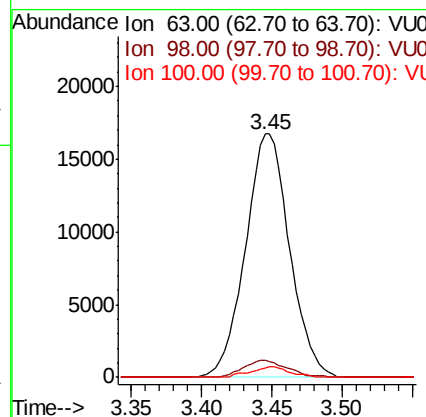
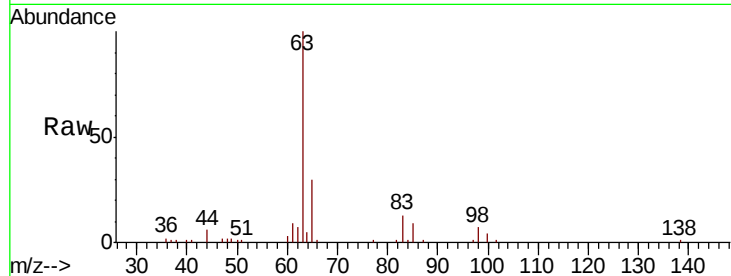
#17
 1,1-Dichloroethane
 Concen: 2.38 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion:	63	Resp:	36579
Ion Ratio	Lower	Upper	
63	100		
98	6.8	2.9	8.8
100	3.9	2.0	5.8

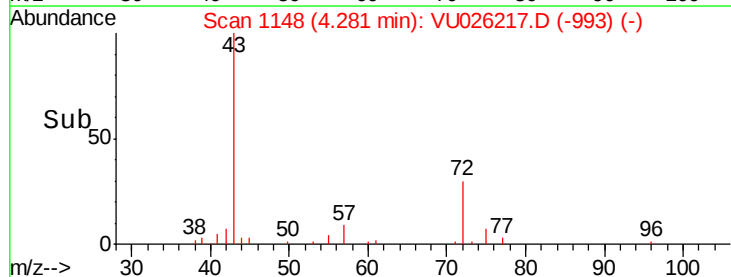
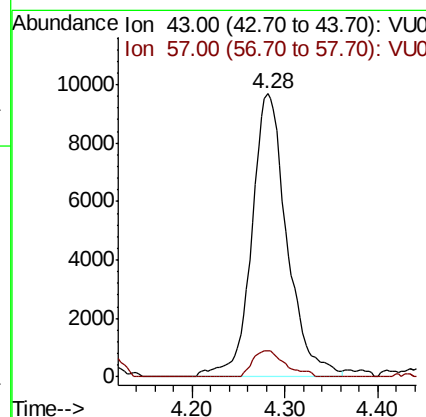
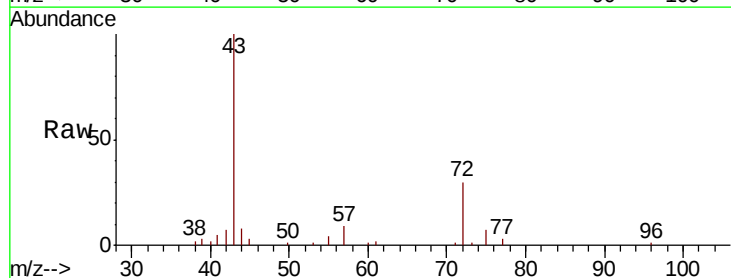
Manual Integrations
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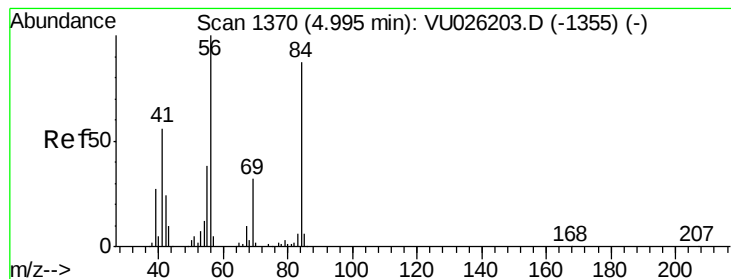
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 8/21/2018 11:34:28 AM



#18
 2-Butanone
 Concen: 10.88 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion:	43	Resp:	25621
Ion Ratio	Lower	Upper	
43	100		
57	9.3	0.0	15.8





#19

Cyclohexane

Concen: 1.97 ug/l

RT: 4.99 min Scan# 1370

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

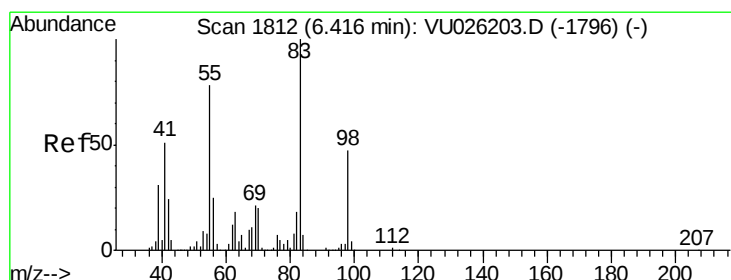
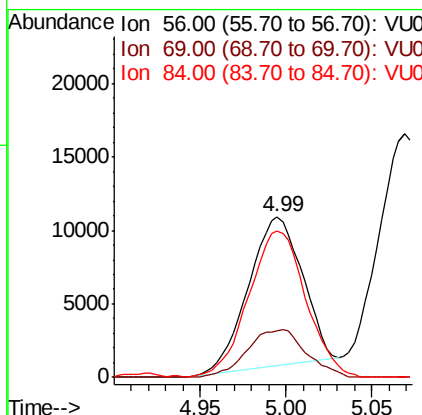
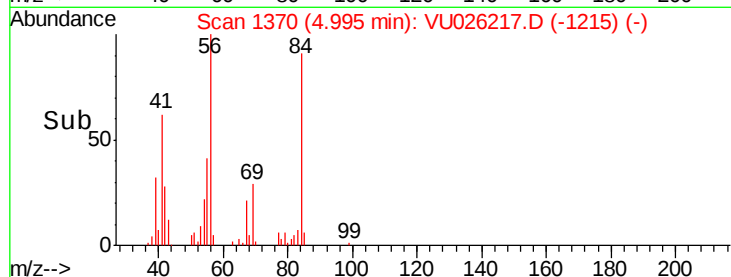
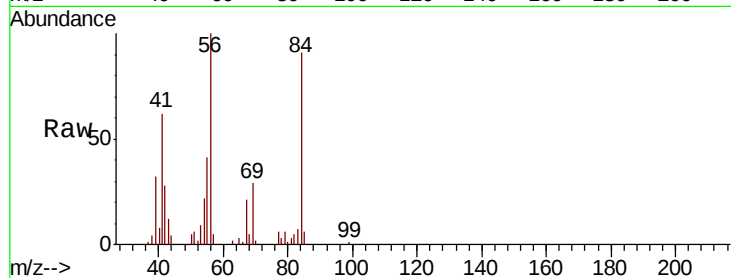
ClientSampleId :

VU0820WBSD01

Tot Ion:	56	Resp:	22212
Ion Ratio	Lower	Upper	
56	100		
69	34.8	26.0	39.0
84	103.9	68.3	102.5#

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.87 ug/l

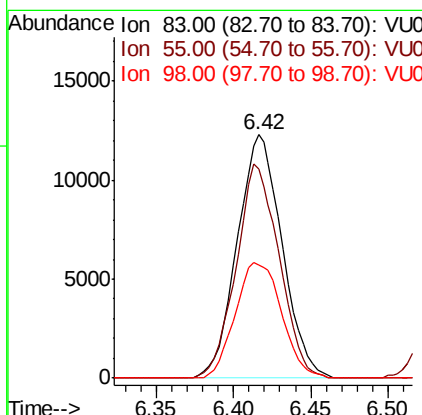
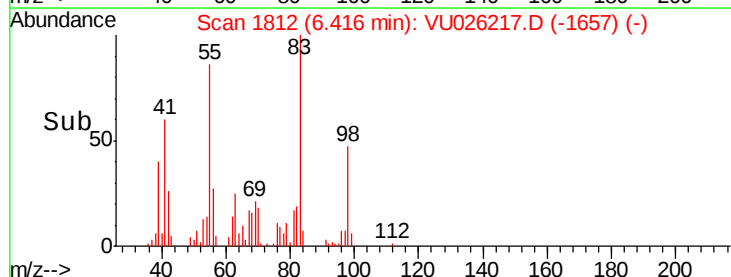
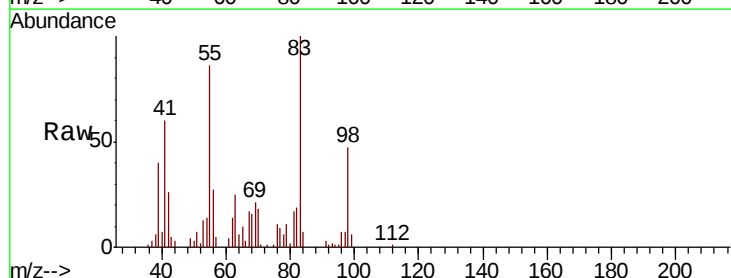
RT: 6.42 min Scan# 1812

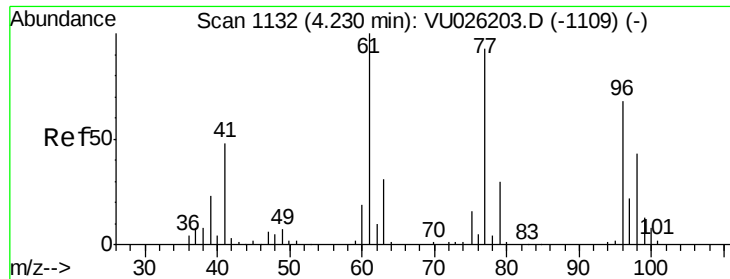
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	83	Resp:	24759
Ion Ratio	Lower	Upper	
83	100		
55	84.1	66.4	99.6
98	48.9	35.4	53.2





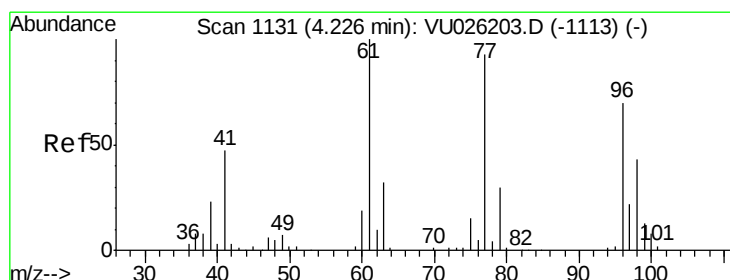
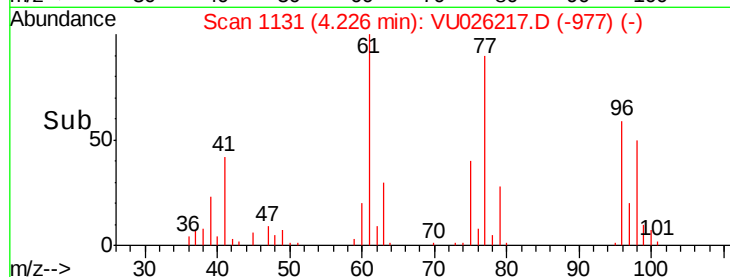
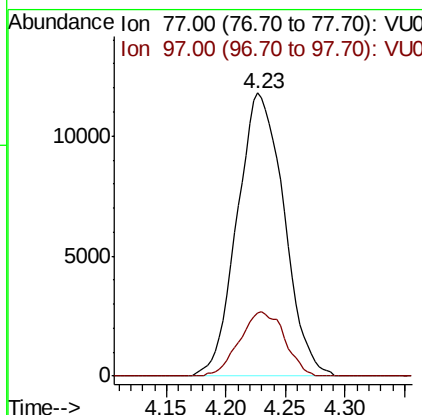
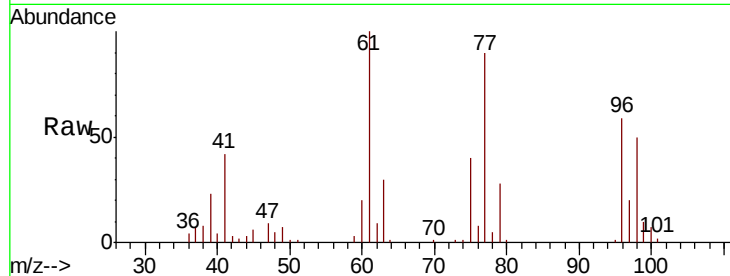
#21
 2,2-Dichloropropane
 Concen: 2.03 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion: 77 Resp: 32099
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.9 26.9

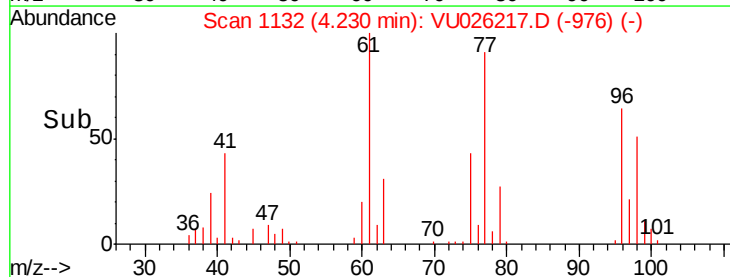
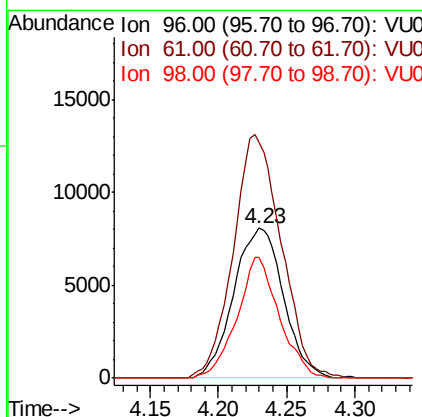
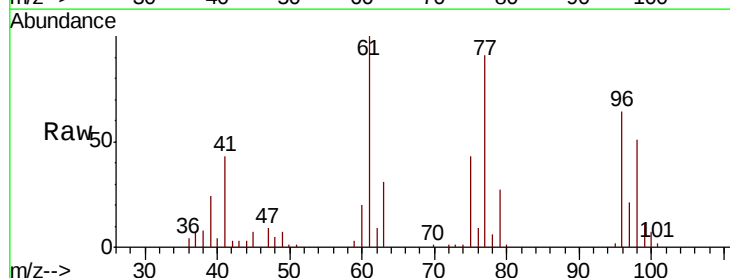
Manual Integrations
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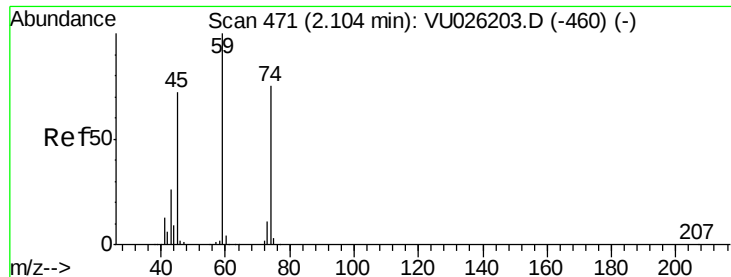
MMDadoda
 8/21/2018 11:34:28 AM



#22
 cis-1,2-Dichloroethene
 Concen: 2.01 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion: 96 Resp: 20475
 Ion Ratio Lower Upper
 96 100
 61 155.9 0.0 400.5
 98 68.0 32.2 96.6





#23

Diethyl Ether

Concen: 2.15 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

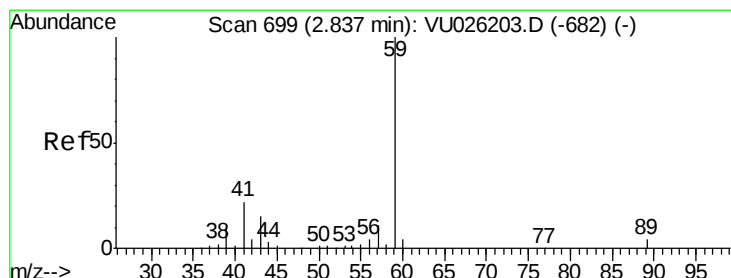
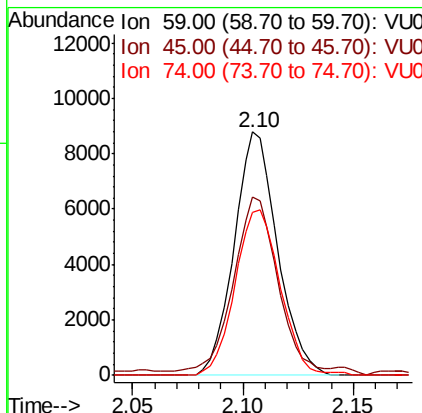
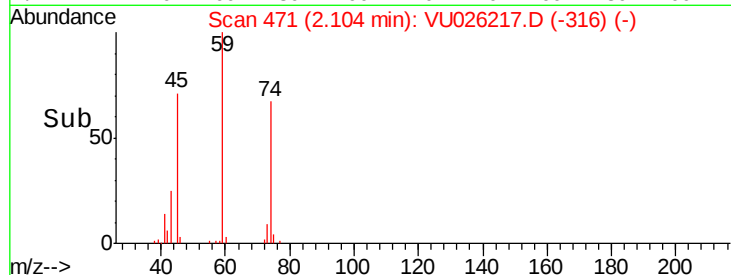
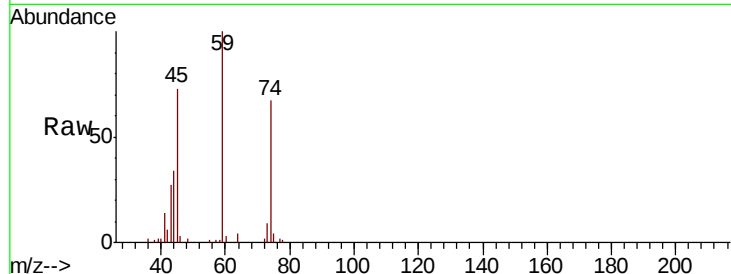
ClientSampleId :

VU0820WBSD01

Tot Ion:	59	Resp:	11972
Ion	Ratio	Lower	Upper
59	100		
45	71.9	60.0	90.0
74	70.8	56.5	84.7

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 21.15 ug/l

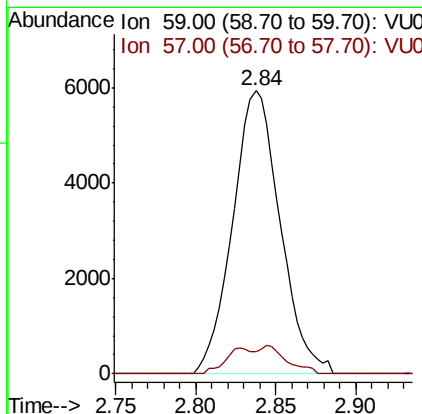
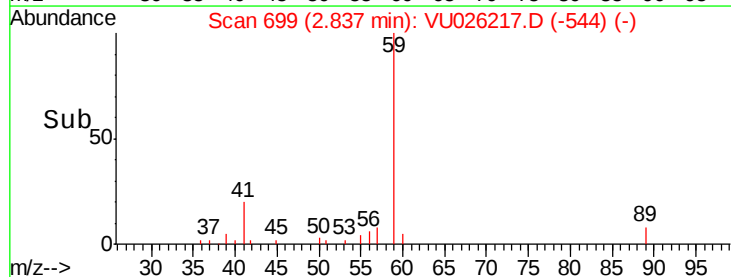
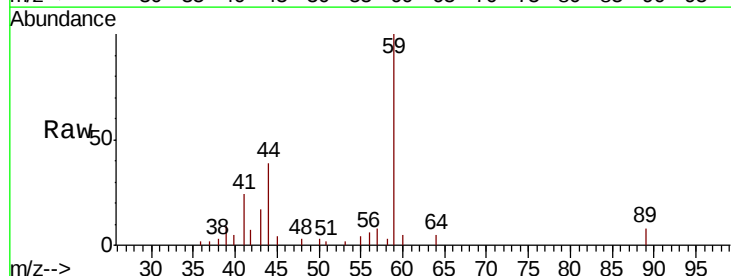
RT: 2.84 min Scan# 699

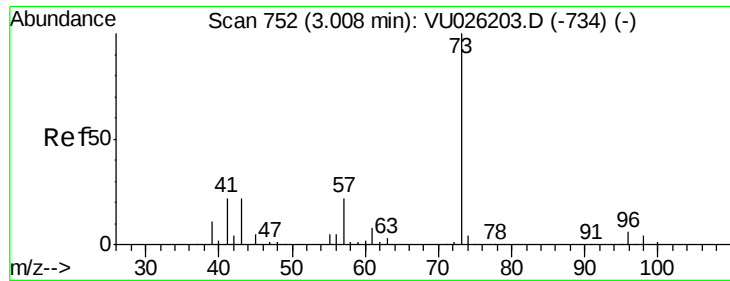
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	59	Resp:	12028
Ion	Ratio	Lower	Upper
59	100		
57	5.7	3.4	5.2#





#25

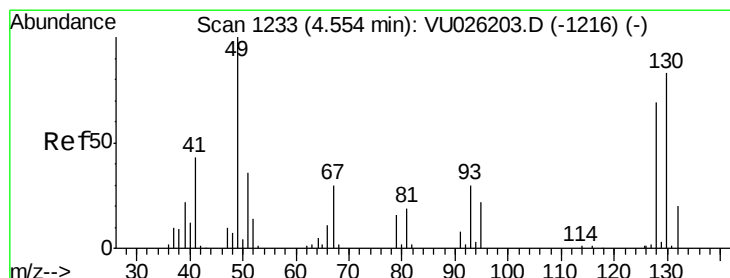
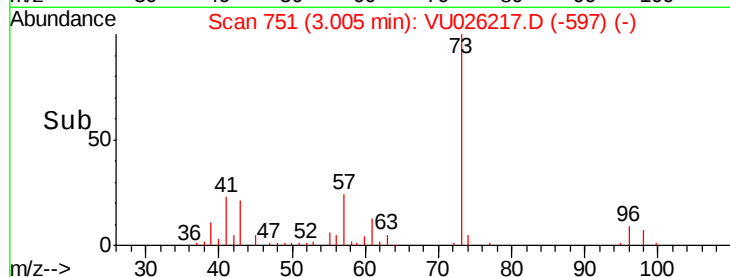
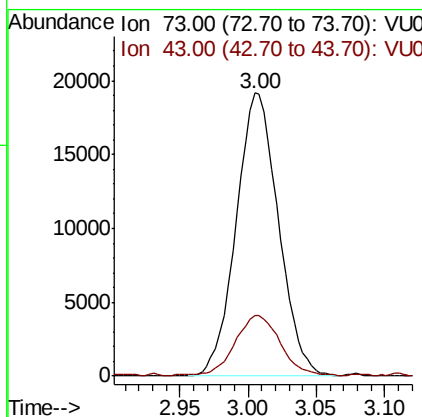
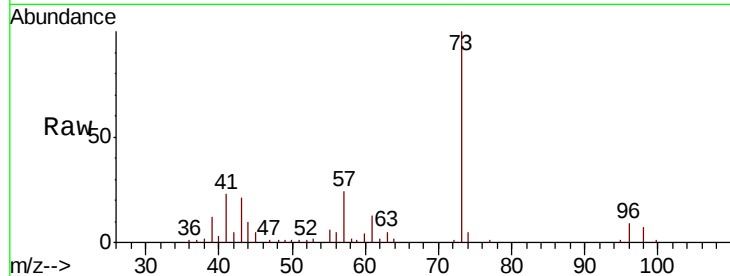
Methyl tert-Butyl Ether
Concen: 2.18 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.1	16.2	24.2

Manual Integrations
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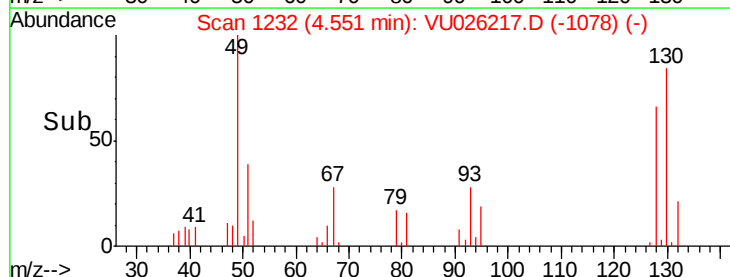
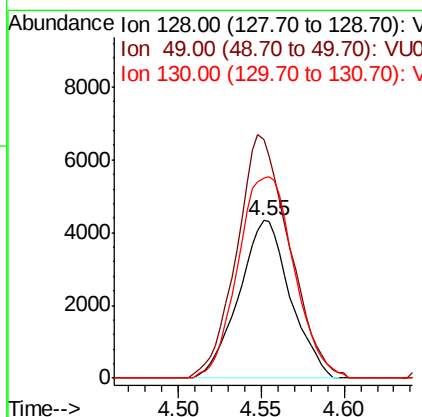
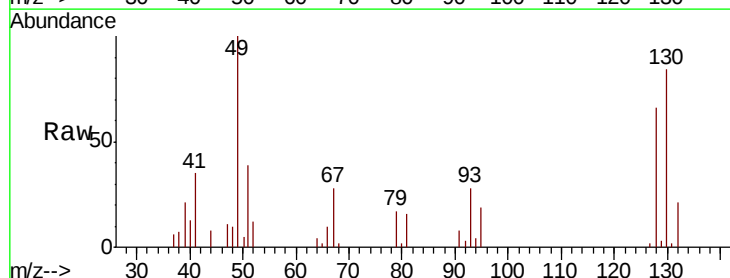
MMDadoda
8/21/2018 11:34:28 AM

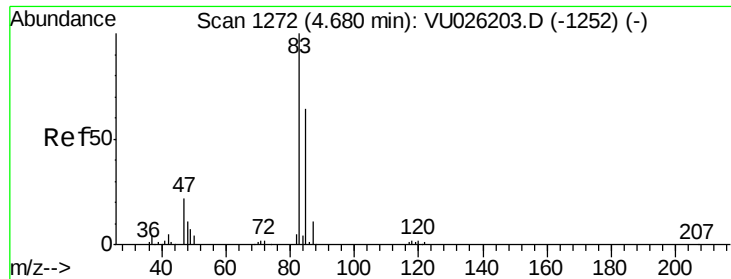


#26

Bromochloromethane
Concen: 2.05 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.1	0.0	375.2
130	139.8	105.8	158.6





#27

Chloroform

Concen: 2.21 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 83 Resp: 39206

Ion Ratio Lower Upper

83 100

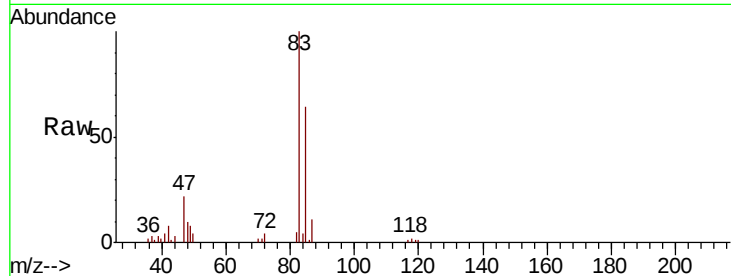
85 63.7 0.0 128.4

Manual Integrations

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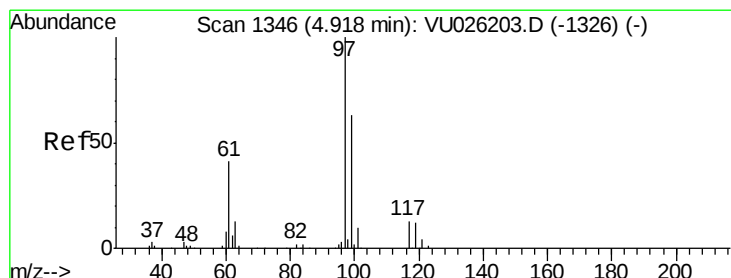
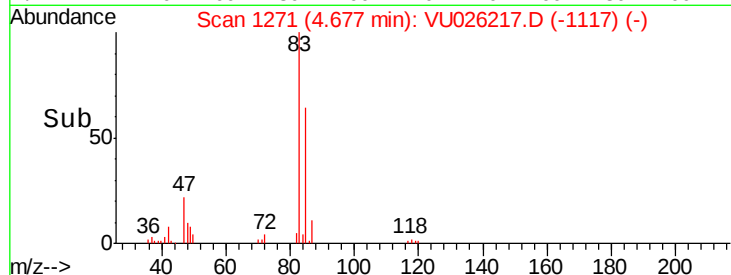
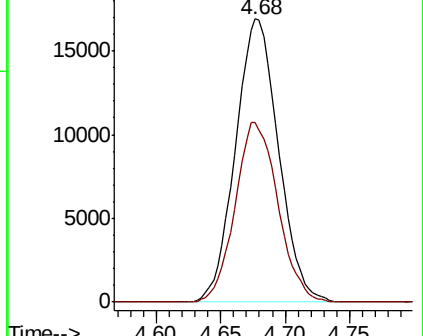
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.19 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

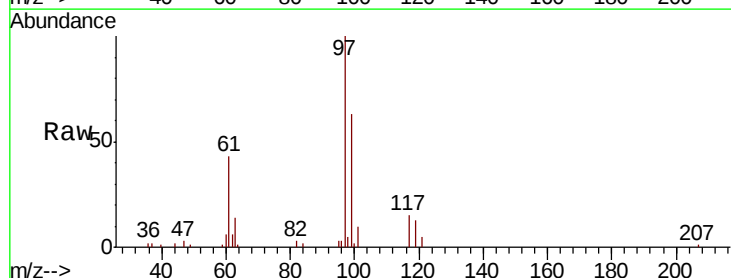
Tgt Ion: 97 Resp: 34622

Ion Ratio Lower Upper

97 100

99 63.0 32.3 96.9

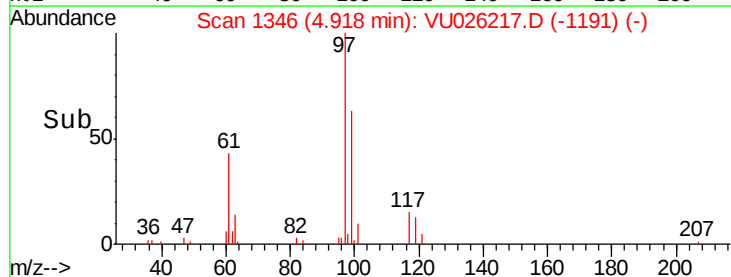
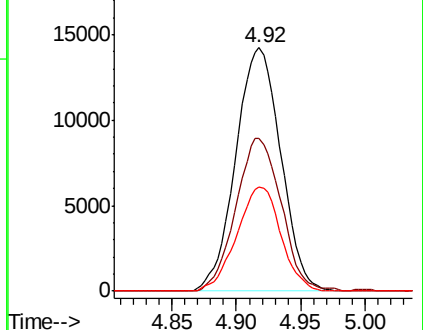
61 41.8 23.2 69.5

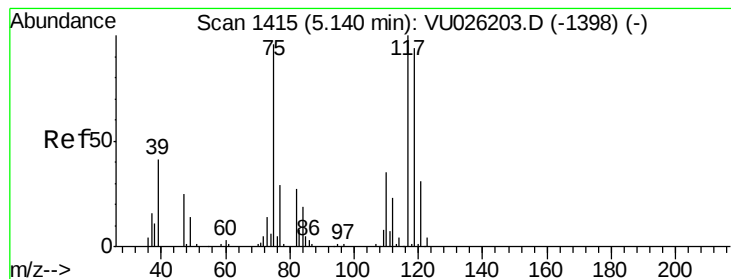


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 2.02 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

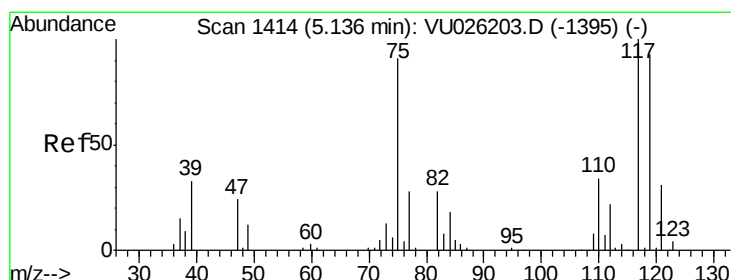
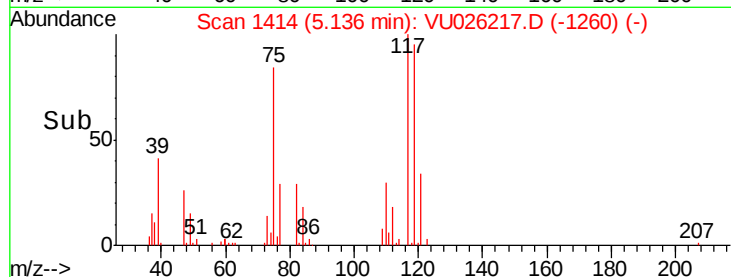
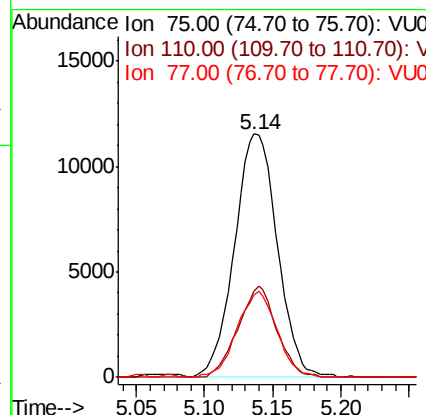
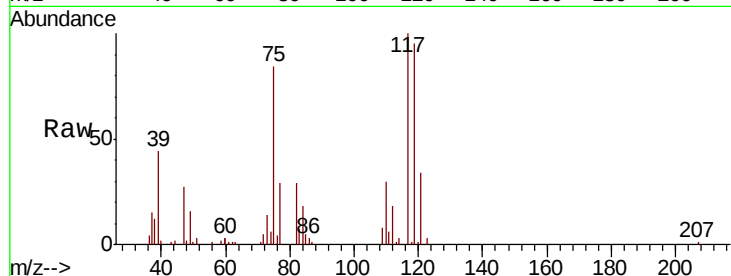
VU0820WBSD01

Tot Ion:	75	Resp:	25156
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.9	50.7
77	32.9	24.8	37.2

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#30

Carbon Tetrachloride

Concen: 2.12 ug/l

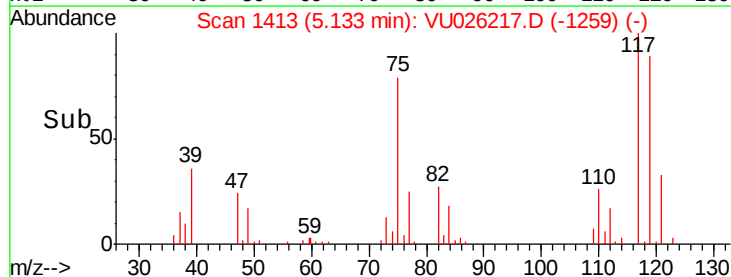
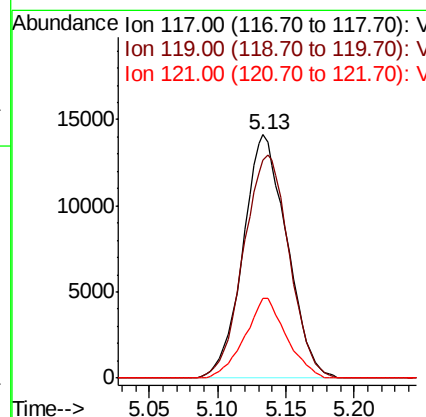
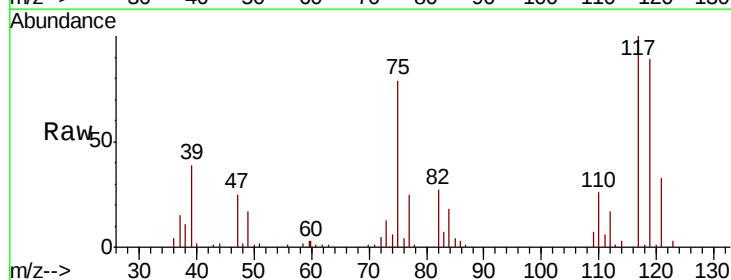
RT: 5.13 min Scan# 1413

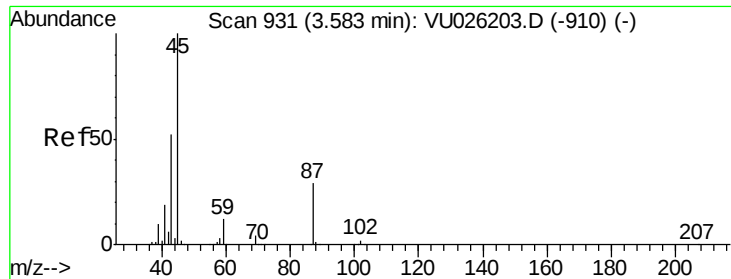
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	117	Resp:	31529
Ion Ratio	Lower	Upper	
117	100		
119	89.5	77.3	115.9
121	32.9	24.5	36.7





#31

Isopropyl Ether

Concen: 2.09 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 45 Resp: 52820

Ion Ratio Lower Upper

45 100

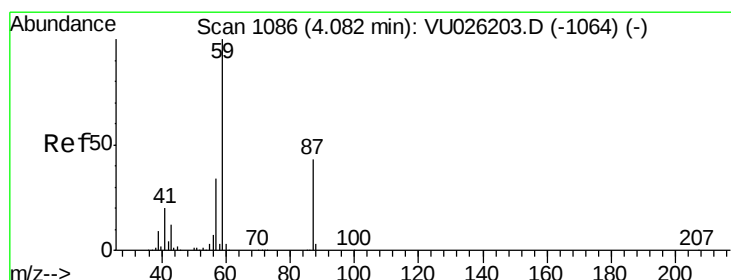
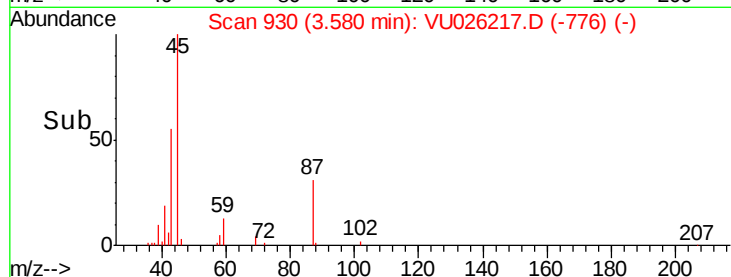
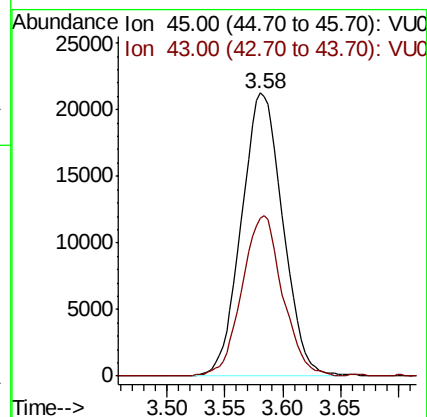
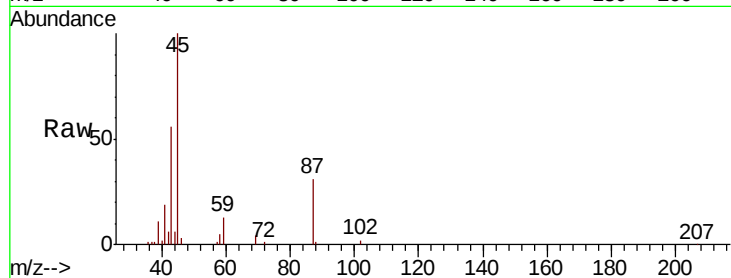
43 55.7 24.0 72.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 2.02 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU026217.D

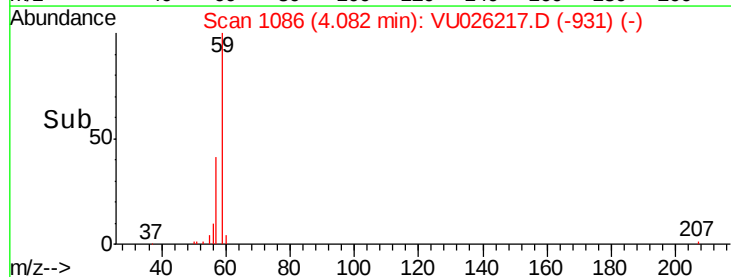
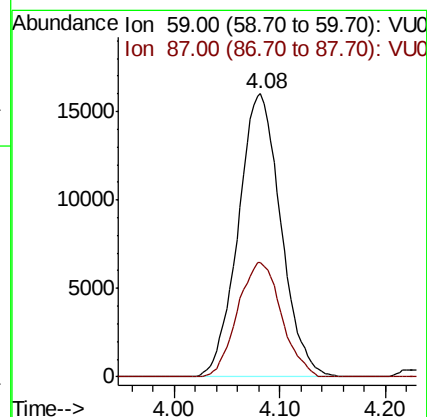
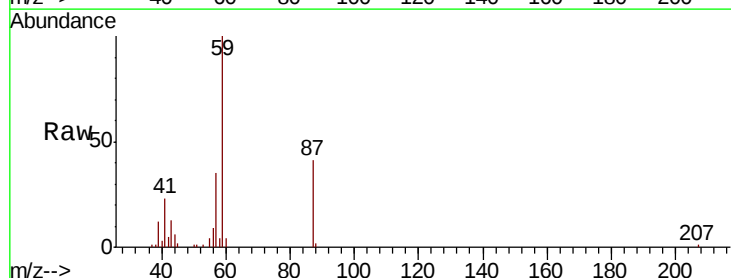
Acq: 20 Aug 2018 19:10

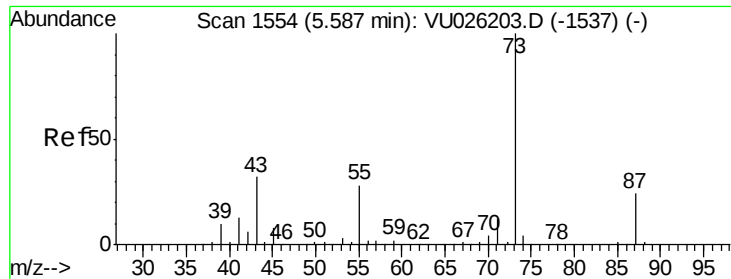
Tgt Ion: 59 Resp: 44873

Ion Ratio Lower Upper

59 100

87 41.5 31.0 46.6





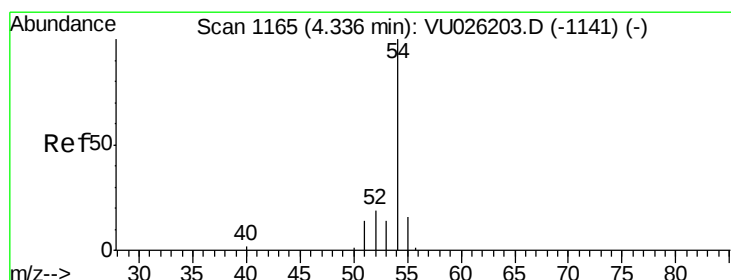
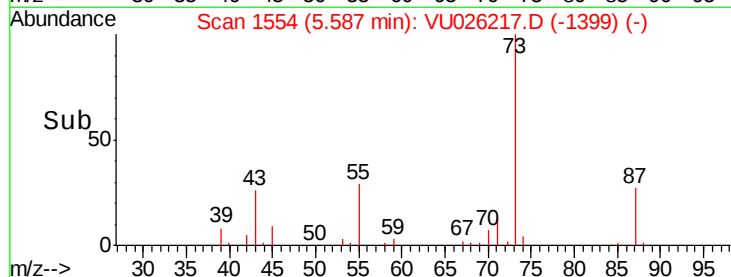
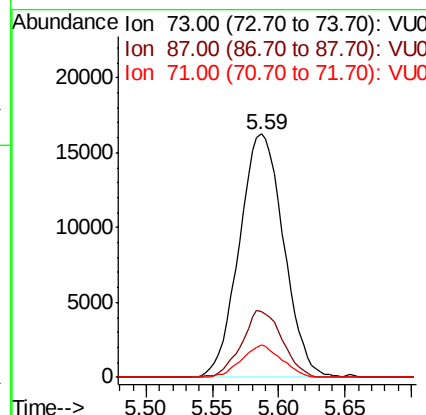
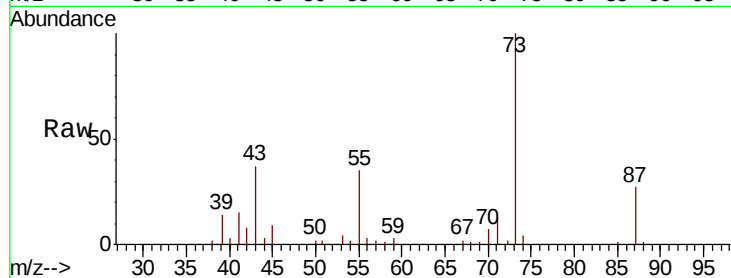
#33
Tert-Butyl methyl ether
Concen: 2.00 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion:	73	Resp:	37844
Ion	Ratio	Lower	Upper
73	100		
87	24.9	18.6	28.0
71	11.9	9.3	13.9

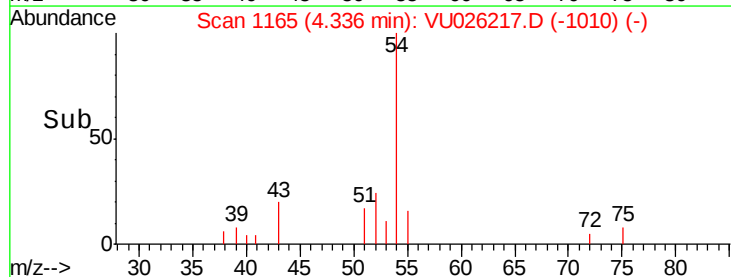
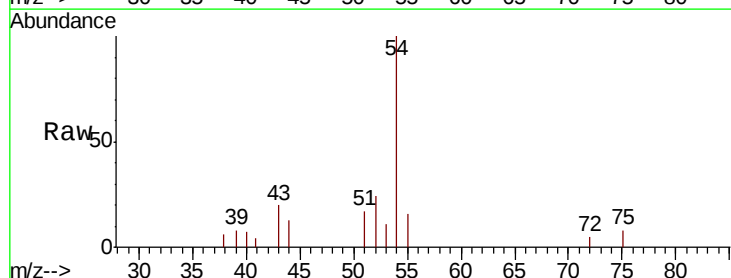
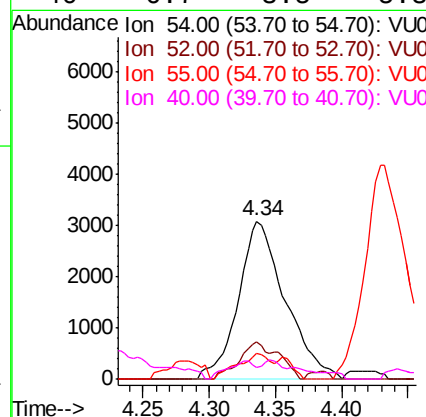
Manual Integrations
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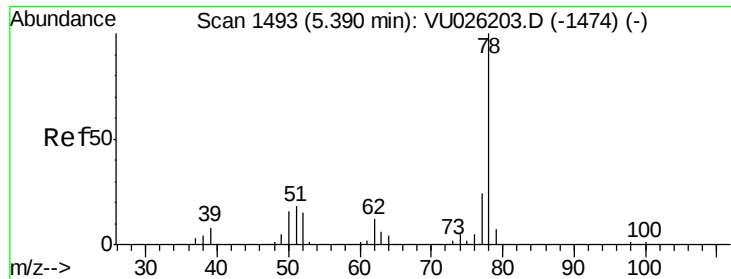
MMDadoda
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#34
Propionitrile
Concen: 11.28 ug/l
RT: 4.34 min Scan# 1165
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion:	54	Resp:	7566
Ion	Ratio	Lower	Upper
54	100		
52	19.5	13.7	20.5
55	11.3	10.2	15.2
40	6.7	3.5	5.3





#35

Benzene

Concen: 2.10 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 78 Resp: 75709

Ion Ratio Lower Upper

78 100

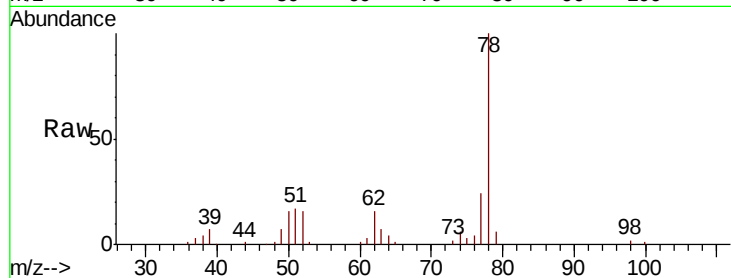
77 24.5 19.1 28.7

Manual Integrations

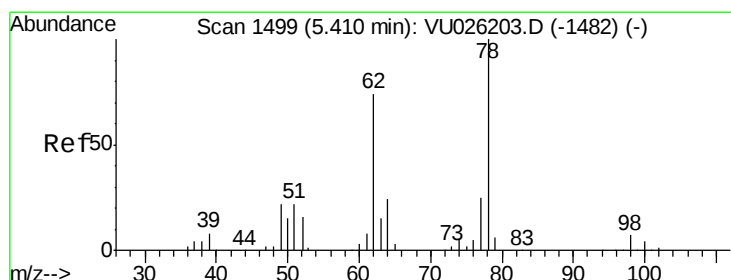
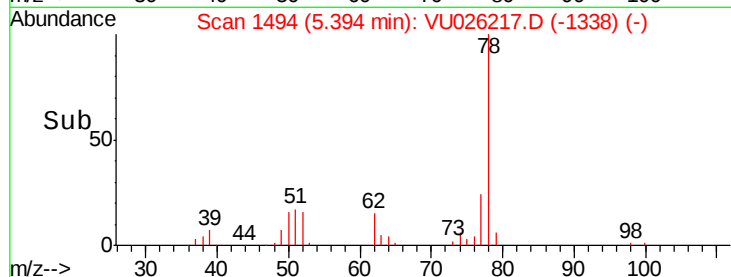
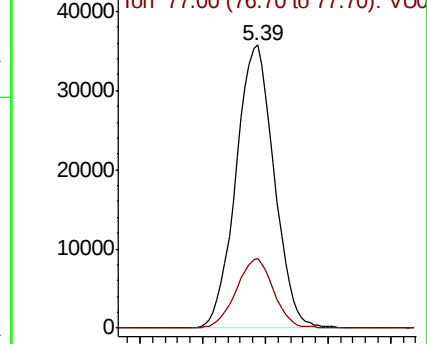
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Abundance Ion 78.10 (77.80 to 78.80): VU026217.D (-1474) (-)



#36

1,2-Dichloroethane

Concen: 2.23 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU026217.D

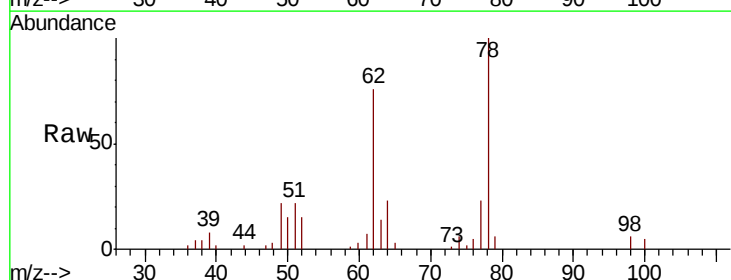
Acq: 20 Aug 2018 19:10

Tgt Ion: 62 Resp: 24854

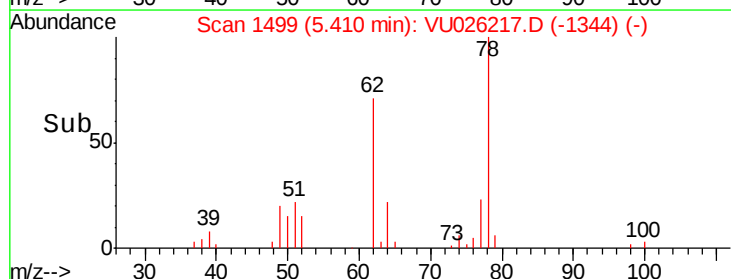
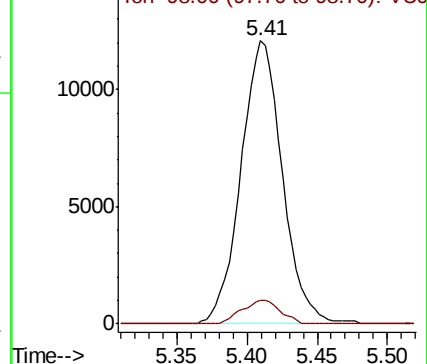
Ion Ratio Lower Upper

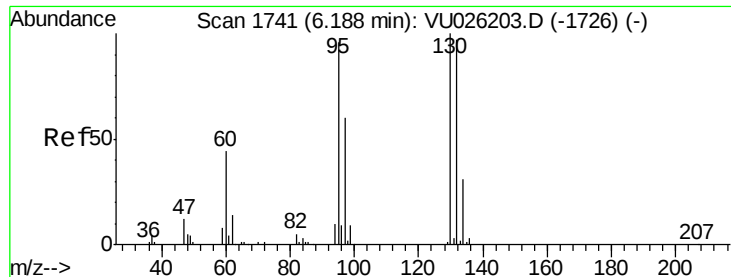
62 100

98 7.7 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026217.D (-1344) (-)





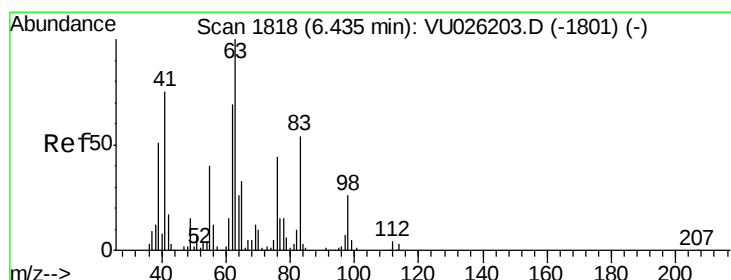
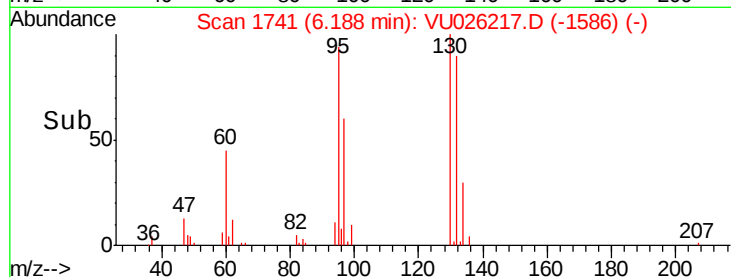
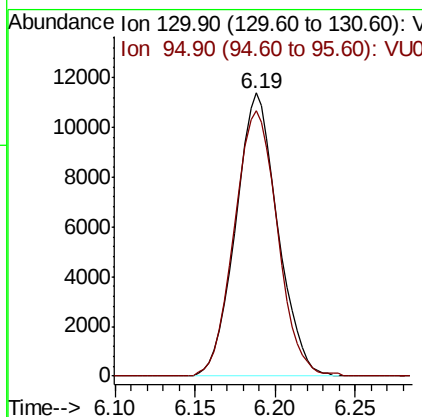
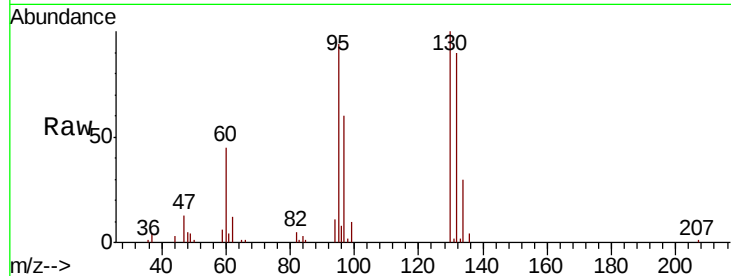
#37
 Trichloroethene
 Concen: 2.01 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
130	100		
95	93.7	77.9	116.9

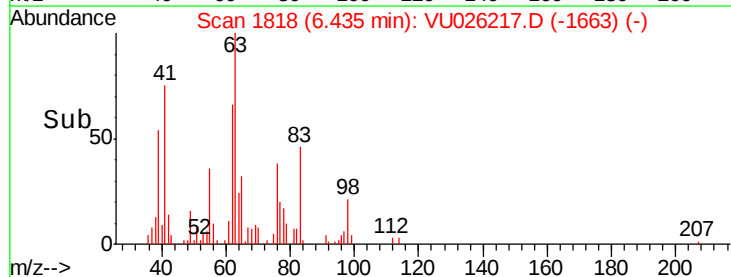
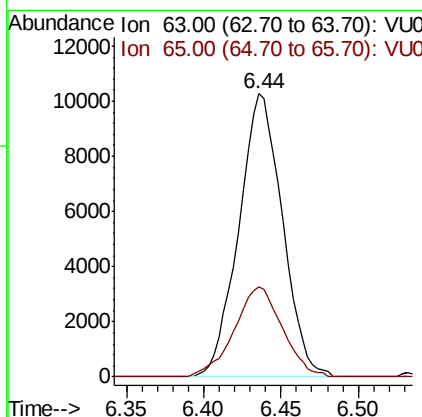
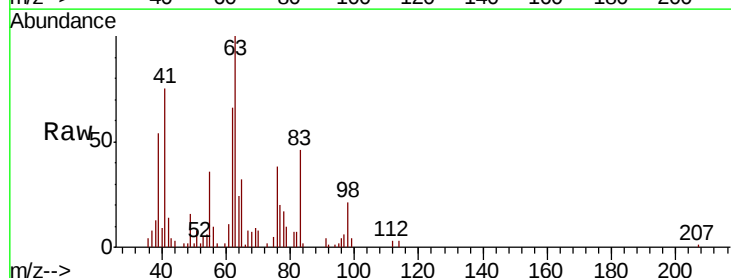
Manual Integrations
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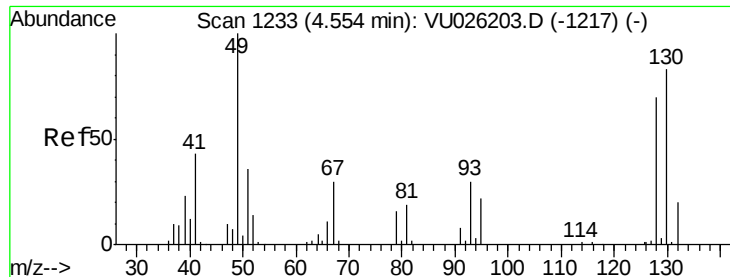
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#38
 1,2-Dichloropropane
 Concen: 2.16 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.8





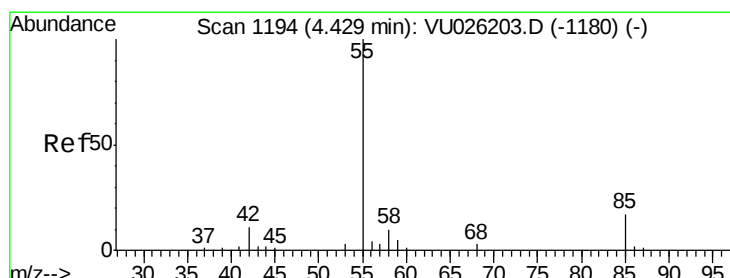
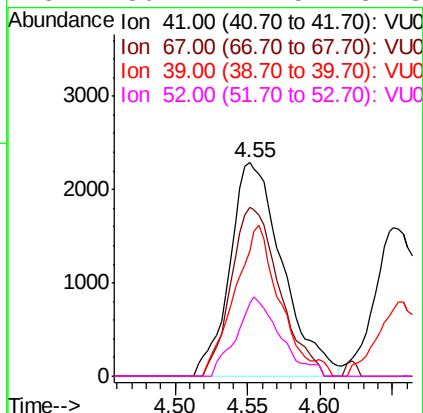
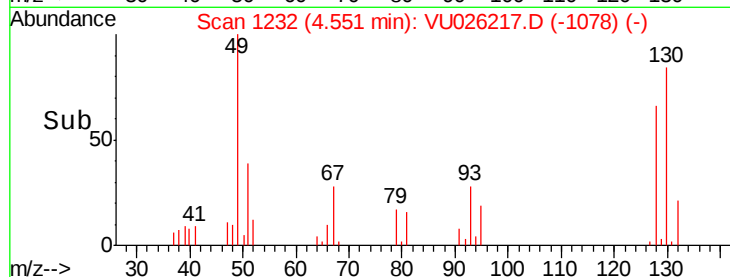
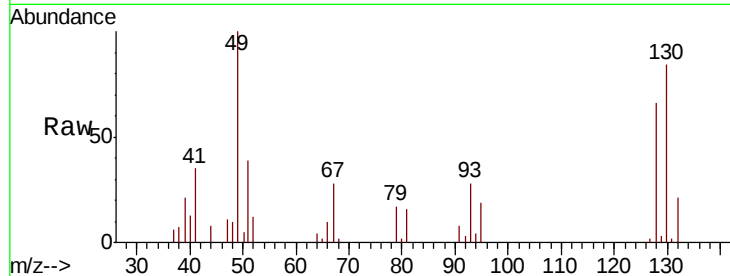
#39
Methacrylonitrile
Concen: 2.04 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
67	72.1	51.3	76.9		
39	60.7	40.6	60.8		
52	30.7	21.5	32.3		

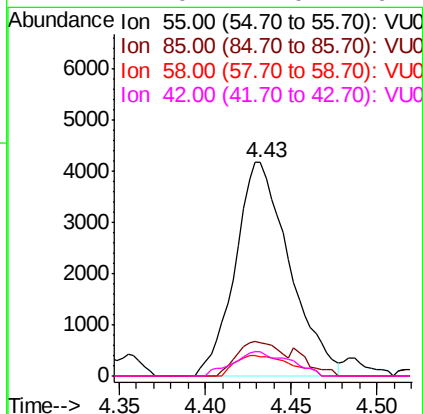
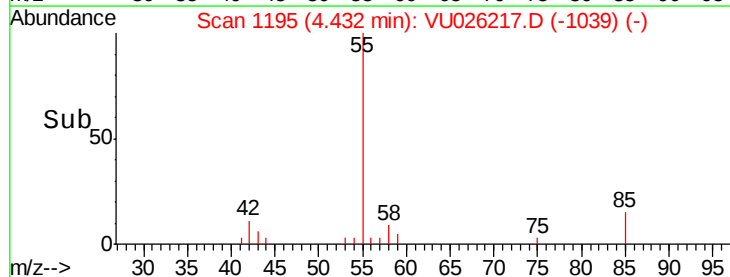
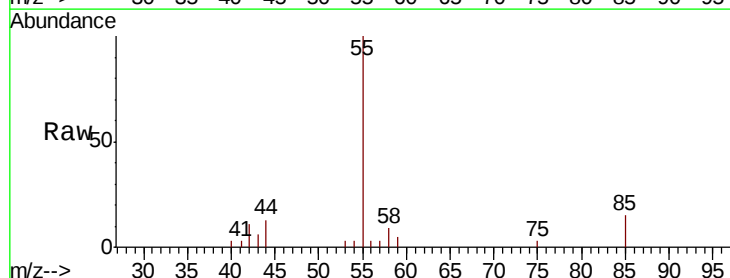
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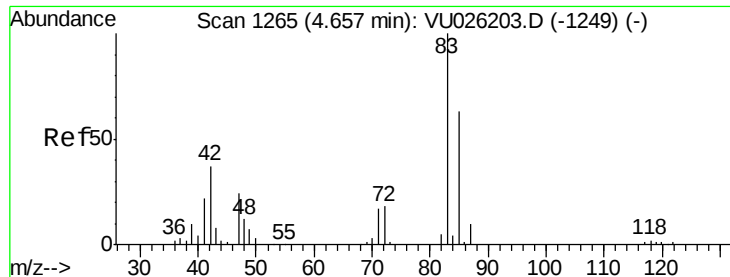
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#40
Methyl acrylate
Concen: 2.13 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100				
85	13.0	12.3	18.5		
58	9.7	7.0	10.6		
42	12.0	7.0	10.4#		





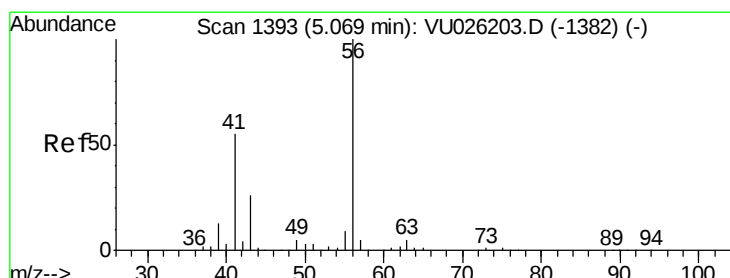
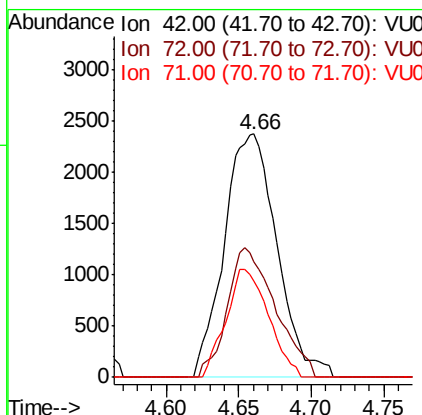
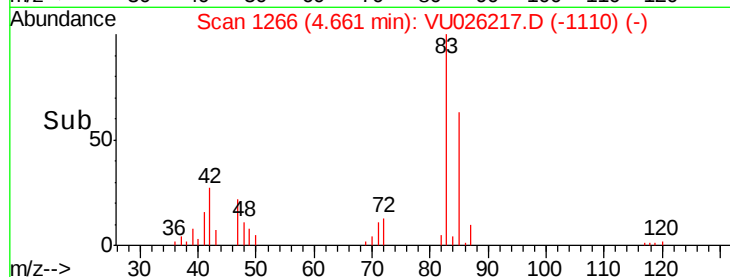
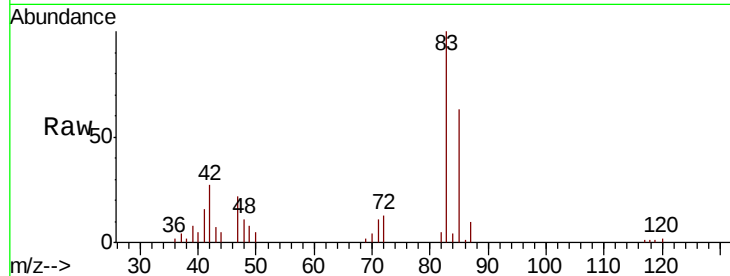
#41
Tetrahydrofuran
Concen: 3.80 ug/l
RT: 4.66 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion:	42	Resp:	5991
Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.2	49.8
71	35.8	29.8	44.8

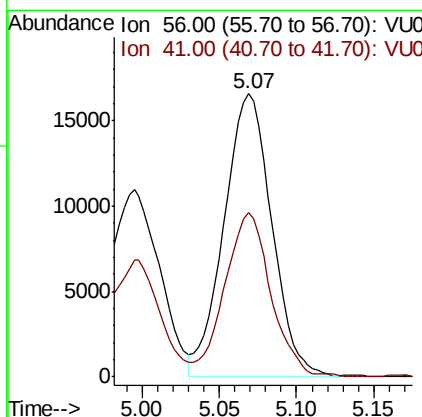
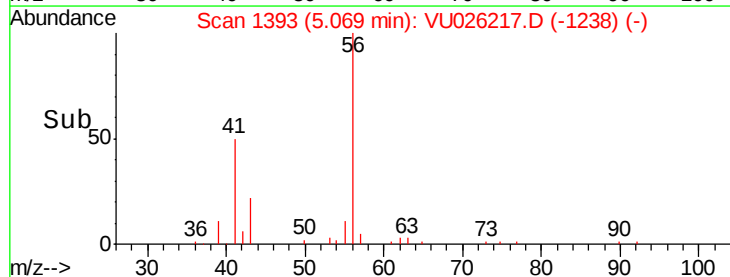
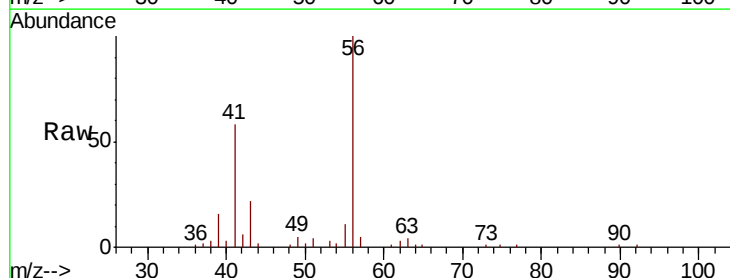
Manual Integrations
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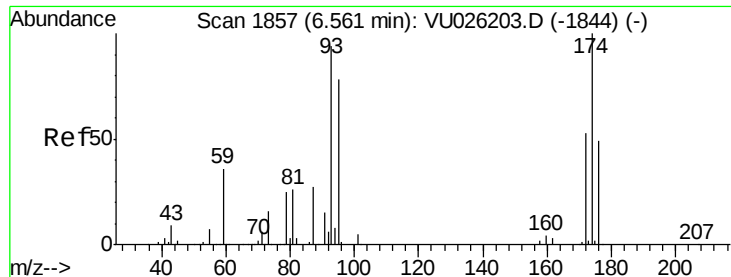
MMDadoda
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#42
1-Chlorobutane
Concen: 2.11 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion:	56	Resp:	35614
Ion	Ratio	Lower	Upper
56	100		
41	55.9	27.5	82.5





#43

Dibromomethane

Concen: 2.20 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 93 Resp: 10898

Ion Ratio Lower Upper

93 100

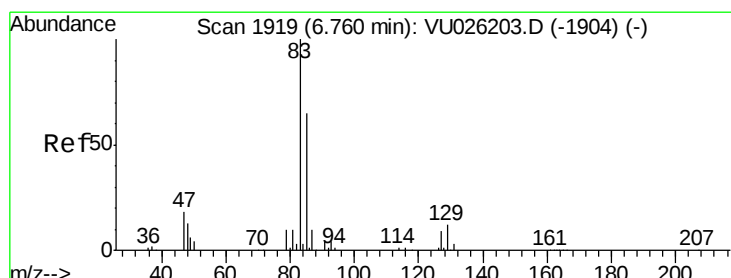
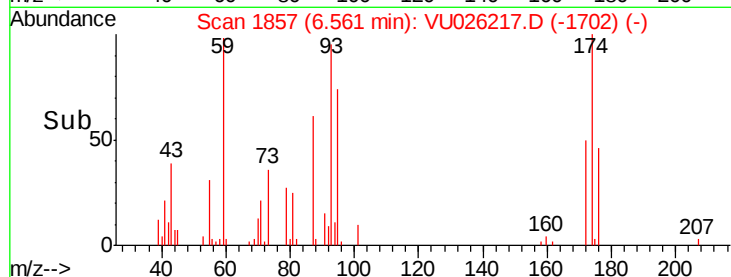
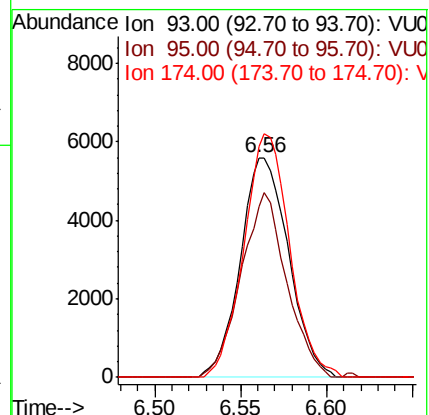
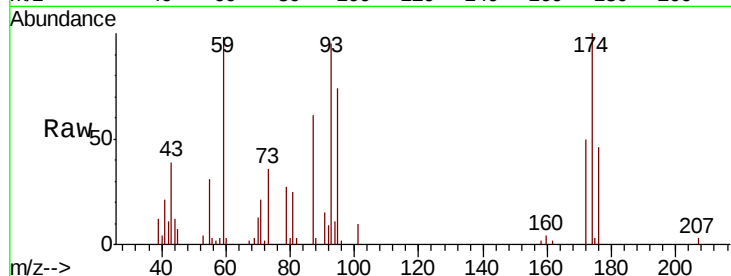
95 79.5 67.2 100.8

174 105.4 82.8 124.2

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#44

Bromodichloromethane

Concen: 2.16 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

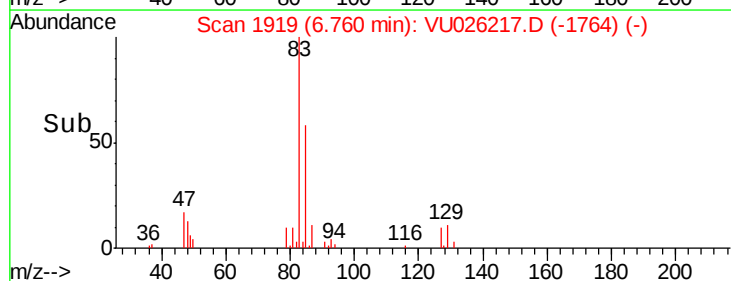
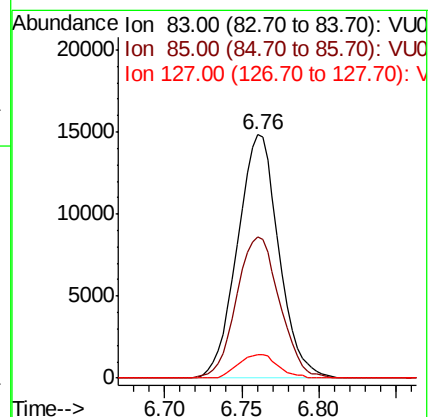
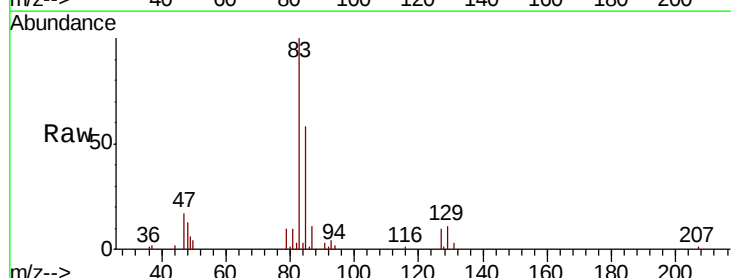
Tgt Ion: 83 Resp: 27575

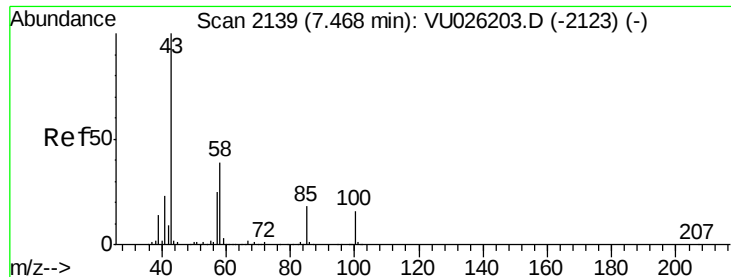
Ion Ratio Lower Upper

83 100

85 58.1 52.2 78.4

127 9.9 7.0 10.4





#45

4-Methyl-2-Pentanone

Concen: 10.30 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

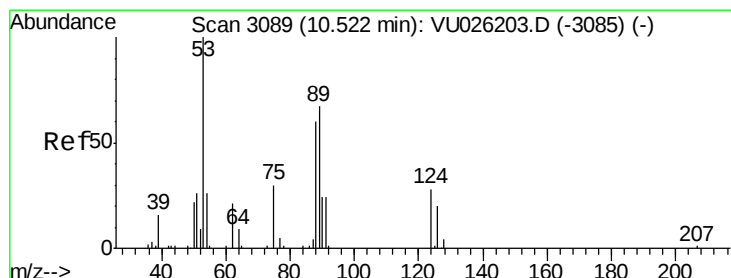
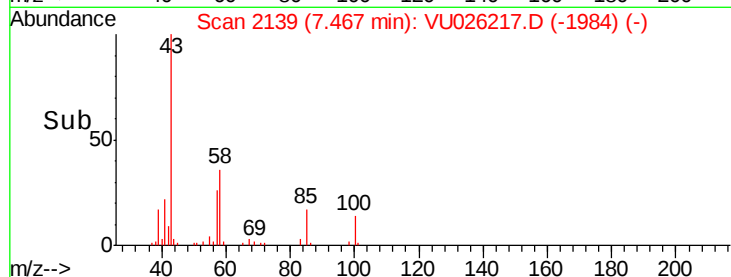
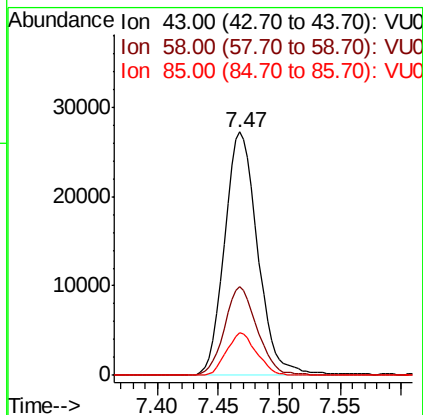
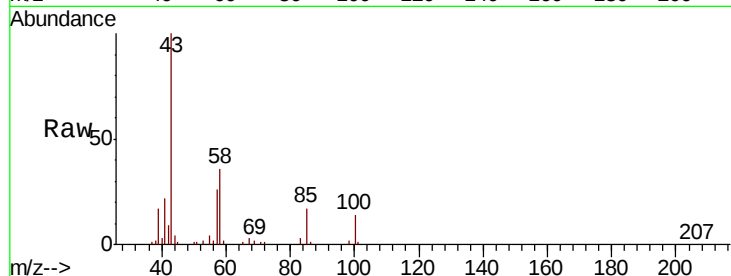
VU0820WBSD01

Tot Ion:	43	Resp:	51759
Ion	Ratio	Lower	Upper
43	100		
58	35.7	18.8	56.4
85	15.7	12.6	19.0

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 3.56 ug/l m

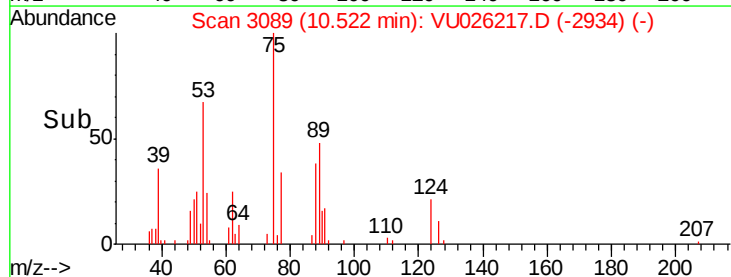
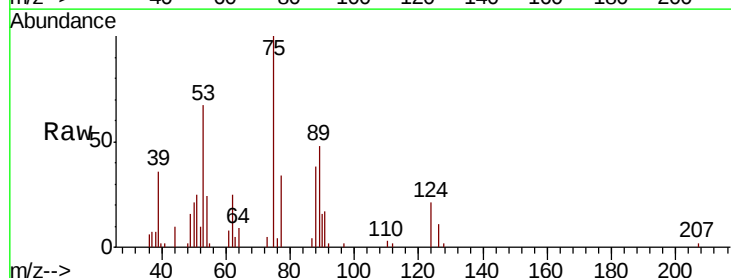
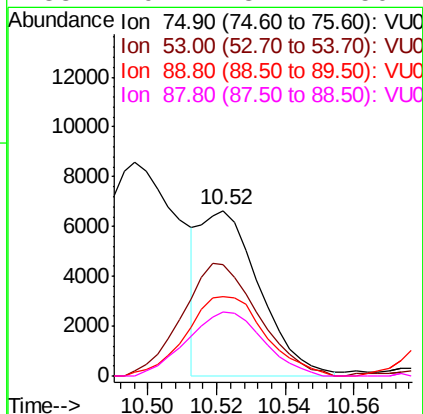
RT: 10.52 min Scan# 3089

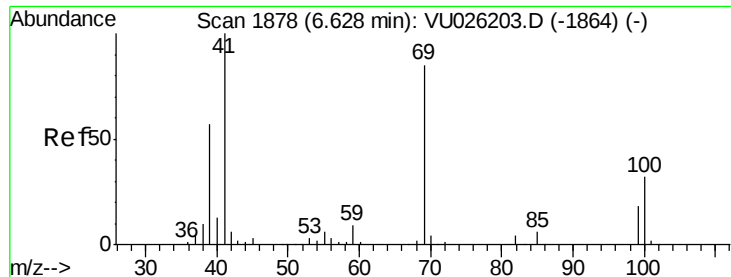
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	75	Resp:	7968
Ion	Ratio	Lower	Upper
75	100		
53	87.4	82.2	123.4
89	63.5	51.3	76.9
88	49.4	37.4	56.2





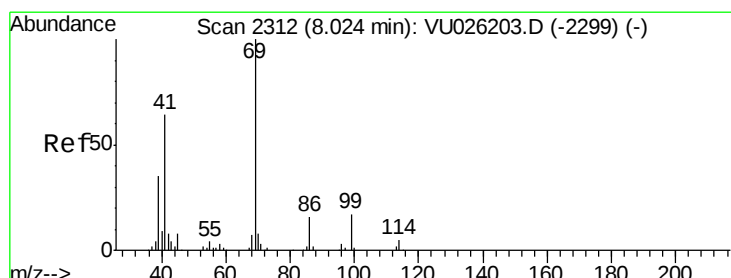
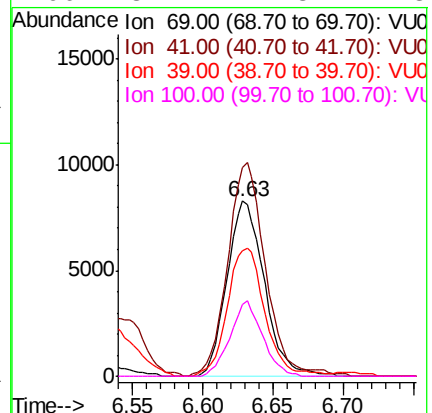
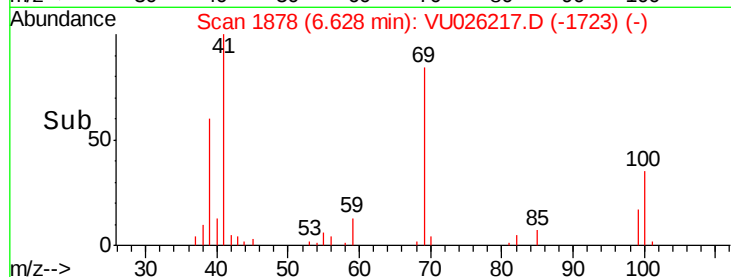
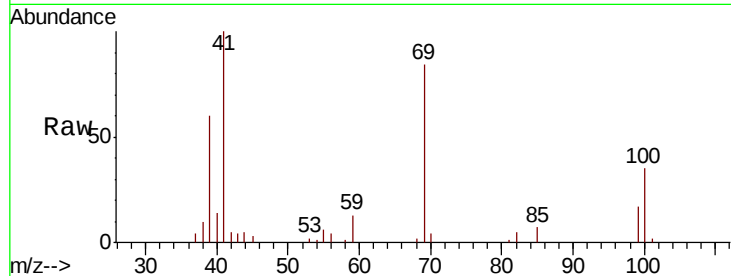
#47
Methvl methacrylate
Concen: 4.05 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	121.4	0.0	245.4	
39	73.7	49.0	73.4#	
100	37.4	27.8	41.8	

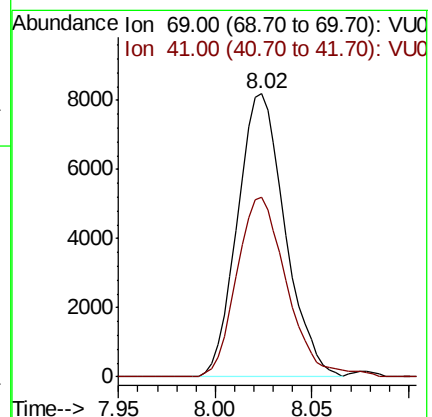
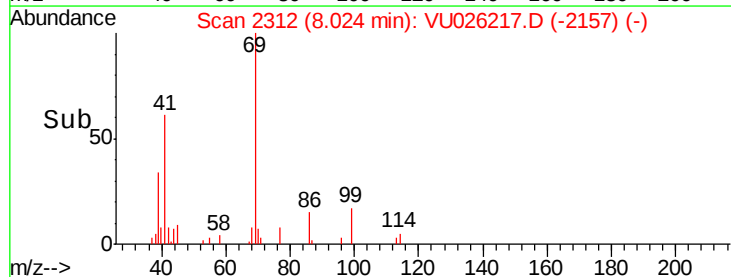
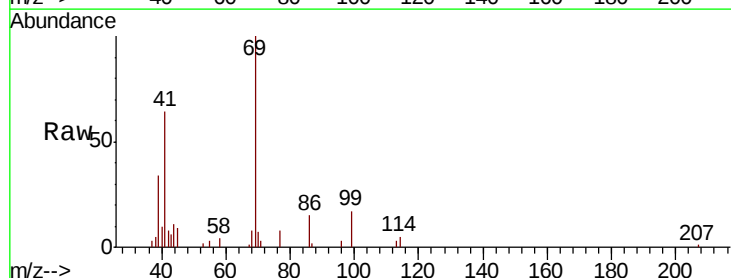
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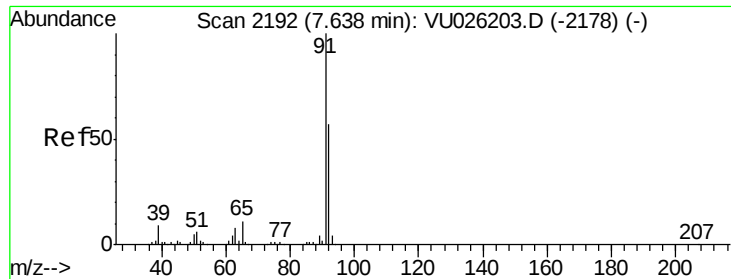
MMDadoda
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#48
Ethyl methacrylate
Concen: 2.02 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	66.9	34.2	102.5	





#49

Toluene

Concen: 2.01 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 92 Resp: 41424

Ion Ratio Lower Upper

92 100

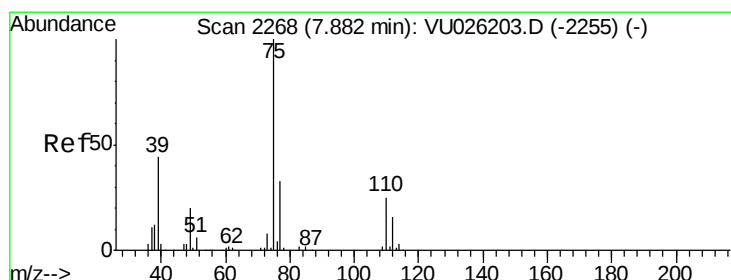
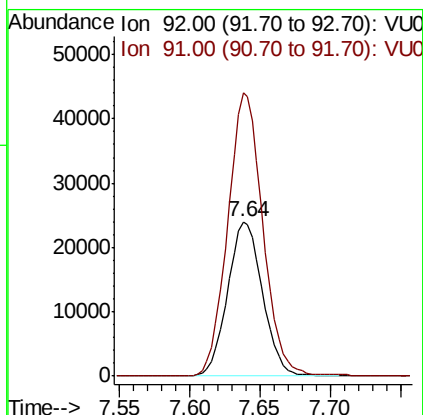
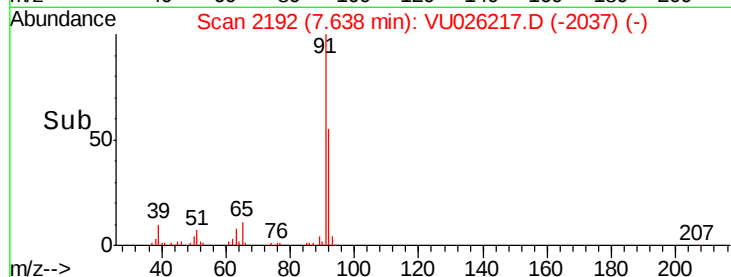
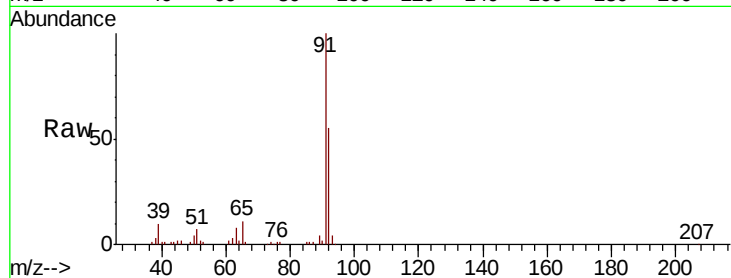
91 184.3 137.1 205.7

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 2.05 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026217.D

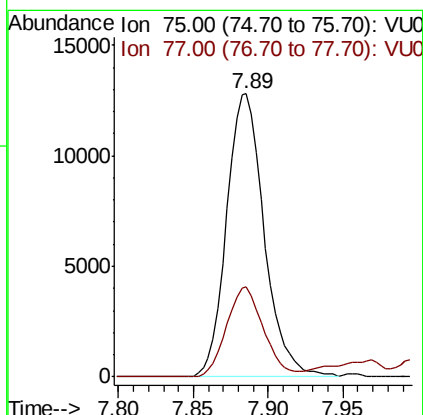
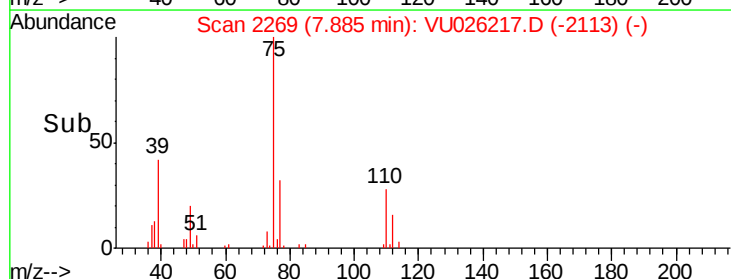
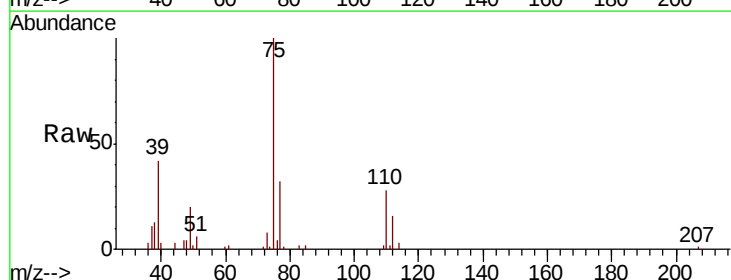
Acq: 20 Aug 2018 19:10

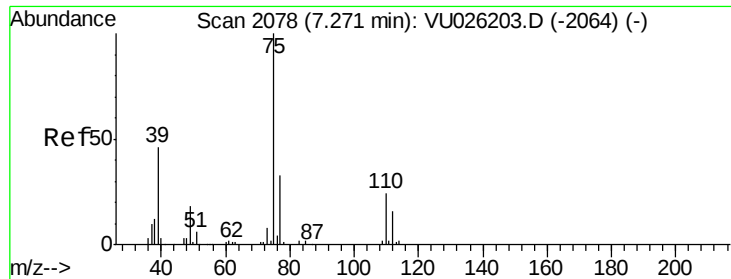
Tgt Ion: 75 Resp: 22405

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8





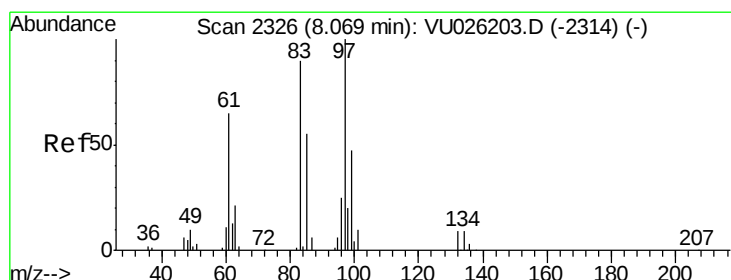
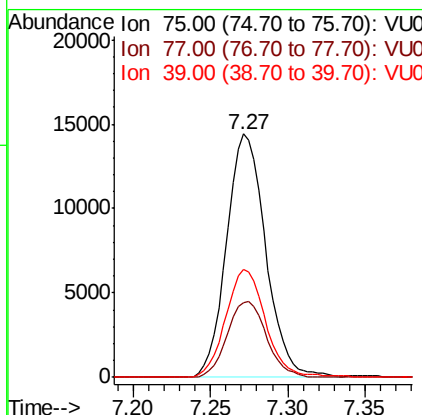
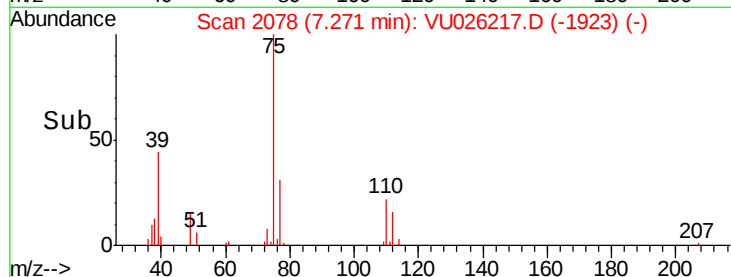
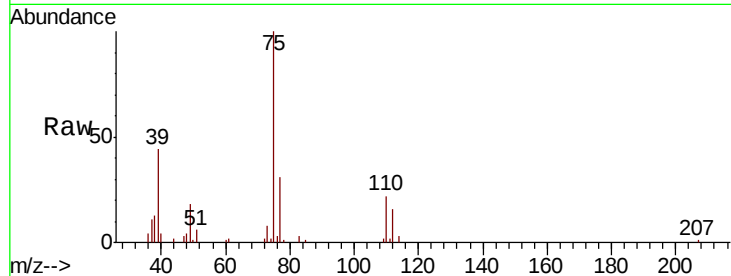
#51
 cis-1,3-Dichloropropene
 Concen: 2.00 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion:	75	Resp:	25321
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	44.1	36.4	54.6

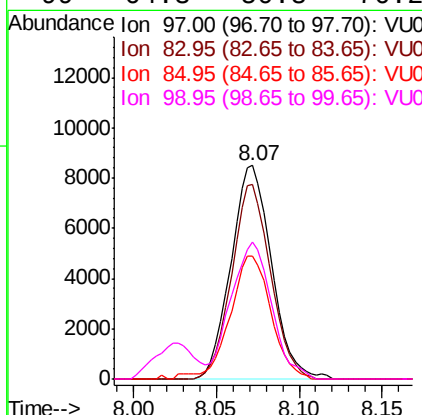
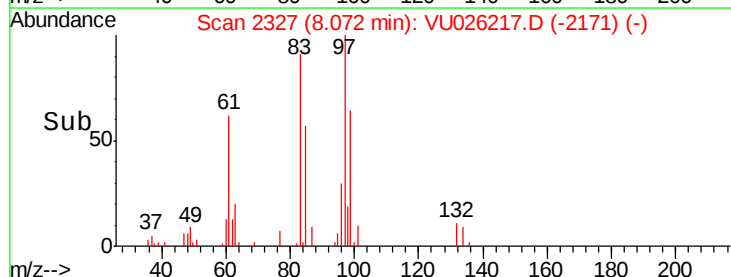
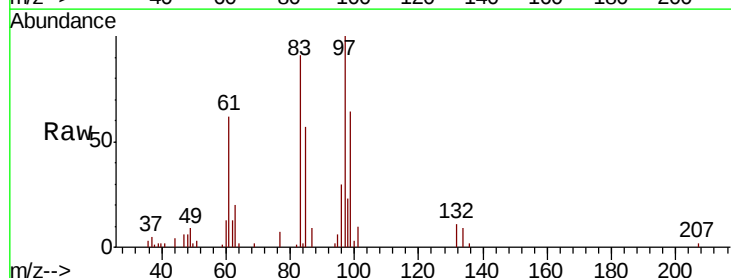
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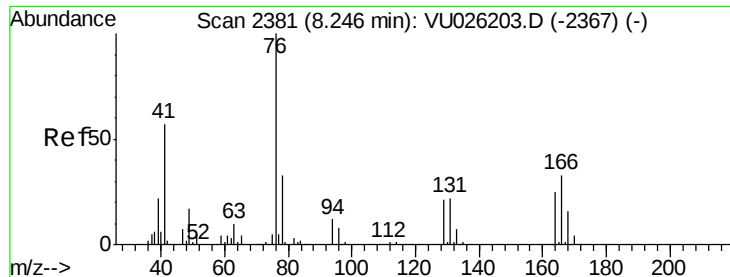
MMDadoda
 8/21/2018 11:34:28 AM



#52
 1,1,2-Trichloroethane
 Concen: 2.15 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion:	97	Resp:	14443
Ion	Ratio	Lower	Upper
97	100		
83	91.4	72.6	109.0
85	57.4	47.2	70.8
99	64.3	50.8	76.2





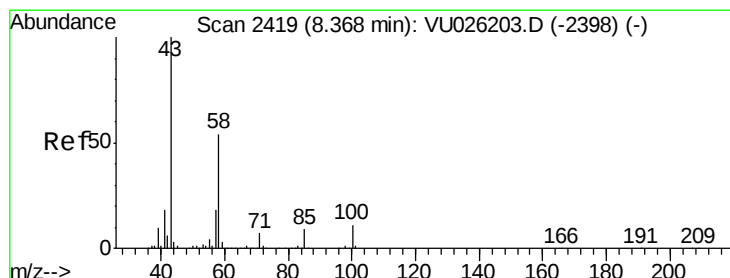
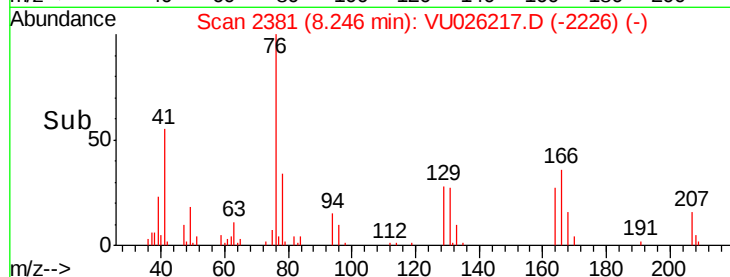
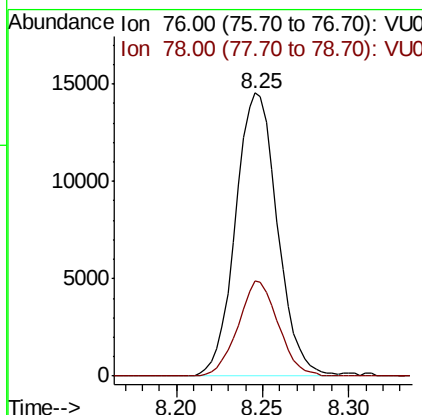
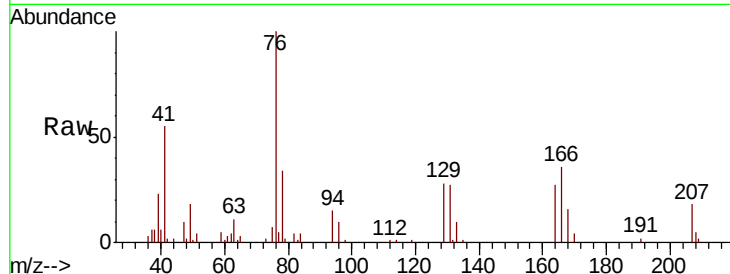
#53
 1,3-Dichloropropane
 Concen: 2.21 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

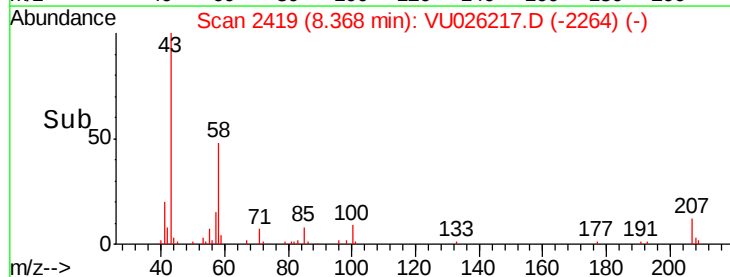
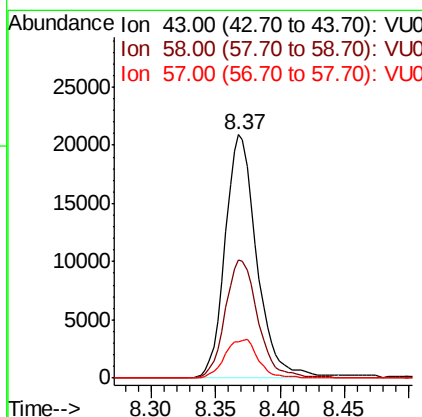
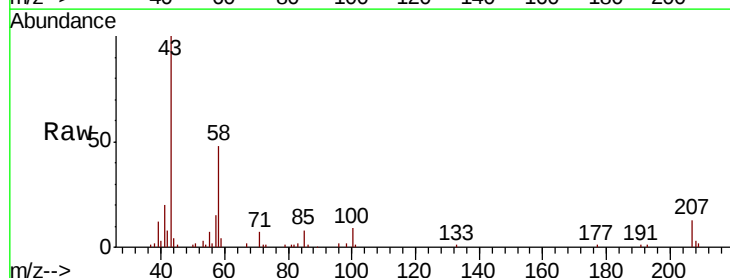
Manual Integrations
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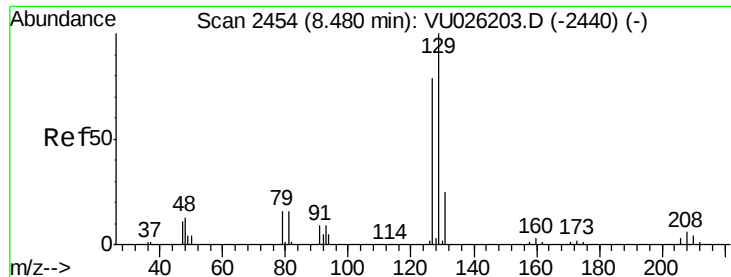
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#54
 2-Hexanone
 Concen: 10.00 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.6	32.5	72.5
57	16.4	0.0	37.9





#55

Dibromochloromethane

Concen: 2.14 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion:129 Resp: 19243

Ion Ratio Lower Upper

129 100

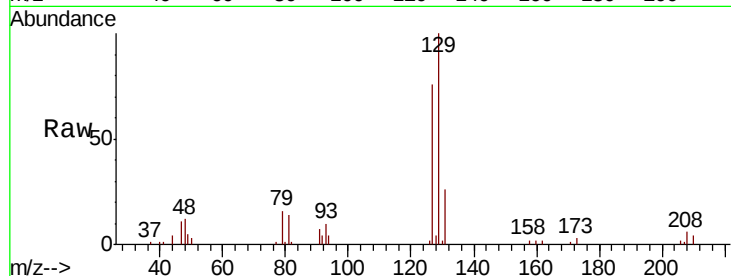
127 75.6 61.1 91.7

Manual Integrations

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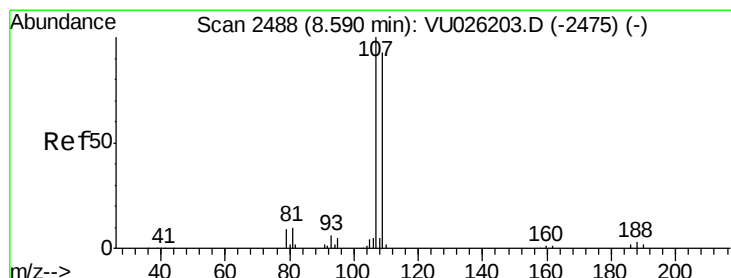
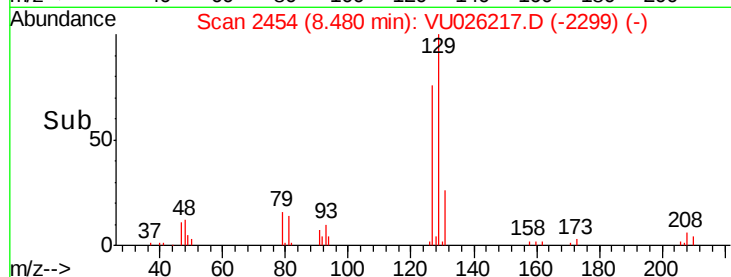
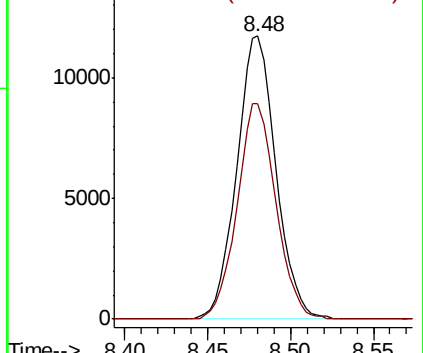
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.09 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU026217.D

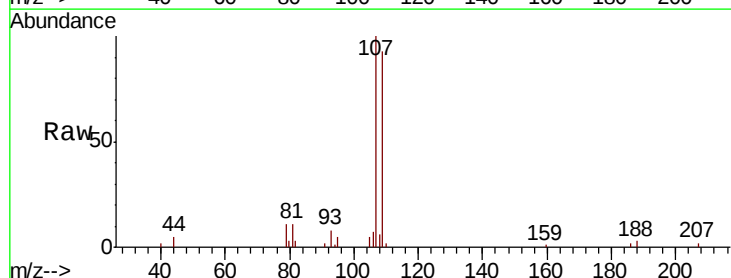
Acq: 20 Aug 2018 19:10

Tgt Ion:107 Resp: 13653

Ion Ratio Lower Upper

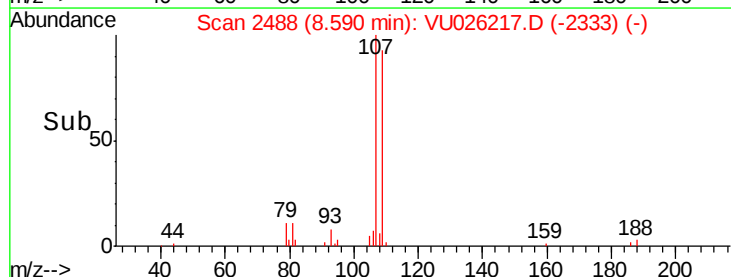
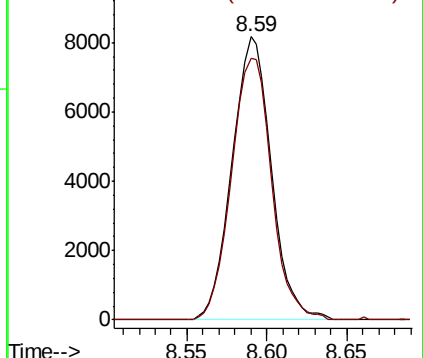
107 100

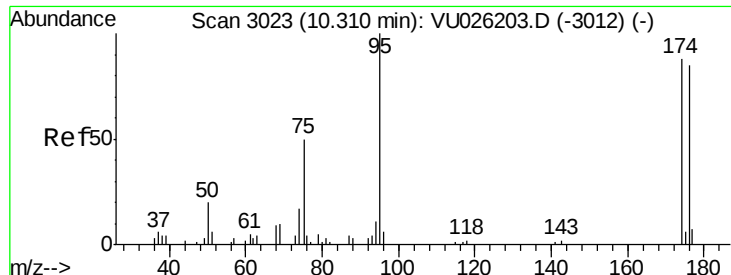
109 94.6 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





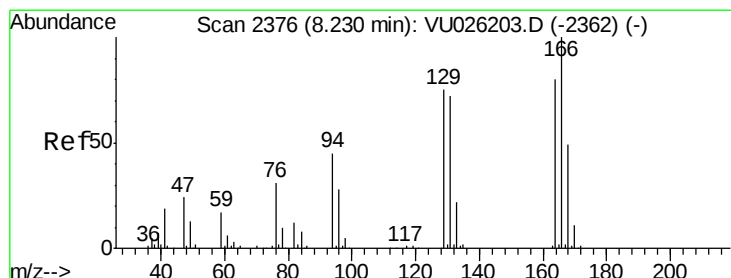
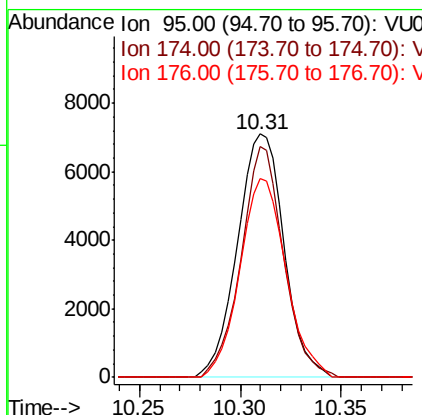
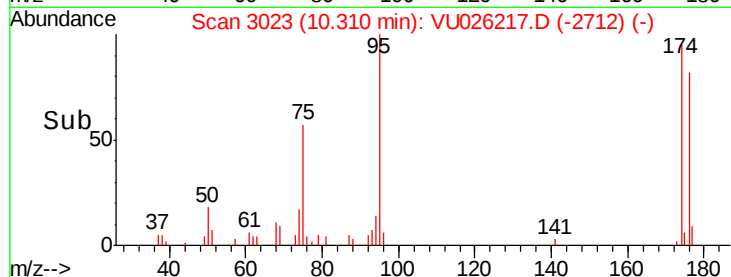
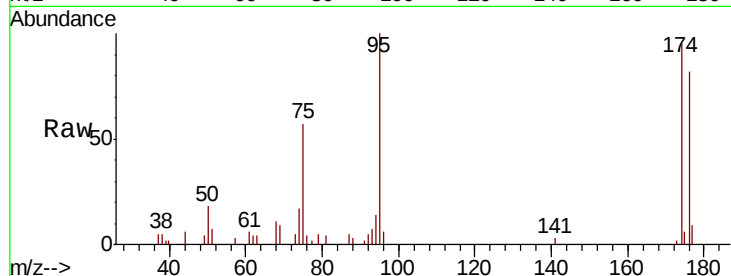
#57
4-Bromofluorobenzene
Concen: 2.09 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	11473		
174	86.4	65.6	98.4	
176	80.7	62.0	93.0	

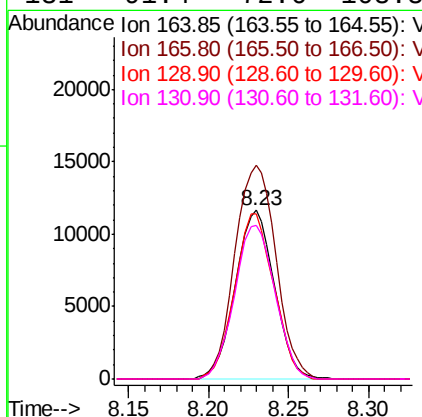
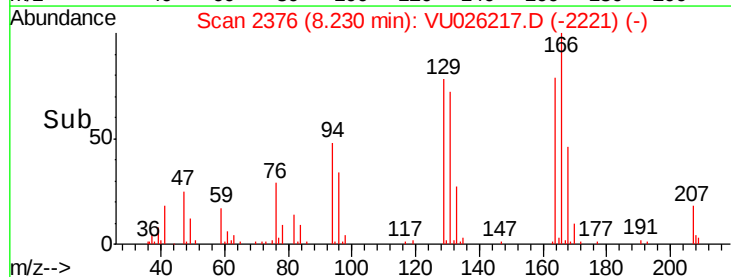
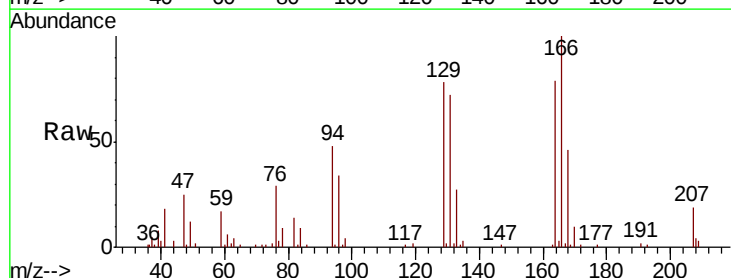
Manual Integrations
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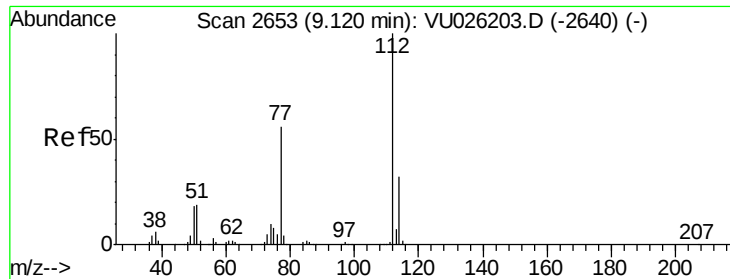
MMDadoda
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#58
Tetrachloroethene
Concen: 2.03 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19464		
166	126.6	104.1	156.1	
129	98.3	76.8	115.2	
131	91.4	72.6	108.8	





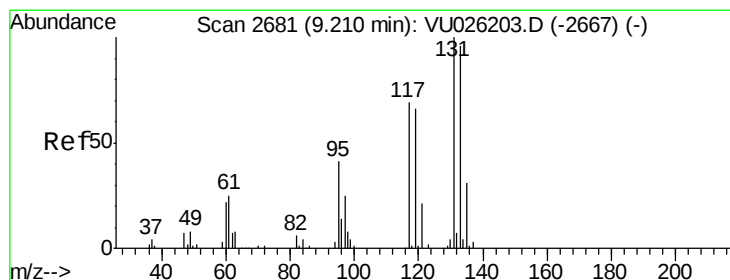
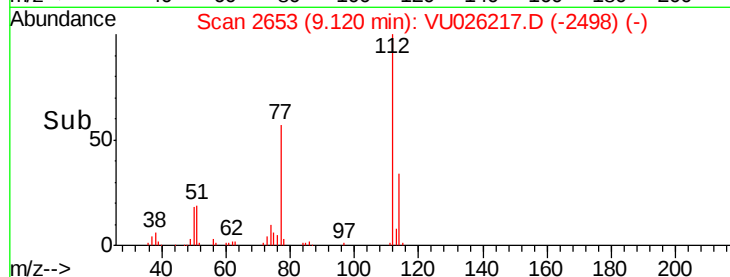
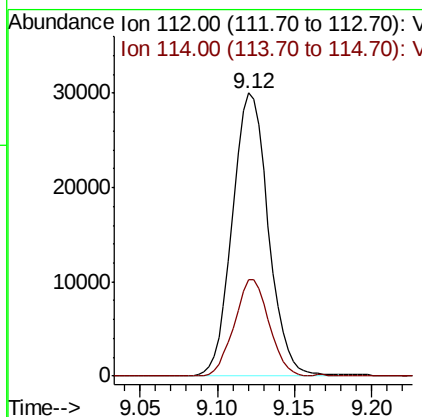
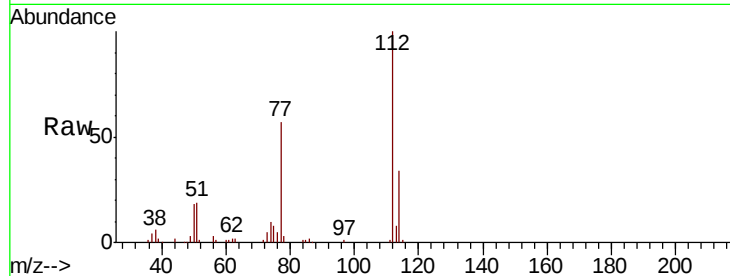
#59
Chlorobenzene
Concen: 2.04 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.2	25.4	38.2

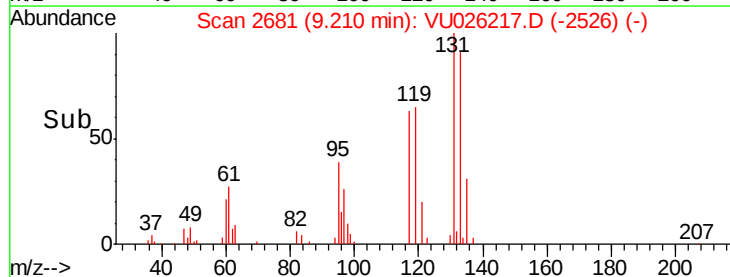
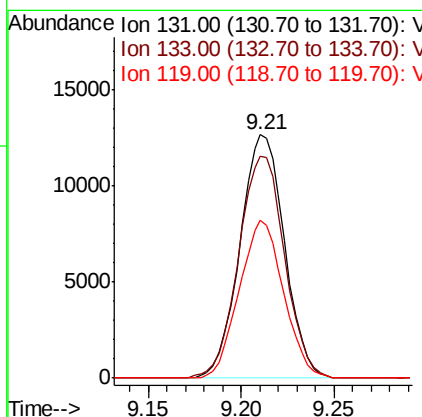
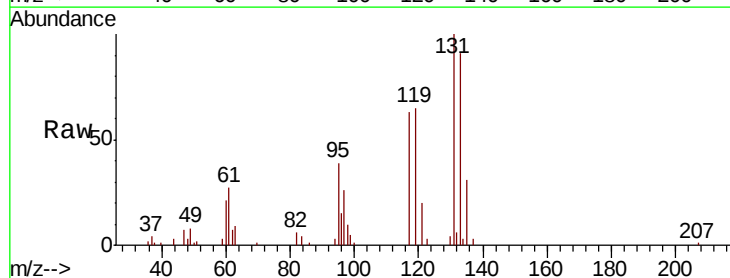
Manual Integrations
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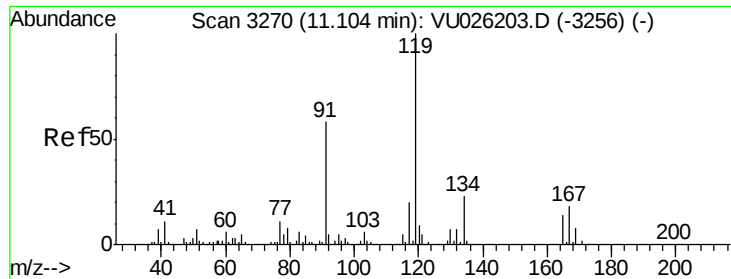
MMDadoda
8/21/2018 11:34:28 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.22 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	75.8	113.8
119	64.6	53.0	79.6





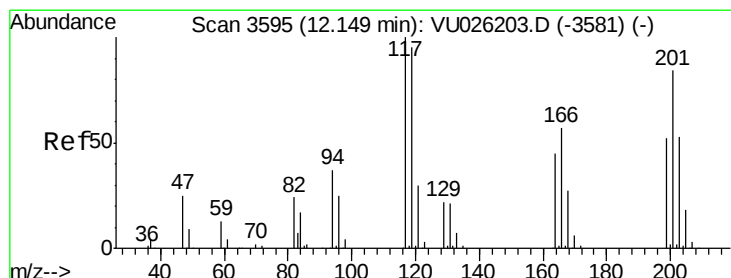
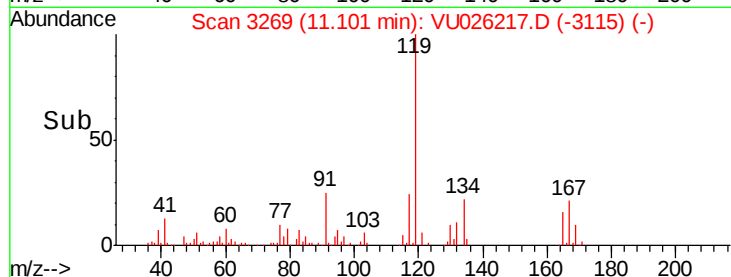
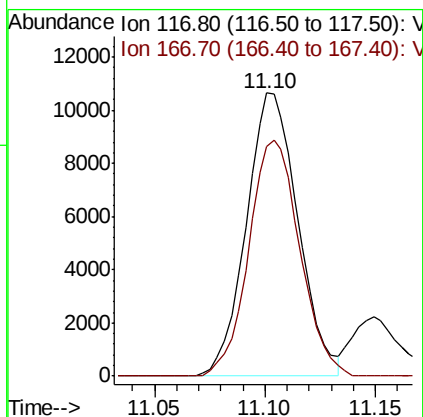
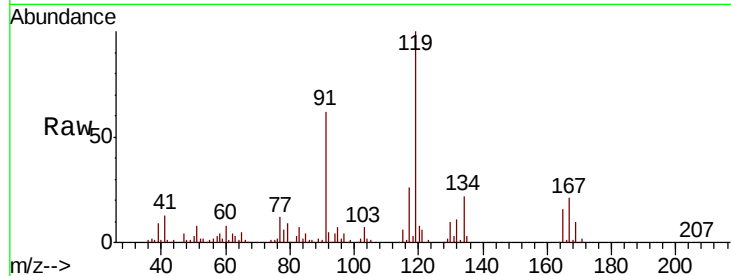
#61
 Pentachloroethane
 Concen: 2.14 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
167	82.0	69.2	103.8

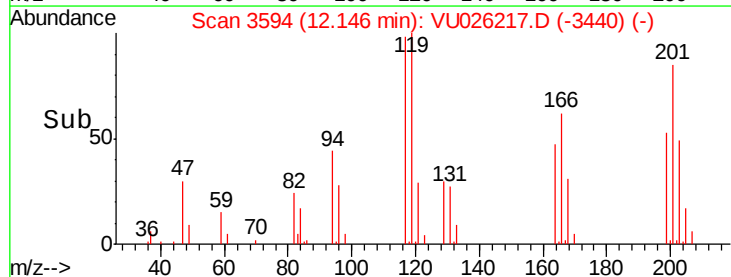
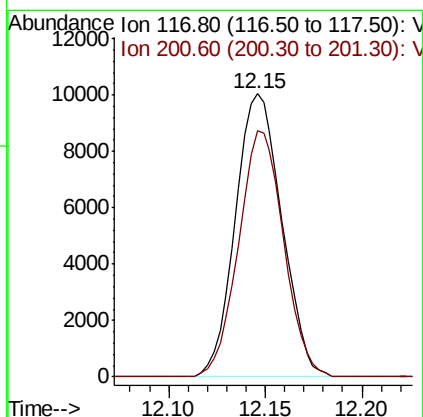
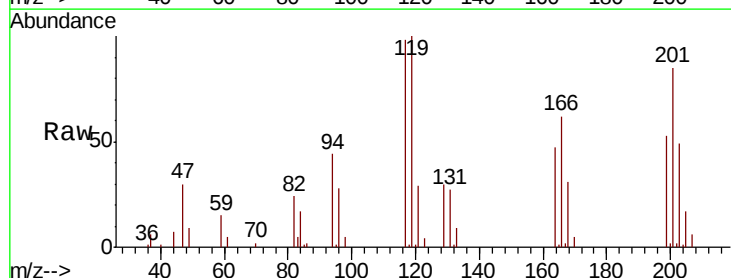
Manual Integrations
 APPROVED

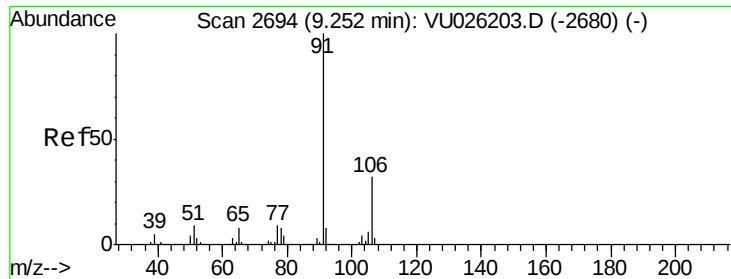
MMDadoda
 8/21/2018 11:34:28 AM



#62
 Hexachloroethane
 Concen: 2.07 ug/l
 RT: 12.15 min Scan# 3594
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	68.7	103.1





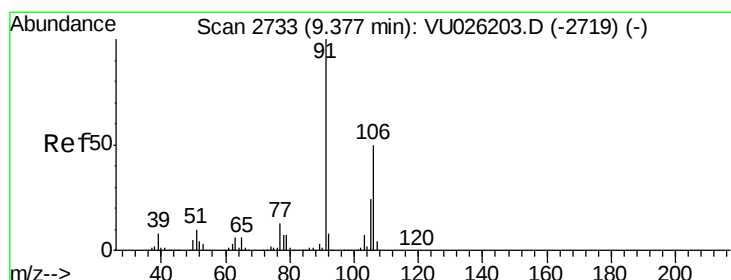
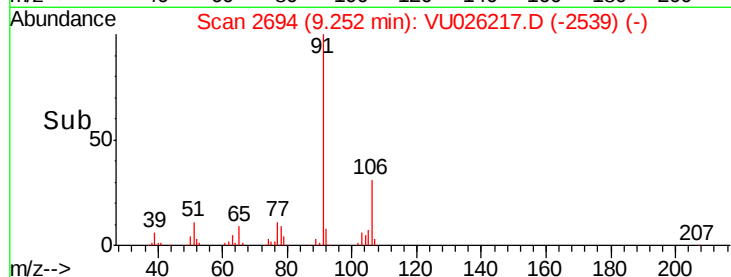
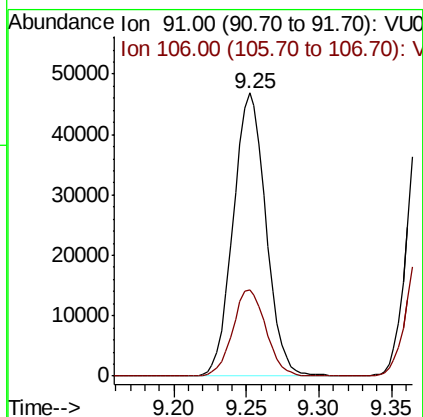
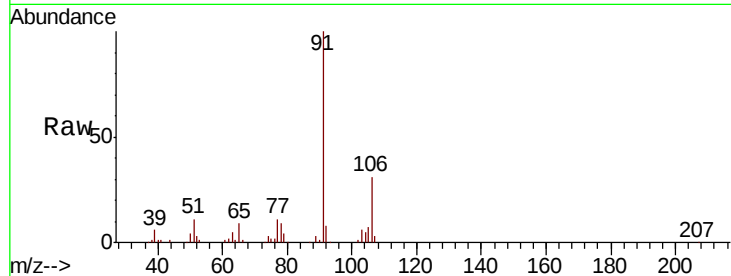
#63
Ethyl Benzene
Concen: 1.94 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	91	Resp	73394
Ion Ratio	Lower	Upper	
91	100		
106	30.6	24.7	37.1

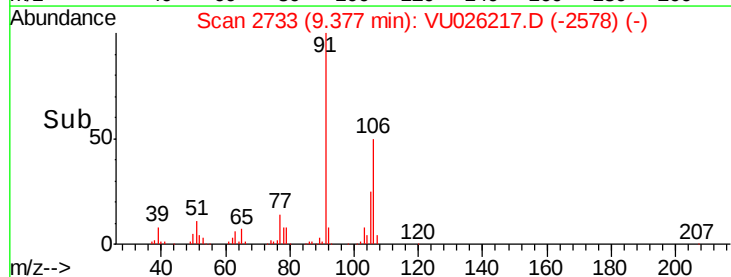
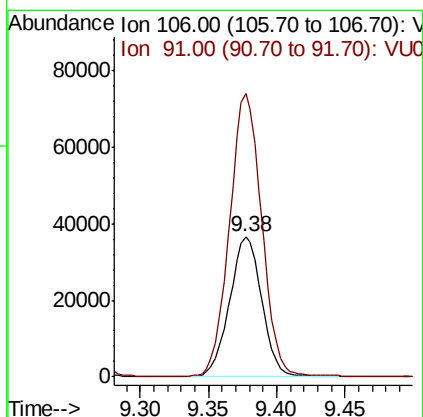
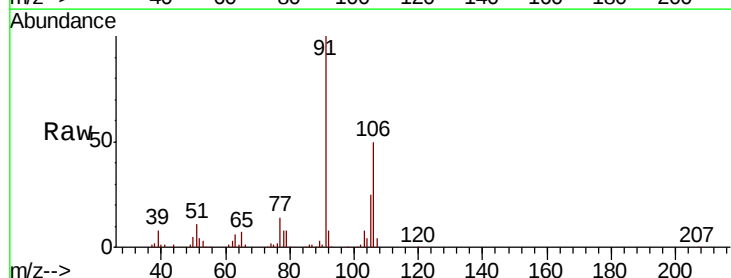
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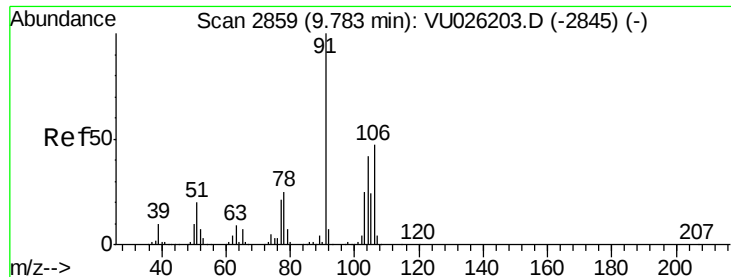
MMDadoda
8/21/2018 11:34:28 AM



#64
m/p-Xylenes
Concen: 3.98 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	106	Resp	60034
Ion Ratio	Lower	Upper	
106	100		
91	201.3	164.1	246.1





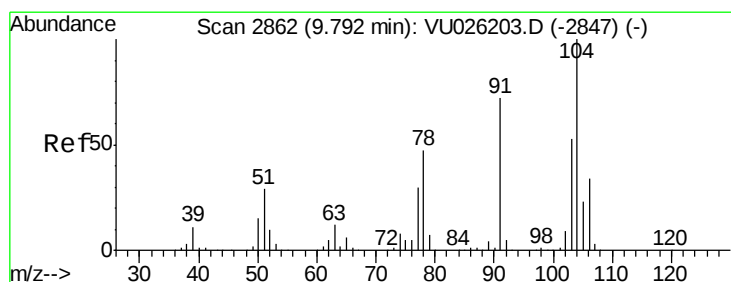
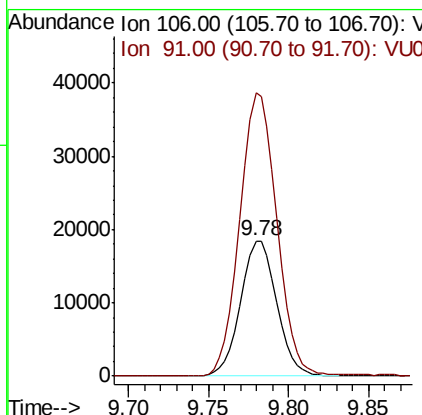
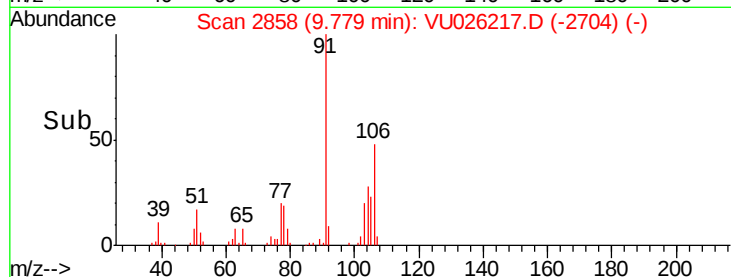
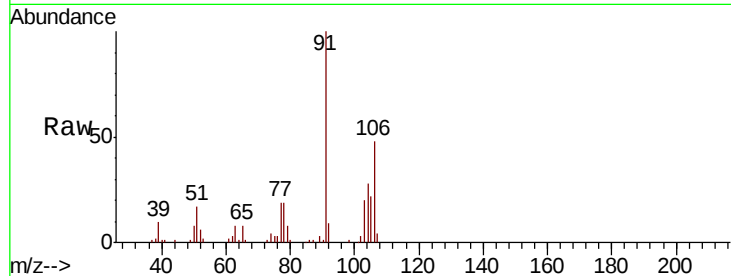
#65
o-Xylene
Concen: 1.97 ug/l
RT: 9.78 min Scan# 2858
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
28401	106	100		
	91	215.1	107.9	323.7

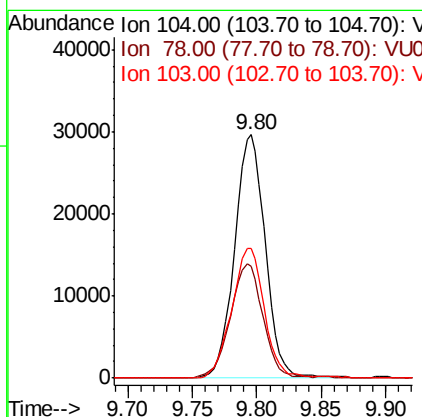
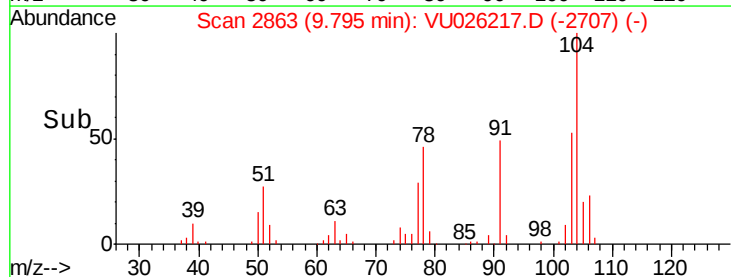
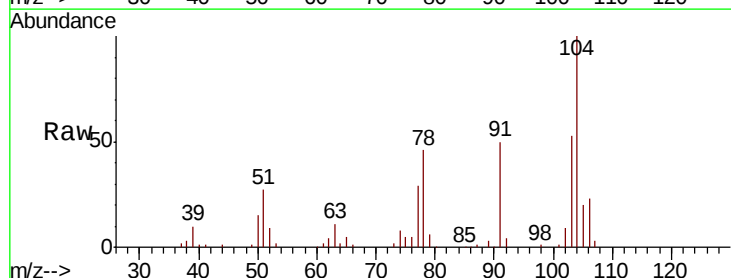
Manual Integrations
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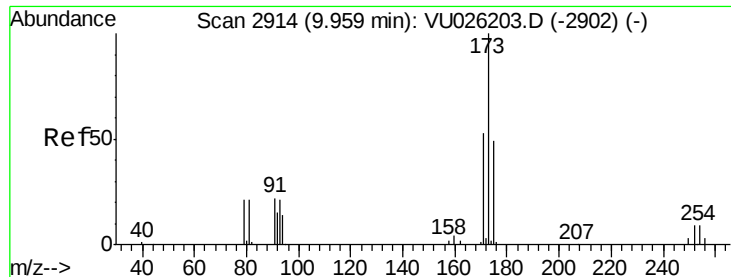
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#66
Styrene
Concen: 1.99 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ion	Ratio	Lower	Upper
49023	104	100		
	78	49.7	40.2	60.2
	103	56.4	44.2	66.4





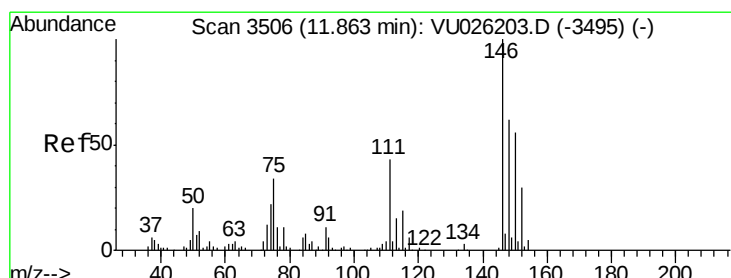
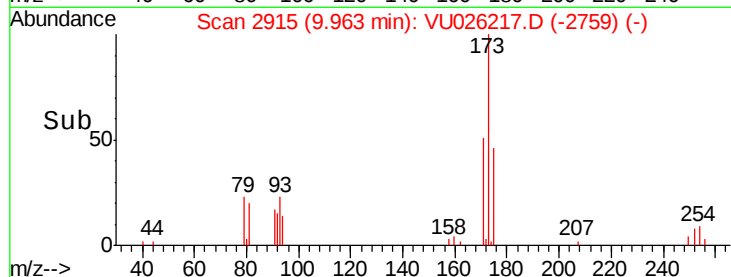
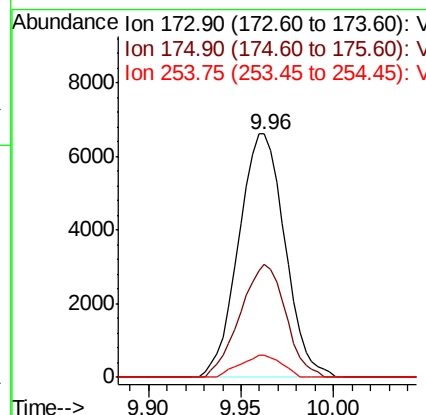
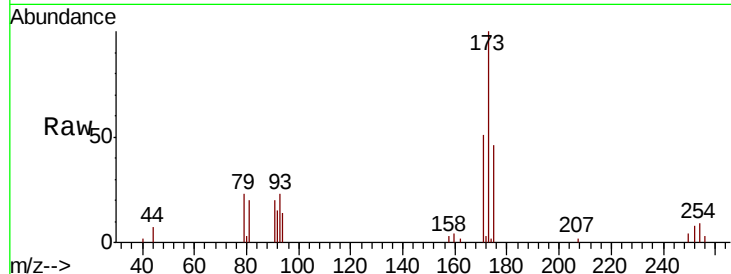
#67
Bromoform
Concen: 2.17 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.8	38.6	57.8
254	8.2	8.8	13.2

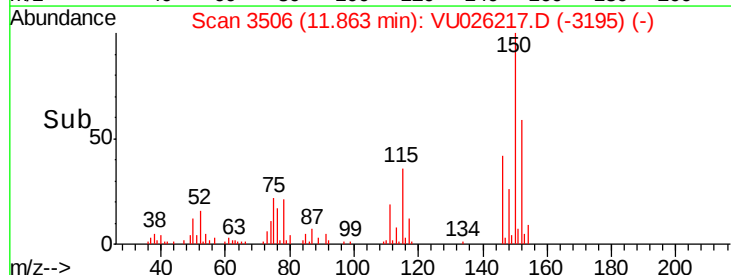
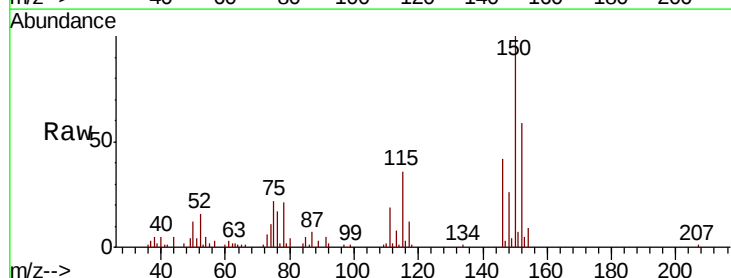
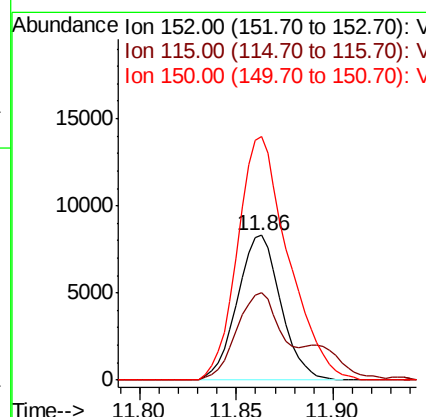
Manual Integrations
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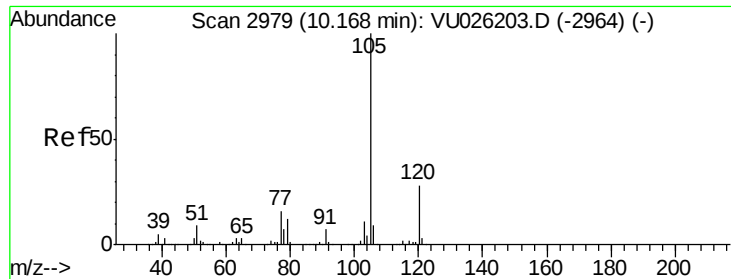
MMDadoda
8/21/2018 11:34:28 AM



#68
1,2-Dichlorobenzene-d4
Concen: 2.17 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	0.0	118.8
150	195.5	0.0	0.0





#69

Isopropylbenzene

Concen: 2.01 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion:105 Resp: 76597

Ion Ratio Lower Upper

105 100

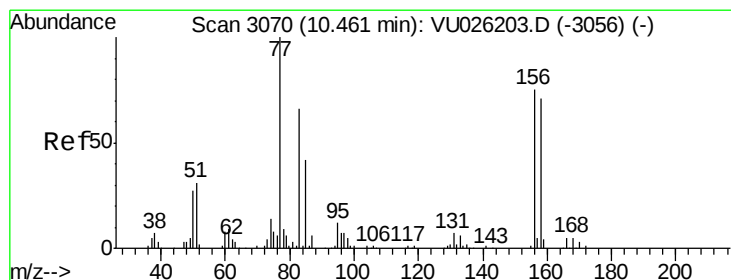
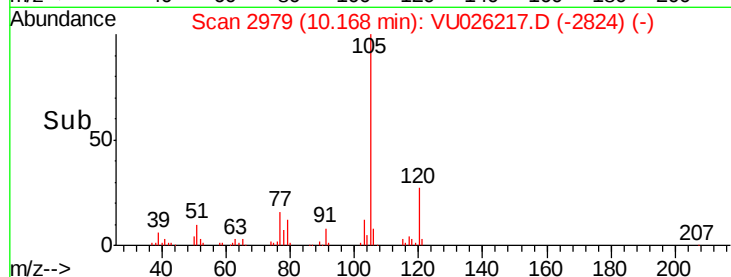
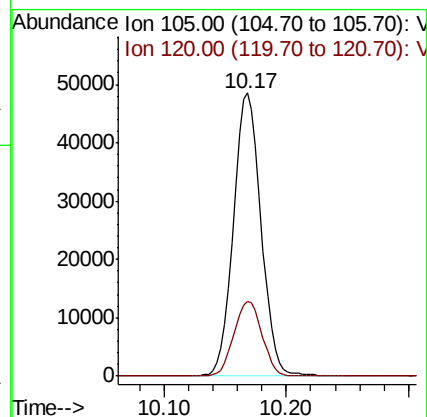
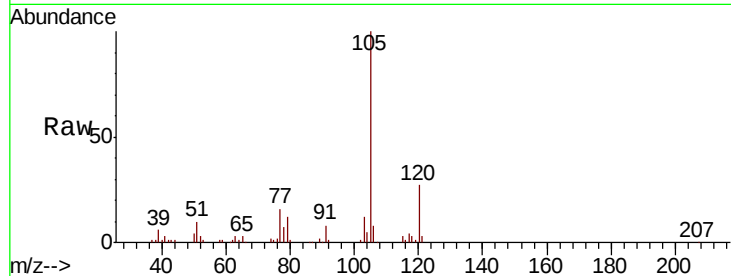
120 26.9 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.17 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

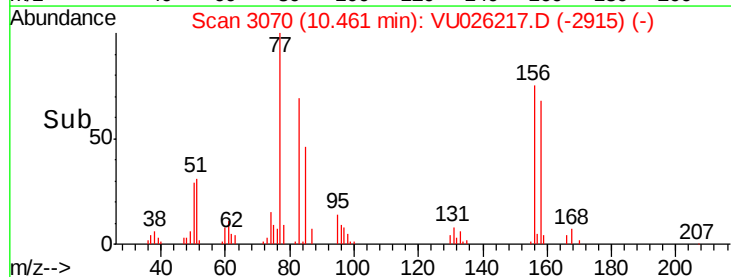
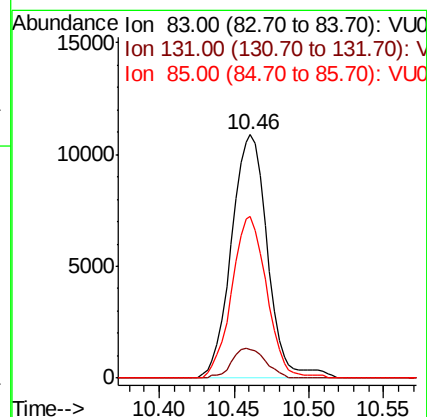
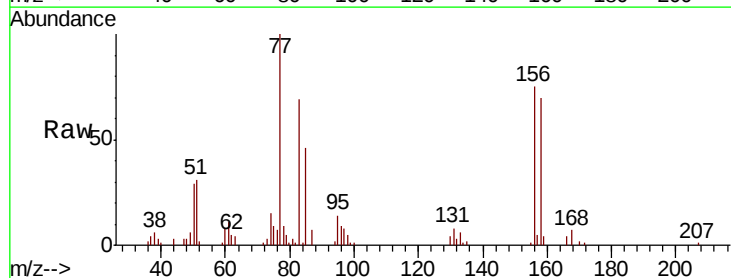
Tgt Ion: 83 Resp: 18279

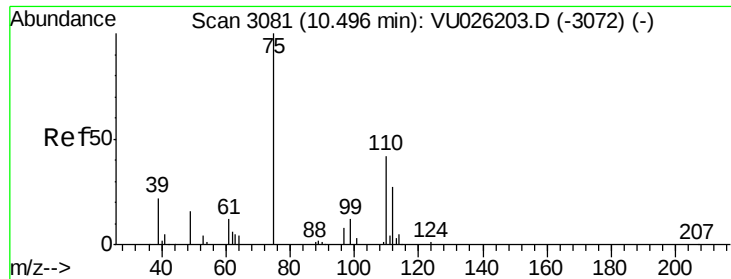
Ion Ratio Lower Upper

83 100

131 11.4 7.9 11.9

85 64.4 51.8 77.6





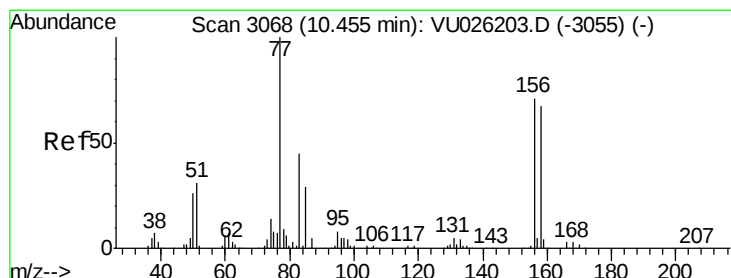
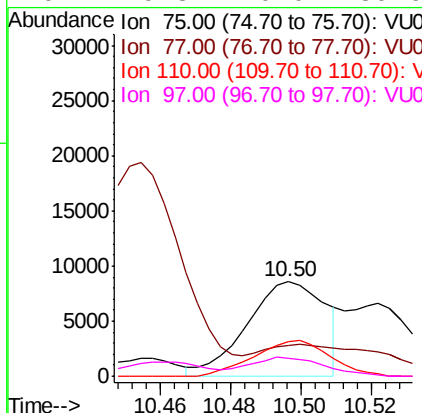
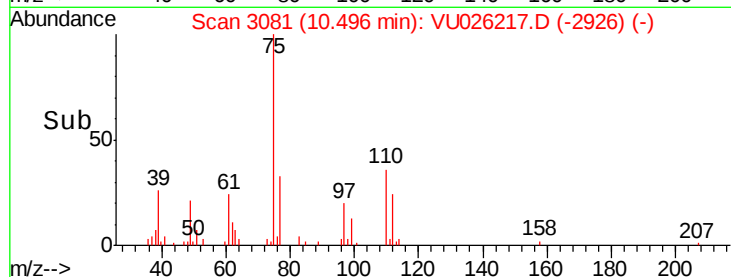
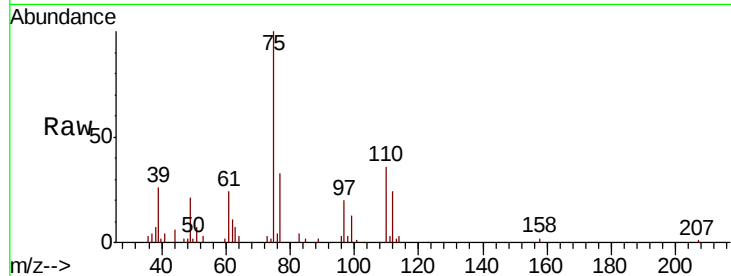
#71
 1,2,3-Trichloropropane
 Concen: 2.20 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	54.4	0.0	0.0	#
110	36.6	0.0	74.0	
97	19.8	0.0	39.6	

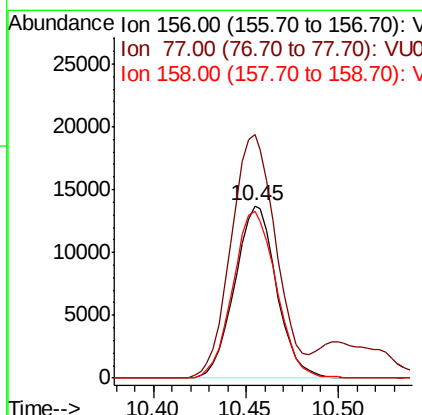
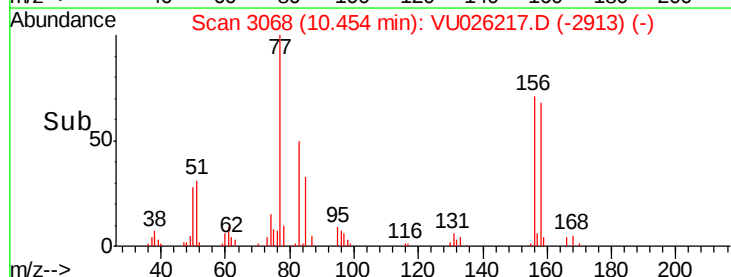
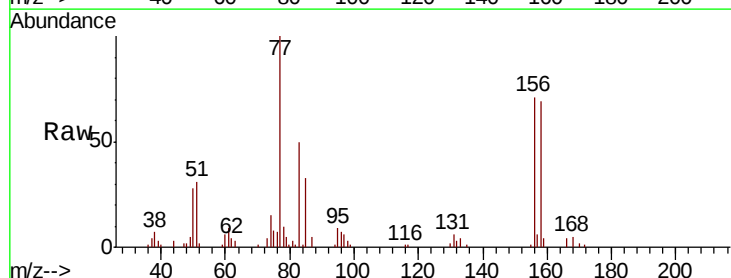
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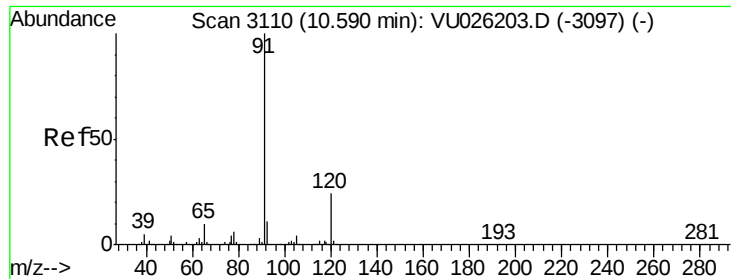
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#72
 Bromobenzene
 Concen: 2.01 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	153.1	0.0	309.8	
158	101.0	0.0	193.0	





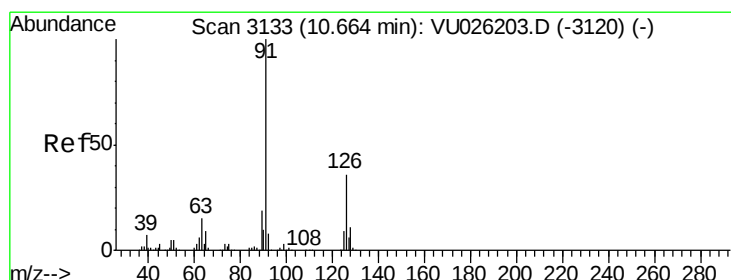
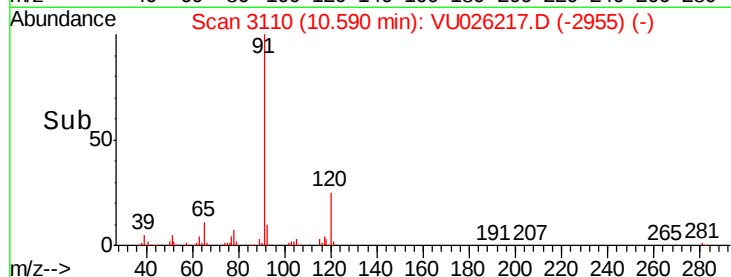
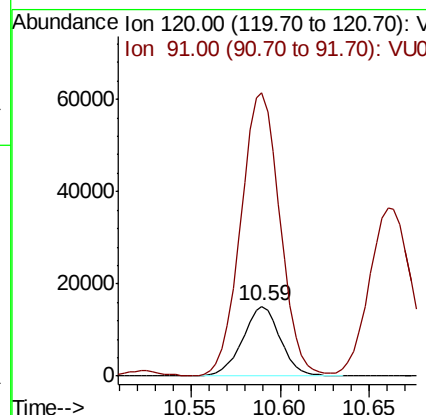
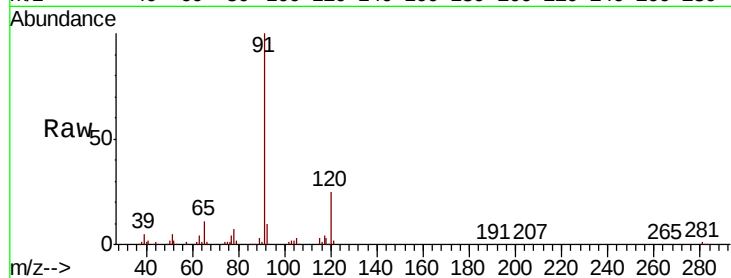
#73
n-propylbenzene
Concen: 2.00 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion:120 Resp: 22233
Ion Ratio Lower Upper
120 100
91 423.9 352.2 528.4

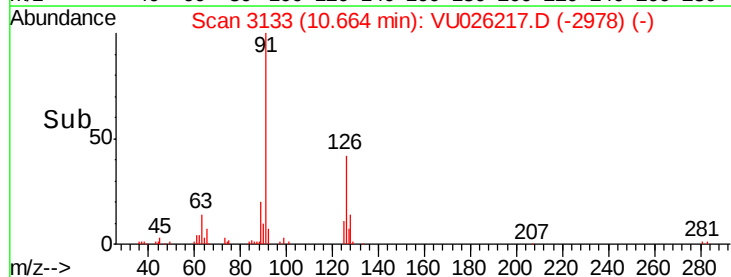
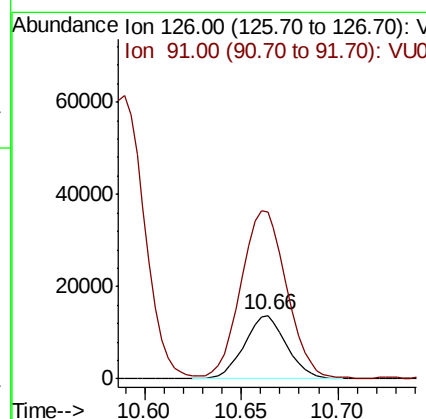
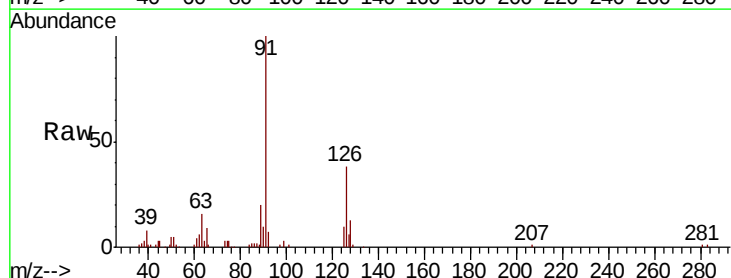
Manual Integrations
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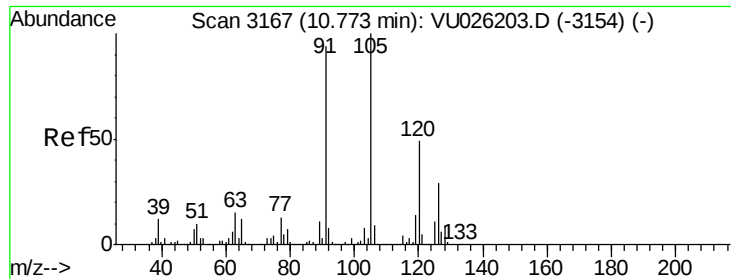
MMDadoda
8/21/2018 11:34:28 AM



#74
2-Chlorotoluene
Concen: 2.08 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion:126 Resp: 20910
Ion Ratio Lower Upper
126 100
91 284.2 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 2.04 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion:105 Resp: 68910

Ion Ratio Lower Upper

105 100

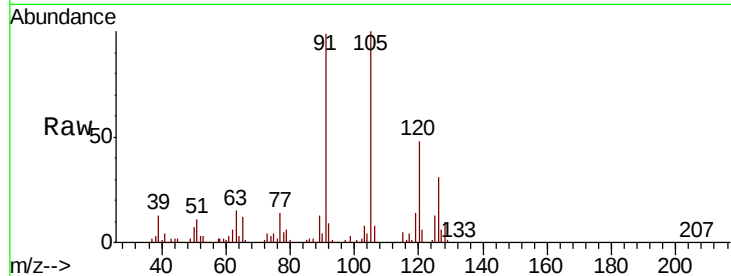
120 49.6 39.0 58.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

50000

40000

30000

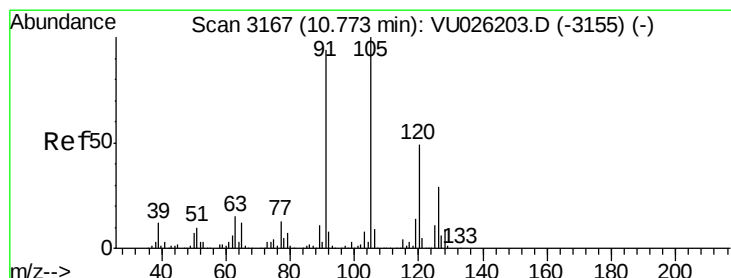
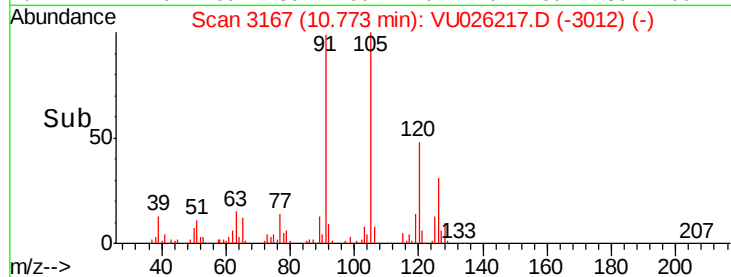
20000

10000

0

Time-->

10.70 10.75 10.80 10.85



#76

4-Chlorotoluene

Concen: 2.16 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU026217.D

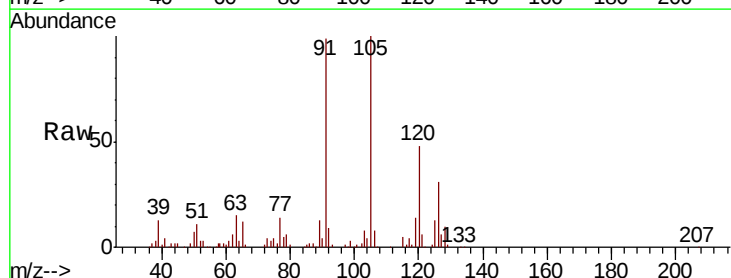
Acq: 20 Aug 2018 19:10

Tgt Ion:126 Resp: 22284

Ion Ratio Lower Upper

126 100

91 314.6 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

50000

40000

30000

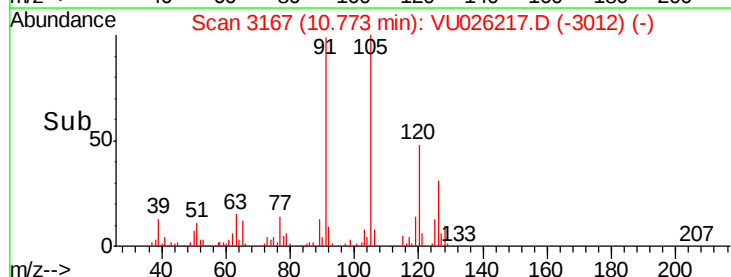
20000

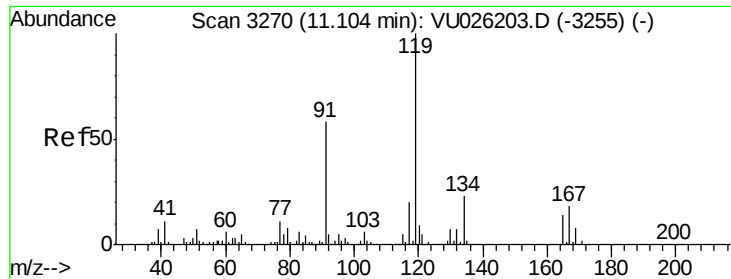
10000

0

Time-->

10.70 10.75 10.80





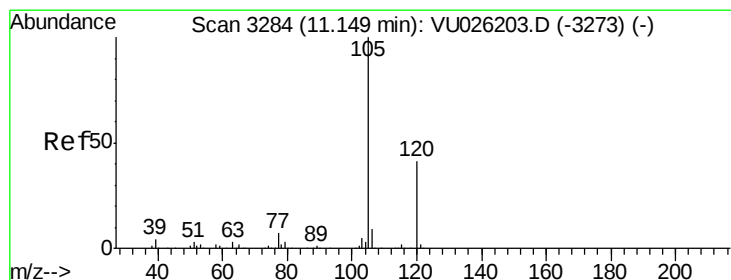
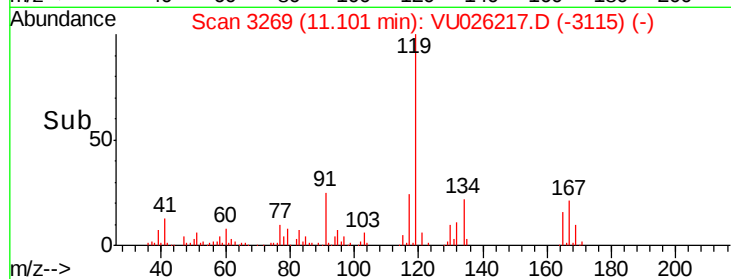
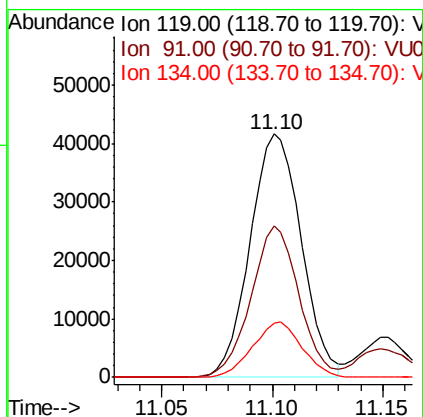
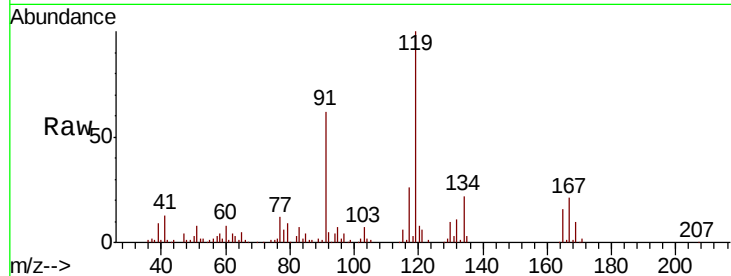
#77
 tert-Butylbenzene
 Concen: 1.99 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

Tot Ion:	119	Resp:	66843
Ion Ratio	Lower	Upper	
119	100		
91	58.4	29.6	88.8
134	21.9	19.1	28.7

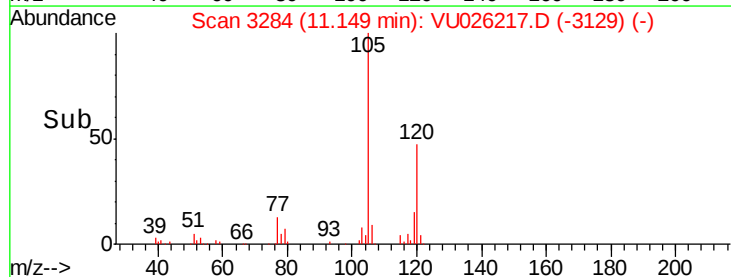
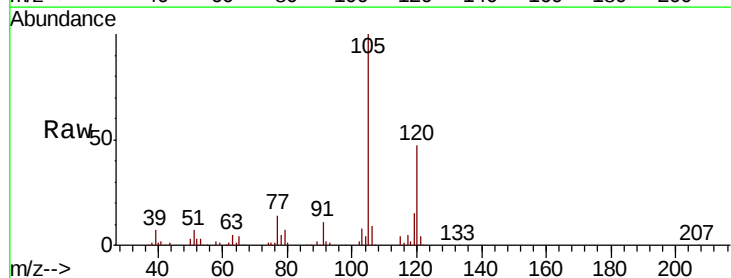
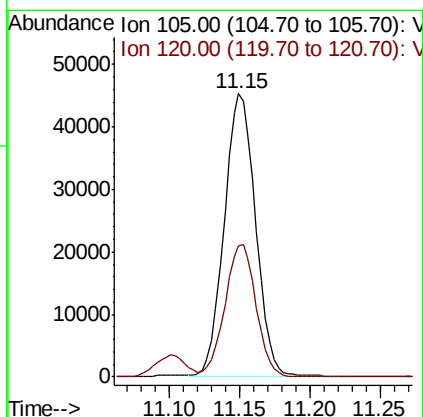
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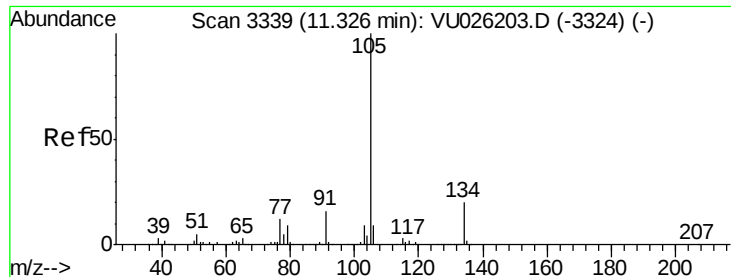
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 2.01 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion:	105	Resp:	70368
Ion Ratio	Lower	Upper	
105	100		
120	46.4	23.1	69.3





#79

sec-Butylbenzene

Concen: 2.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBSD01

Tot Ion: 105 Resp: 88578

Ion Ratio Lower Upper

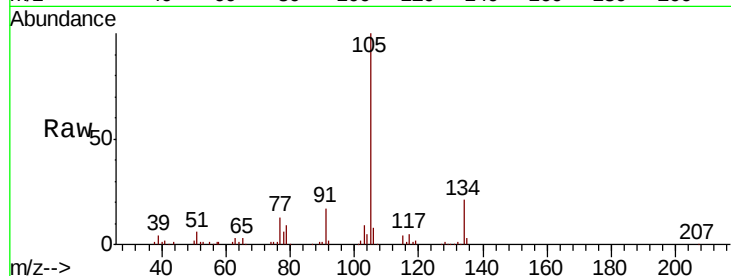
105 100

134 21.0 15.6 23.4

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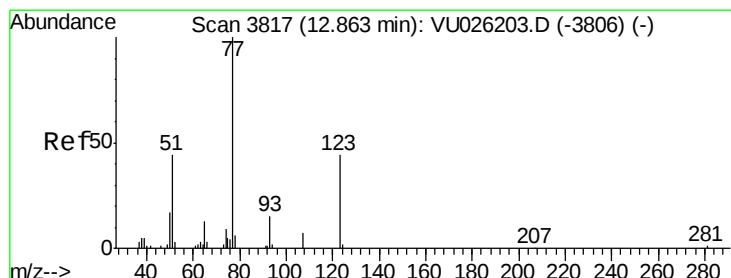
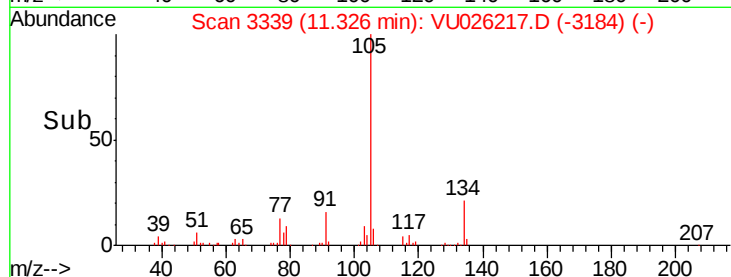
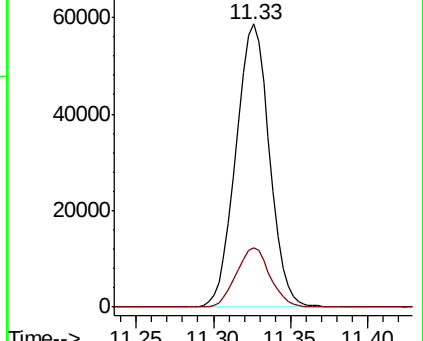
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 9.53 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

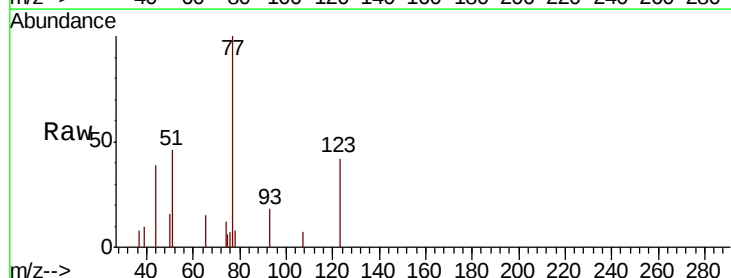
Tgt Ion: 77 Resp: 3512

Ion Ratio Lower Upper

77 100

123 42.6 19.4 68.6

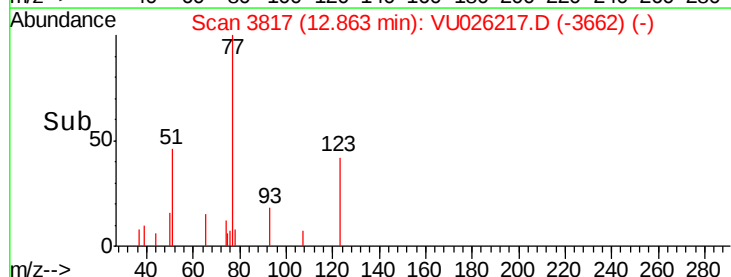
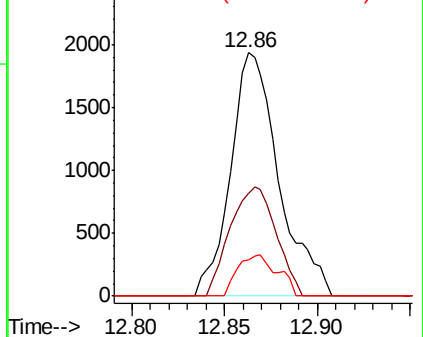
65 14.0 11.2 14.2

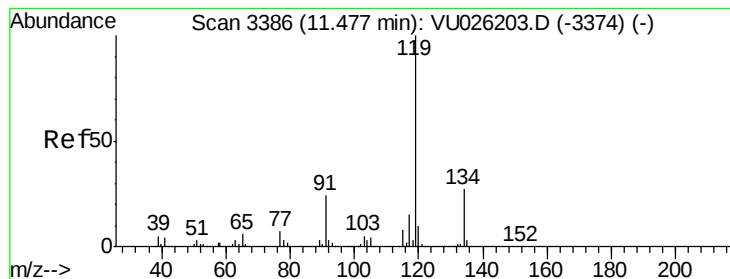


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.94 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

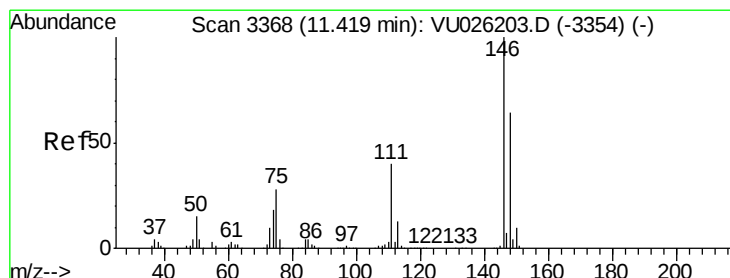
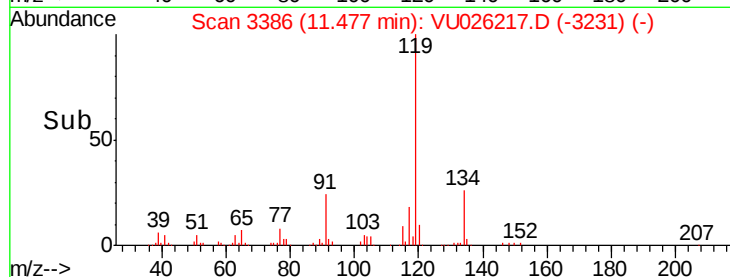
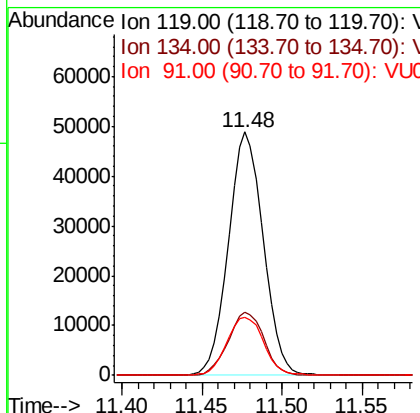
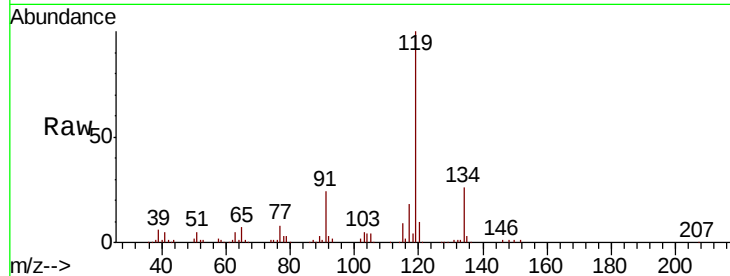
ClientSampleId :

VU0820WBSD01

Tot Ion:	119	Resp:	72425
Ion Ratio	Lower	Upper	
119	100		
134	26.7	20.9	31.3
91	25.6	18.2	27.2

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#82

1,3-Dichlorobenzene

Concen: 2.12 ug/l

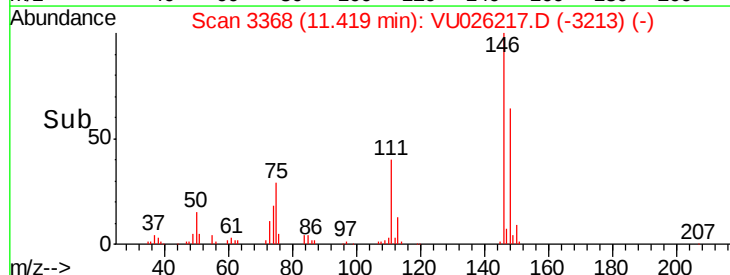
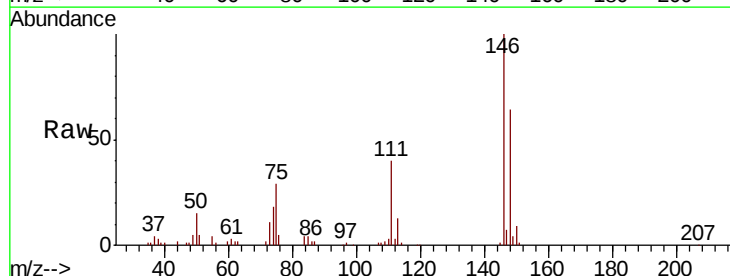
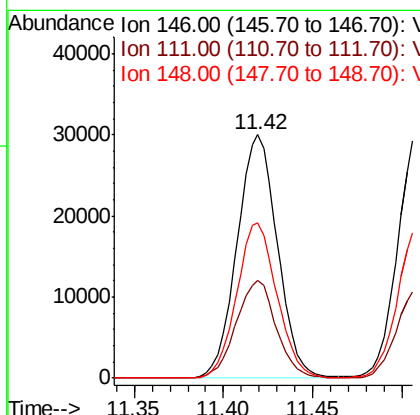
RT: 11.42 min Scan# 3368

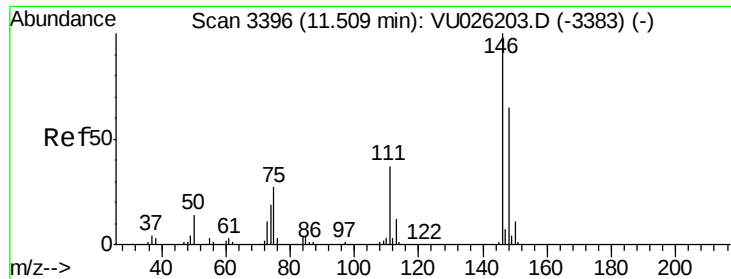
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	146	Resp:	47504
Ion Ratio	Lower	Upper	
146	100		
111	39.9	31.8	47.6
148	63.2	51.0	76.4





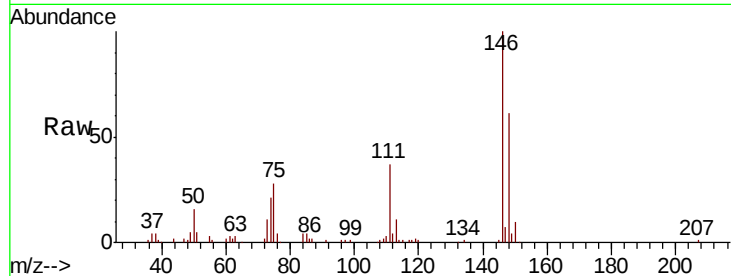
#83
 1,4-Dichlorobenzene
 Concen: 2.09 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampled :
 VU0820WBSD01

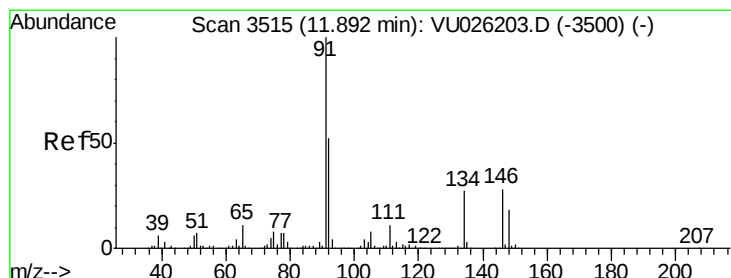
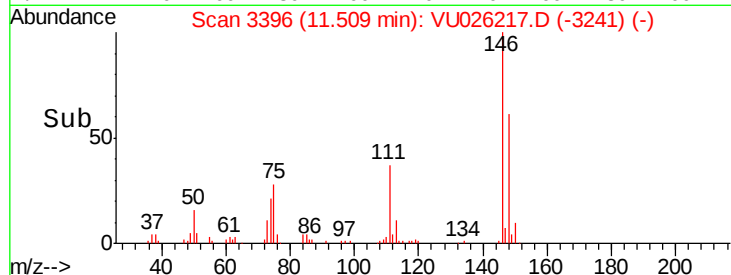
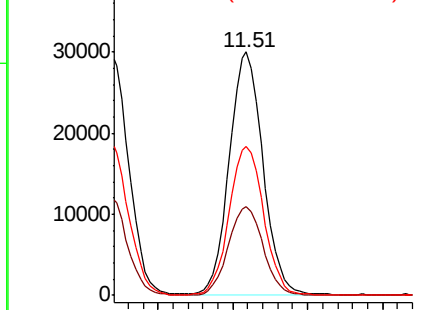
Tot Ion:	146	Resp:	46875
Ion Ratio	Lower	Upper	
146	100		
111	37.7	30.1	45.1
148	63.5	50.6	76.0

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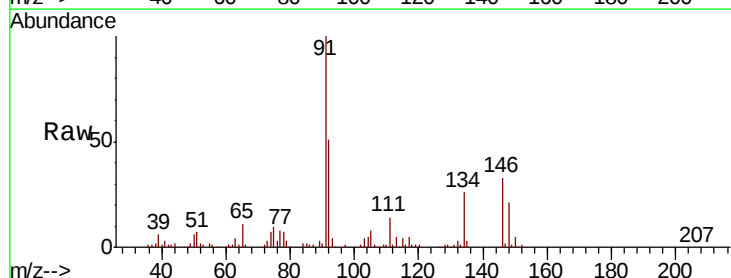


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

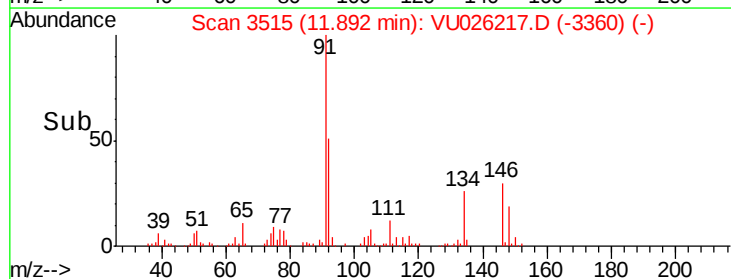
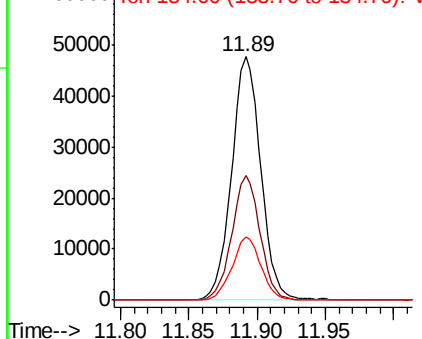


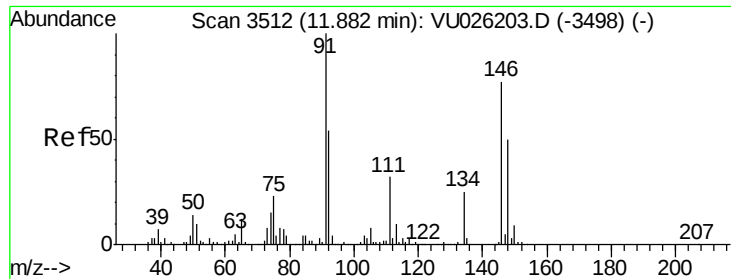
#84
 n-Butylbenzene
 Concen: 1.96 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion:	91	Resp:	70775
Ion Ratio	Lower	Upper	
91	100		
92	49.3	42.2	63.2
134	25.5	20.3	30.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 2.08 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Instrument :

MSVOA_U

ClientSampled :

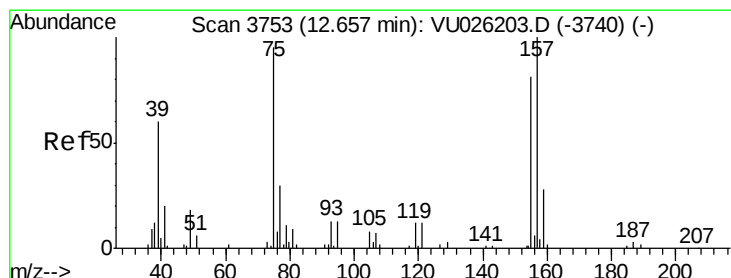
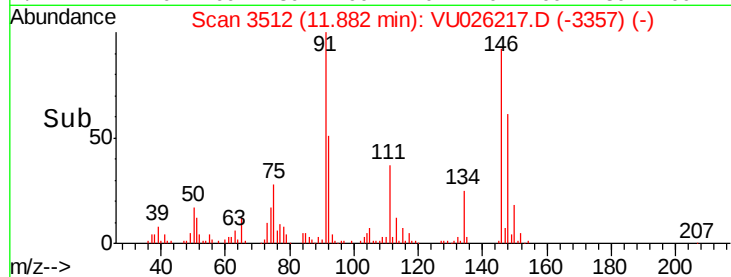
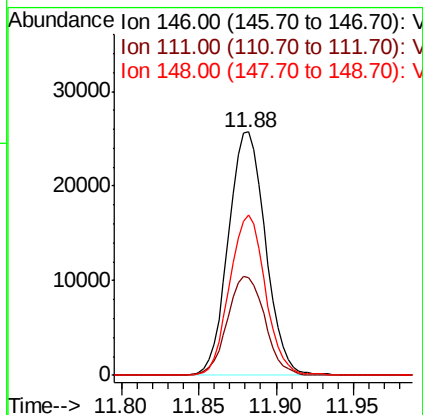
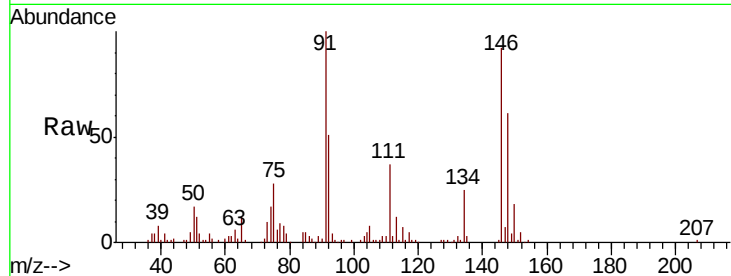
VU0820WBSD01

Tot Ion:	146	Resp:	42757
Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	63.5	31.9	95.5

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.95 ug/l

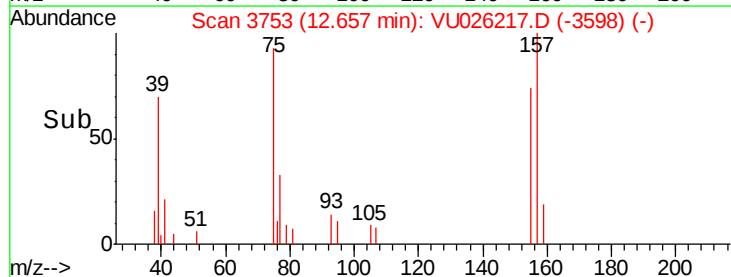
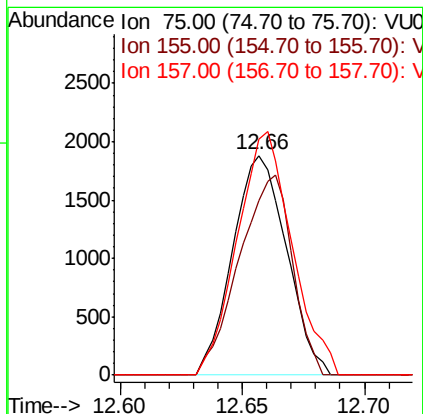
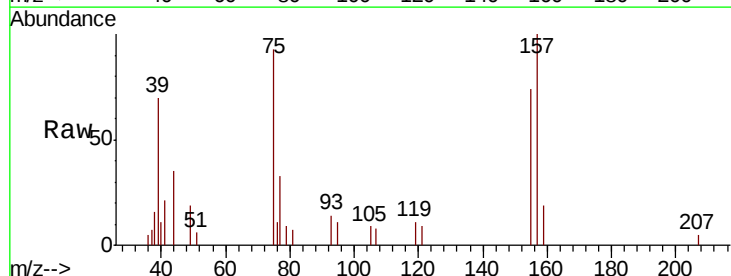
RT: 12.66 min Scan# 3753

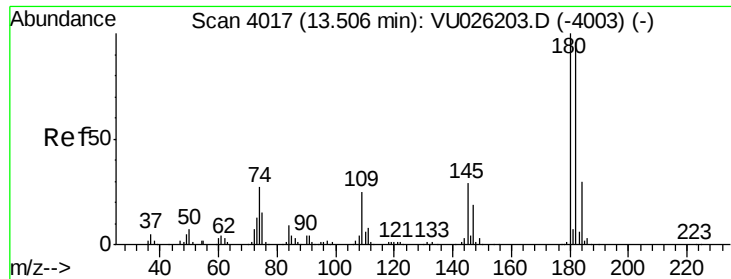
Delta R.T. -0.00 min

Lab File: VU026217.D

Acq: 20 Aug 2018 19:10

Tgt Ion:	75	Resp:	2894
Ion	Ratio	Lower	Upper
75	100		
155	89.7	65.8	98.6
157	112.1	83.5	125.3





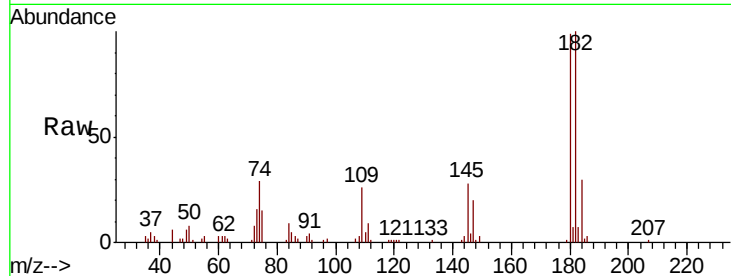
#87
 1,2,4-Trichlorobenzene
 Concen: 1.89 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBSD01

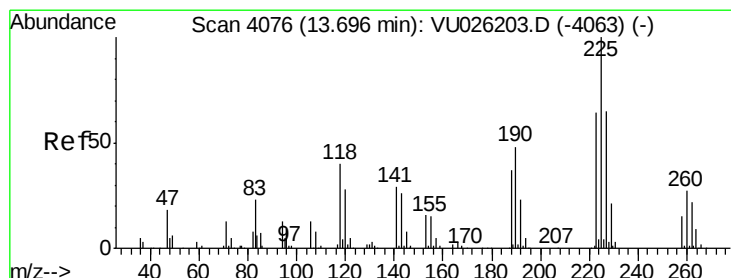
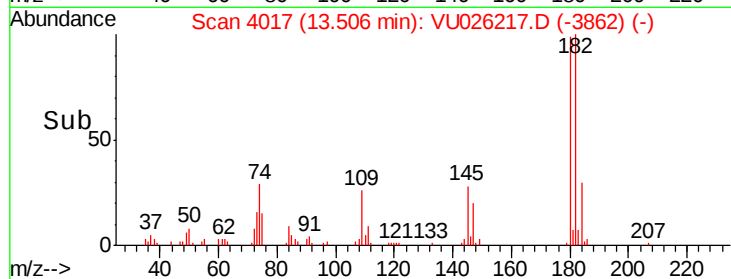
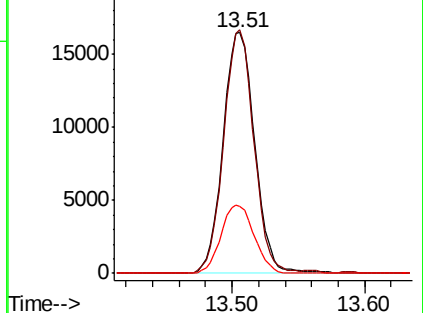
Tot Ion:	180	Resp:	27340
Ion Ratio	Lower	Upper	
180	100		
182	96.2	77.1	115.7
145	29.4	23.3	34.9

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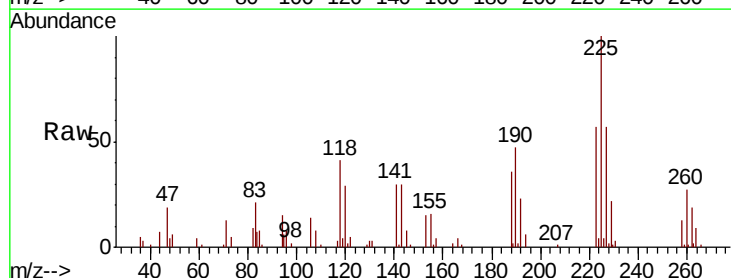


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

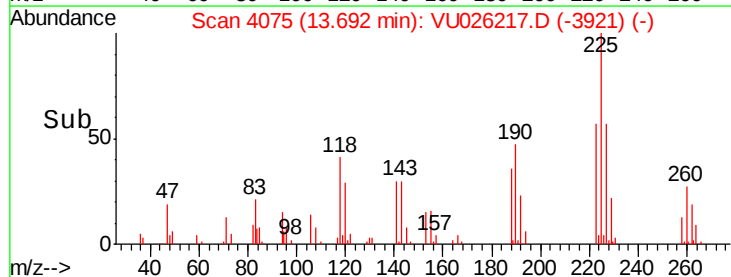
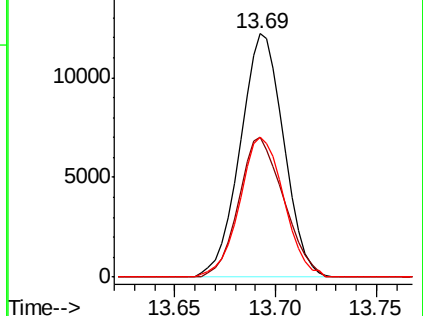


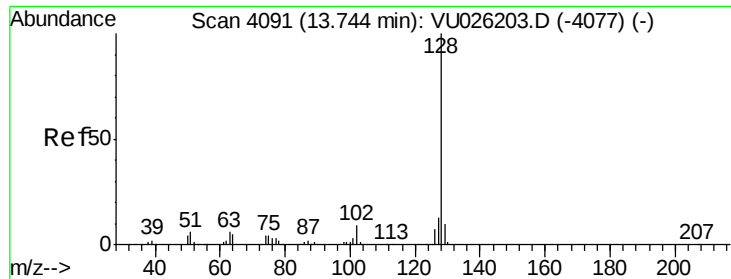
#88
 Hexachlorobutadiene
 Concen: 2.09 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026217.D
 Acq: 20 Aug 2018 19:10

Tgt Ion:	225	Resp:	18475
Ion Ratio	Lower	Upper	
225	100		
223	59.3	50.6	75.8
227	58.4	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





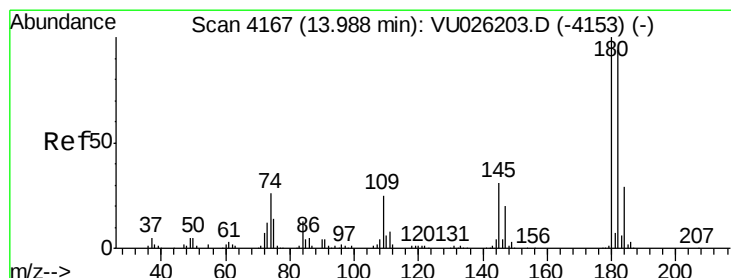
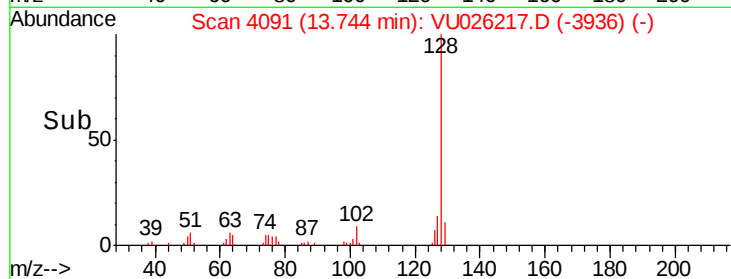
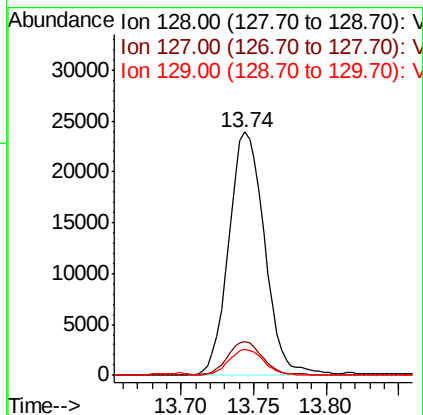
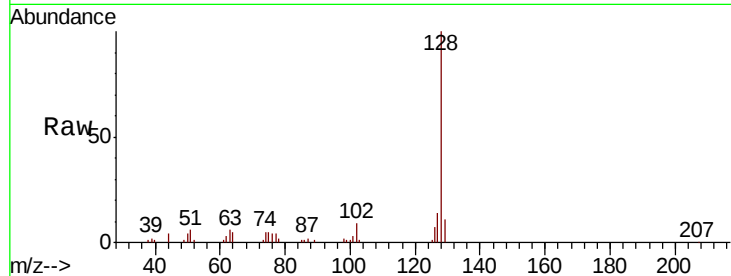
#89
Naphthalene
Concen: 1.80 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.4	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 1.98 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU026217.D
Acq: 20 Aug 2018 19:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.8	115.2
145	30.6	24.6	36.8

