

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062018\
 Data File : VU024771.D
 Acq On : 20 Jun 2018 20:46
 Operator : MD/SY
 Sample : J3529-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Manual Integrations
 APPROVED

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 6/21/2018 1:44:44 PM

Quant Time: Jun 21 08:19:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155655	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	124873	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
35) Dibromofluoromethane	4.89	113	104735	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
50) Toluene-d8	7.57	98	370027	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
62) 4-Bromofluorobenzene	10.31	95	148176	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88160	40.24	ug/l	100
3) Chloromethane	1.33	50	103758	46.35	ug/l	98
4) Vinyl Chloride	1.40	62	107025	46.36	ug/l	98
5) Bromomethane	1.62	94	58270	52.21	ug/l	99
6) Chloroethane	1.70	64	68796	53.40	ug/l	100
7) Trichlorofluoromethane	1.89	101	164662	46.74	ug/l	100
8) Diethyl Ether	2.10	74	64653	54.08	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89542	40.97	ug/l	95
10) Methyl Iodide	2.41	142	94872	51.15	ug/l	98
11) Tert butyl alcohol	2.82	59	176366	253.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88779	44.54	ug/l	92
13) Acrolein	2.19	56	37362	102.37	ug/l	97
14) Allyl chloride	2.59	41	149504	40.40	ug/l	94
15) Acrylonitrile	2.93	53	259805	192.13	ug/l	99
16) Acetone	2.32	43	454979	296.32	ug/l	99
17) Carbon Disulfide	2.48	76	269077	42.16	ug/l	99
18) Methyl Acetate	2.62	43	179457	54.52	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	377973	50.45	ug/l	97
20) Methylene Chloride	2.70	84	106187	44.08	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	95968	43.72	ug/l	94
22) Diisopropyl ether	3.57	45	344009	46.89	ug/l	98
23) Vinyl Acetate	3.53	43	1515238	230.57	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192583	45.63	ug/l	99
25) 2-Butanone	4.26	43	536434	260.10	ug/l	98
26) 2,2-Dichloropropane	4.23	77	156258	38.99	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115620	45.81	ug/l	96
28) Bromochloromethane	4.55	49	89152	47.96	ug/l	88
29) Tetrahydrofuran	4.63	42	342961	268.52	ug/l	97
30) Chloroform	4.68	83	198529	46.48	ug/l	100
31) Cyclohexane	5.00	56	165129	43.82	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	177051	44.82	ug/l	96
36) 1,1-Dichloropropene	5.14	75	137531	42.88	ug/l	98
37) Ethyl Acetate	4.38	43	187367	53.60	ug/l	97
38) Carbon Tetrachloride	5.14	117	159190	45.14	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	161367	40.32	ug/l	95
40) Benzene	5.39	78	518481	56.74	ug/l	100
41) Methacrylonitrile	4.54	41	91624	48.62	ug/l	97
42) 1,2-Dichloroethane	5.41	62	167946	48.25	ug/l	100
43) Isopropyl Acetate	5.55	43	302931	50.14	ug/l	99
44) Trichloroethene	6.19	130	114471	44.01	ug/l	92
45) 1,2-Dichloropropane	6.44	63	116474	47.77	ug/l	98
46) Dibromomethane	6.56	93	82310	48.06	ug/l	95
47) Bromodichloromethane	6.76	83	159414	46.74	ug/l	98
48) Methyl methacrylate	6.62	41	120592	40.99	ug/l	98
49) 1,4-Dioxane	6.61	88	64552	1121.93	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1045630	275.46	ug/l	98
52) Toluene	7.64	92	277017	47.12	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	171104	44.67	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	180063	44.12	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	114773	48.03	ug/l	99
56) Ethyl methacrylate	8.02	69	171436	42.86	ug/l	97
57) 1,3-Dichloropropane	8.25	76	198793	49.31	ug/l	100
59) 2-Hexanone	8.36	43	830761	268.07	ug/l	99
60) Dibromochloromethane	8.48	129	138311	46.41	ug/l	100
61) 1,2-Dibromoethane	8.59	107	130852	49.19	ug/l	99
64) Tetrachloroethene	8.23	164	97941	39.10	ug/l	99
65) Chlorobenzene	9.12	112	311644	46.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	119870	46.86	ug/l	97
67) Ethyl Benzene	9.25	91	539356	45.70	ug/l	98
68) m/p-Xylenes	9.38	106	417015	92.01	ug/l	97
69) o-Xylene	9.78	106	213284	47.55	ug/l	95
70) Styrene	9.80	104	319491	43.34	ug/l	99
71) Bromoform	9.96	173	111298	45.78	ug/l #	99
73) Isopropylbenzene	10.17	105	553974	46.36	ug/l	99
74) N-amyl acetate	10.01	43	290622	51.13	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205707	51.37	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	173151m	50.53	ug/l	
77) Bromobenzene	10.45	156	143399	47.40	ug/l	96
78) n-propylbenzene	10.59	91	626132	44.48	ug/l	96
79) 2-Chlorotoluene	10.66	91	375436	45.22	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	479140	46.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	59454m	40.15	ug/l	
82) 4-Chlorotoluene	10.78	91	439671	45.50	ug/l	98
83) tert-Butylbenzene	11.10	119	476373	47.81	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	501984	47.56	ug/l	100
85) sec-Butylbenzene	11.33	105	570059	45.71	ug/l	98
86) p-Isopropyltoluene	11.48	119	514978	46.10	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	259655	46.45	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	261795	46.53	ug/l	99
89) n-Butylbenzene	11.89	91	437548	44.12	ug/l	97
90) Hexachloroethane	12.15	117	93109	42.73	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	266623	47.62	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58412	52.86	ug/l	91
93) 1,2,4-Trichlorobenzene	13.51	180	178550	51.64	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	89367	45.92	ug/l	99
95) Naphthalene	13.74	128	677931	59.11	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	188835	54.81	ug/l	100

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

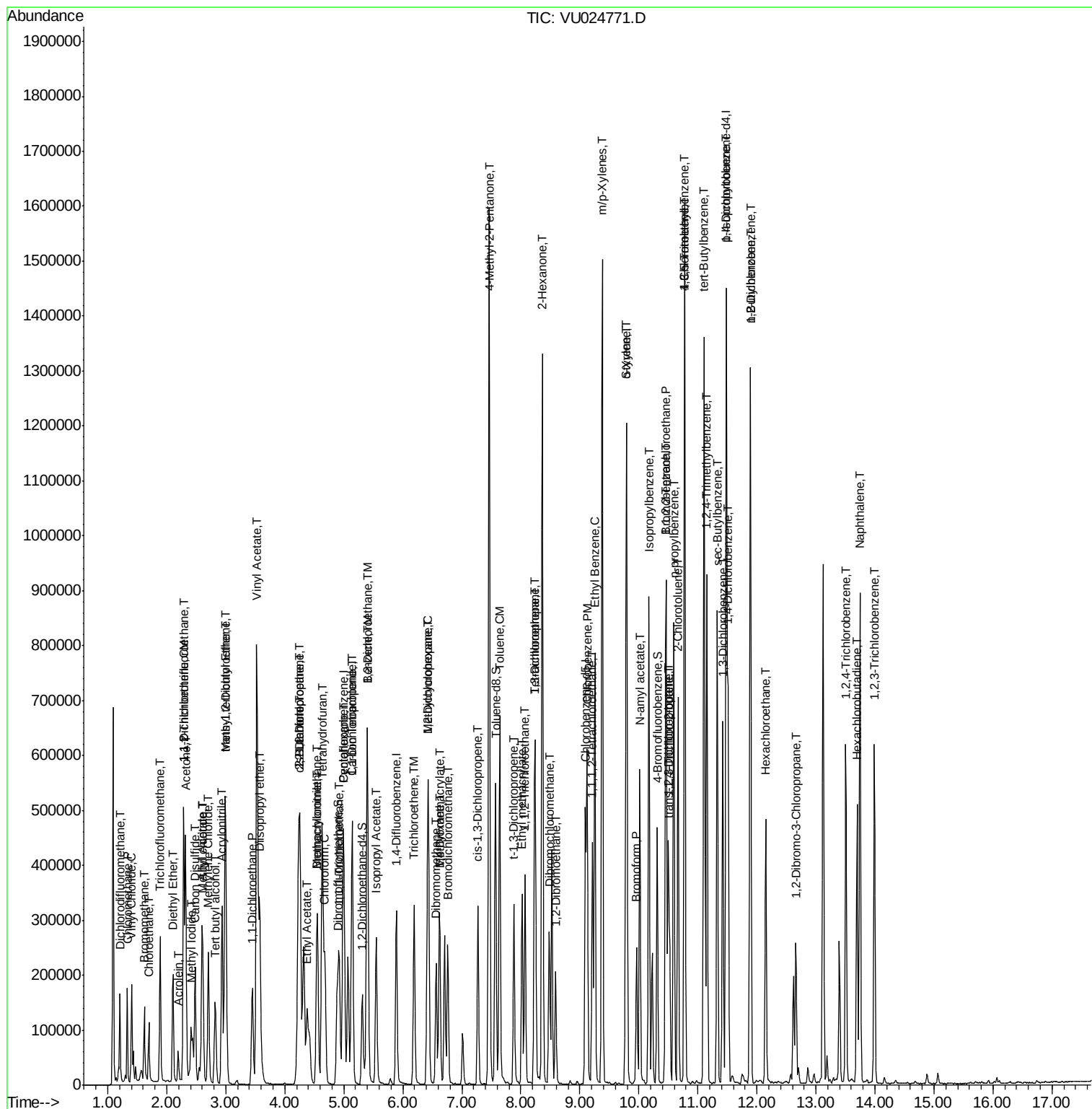
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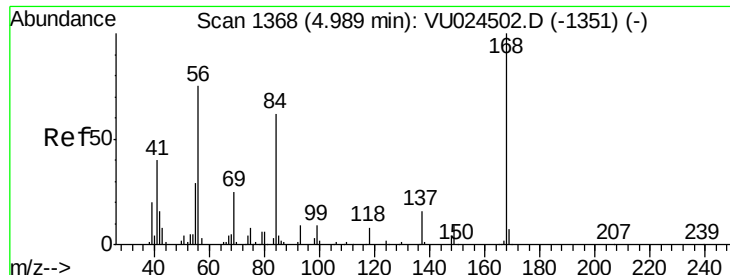
Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

Tot Ion:168 Resp: 175049

Ion Ratio Lower Upper

168 100

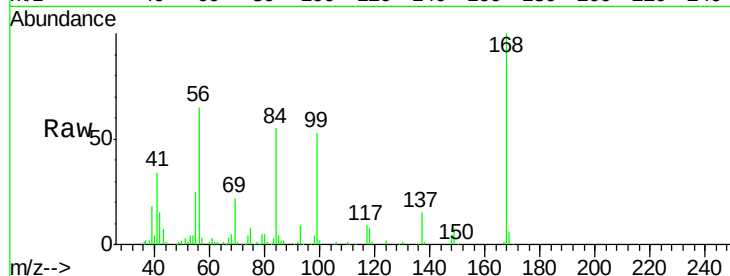
99 52.2 43.2 64.8

Manual Integrations

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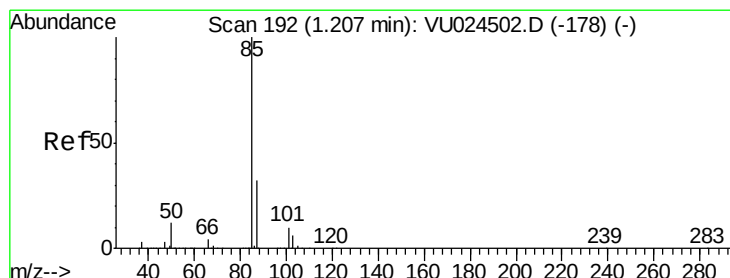
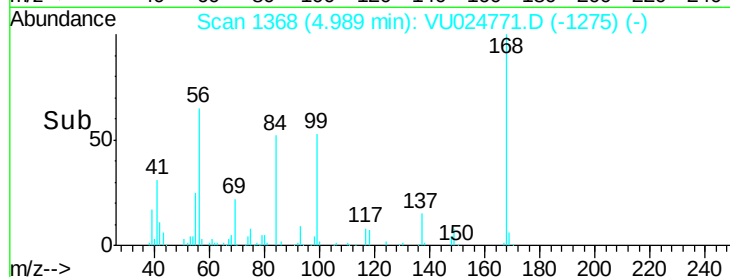
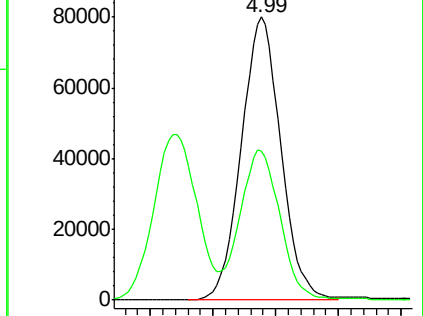
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.24 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024771.D

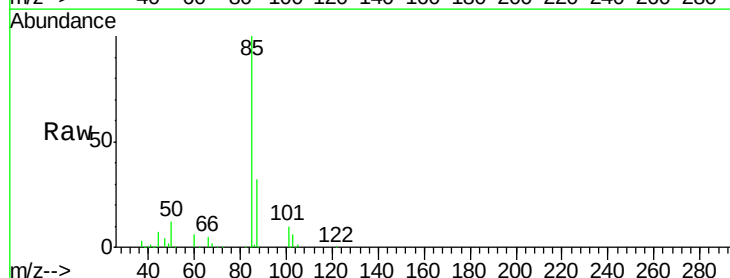
Acq: 20 Jun 2018 20:46

Tgt Ion: 85 Resp: 88160

Ion Ratio Lower Upper

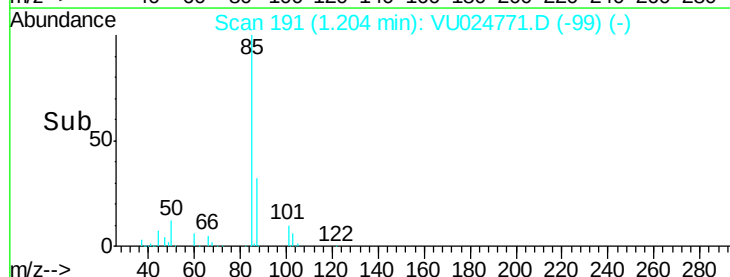
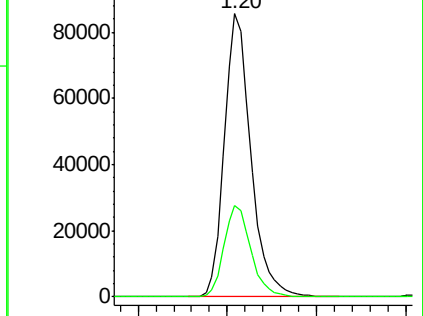
85 100

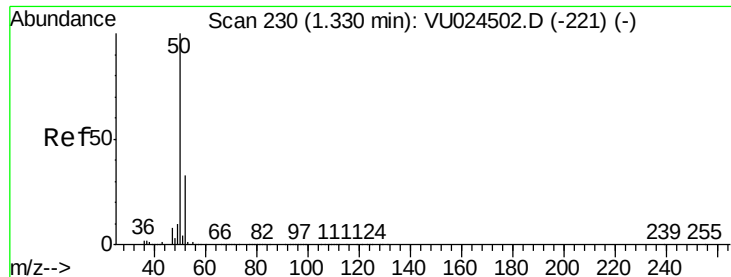
87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 46.35 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

TPTW-04MS

Tot Ion: 50 Resp: 103758

Ion Ratio Lower Upper

50 100

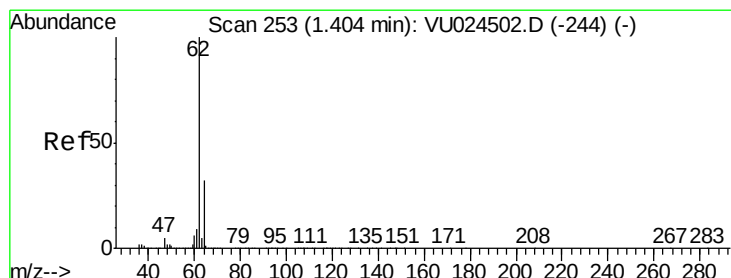
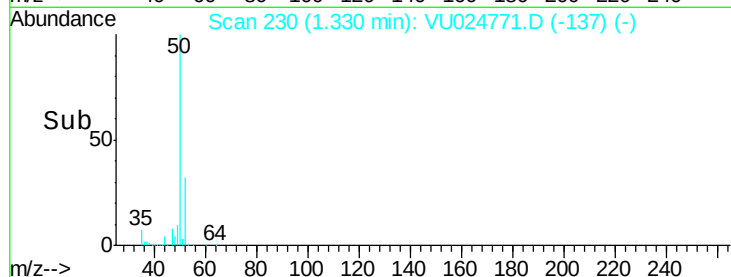
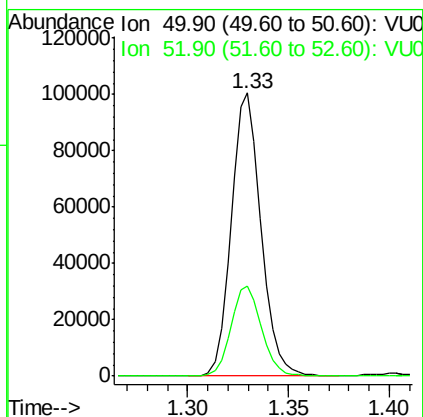
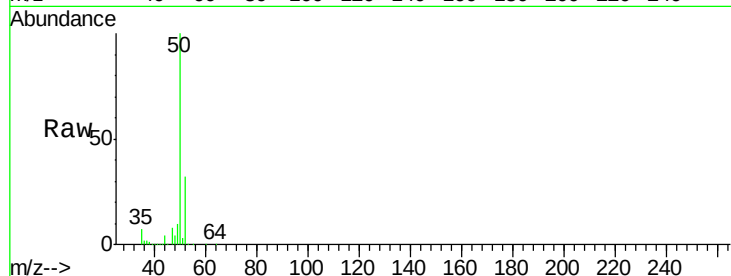
52 31.9 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.36 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024771.D

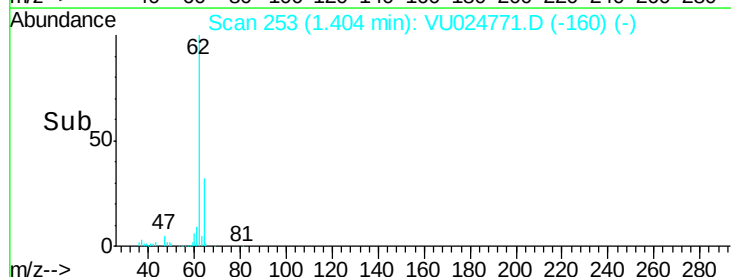
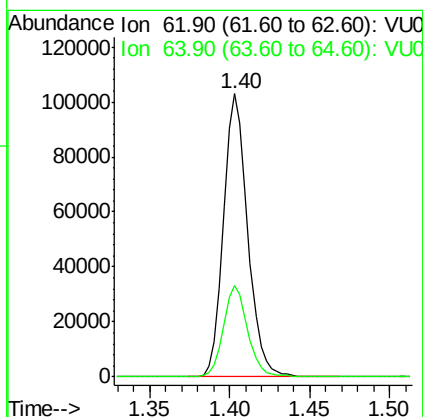
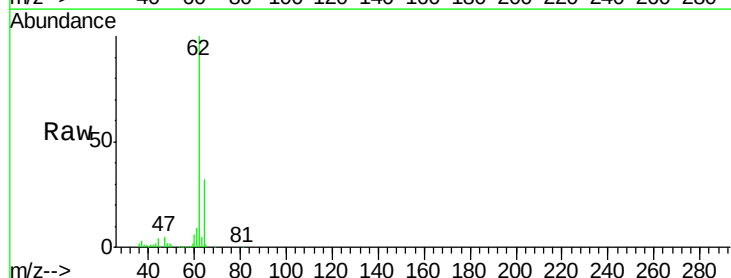
Acq: 20 Jun 2018 20:46

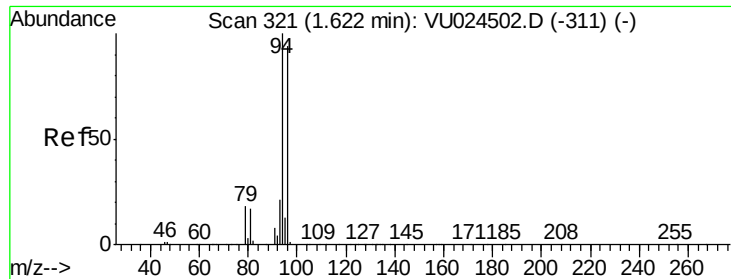
Tgt Ion: 62 Resp: 107025

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 52.21 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

TPTW-04MS

Tot Ion: 94 Resp: 58270

Ion Ratio Lower Upper

94 100

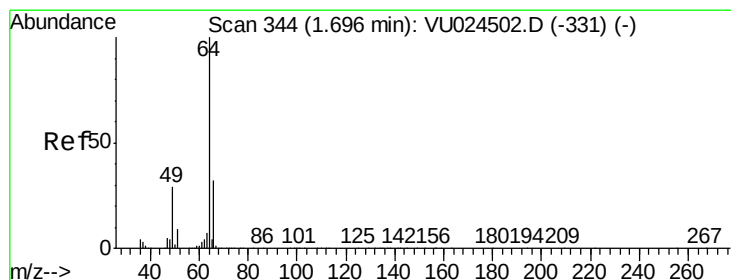
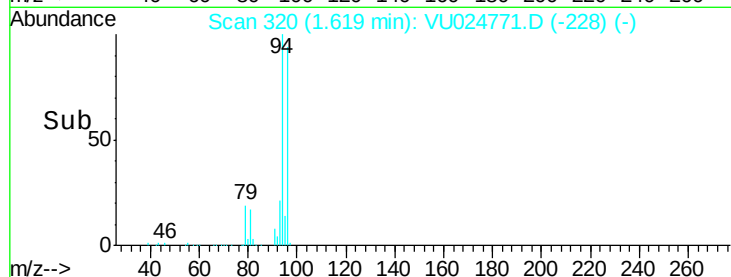
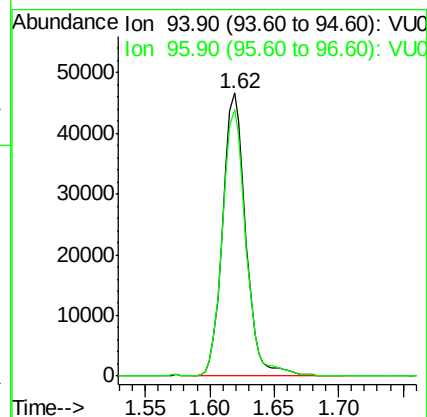
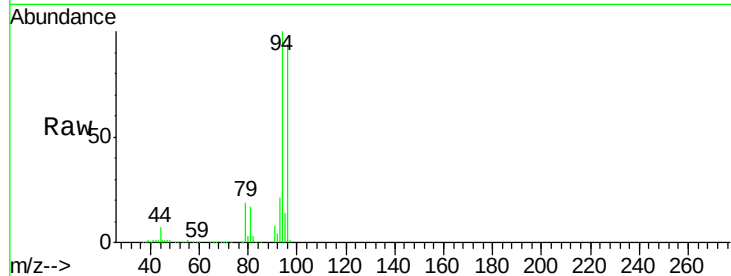
96 93.8 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 53.40 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024771.D

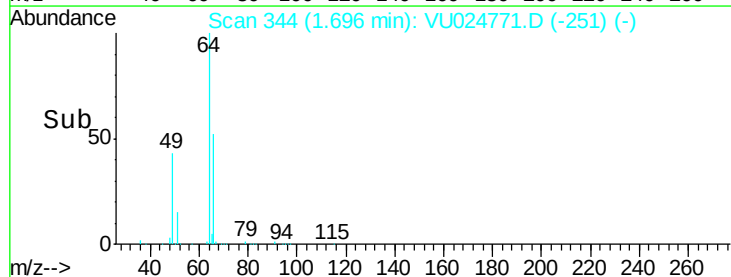
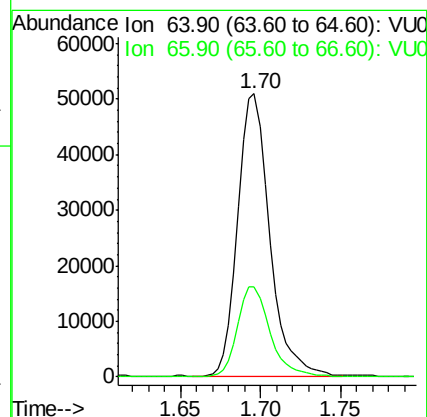
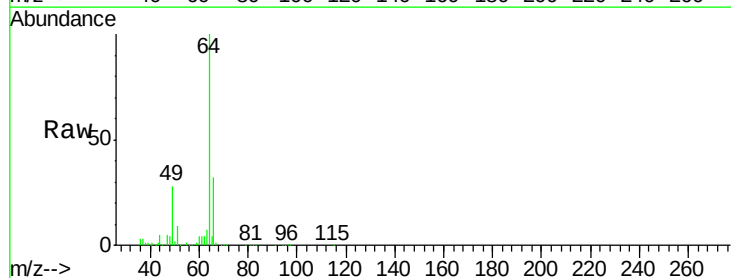
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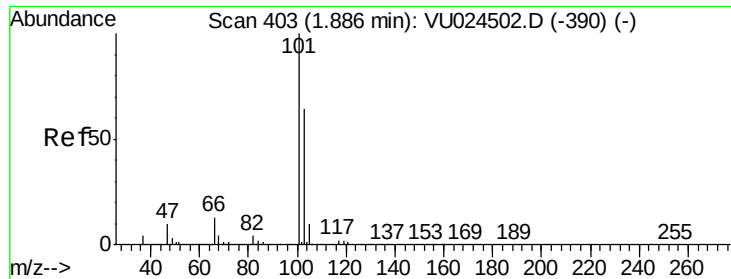
Tgt Ion: 64 Resp: 68796

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

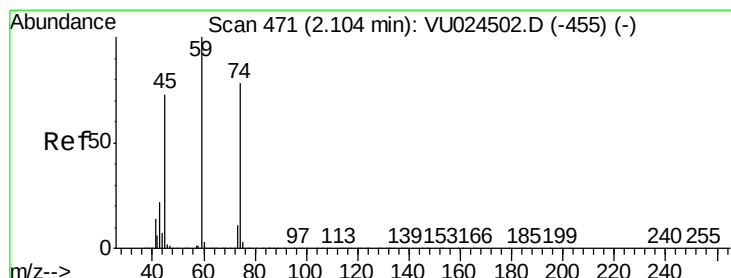
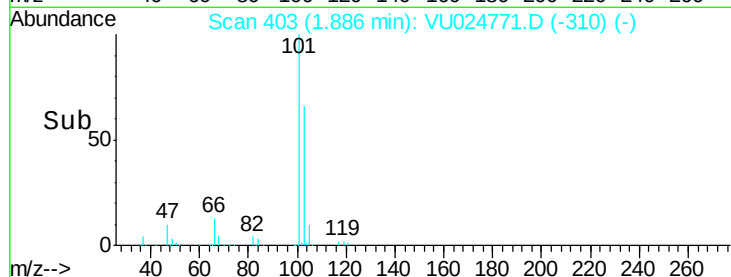
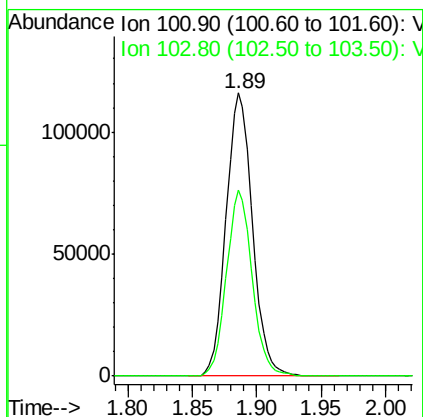
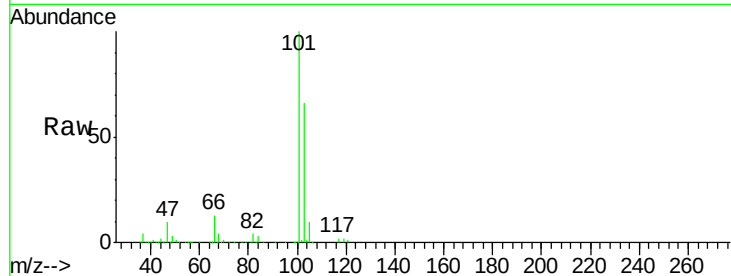
Trichlorofluoromethane
Concen: 46.74 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

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ClientSampled :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

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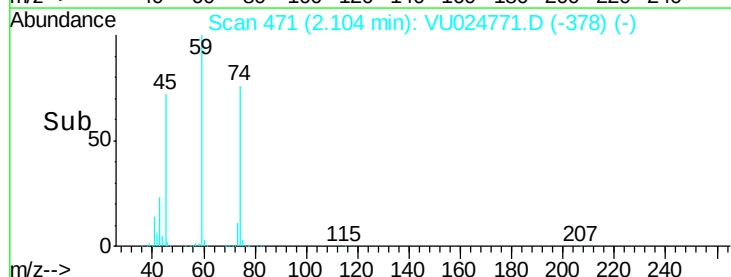
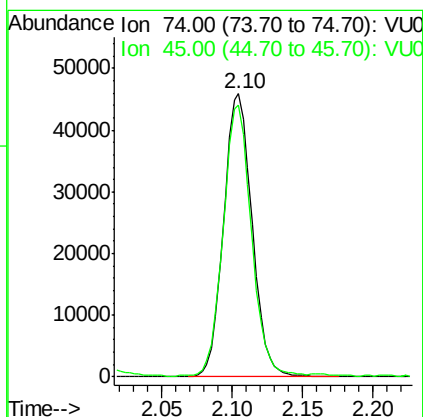
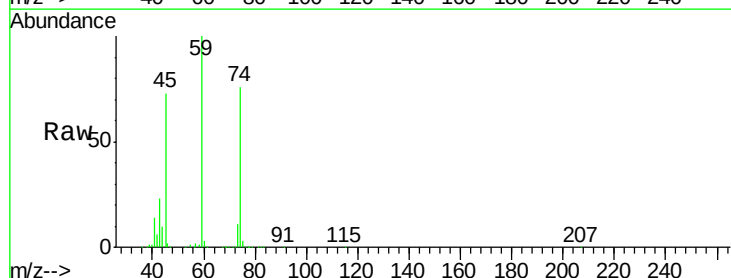
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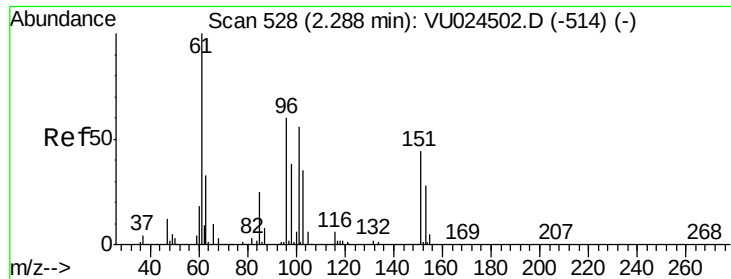


#8

Diethyl Ether
Concen: 54.08 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.97 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

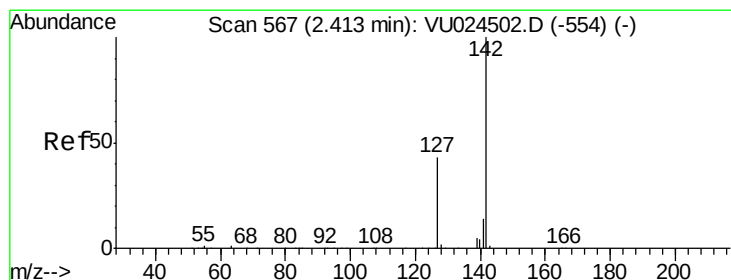
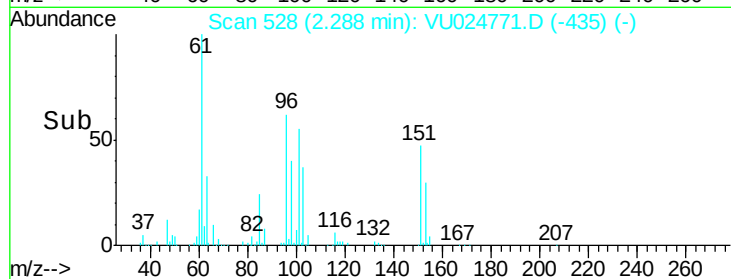
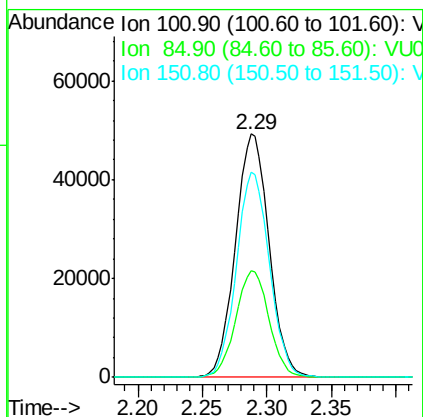
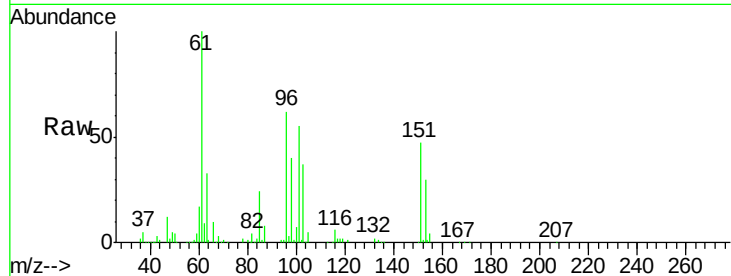
ClientSampleId :

TPTW-04MS

Tot Ion:	101	Resp:	89542
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.0	54.0
151	82.9	62.3	93.5

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#10

Methyl Iodide

Concen: 51.15 ug/l

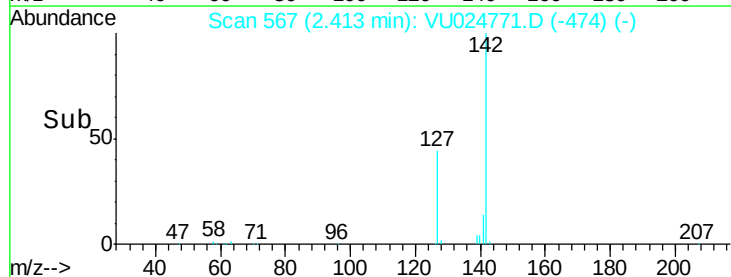
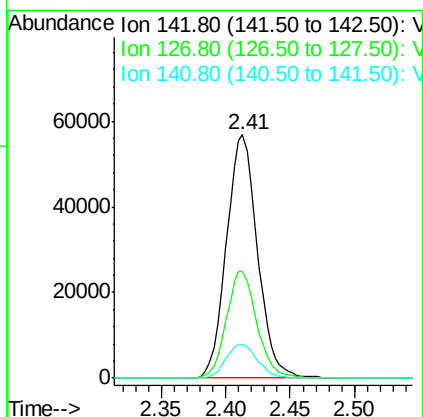
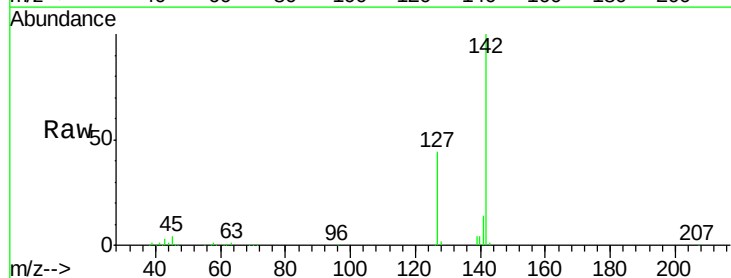
RT: 2.41 min Scan# 567

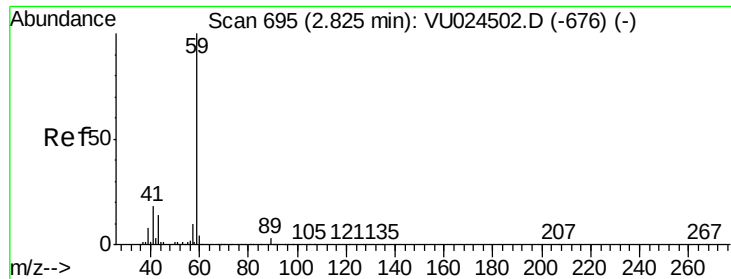
Delta R.T. 0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	142	Resp:	94872
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.6	53.4
141	14.1	11.7	17.5





#11

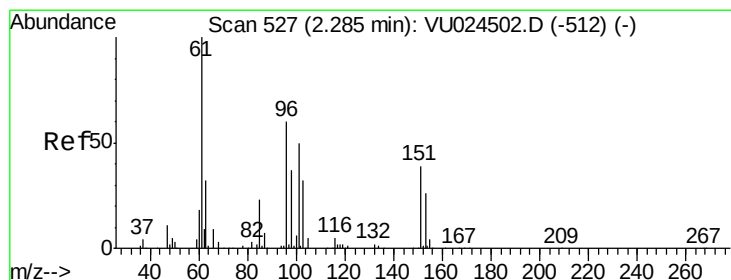
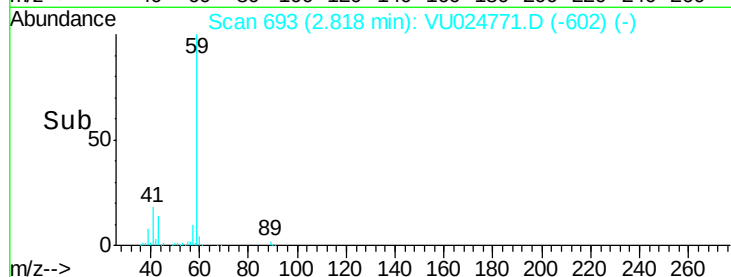
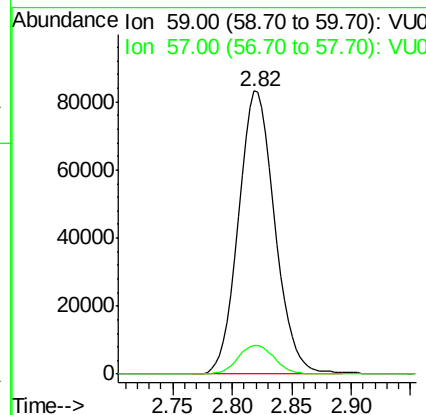
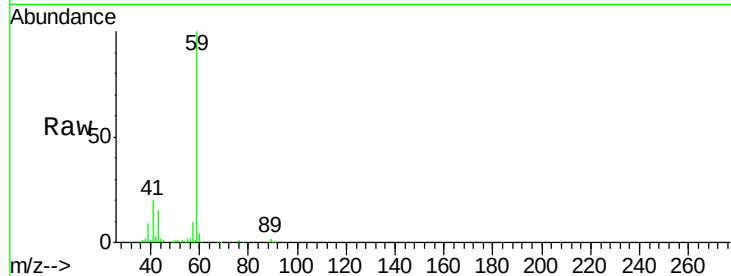
Tert butyl alcohol
 Concen: 253.76 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

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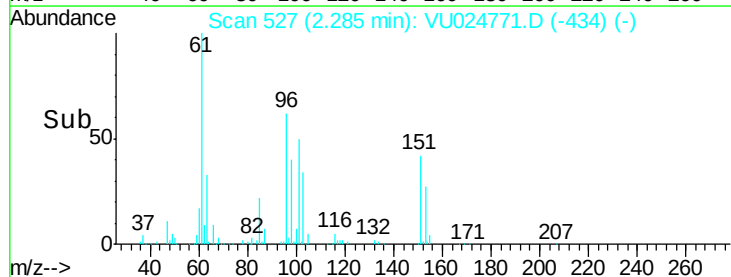
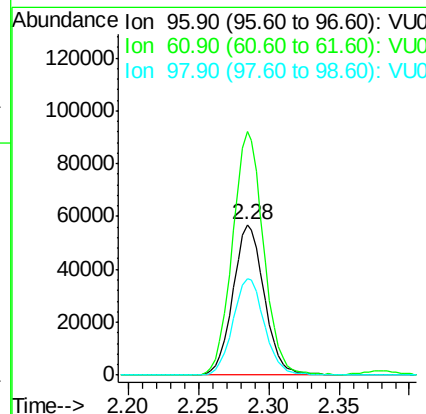
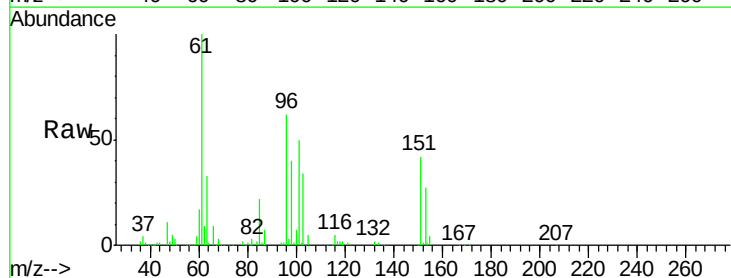
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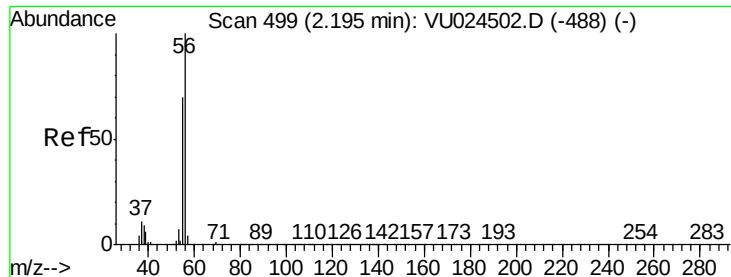


#12

1,1-Dichloroethene
 Concen: 44.54 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	141.7	212.5
98	64.3	51.6	77.4





#13

Acrolein

Concen: 102.37 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

Tot Ion: 56 Resp: 37362

Ion Ratio Lower Upper

56 100

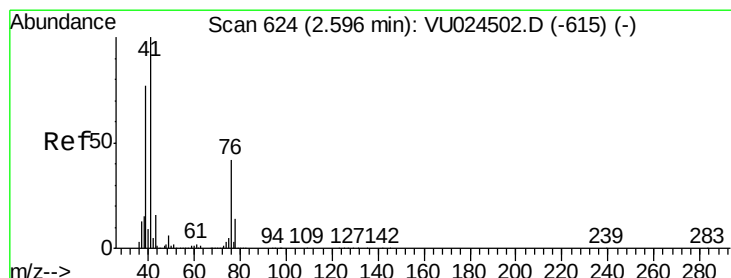
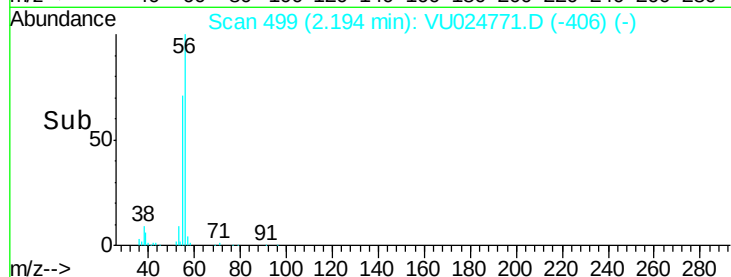
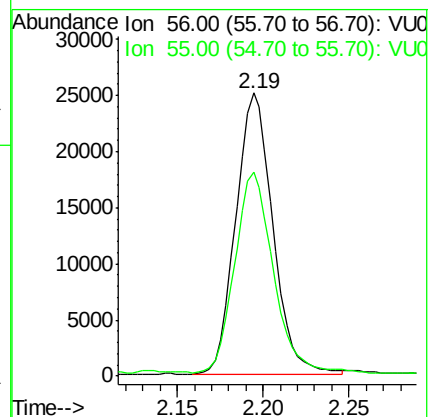
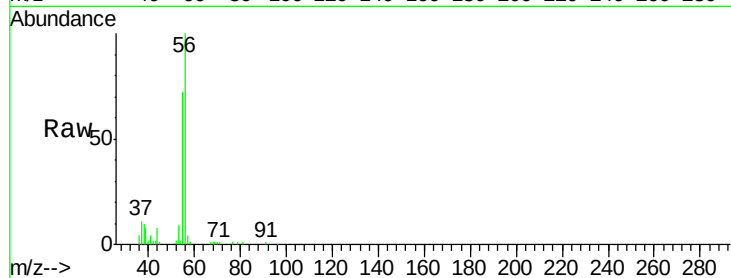
55 75.5 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 40.40 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

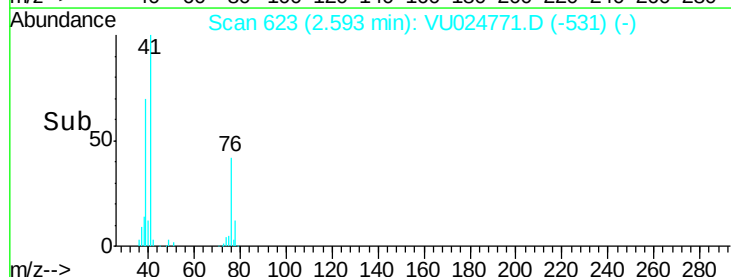
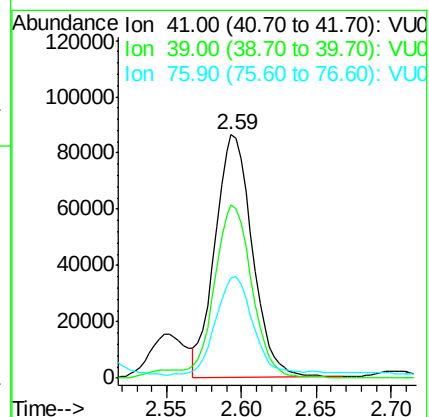
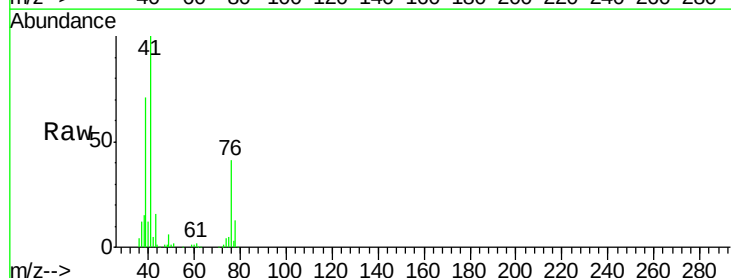
Tgt Ion: 41 Resp: 149504

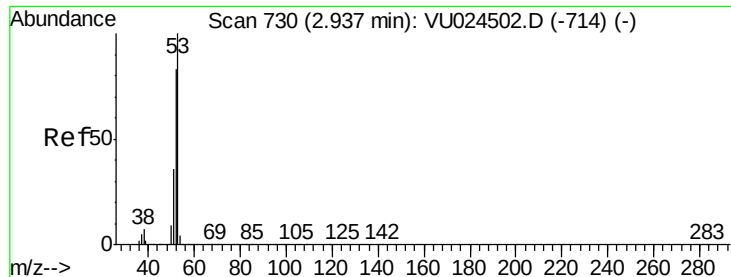
Ion Ratio Lower Upper

41 100

39 71.0 61.6 92.4

76 40.0 29.7 44.5





#15

Acrylonitrile

Concen: 192.13 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

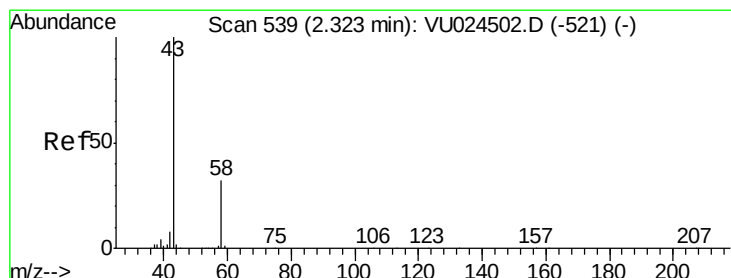
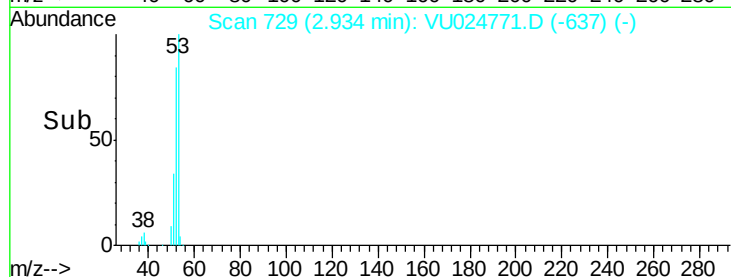
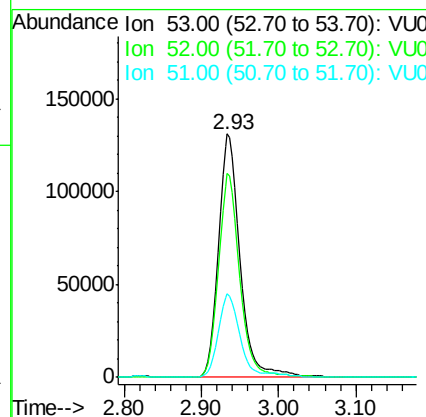
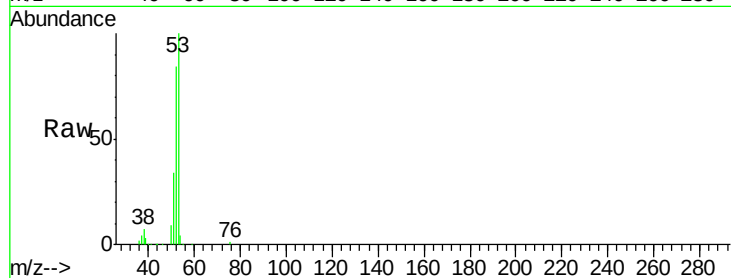
ClientSampleId :

TPTW-04MS

Tot Ion:	53	Resp:	259805
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.1	100.7
51	35.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 296.32 ug/l

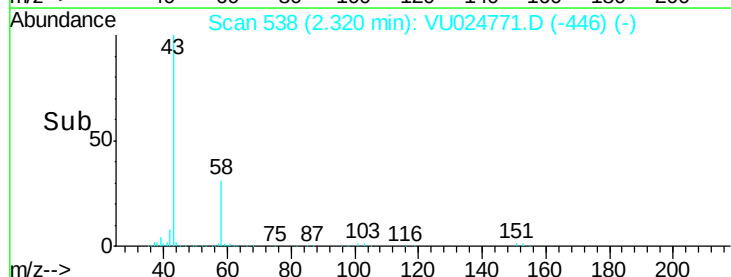
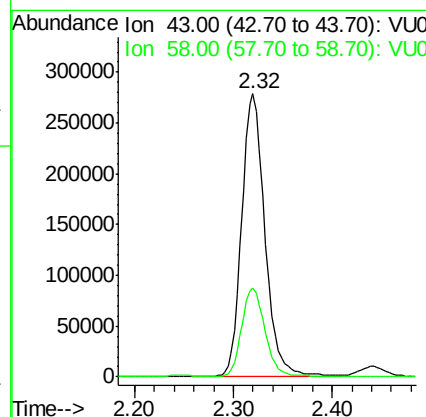
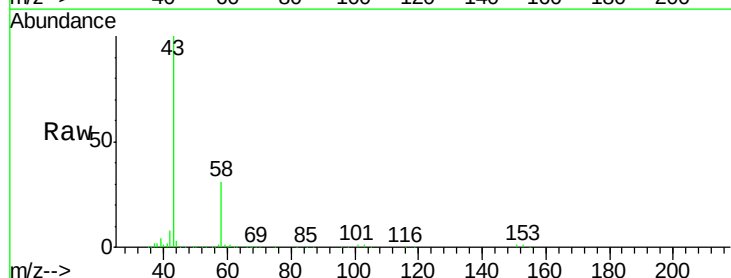
RT: 2.32 min Scan# 538

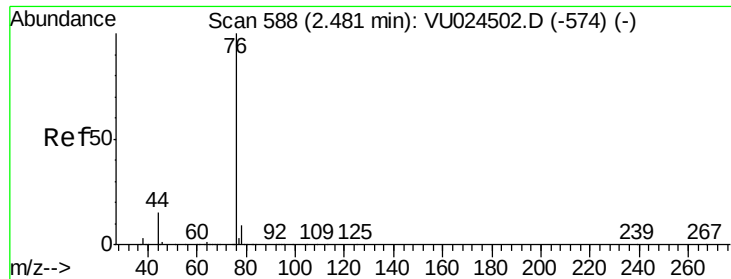
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	43	Resp:	454979
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6





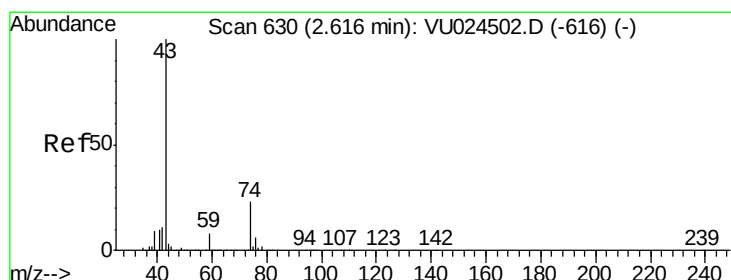
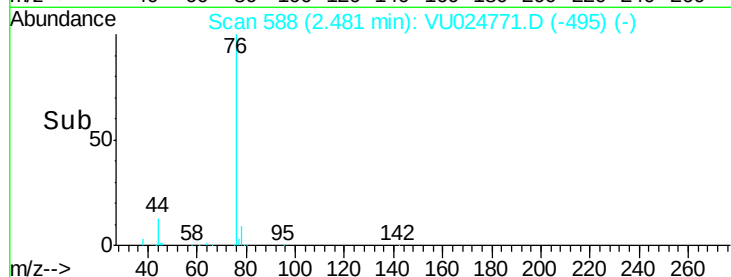
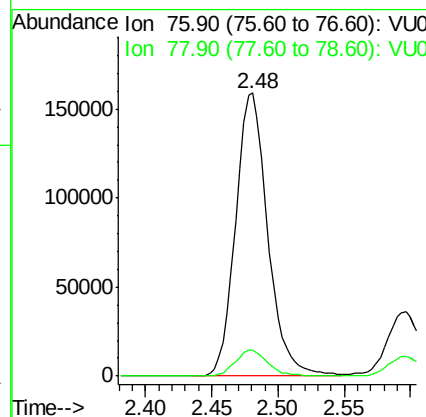
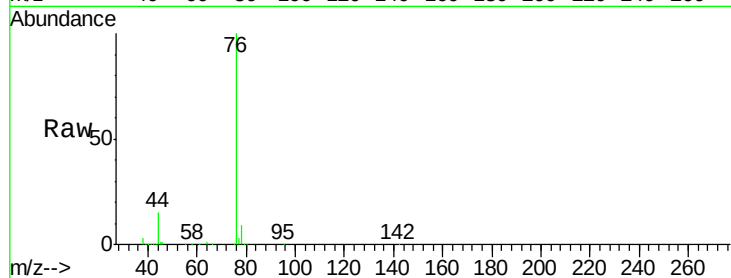
#17
Carbon Disulfide
Concen: 42.16 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

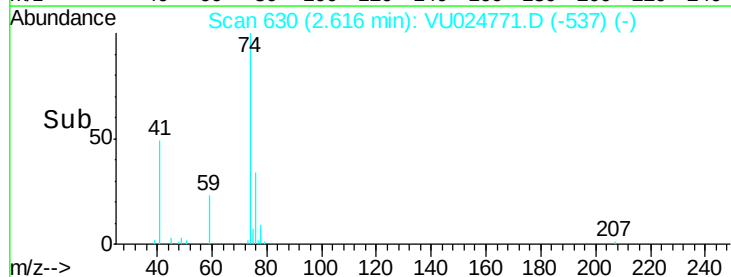
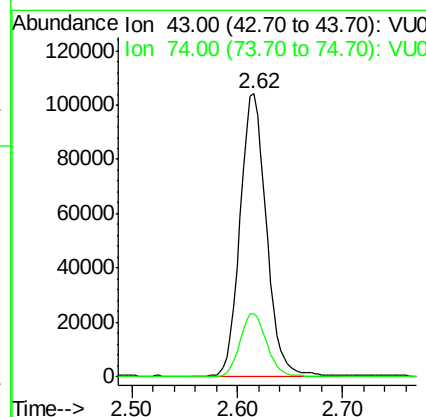
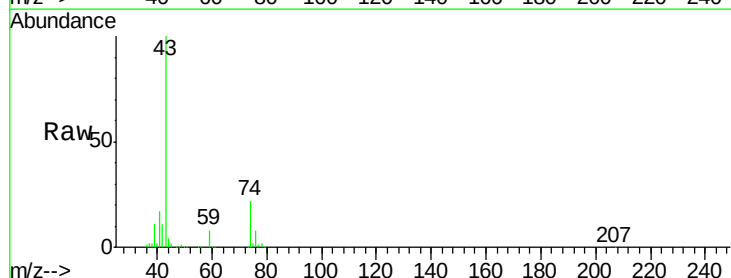
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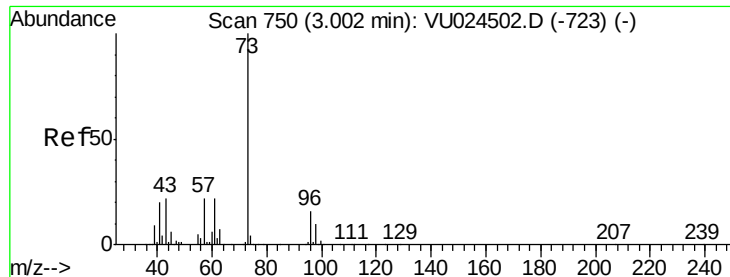
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#18
Methyl Acetate
Concen: 54.52 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





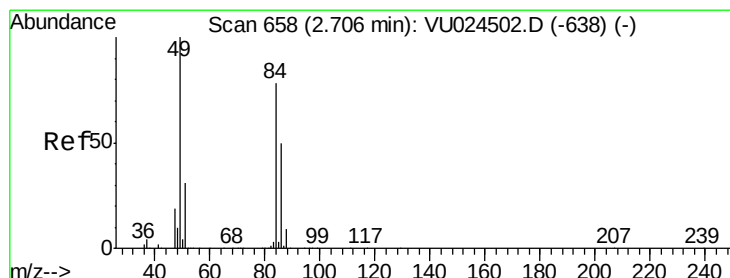
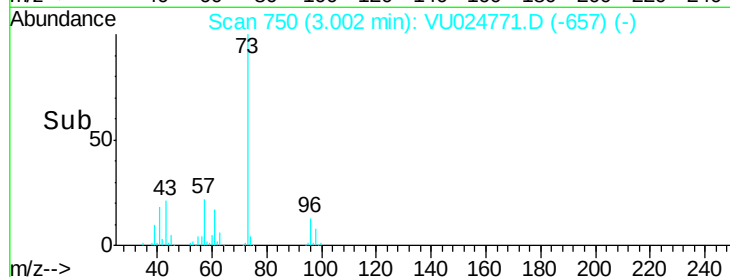
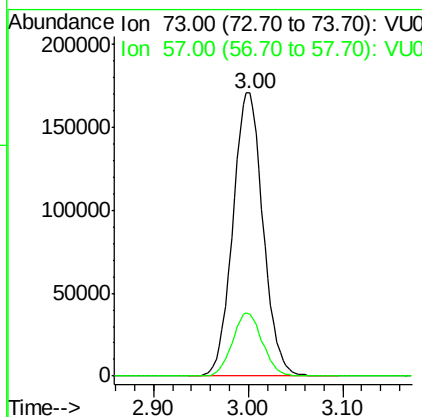
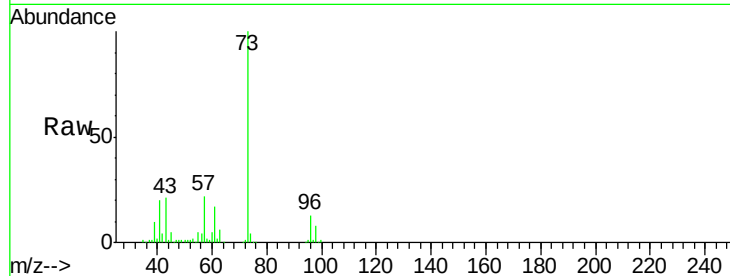
#19
Methyl tert-butyl Ether
Concen: 50.45 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.8	28.2

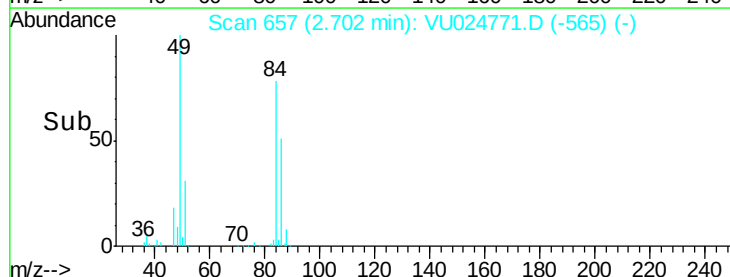
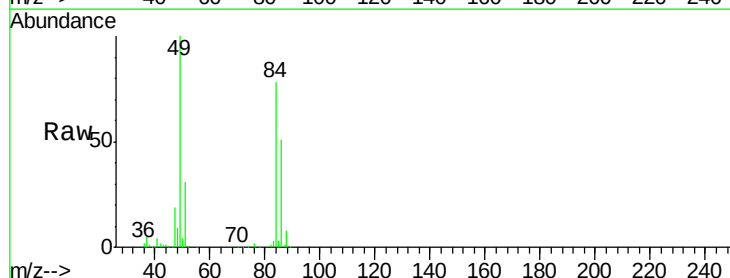
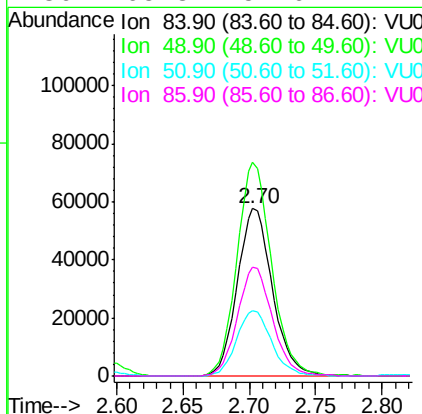
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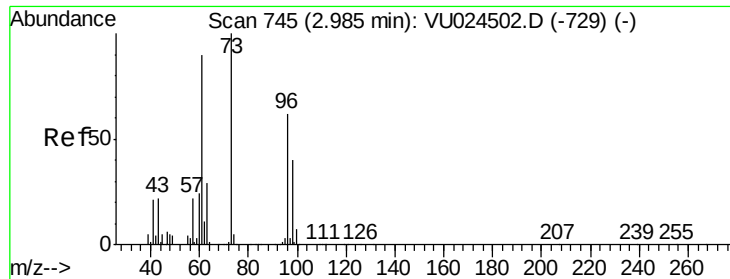
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#20
Methylene Chloride
Concen: 44.08 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.5	103.8	155.8
51	39.0	32.0	48.0
86	65.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 43.72 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

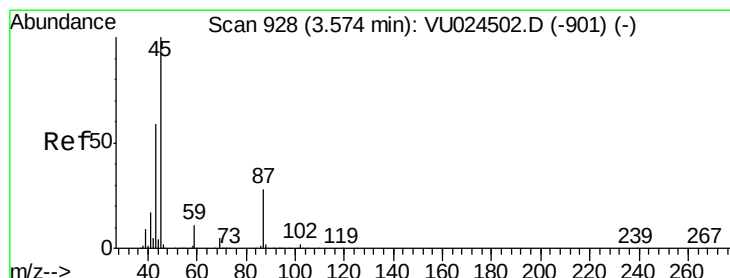
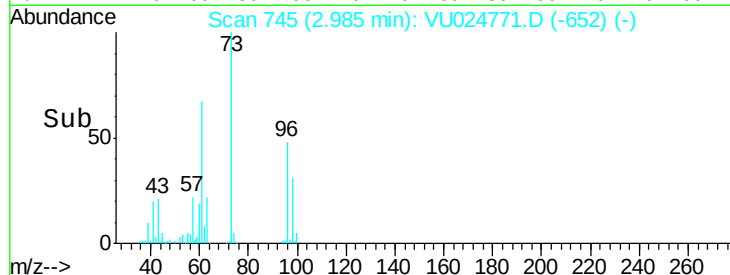
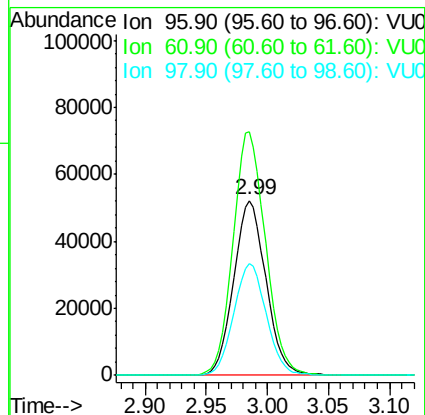
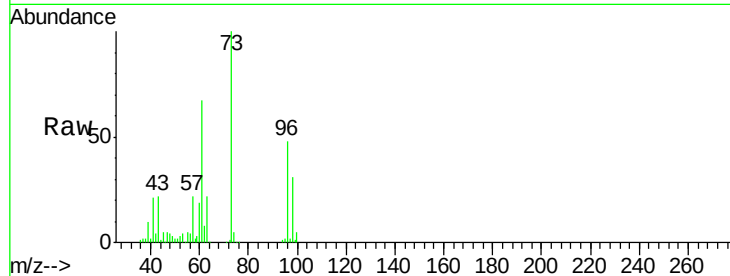
ClientSampleId :

TPTW-04MS

Tot Ion:	96	Resp:	95968
Ion	Ratio	Lower	Upper
96	100		
61	139.1	119.4	179.0
98	63.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 46.89 ug/l

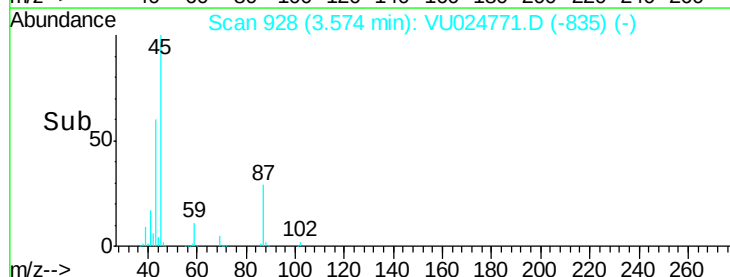
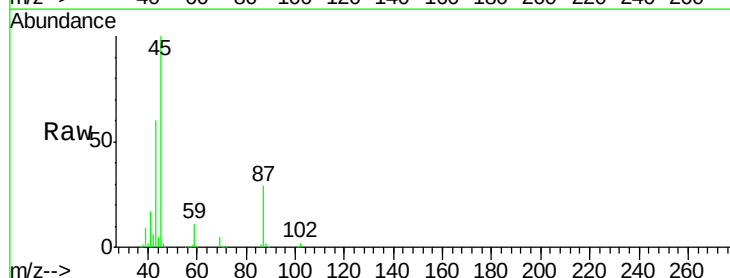
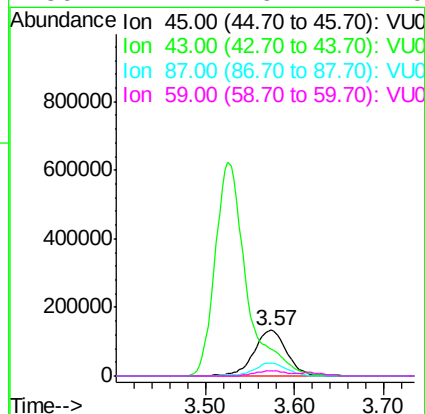
RT: 3.57 min Scan# 928

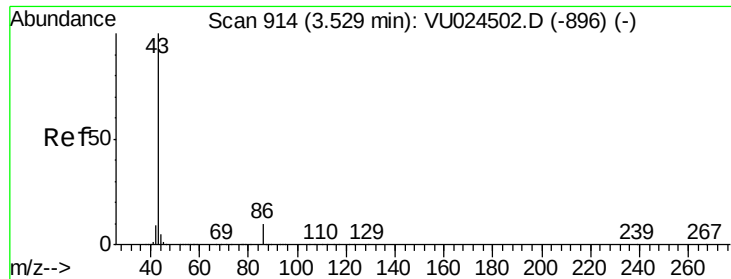
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	45	Resp:	344009
Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.8	68.6
87	28.9	20.6	31.0
59	11.4	9.4	14.0





#23

Vinyl Acetate

Concen: 230.57 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tot Ion: 43 Resp: 1515238

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

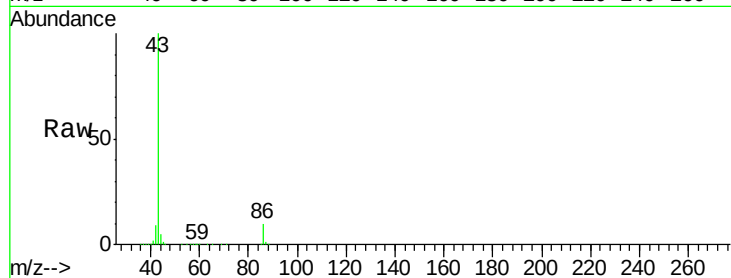
TPTW-04MS

Manual Integrations

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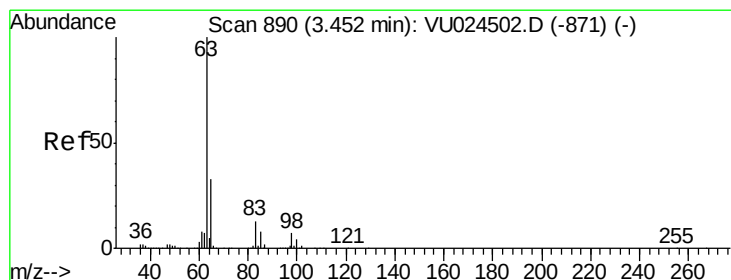
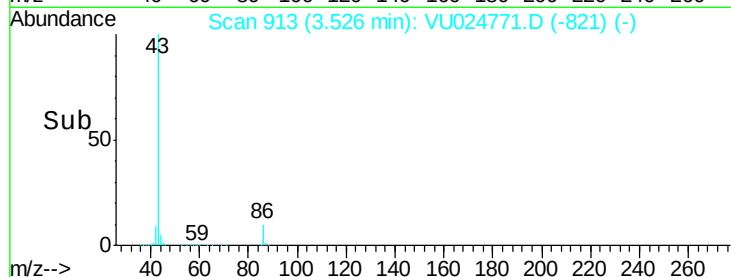
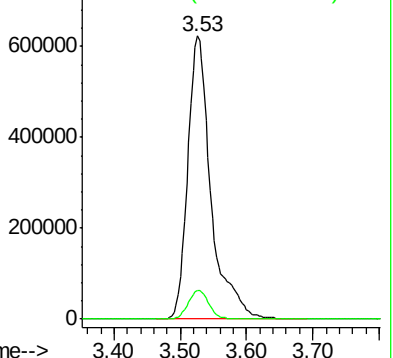
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 45.63 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

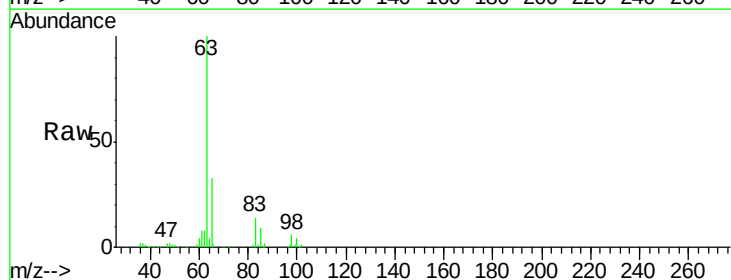
Tgt Ion: 63 Resp: 192583

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

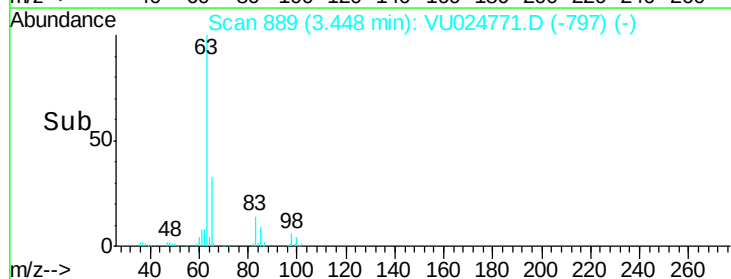
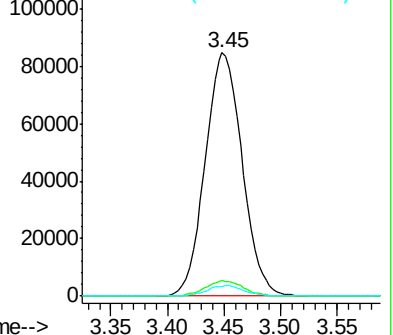
100 4.1 1.8 5.5

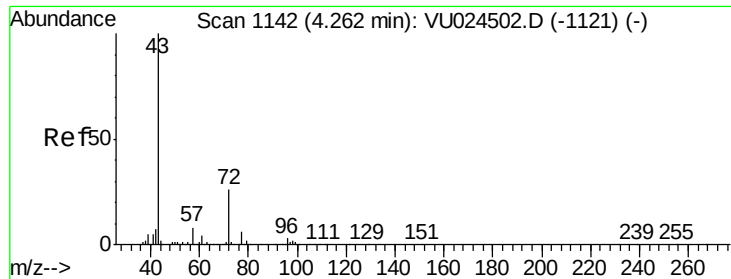


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 260.10 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

TPTW-04MS

Tot Ion: 43 Resp: 536434

Ion Ratio Lower Upper

43 100

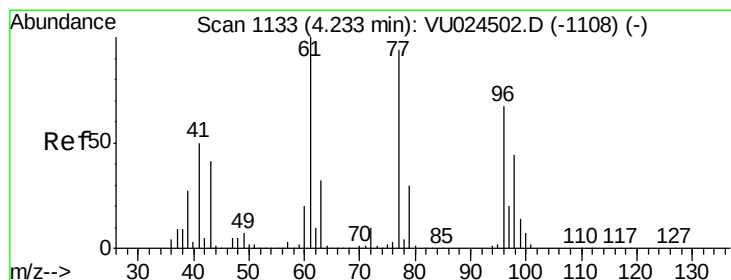
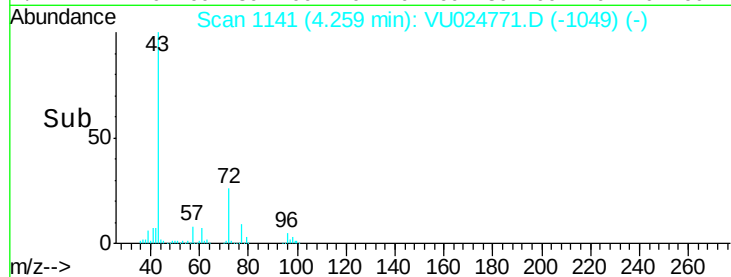
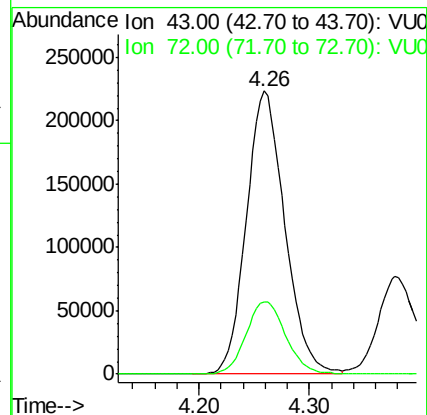
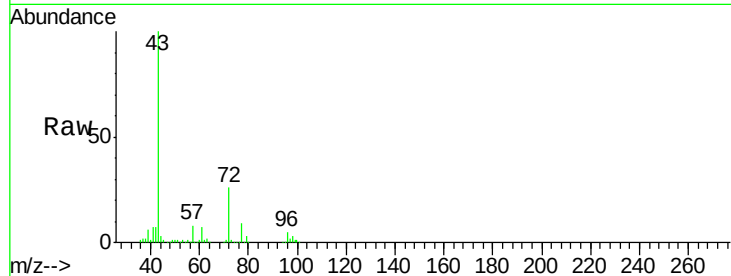
72 25.7 19.6 29.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 38.99 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024771.D

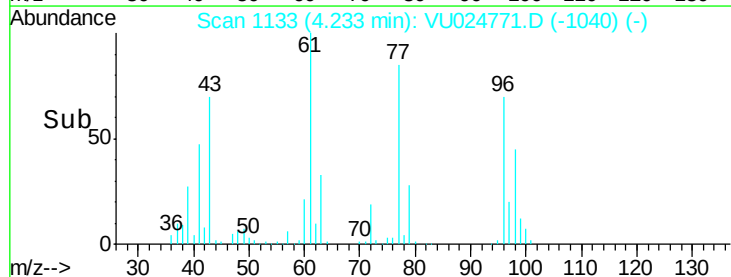
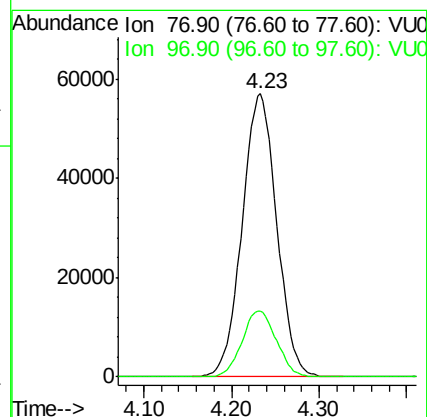
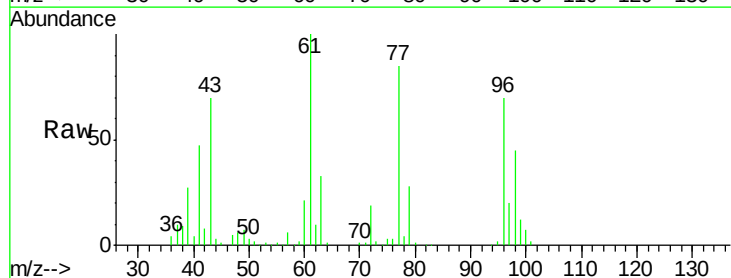
Acq: 20 Jun 2018 20:46

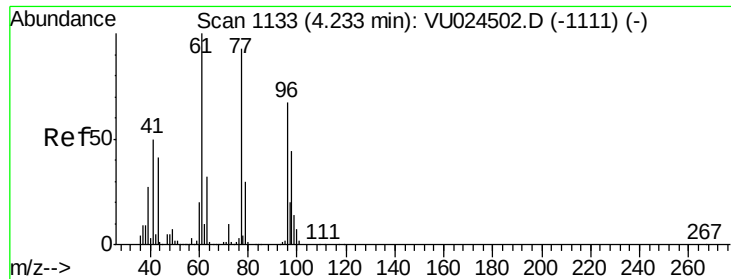
Tgt Ion: 77 Resp: 156258

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





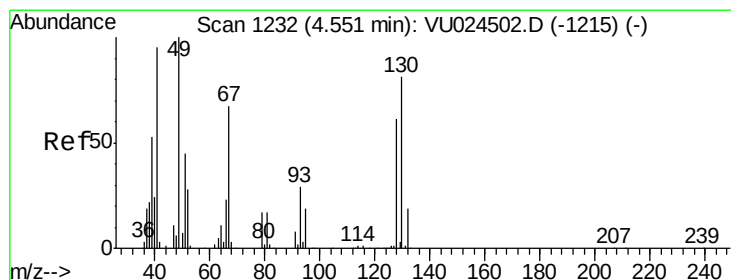
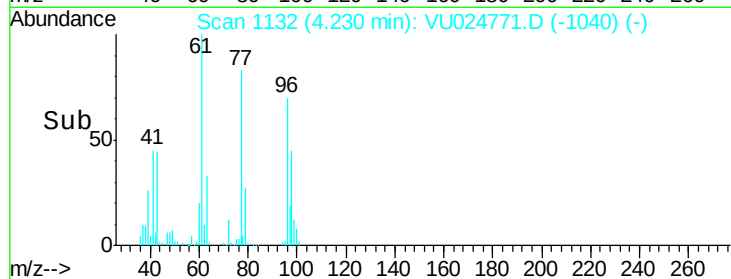
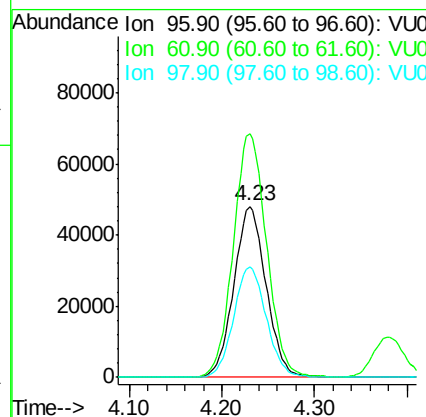
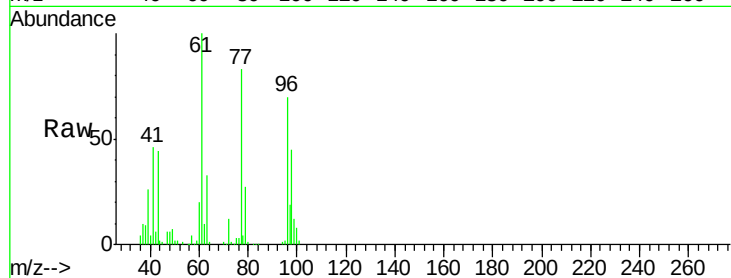
#27
 cis-1,2-Dichloroethene
 Concen: 45.81 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.3	0.0	306.6	
98	65.5	0.0	128.8	

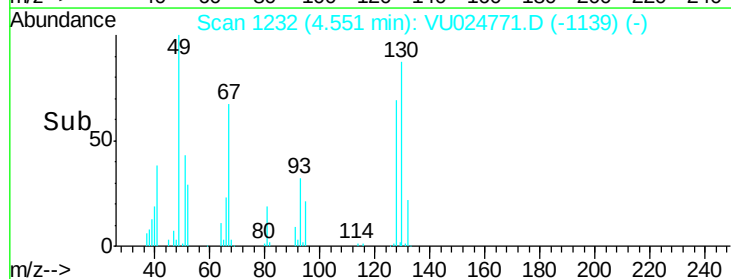
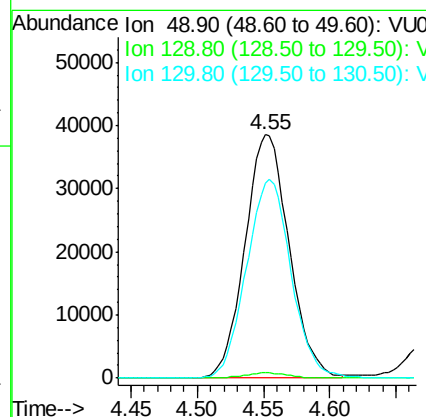
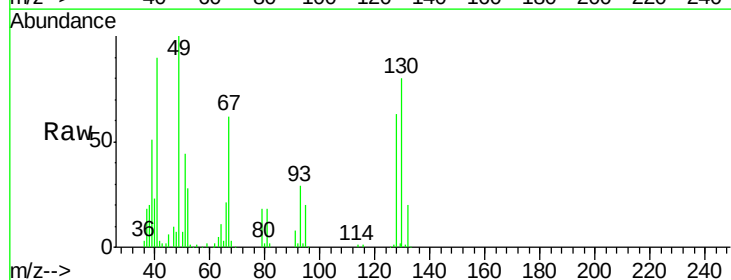
Manual Integrations
 APPROVED

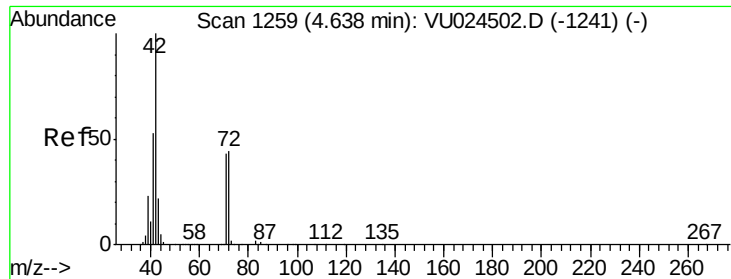
apatel
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#28
 Bromochloromethane
 Concen: 47.96 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	82.4	57.8	86.6	





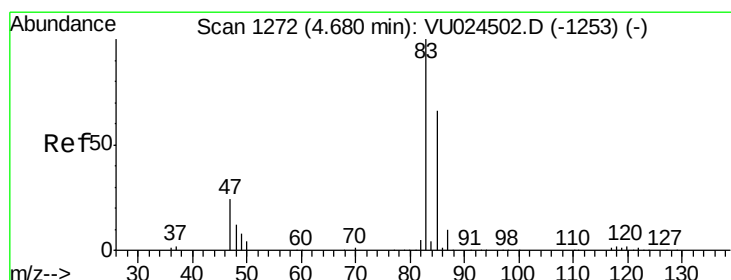
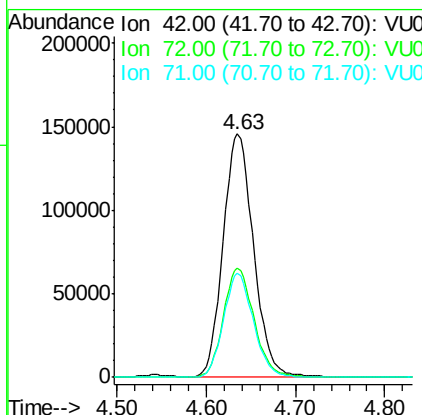
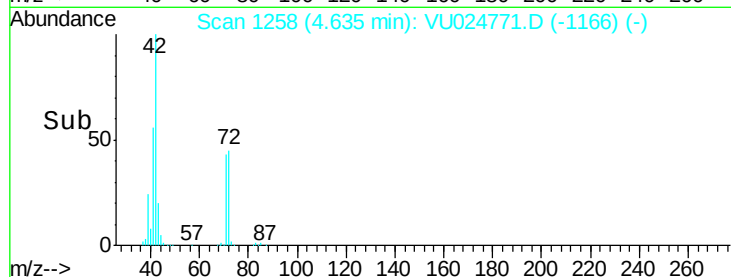
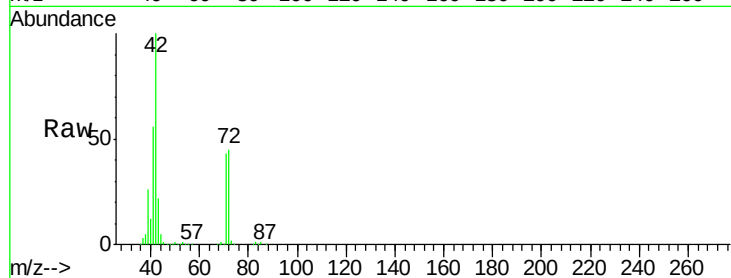
#29
Tetrahydrofuran
Concen: 268.52 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	42.0	32.2	48.4

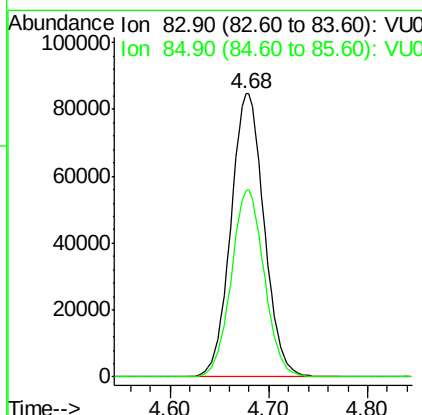
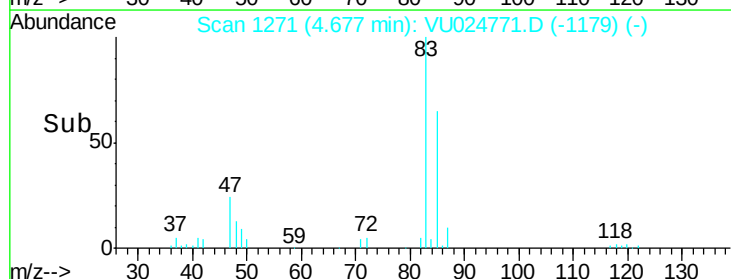
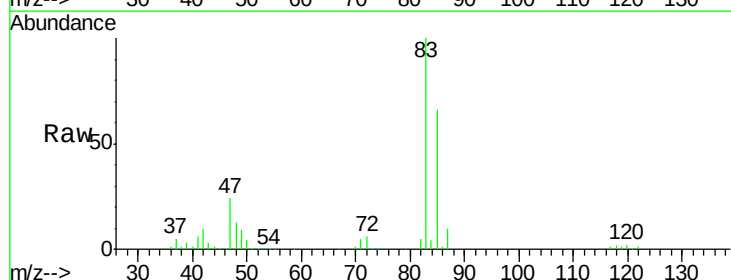
Manual Integrations
APPROVED

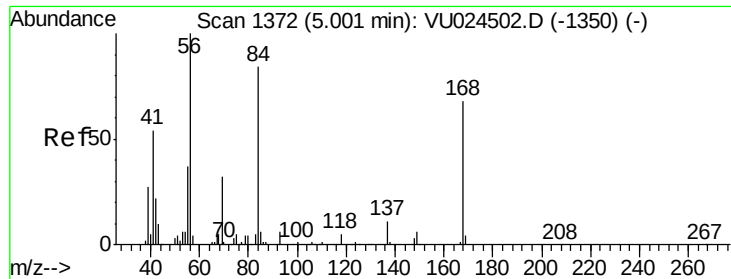
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#30
Chloroform
Concen: 46.48 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.4	78.6





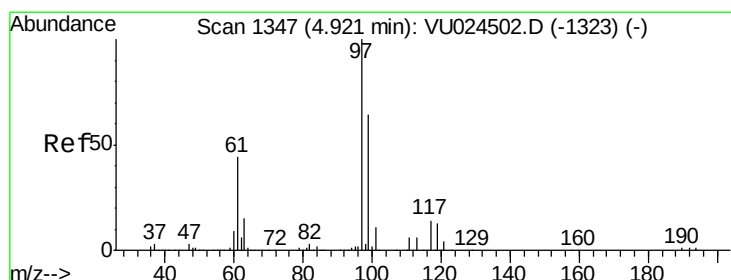
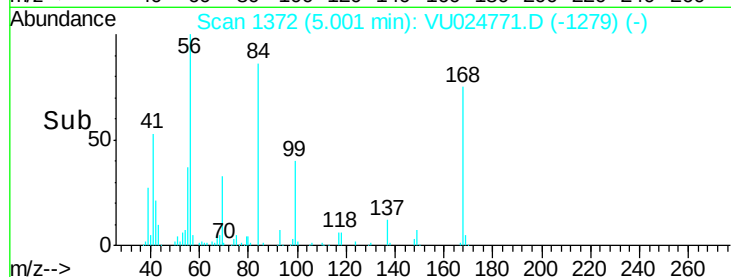
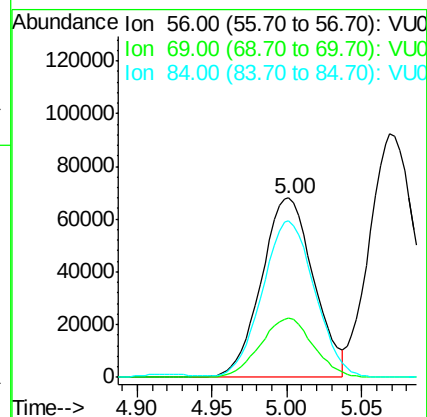
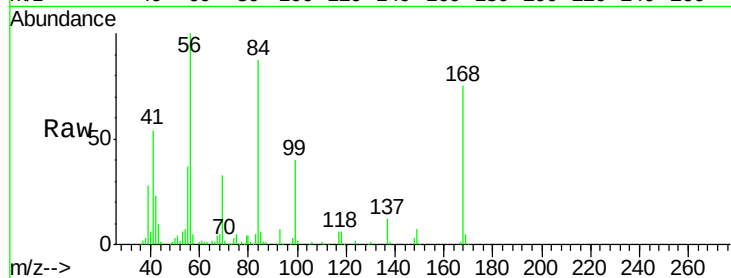
#31
Cyclohexane
Concen: 43.82 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	24.8	37.2
84	86.1	65.2	97.8

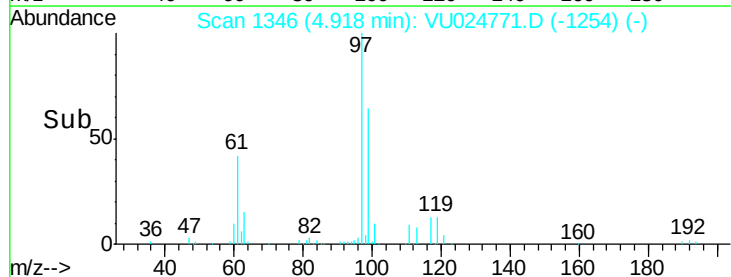
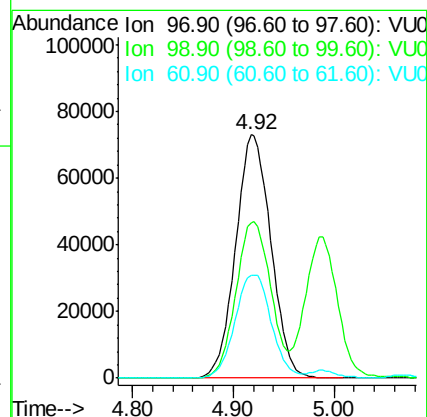
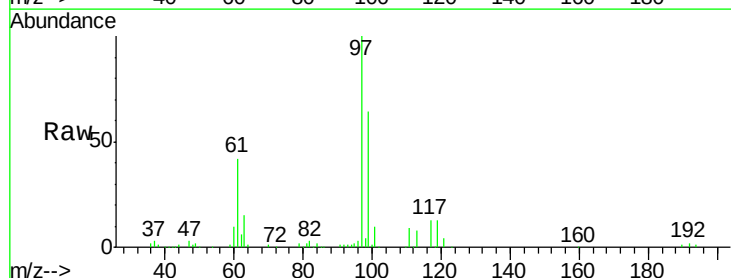
Manual Integrations
APPROVED

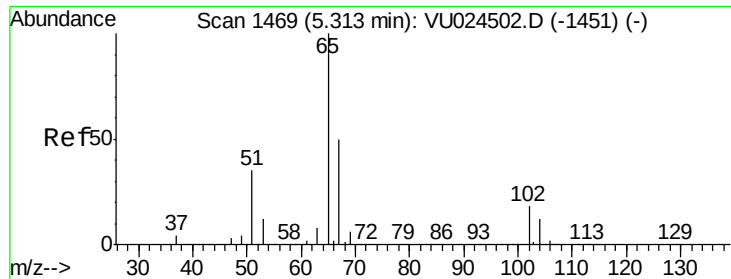
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#32
1,1,1-Trichloroethane
Concen: 44.82 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	43.7	39.4	59.0





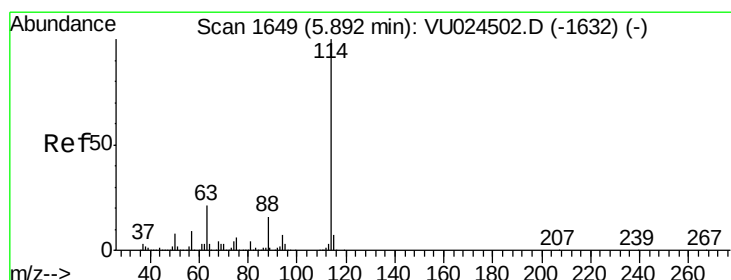
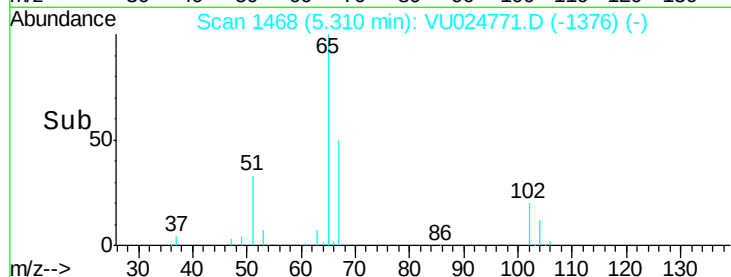
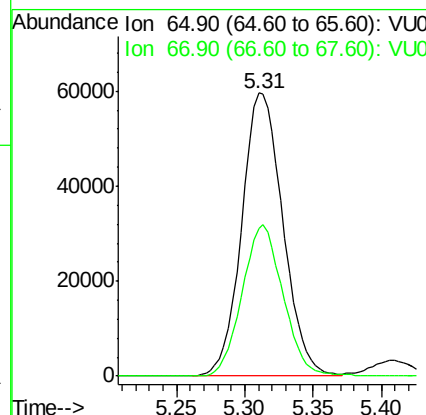
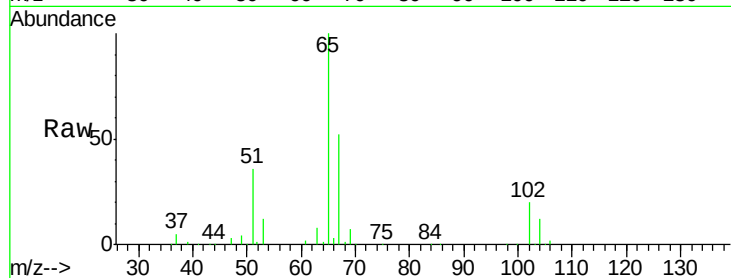
#33
 1,2-Dichloroethane-d4
 Concen: 43.70 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.0

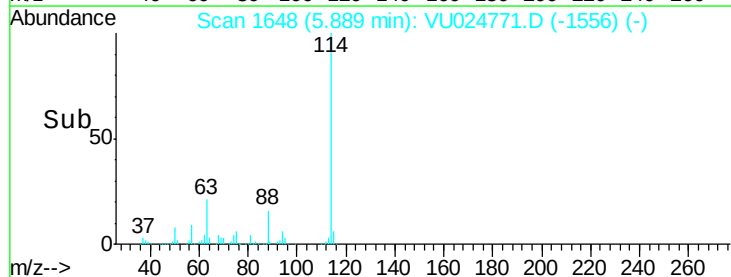
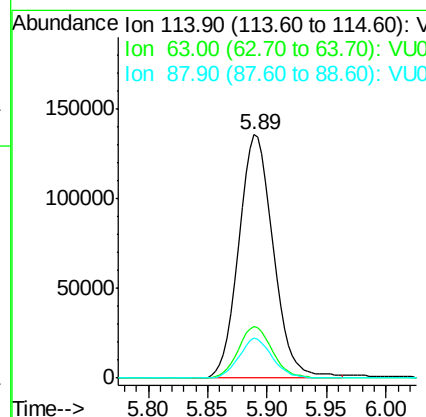
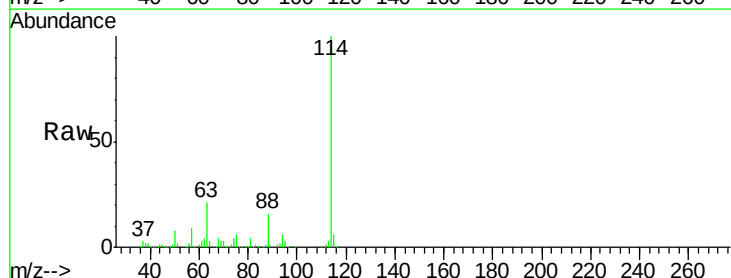
Manual Integrations
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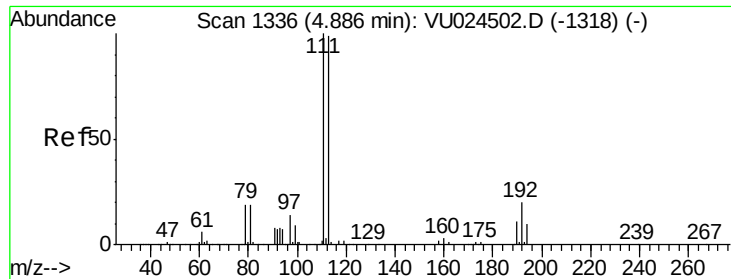
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.4
88	16.3	0.0	31.0





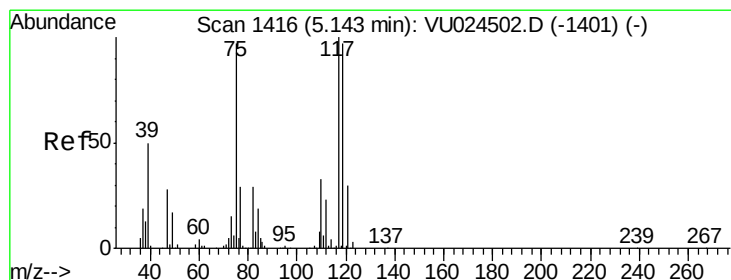
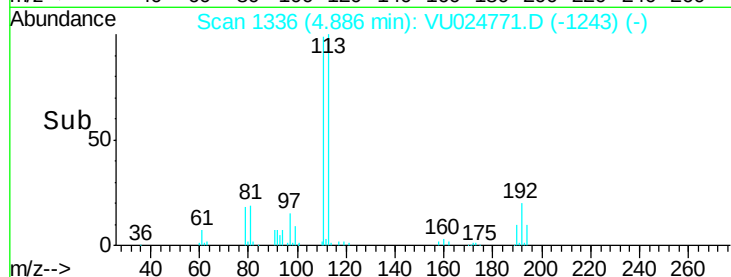
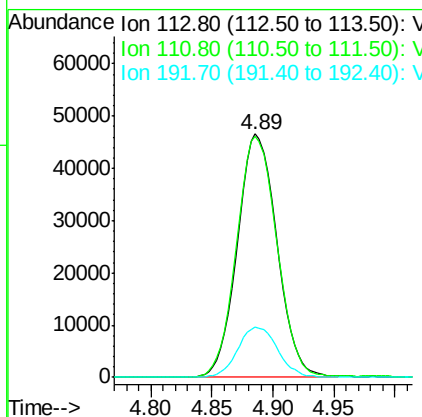
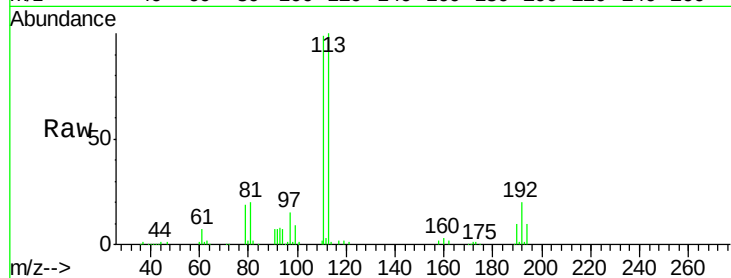
#35
 Dibromofluoromethane
 Concen: 46.24 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104735		
111	100.7		82.2	123.4
192	20.8		16.2	24.4

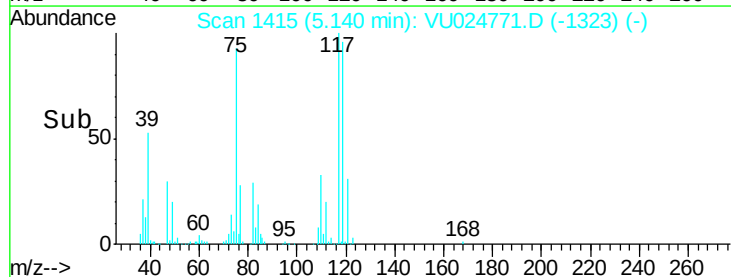
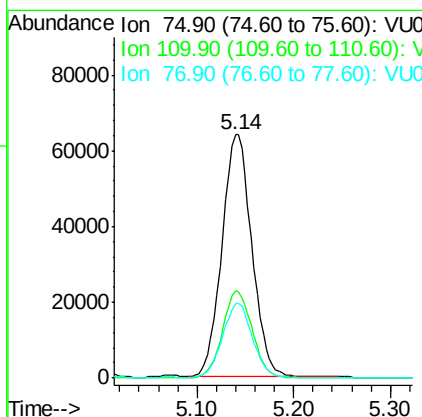
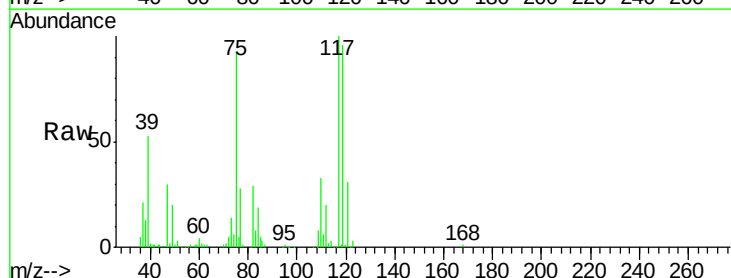
Manual Integrations
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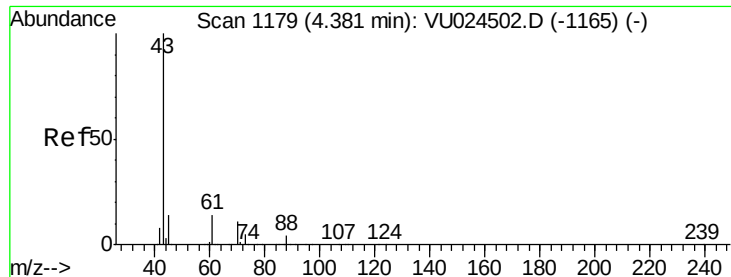
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#36
 1,1-Dichloropropene
 Concen: 42.88 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137531		
110	35.7		17.0	50.9
77	30.5		24.2	36.4





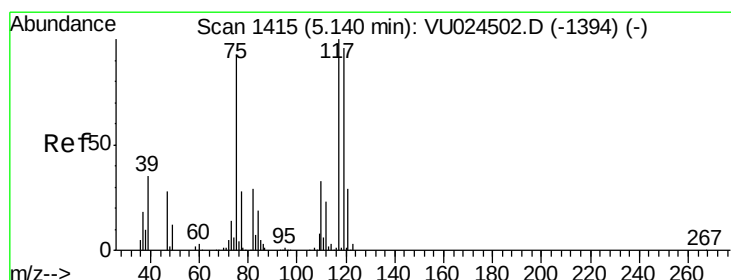
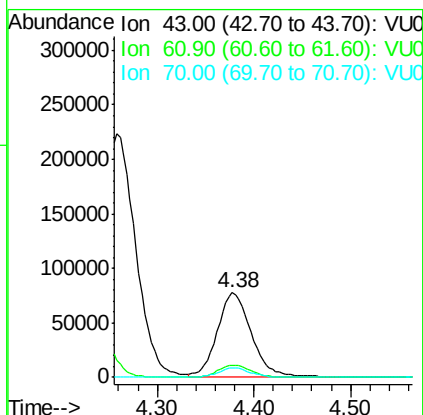
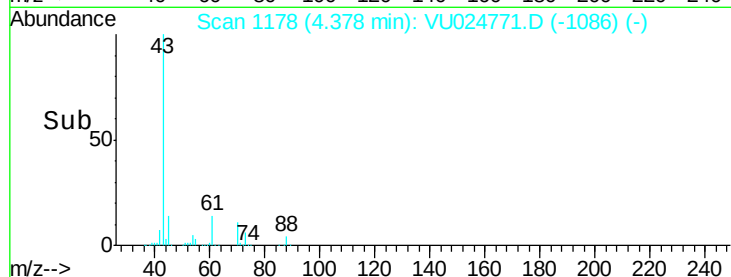
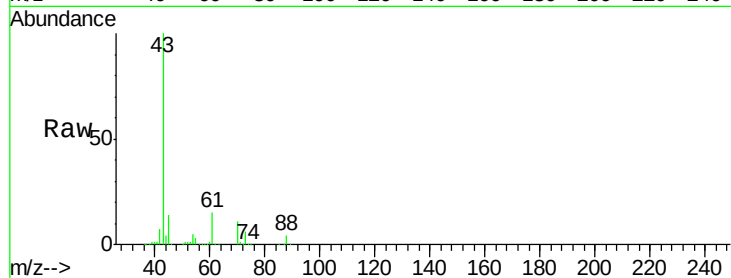
#37
Ethyl Acetate
Concen: 53.60 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	10.9	7.4	11.2

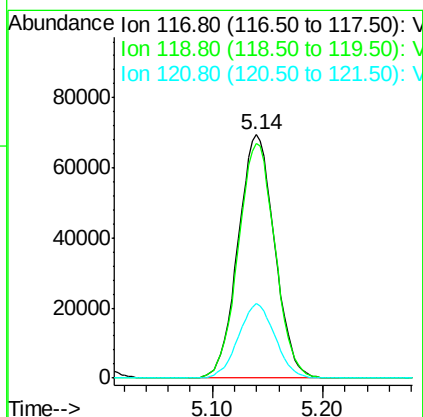
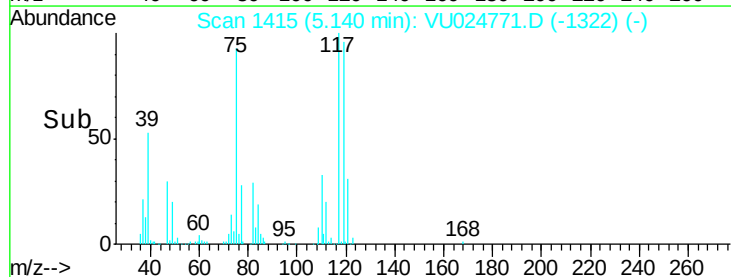
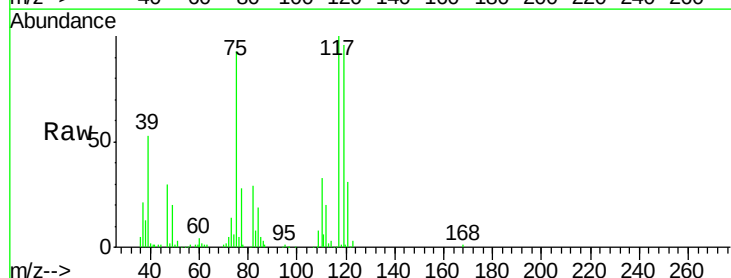
Manual Integrations
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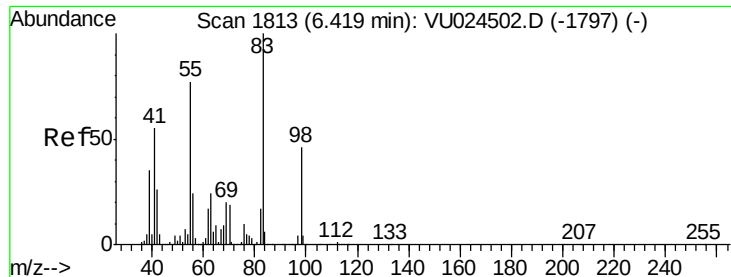
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#38
Carbon Tetrachloride
Concen: 45.14 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.1	114.1
121	30.5	23.7	35.5





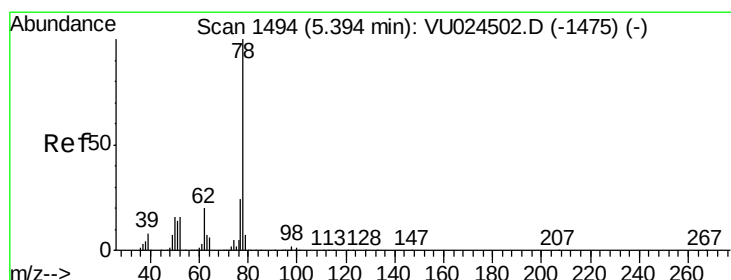
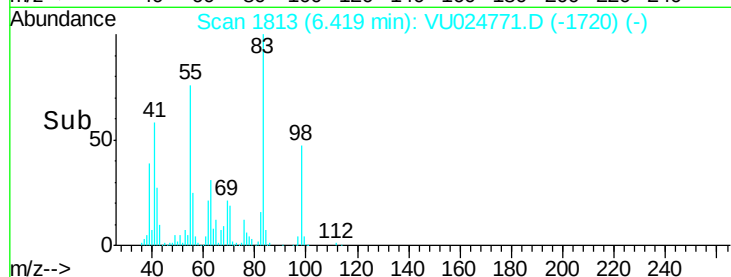
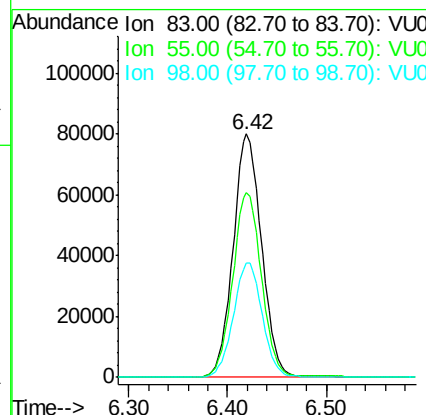
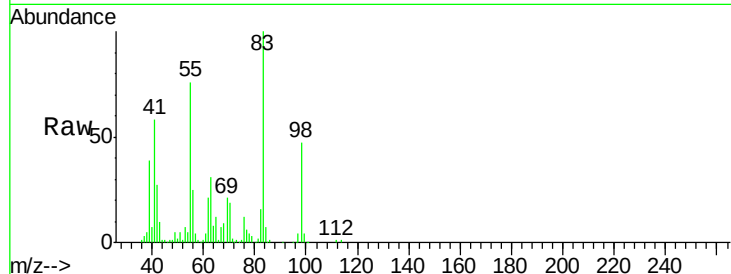
#39
Methylvlcyclohexane
Concen: 40.32 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampled :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	65.8	98.6
98	47.1	36.7	55.1

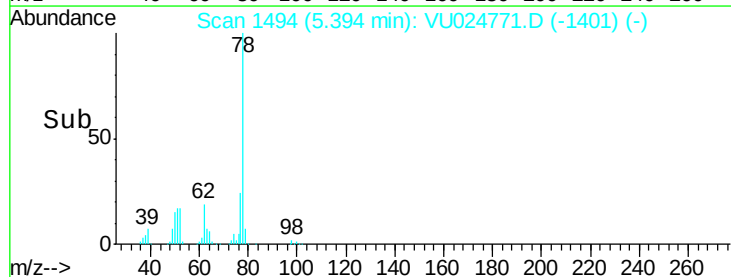
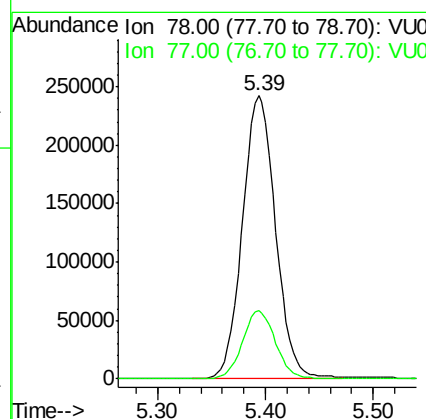
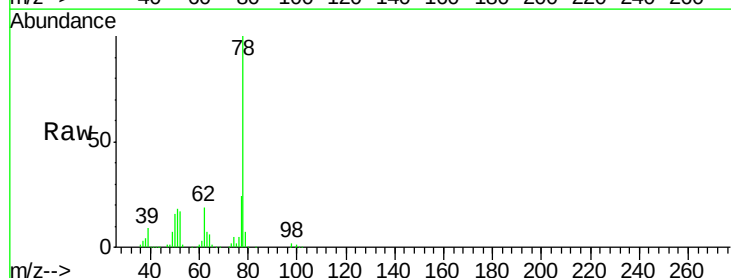
Manual Integrations
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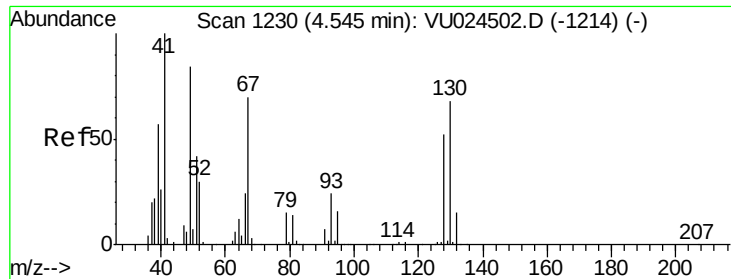
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#40
Benzene
Concen: 56.74 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





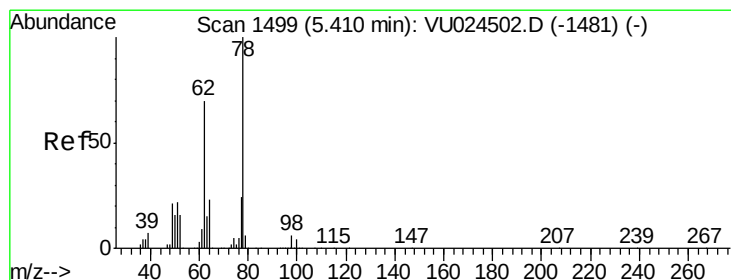
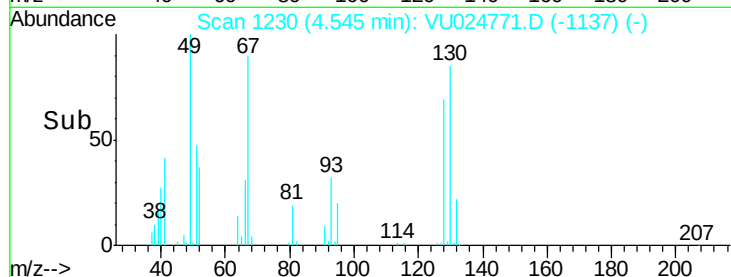
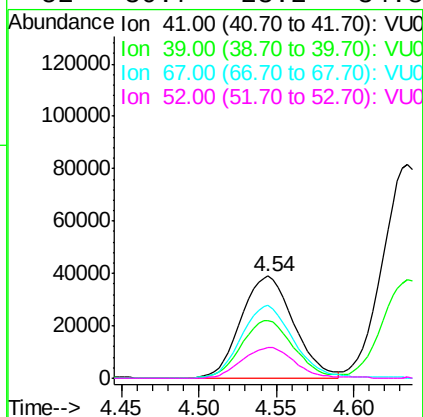
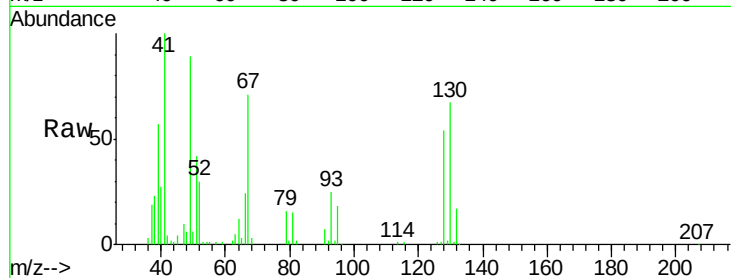
#41
Methacrylonitrile
Concen: 48.62 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	43.8	65.6	
67	71.9	56.3	84.5	
52	30.7	23.2	34.8	

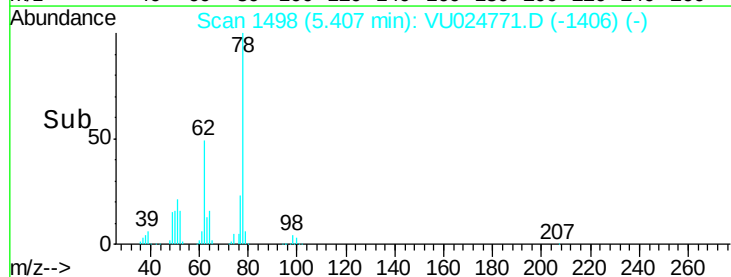
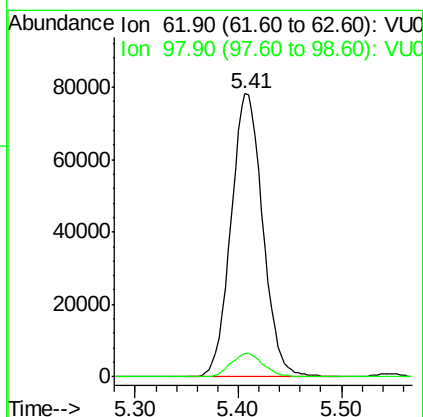
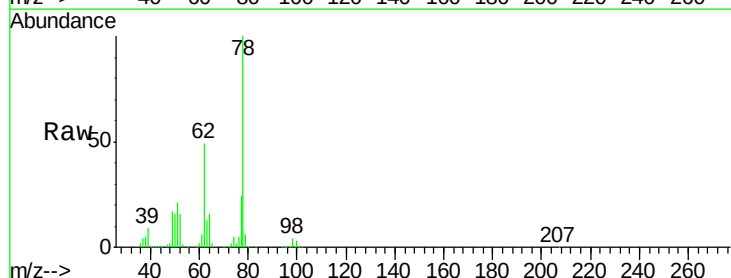
Manual Integrations
APPROVED

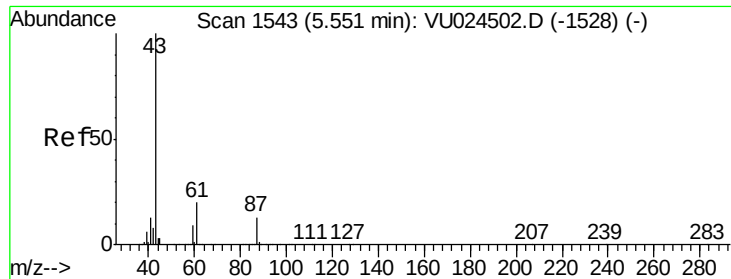
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#42
1,2-Dichloroethane
Concen: 48.25 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





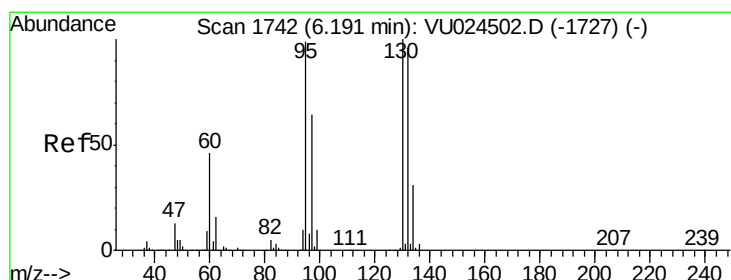
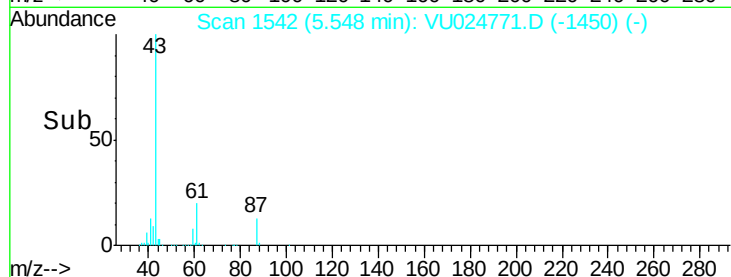
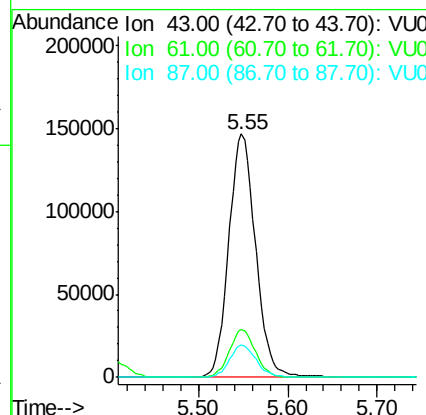
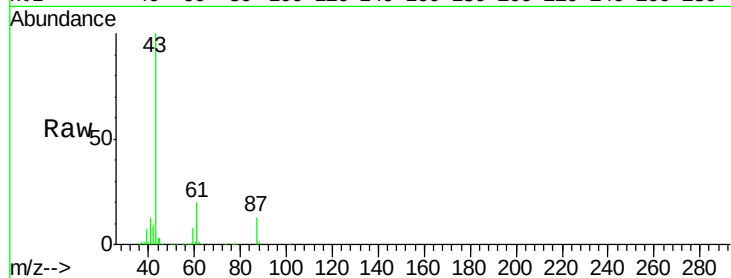
#43
Isopropyl Acetate
Concen: 50.14 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	302931		
61	19.5		15.4	23.0
87	13.3		10.0	15.0

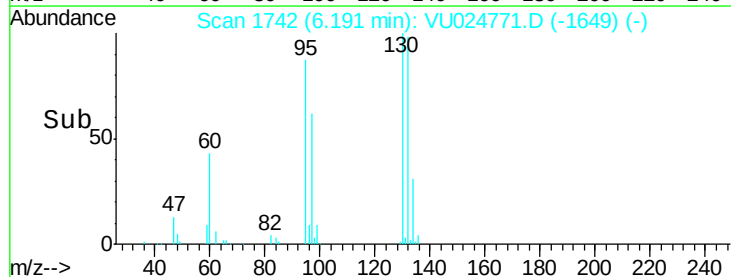
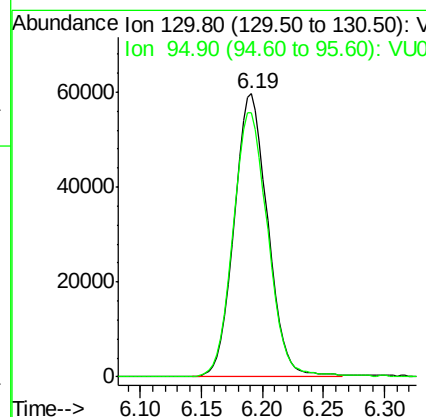
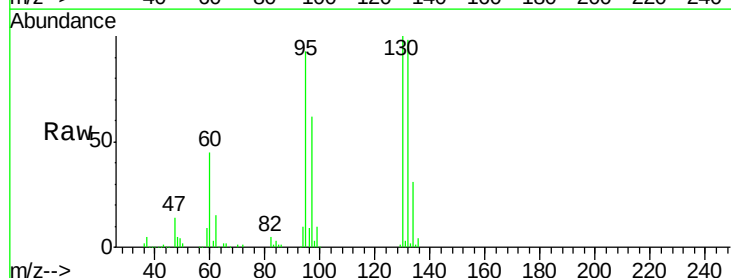
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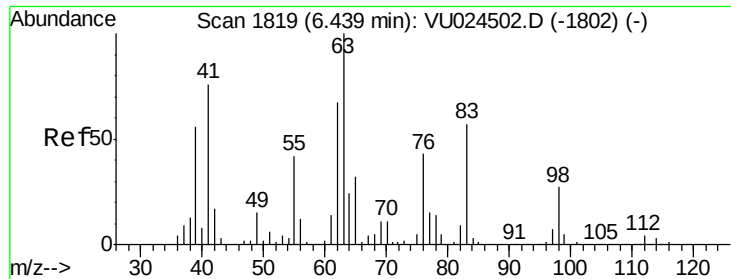
apatel
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#44
Trichloroethene
Concen: 44.01 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	114471		
95	93.4		0.0	202.4





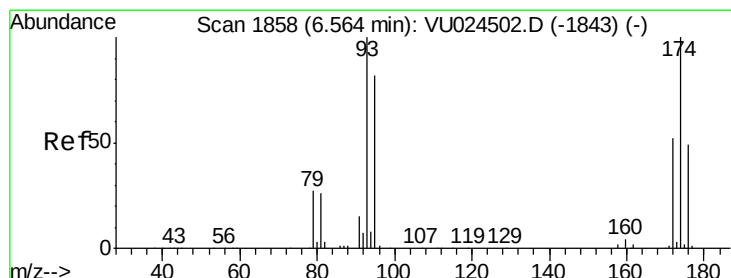
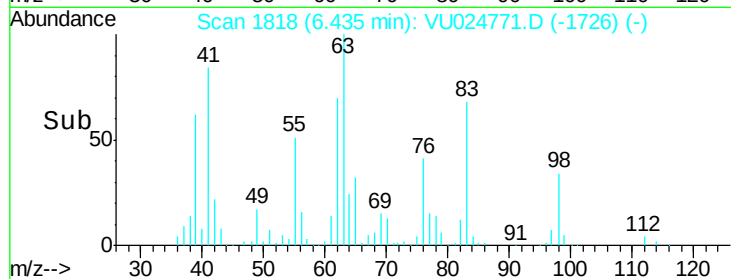
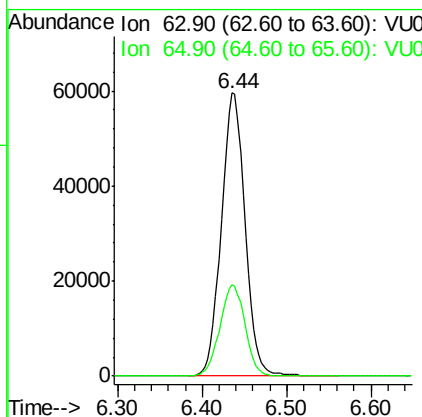
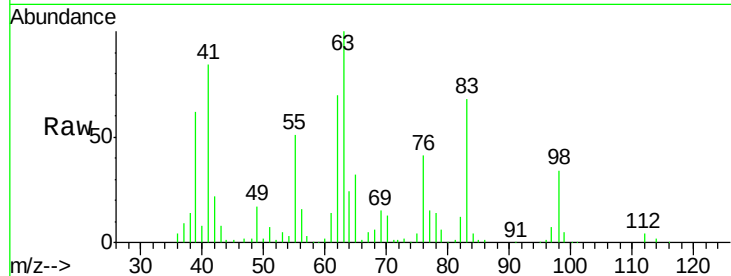
#45
 1,2-Dichloropropane
 Concen: 47.77 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion: 63 Resp: 116474
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.8 37.2

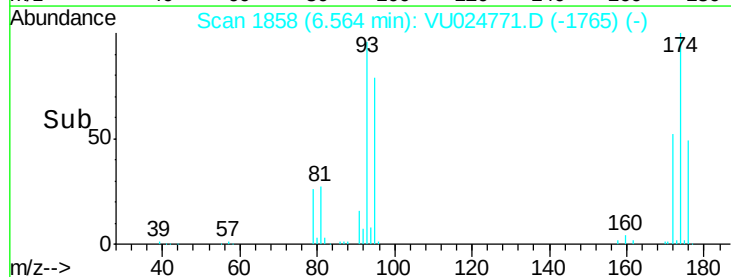
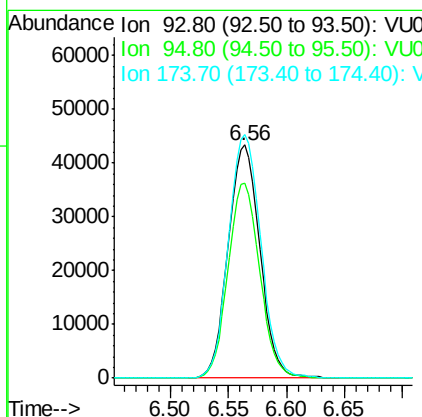
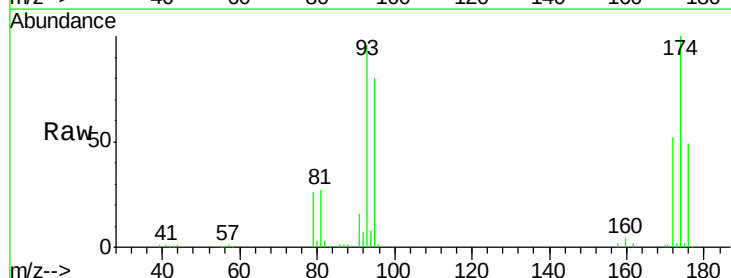
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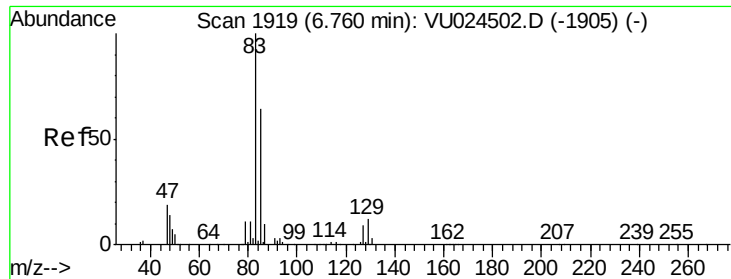
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#46
 Dibromomethane
 Concen: 48.06 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 93 Resp: 82310
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.5 98.3
 174 106.5 78.7 118.1





#47

Bromodichloromethane

Concen: 46.74 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

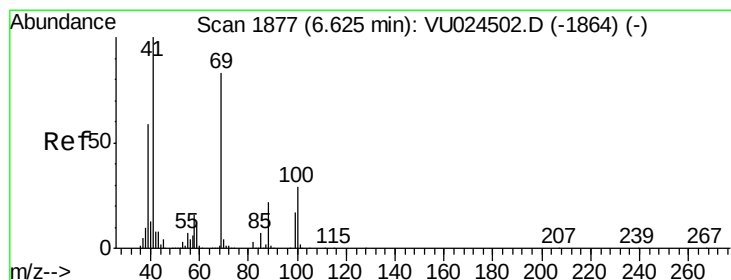
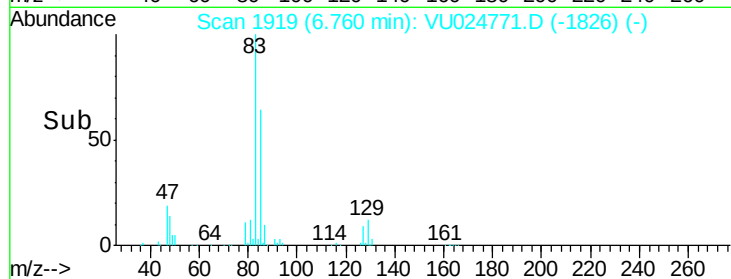
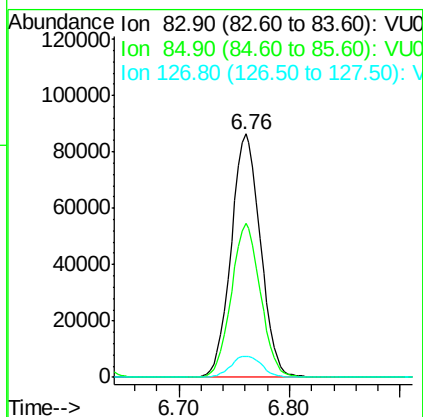
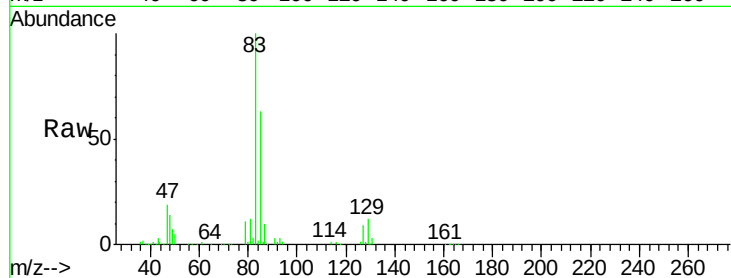
ClientSampleId :

TPTW-04MS

Tot Ion:	83	Resp:	159414
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.9	77.9
127	8.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 40.99 ug/l

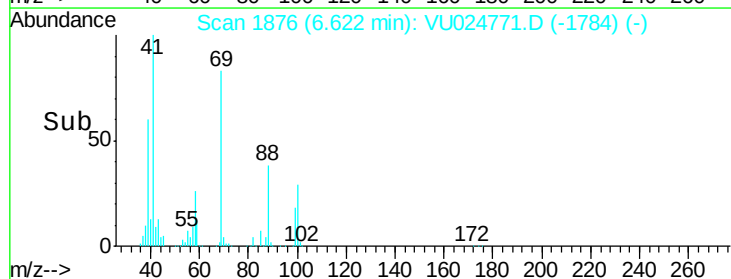
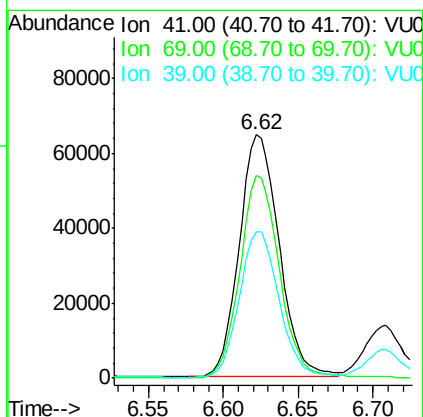
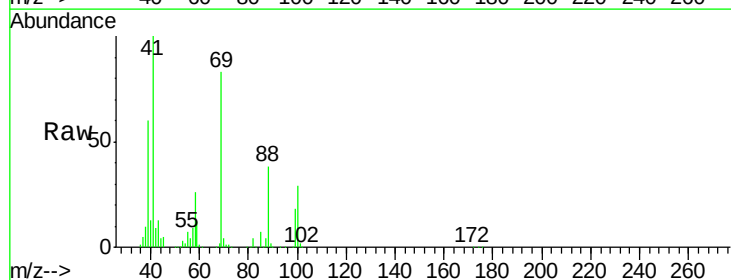
RT: 6.62 min Scan# 1876

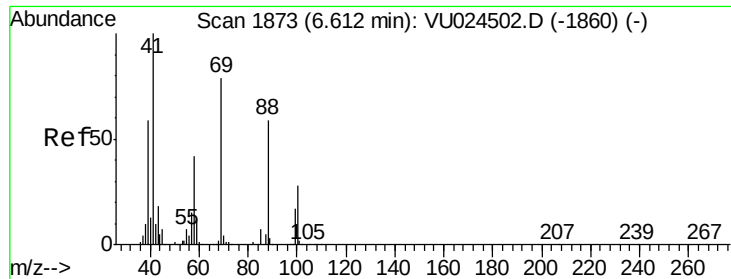
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	41	Resp:	120592
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.3	100.9
39	59.8	46.5	69.7





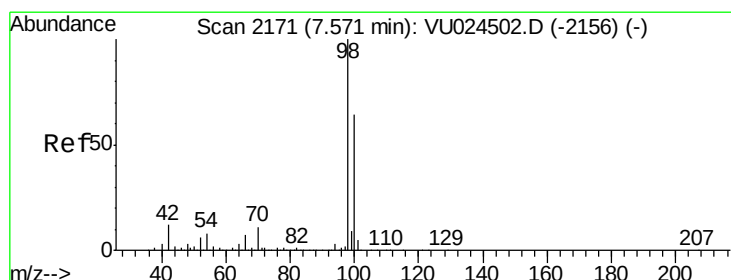
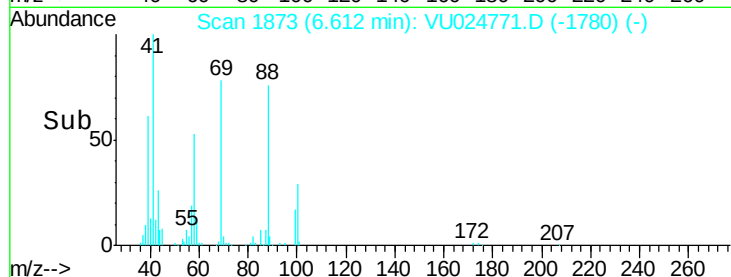
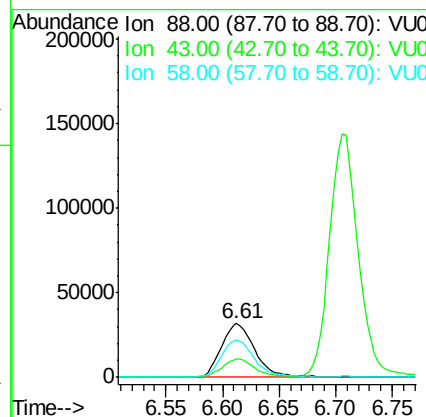
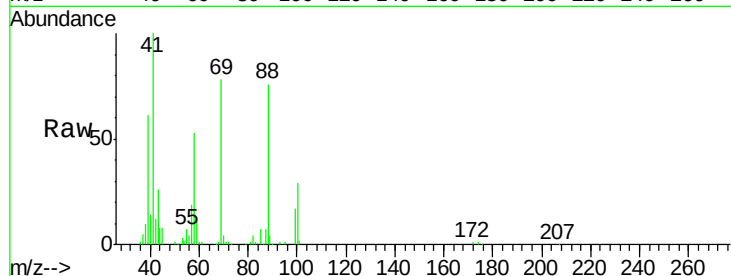
#49
1,4-Dioxane
Concen: 1121.93 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	28.6	42.8
58	70.7	58.2	87.4

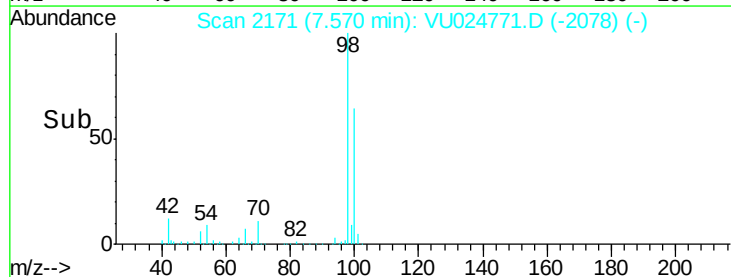
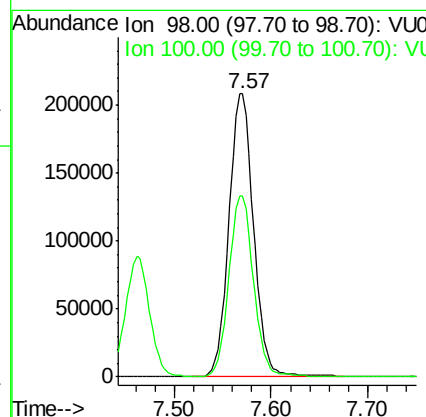
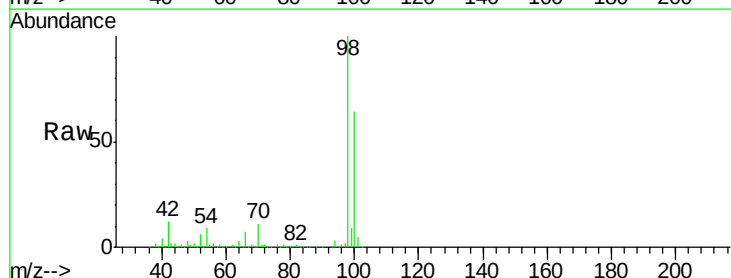
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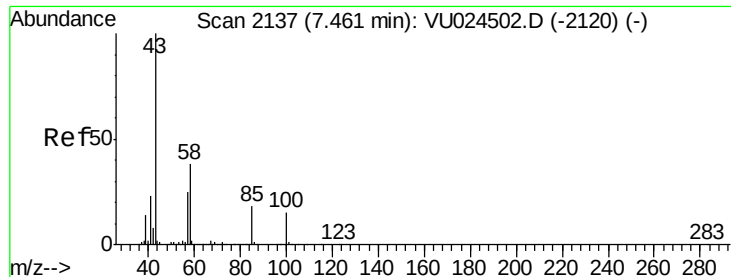
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#50
Toluene-d8
Concen: 44.79 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 275.46 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

Tot Ion: 43 Resp: 1045630

Ion Ratio Lower Upper

43 100

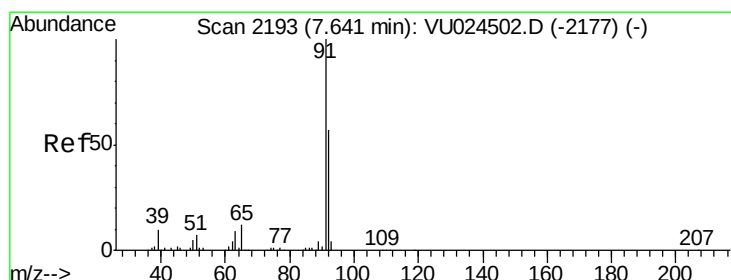
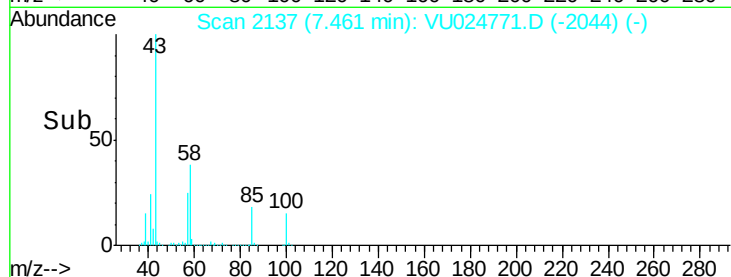
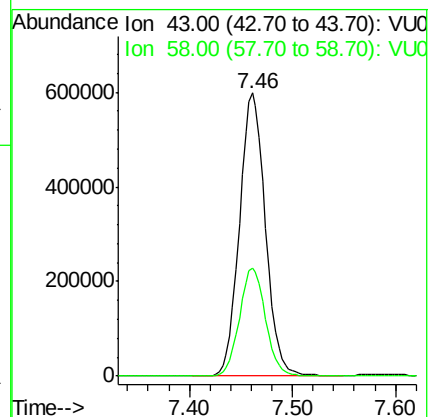
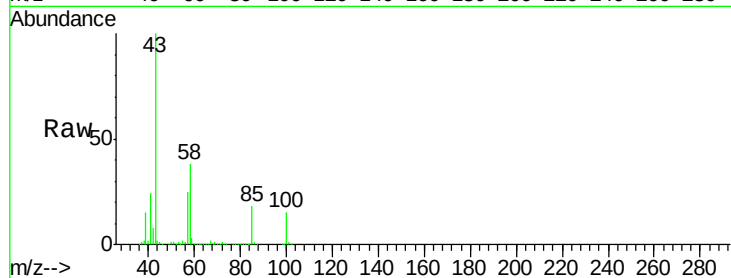
58 38.5 30.0 45.0

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#52

Toluene

Concen: 47.12 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024771.D

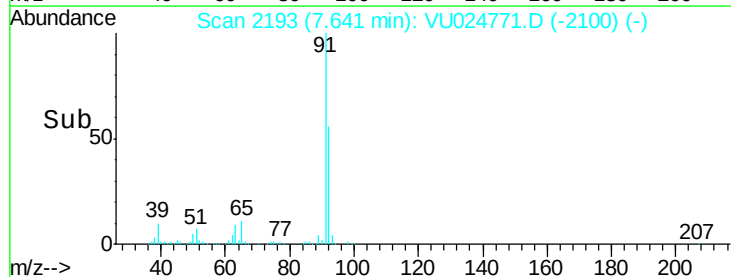
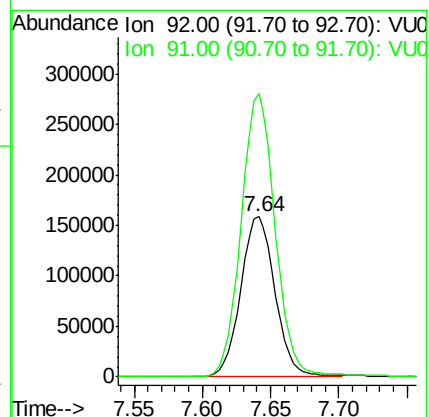
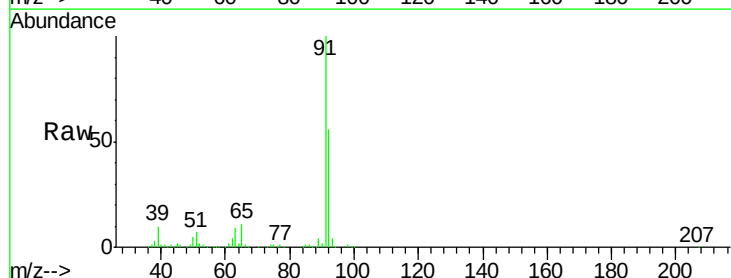
Acq: 20 Jun 2018 20:46

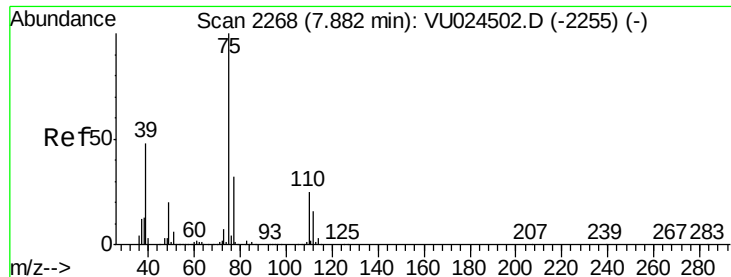
Tgt Ion: 92 Resp: 277017

Ion Ratio Lower Upper

92 100

91 175.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 44.67 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

TPTW-04MS

Tot Ion: 75 Resp: 171104

Ion Ratio Lower Upper

75 100

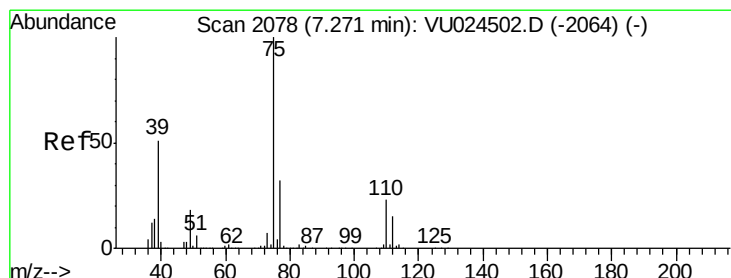
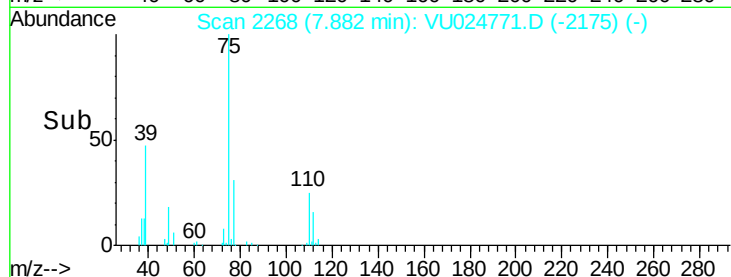
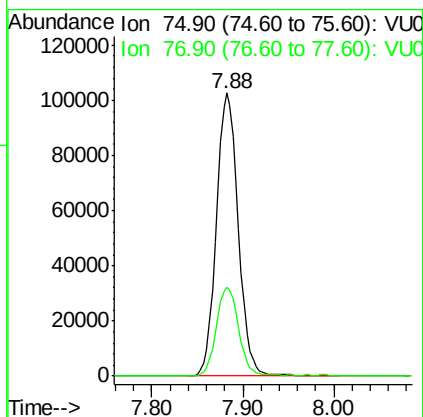
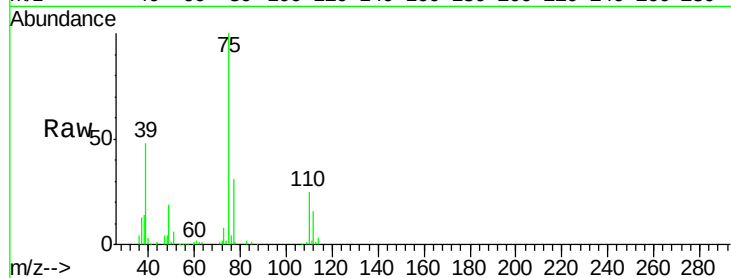
77 31.5 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 44.12 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

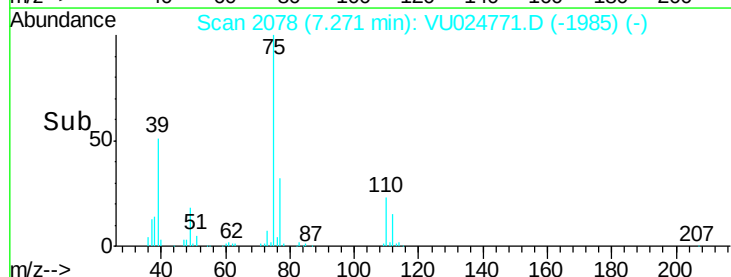
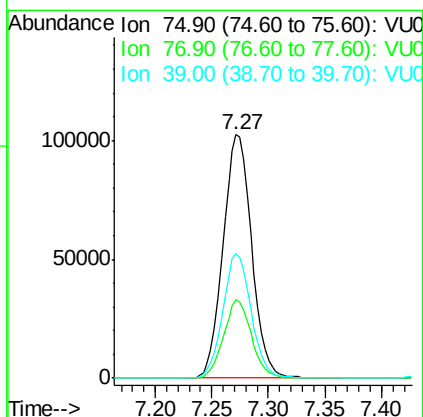
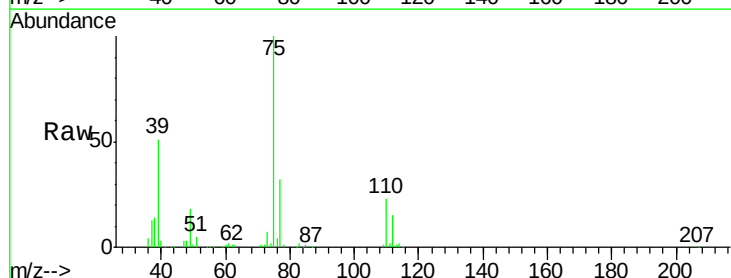
Tgt Ion: 75 Resp: 180063

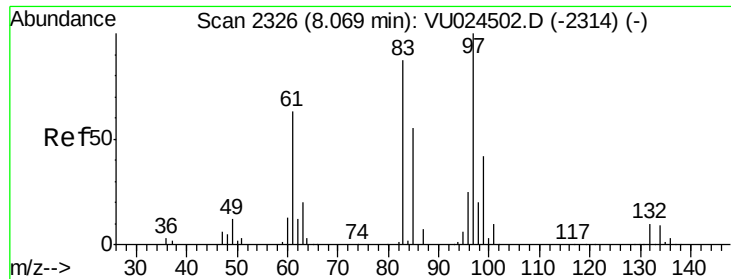
Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

39 51.1 39.8 59.6





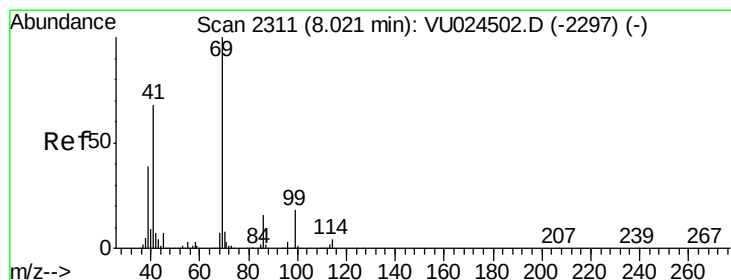
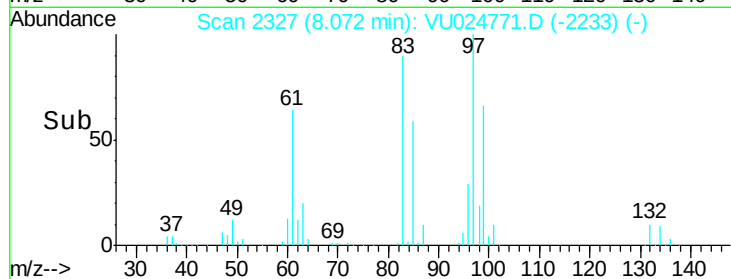
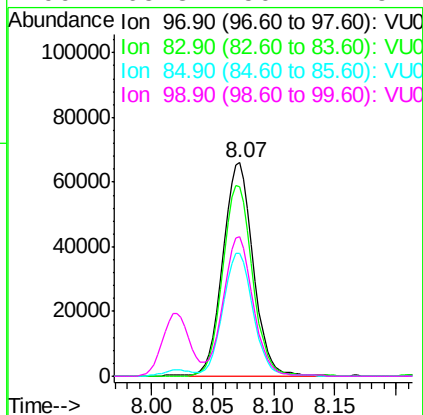
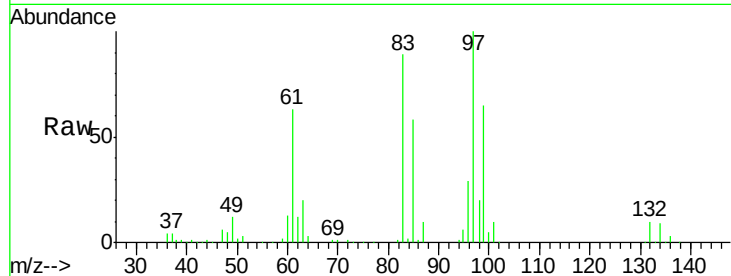
#55
 1,1,2-Trichloroethane
 Concen: 48.03 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion:	97	Resp:	114773
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	57.7	46.4	69.6
99	65.3	50.2	75.2

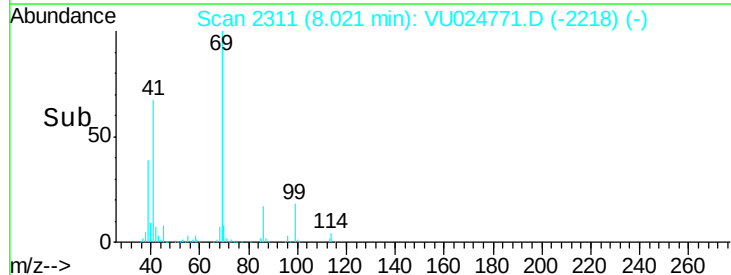
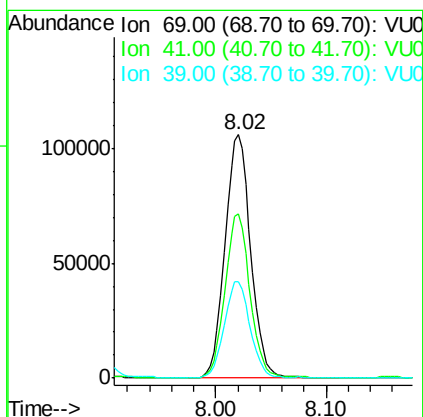
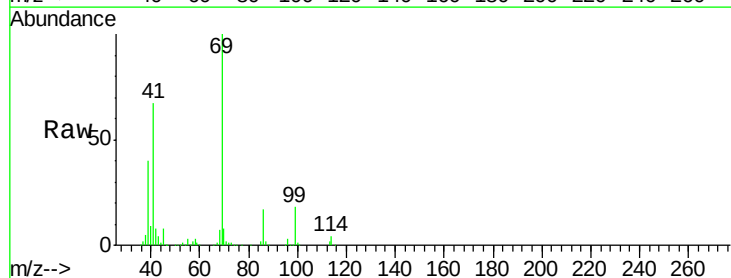
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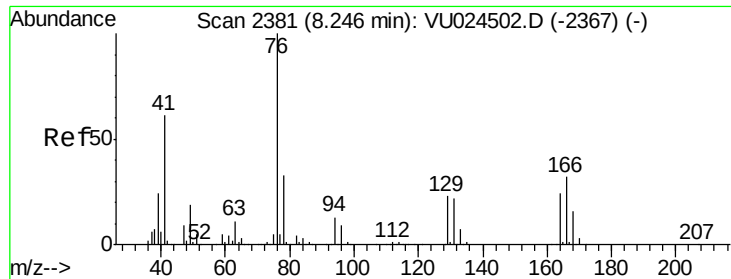
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#56
 Ethyl methacrylate
 Concen: 42.86 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion:	69	Resp:	171436
Ion	Ratio	Lower	Upper
69	100		
41	65.3	54.1	81.1
39	39.3	30.3	45.5





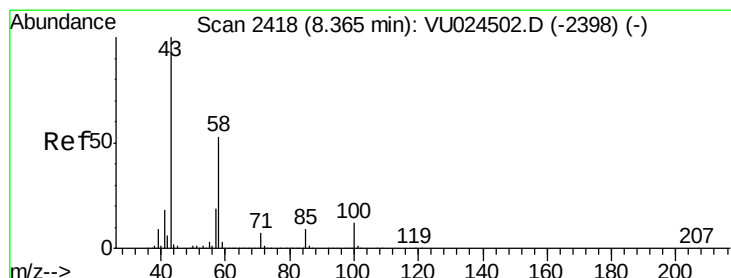
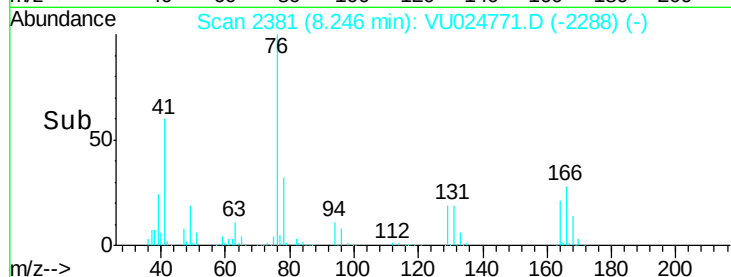
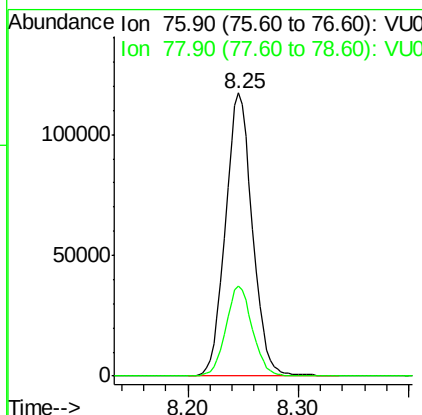
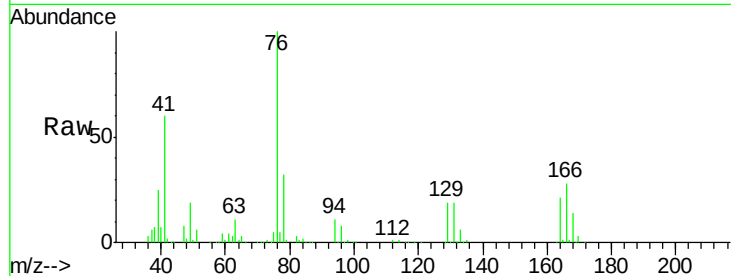
#57
 1,3-Dichloropropane
 Concen: 49.31 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampled :
 TPTW-04MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.2	37.8

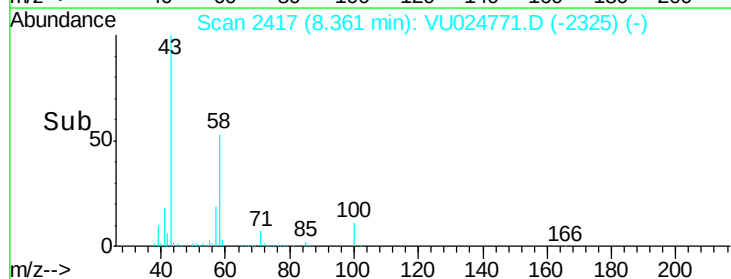
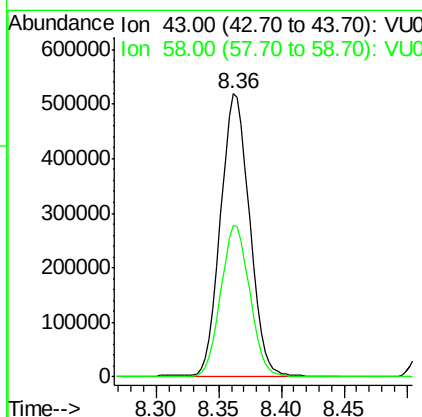
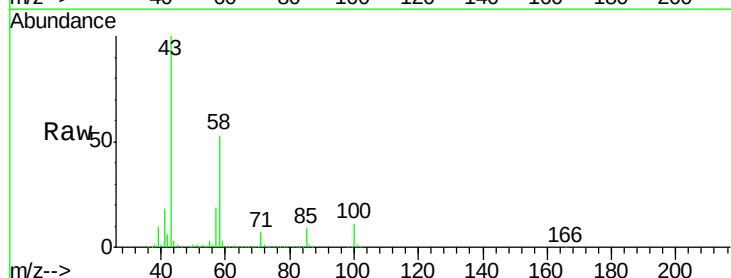
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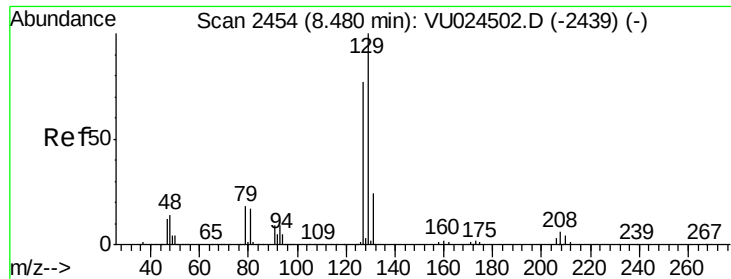
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#59
 2-Hexanone
 Concen: 268.07 ug/l
 RT: 8.36 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.4	79.0





#60

Dibromochloromethane

Concen: 46.41 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

Tot Ion:129 Resp: 138311

Ion Ratio Lower Upper

129 100

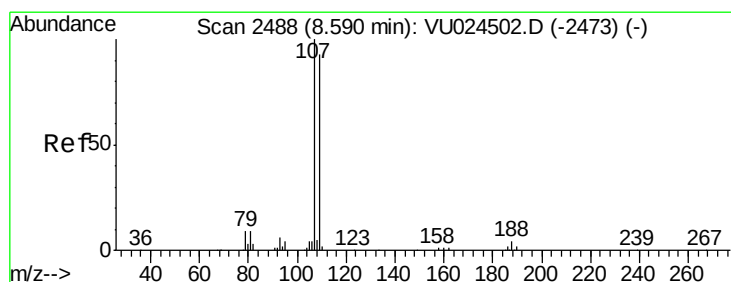
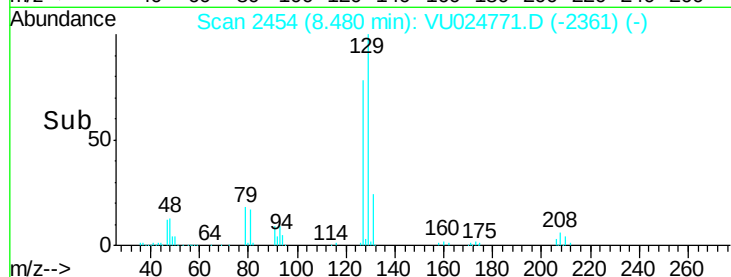
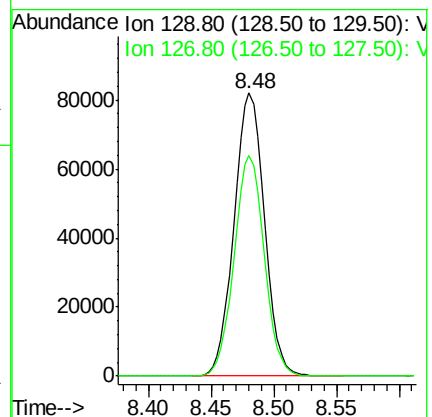
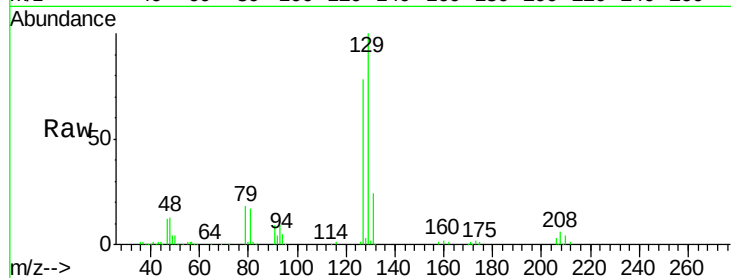
127 77.2 38.6 116.0

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#61

1,2-Dibromoethane

Concen: 49.19 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024771.D

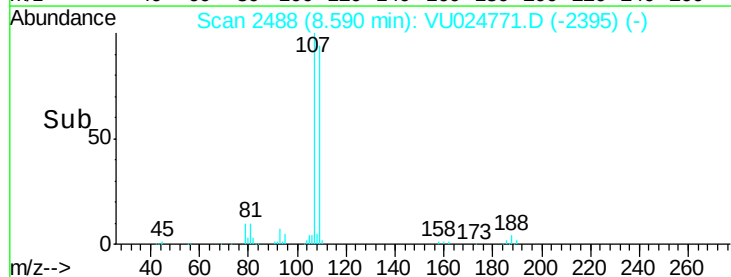
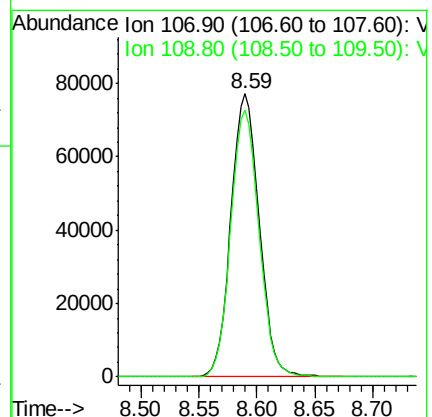
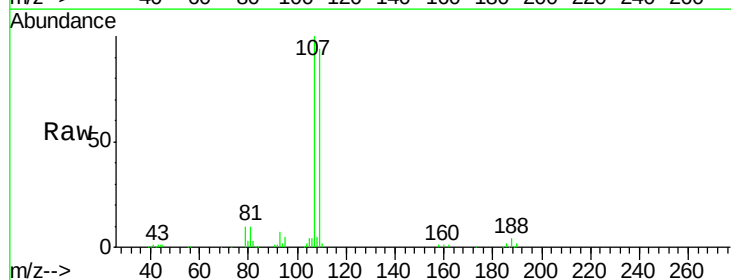
Acq: 20 Jun 2018 20:46

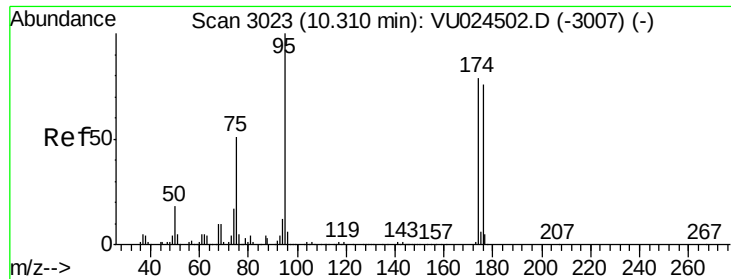
Tgt Ion:107 Resp: 130852

Ion Ratio Lower Upper

107 100

109 94.1 74.5 111.7





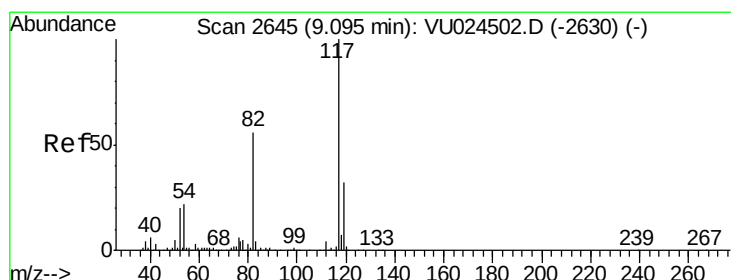
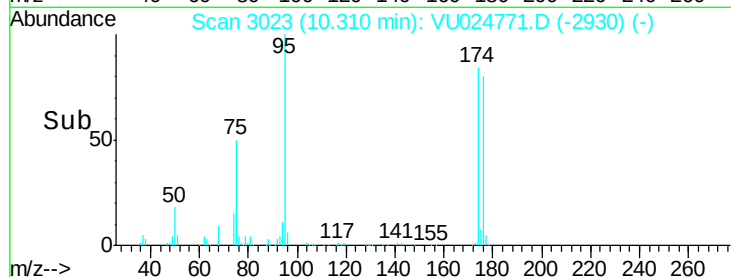
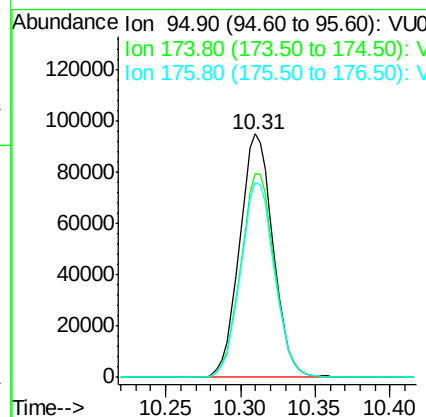
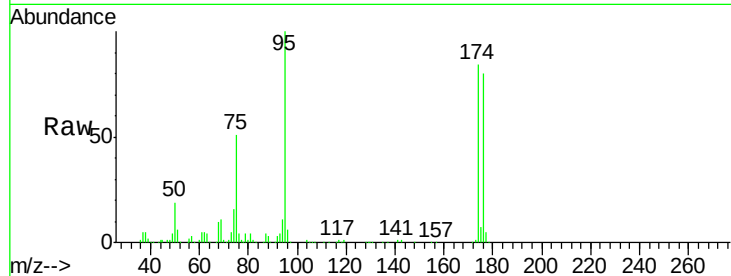
#62
4-Bromofluorobenzene
Concen: 45.17 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampled :
TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	148176		
174	84.6	0.0	165.8	
176	81.0	0.0	159.4	

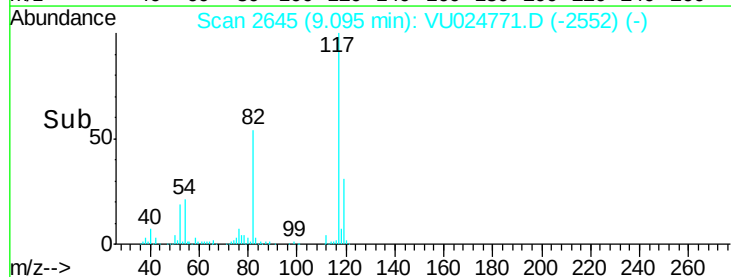
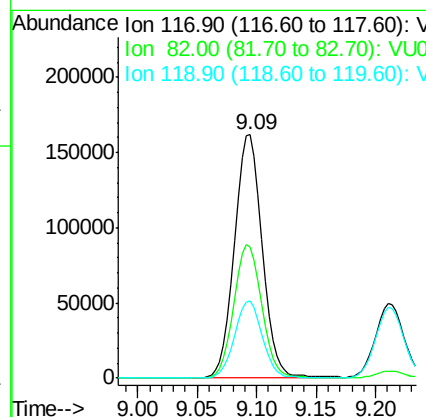
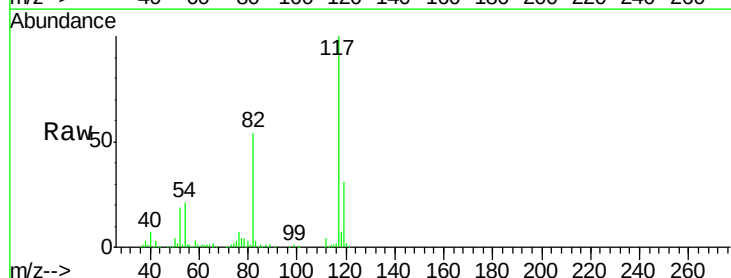
Manual Integrations
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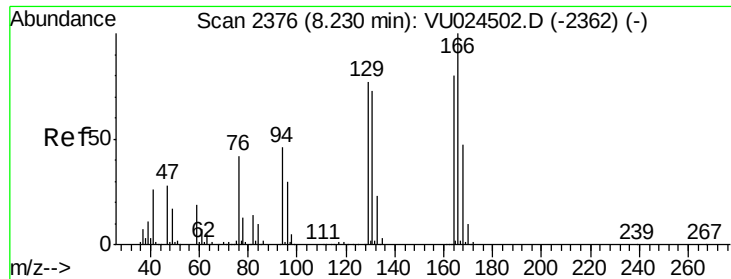
apatel
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	263540		
82	54.0	44.3	66.5	
119	31.5	25.4	38.2	





#64

Tetrachloroethene

Concen: 39.10 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

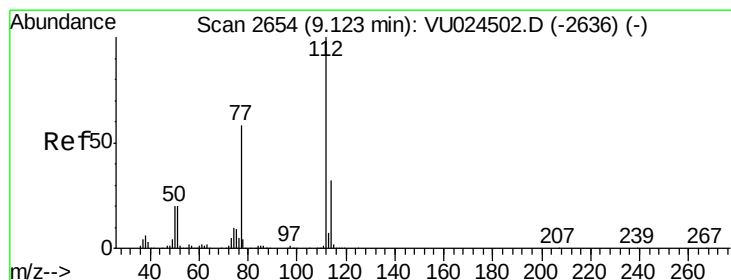
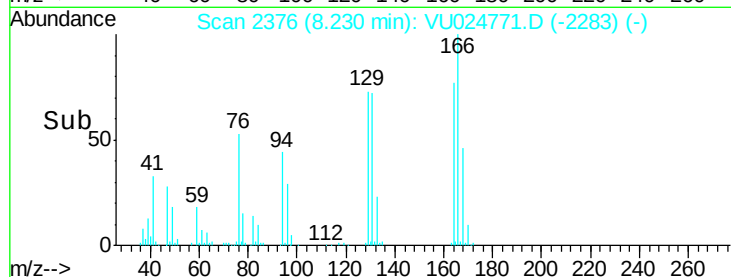
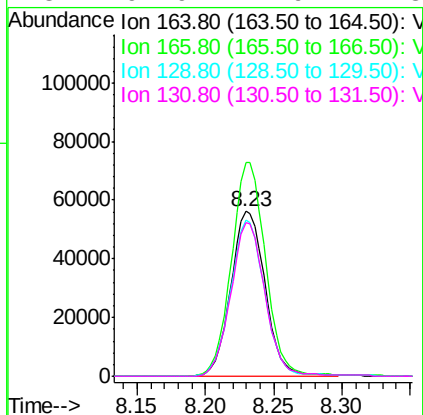
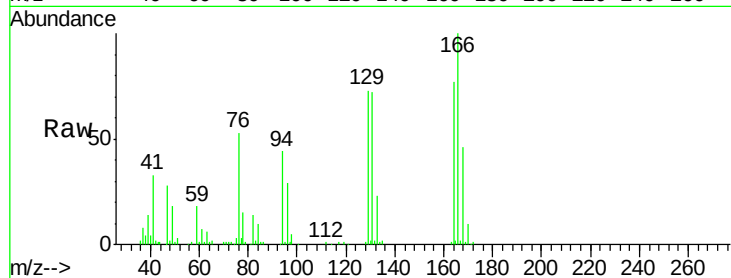
ClientSampleId :

TPTW-04MS

Tot Ion:	164	Resp:	97941
Ion	Ratio	Lower	Upper
164	100		
166	129.2	101.7	152.5
129	94.5	76.9	115.3
131	92.9	74.9	112.3

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#65

Chlorobenzene

Concen: 46.29 ug/l

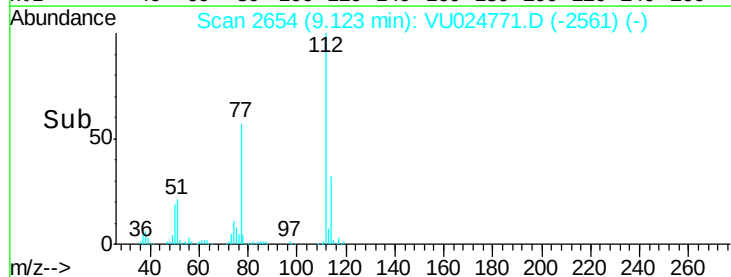
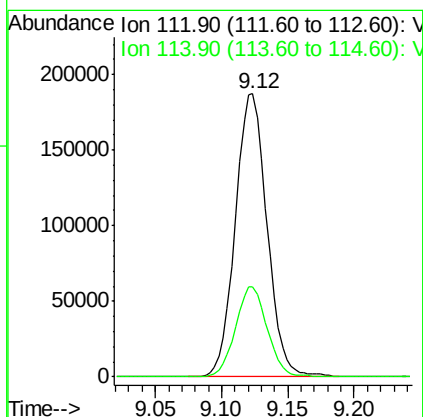
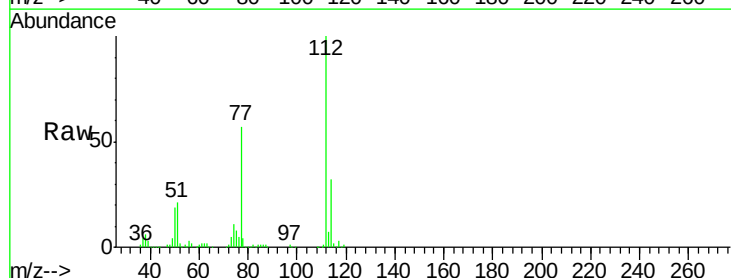
RT: 9.12 min Scan# 2654

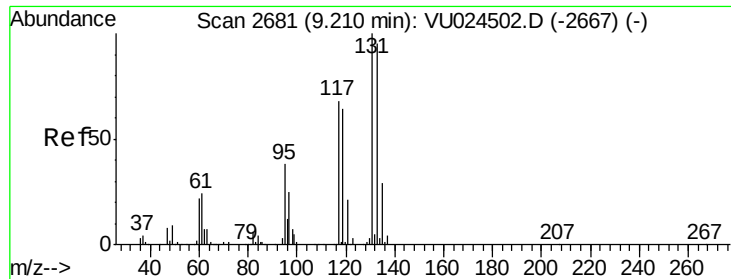
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	112	Resp:	311644
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 46.86 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

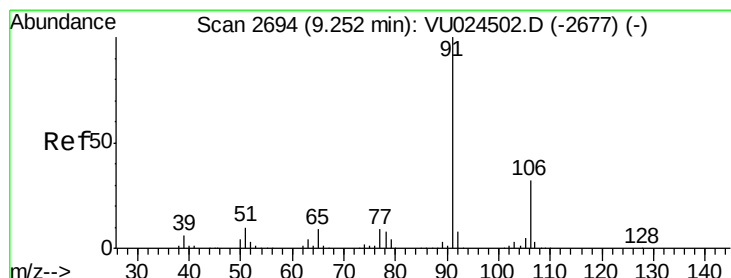
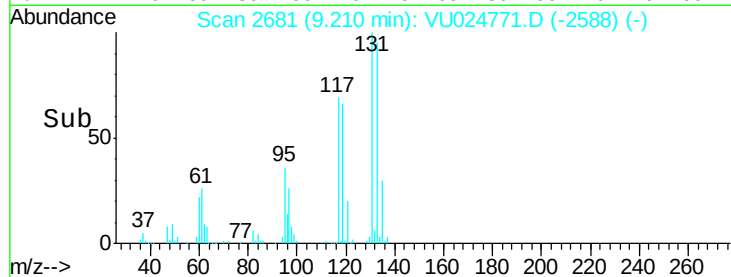
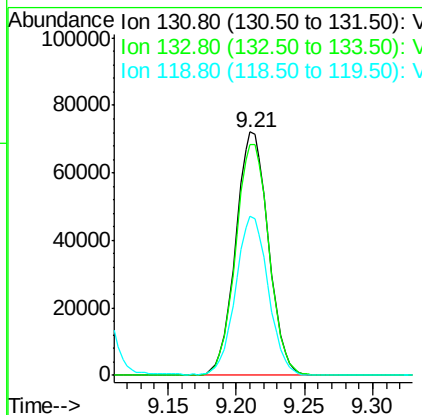
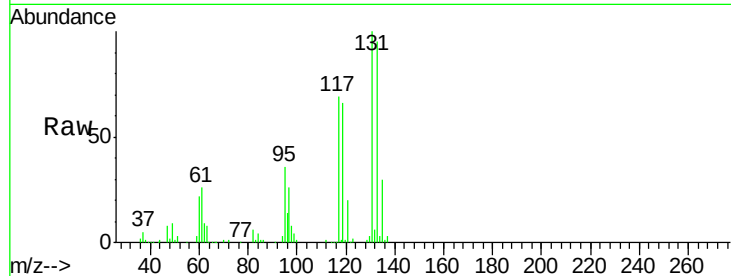
ClientSampleId :

TPTW-04MS

Tot Ion:	131	Resp:	119870
Ion Ratio	Lower	Upper	
131	100		
133	96.6	46.9	140.8
119	65.2	33.5	100.4

Manual Integrations
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#67

Ethyl Benzene

Concen: 45.70 ug/l

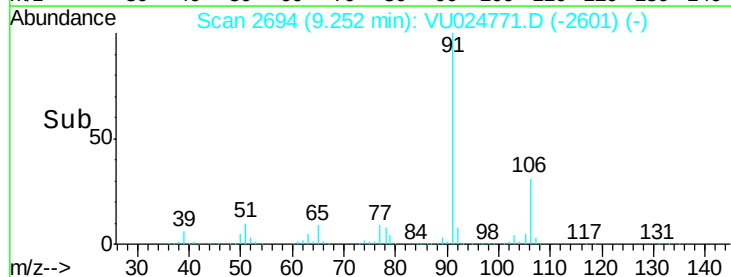
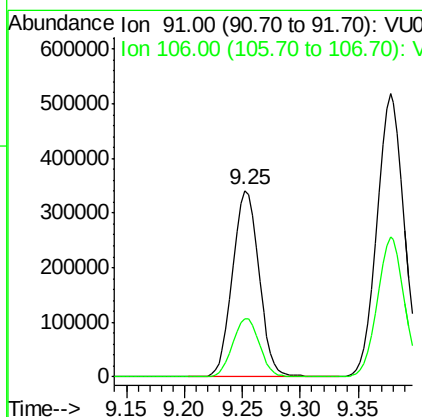
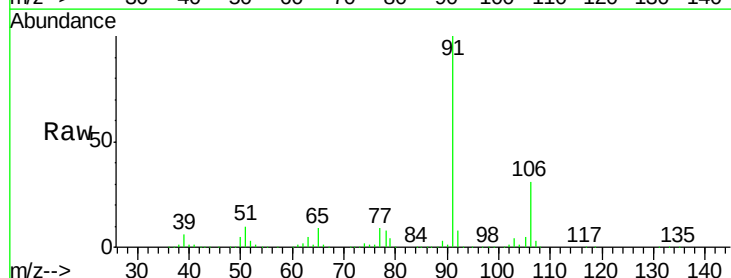
RT: 9.25 min Scan# 2694

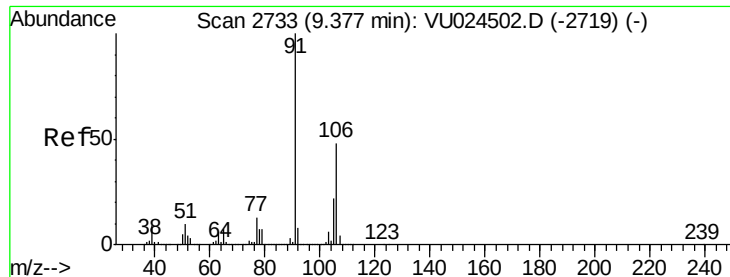
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	91	Resp:	539356
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.2	36.4





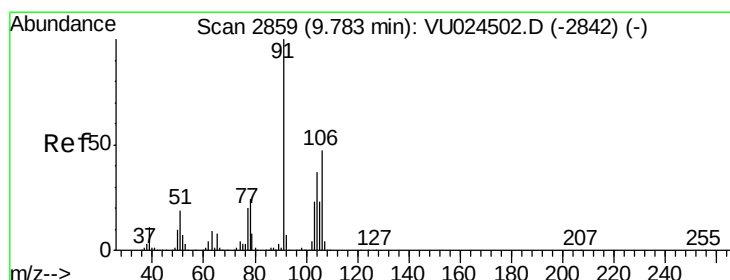
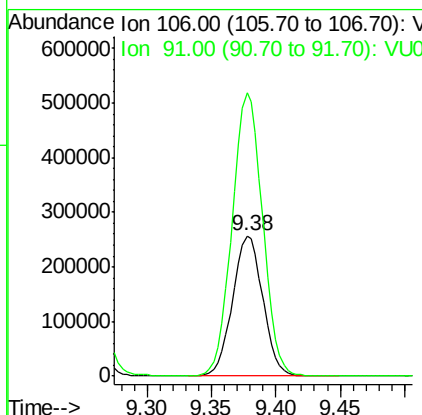
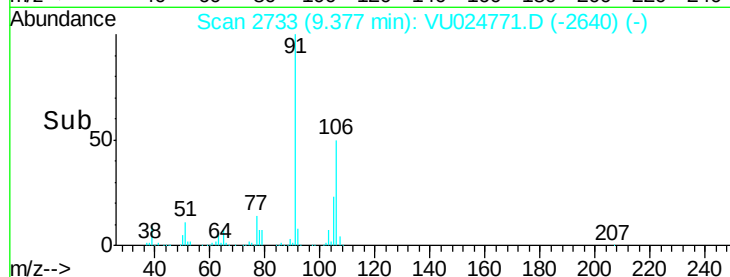
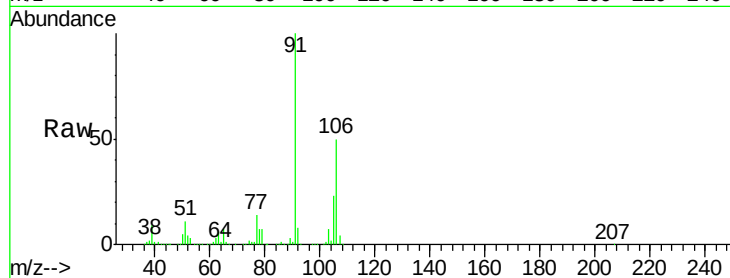
#68
m/p-Xylenes
Concen: 92.01 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampled :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.2	166.5	249.7

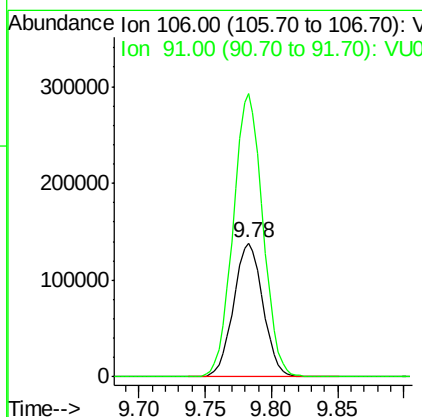
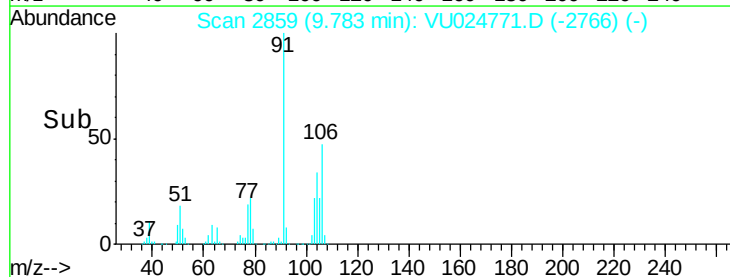
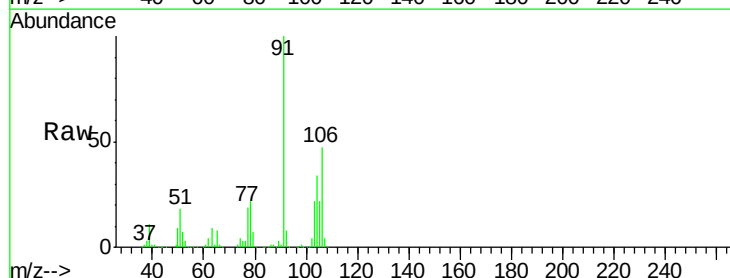
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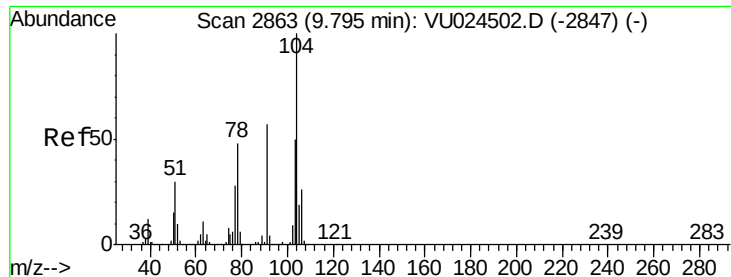
apatel
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#69
o-Xylene
Concen: 47.55 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.9	110.7	331.9





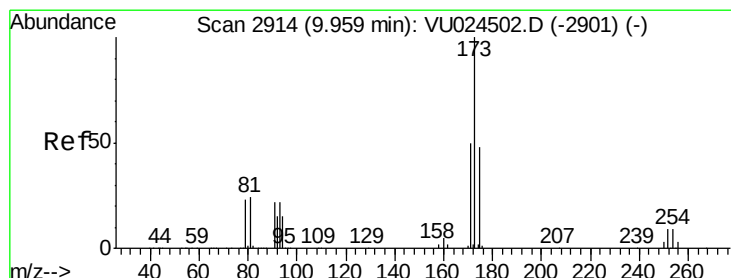
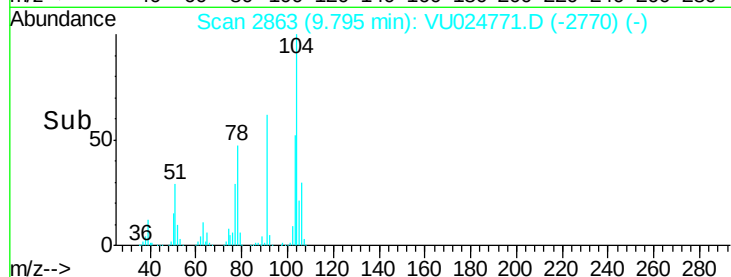
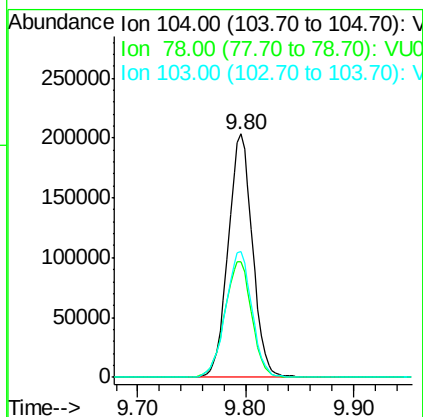
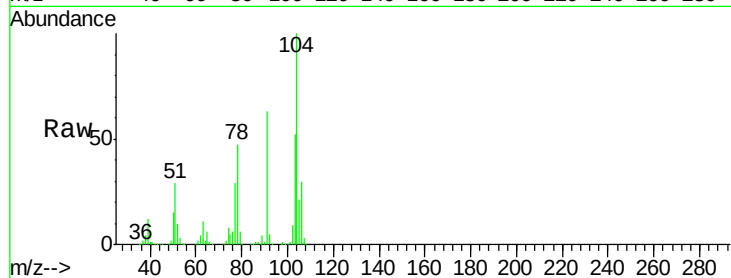
#70
Stvrene
Concen: 43.34 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampled :
TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	319491		
78	52.5		40.6	60.8
103	55.8		44.7	67.1

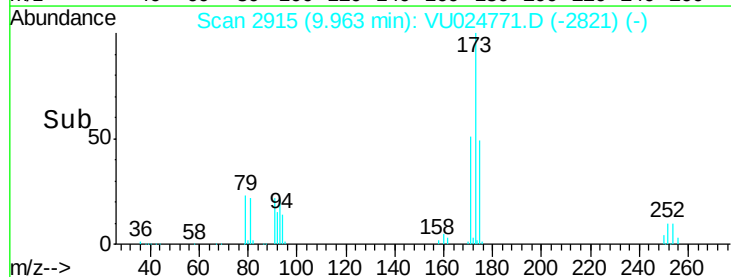
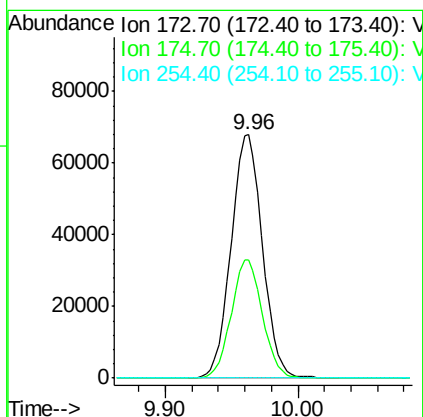
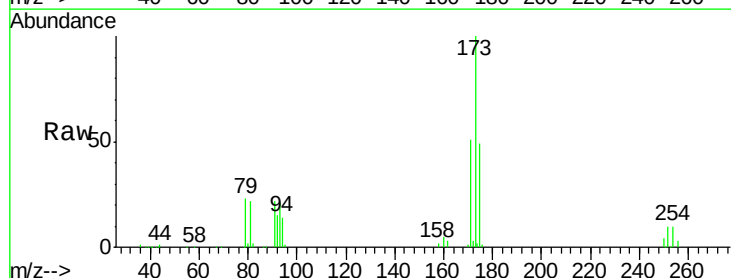
Manual Integrations
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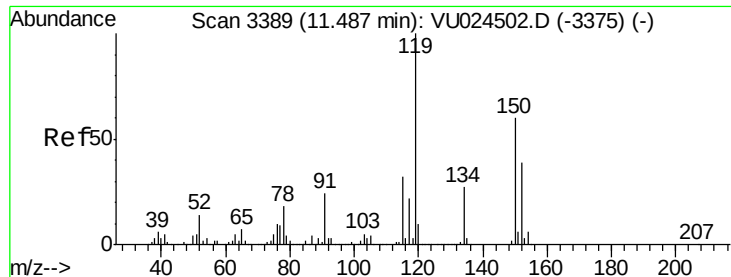
apatel
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#71
Bromoform
Concen: 45.78 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	111298		
175	48.3		24.6	74.0
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

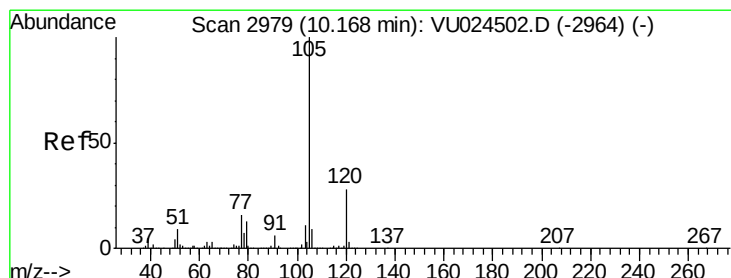
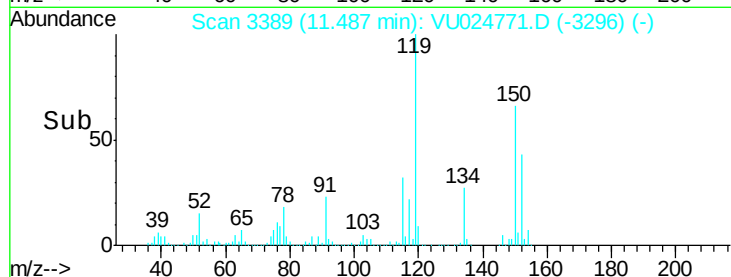
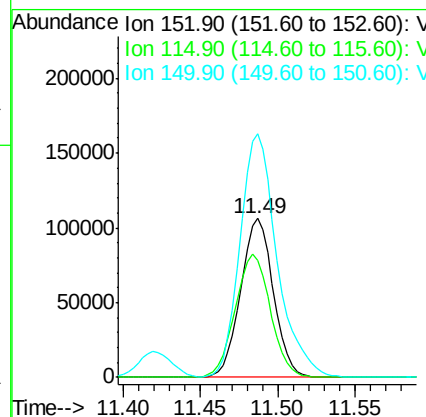
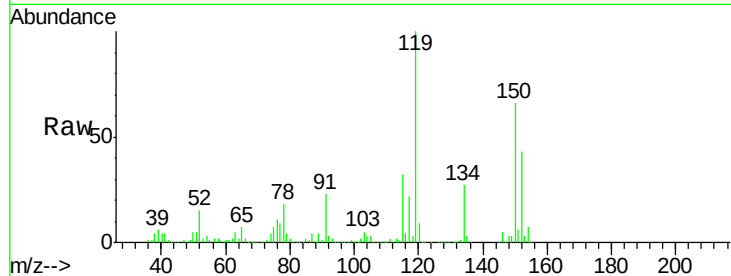
ClientSampleId :

TPTW-04MS

Tot Ion:	152	Resp:	155655
Ion Ratio	Lower	Upper	
152	100		
115	83.4	43.0	129.0
150	174.2	0.0	354.0

Manual Integrations
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#73

Isopropylbenzene

Concen: 46.36 ug/l

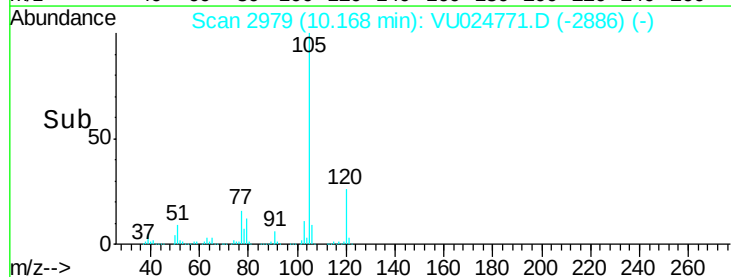
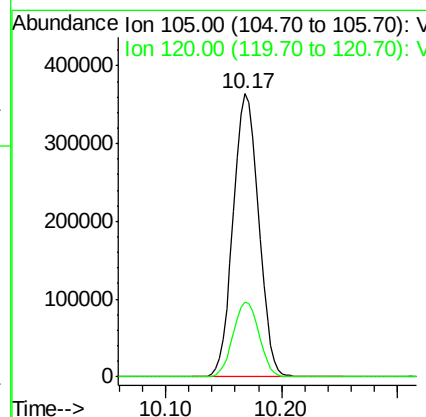
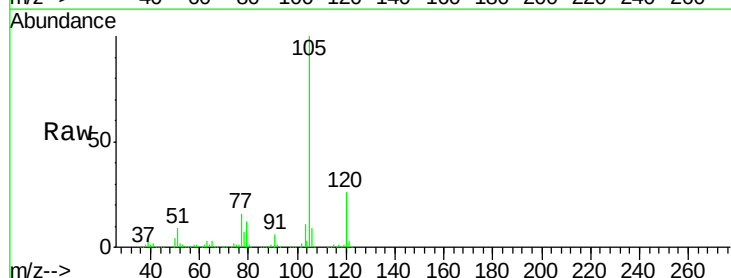
RT: 10.17 min Scan# 2979

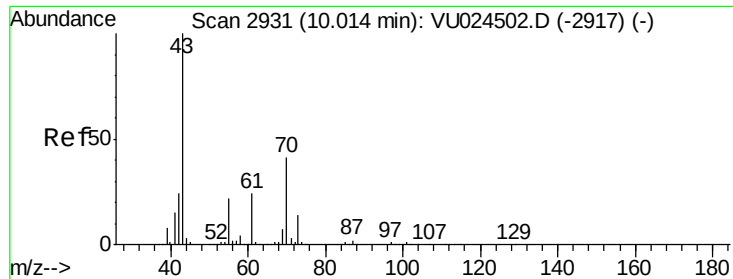
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion:	105	Resp:	553974
Ion Ratio	Lower	Upper	
105	100		
120	26.9	13.2	39.6





#74

N-amvl acetate

Concen: 51.13 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

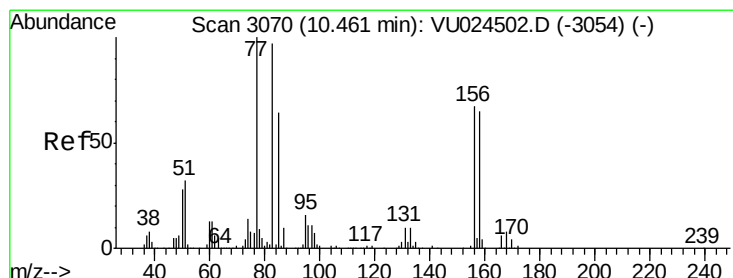
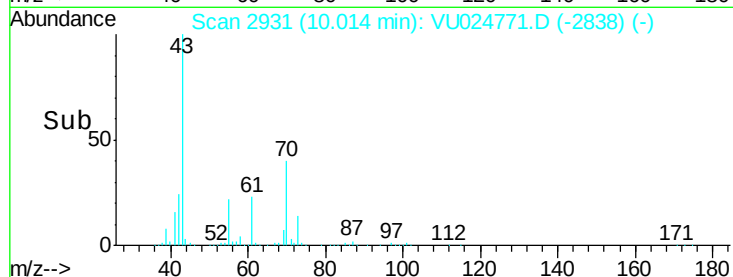
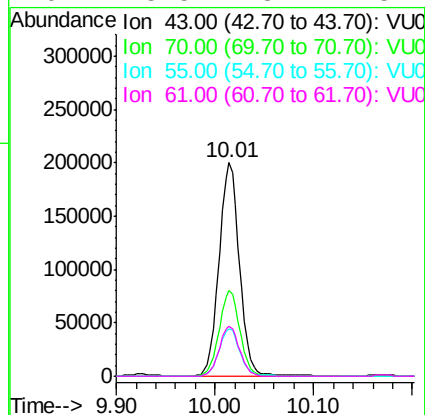
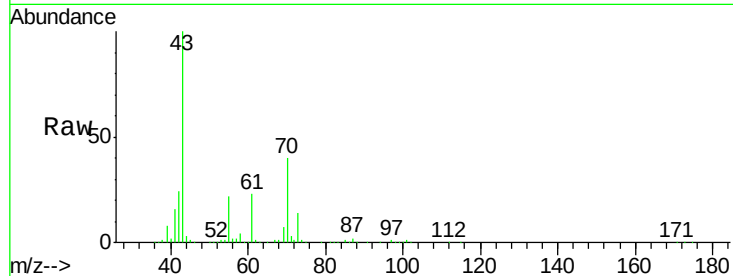
ClientSampled :

TPTW-04MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	40.5	32.2	48.4	
55	22.5	20.5	30.7	
61	23.5	18.7	28.1	

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#75

1,1,2,2-Tetrachloroethane

Concen: 51.37 ug/l

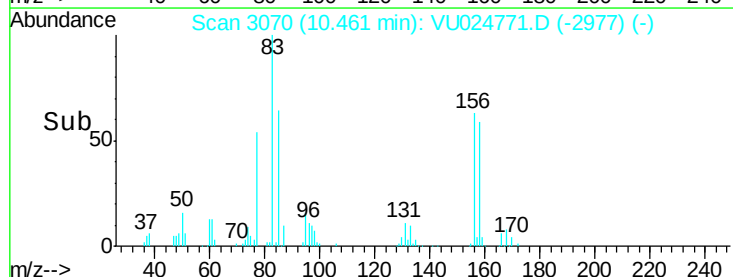
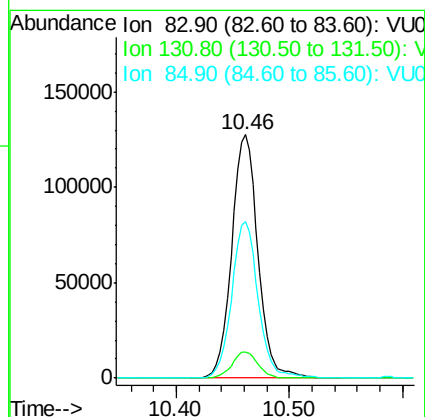
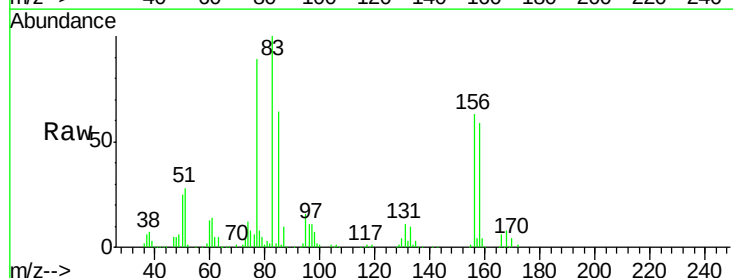
RT: 10.46 min Scan# 3070

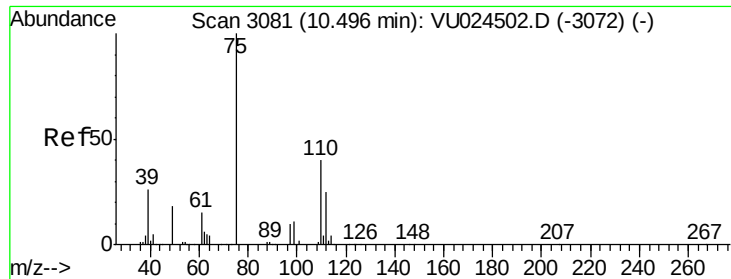
Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.5	4.7	14.1	
85	64.9	32.5	97.5	





#76

1,2,3-Trichloropropane

Concen: 50.53 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

TPTW-04MS

Tot Ion: 75 Resp: 173151

Ion Ratio Lower Upper

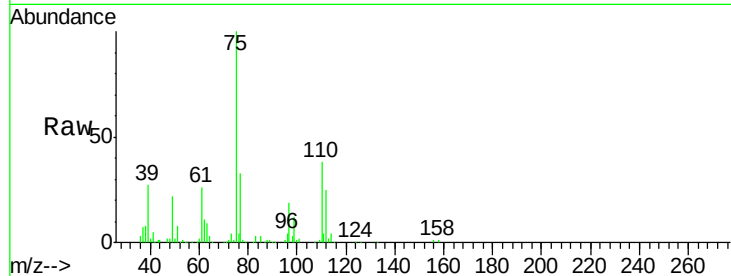
75 100

77 42.3 20.9 62.7

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Abundance Ion 74.90 (74.60 to 75.60): VU024771.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024771.D (-2988) (-)

150000

100000

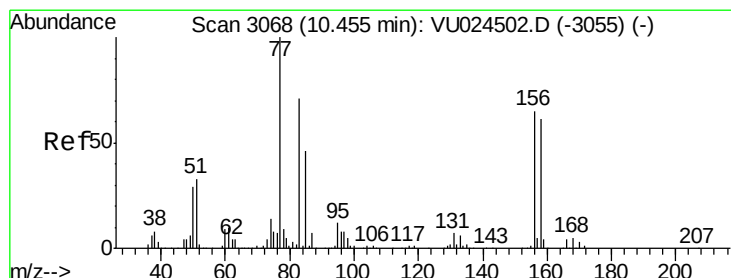
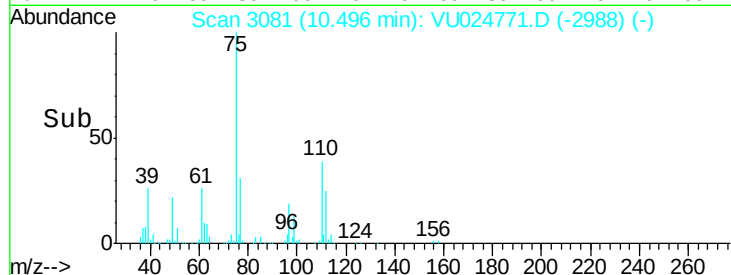
50000

0

10.45

10.50

Time-->



#77

Bromobenzene

Concen: 47.40 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

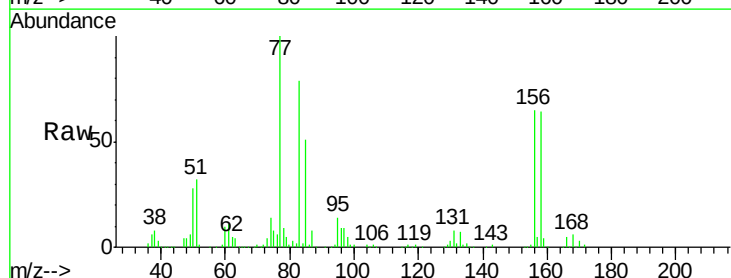
Tgt Ion: 156 Resp: 143399

Ion Ratio Lower Upper

156 100

77 152.1 80.5 241.3

158 97.1 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VU024771.D (-2975) (-)

Ion 77.00 (76.70 to 77.70): VU024771.D (-2975) (-)

Ion 157.80 (157.50 to 158.50): VU024771.D (-2975) (-)

150000

100000

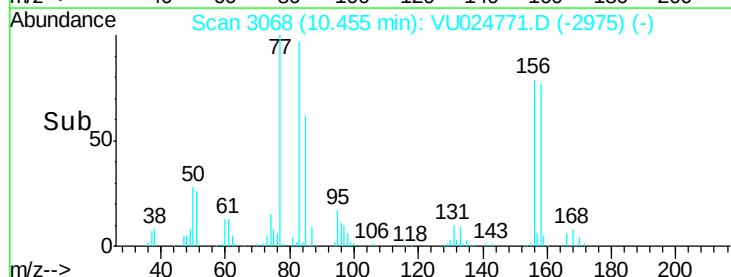
50000

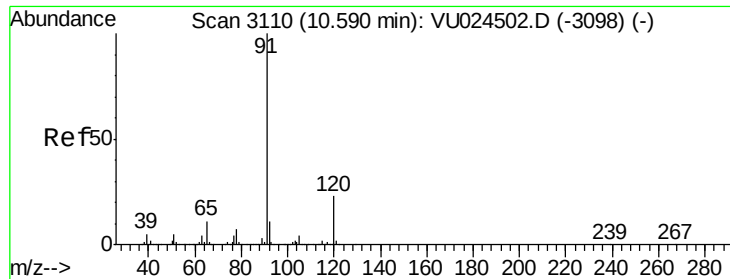
0

10.40

10.45

Time-->





#78

n-propylbenzene

Concen: 44.48 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04MS

Tot Ion: 91 Resp: 626132

Ion Ratio Lower Upper

91 100

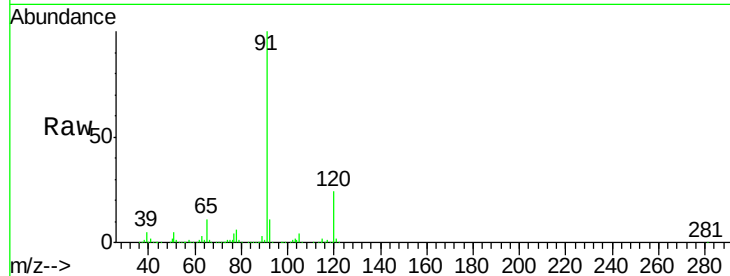
120 24.0 11.2 33.5

Manual Integrations

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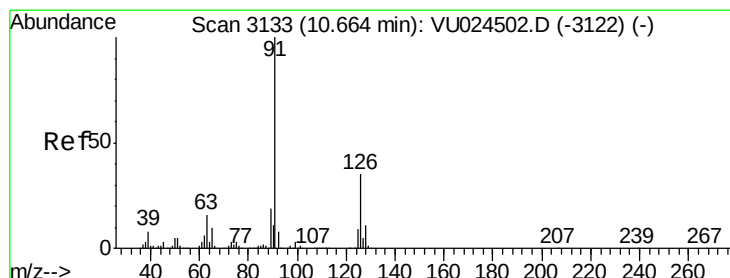
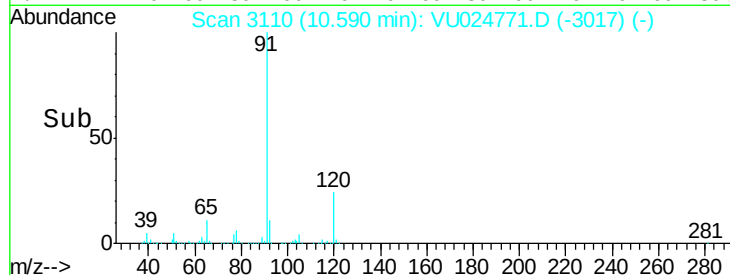
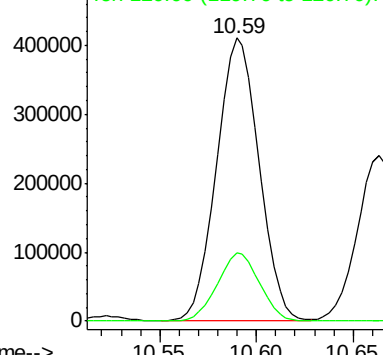
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 45.22 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024771.D

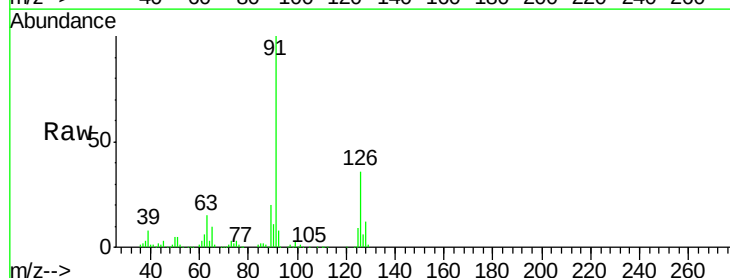
Acq: 20 Jun 2018 20:46

Tgt Ion: 91 Resp: 375436

Ion Ratio Lower Upper

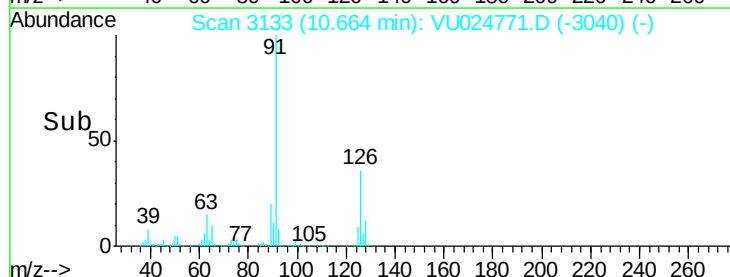
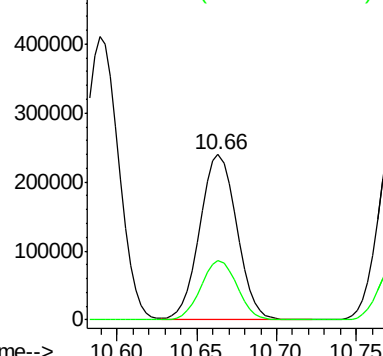
91 100

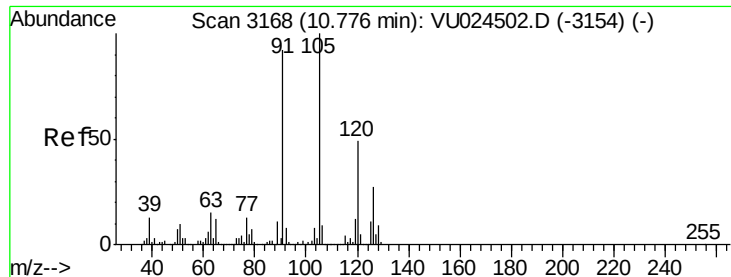
126 35.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





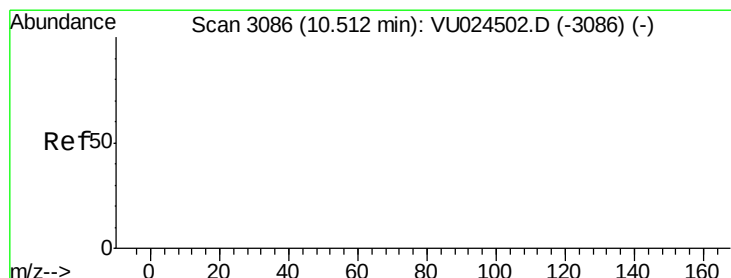
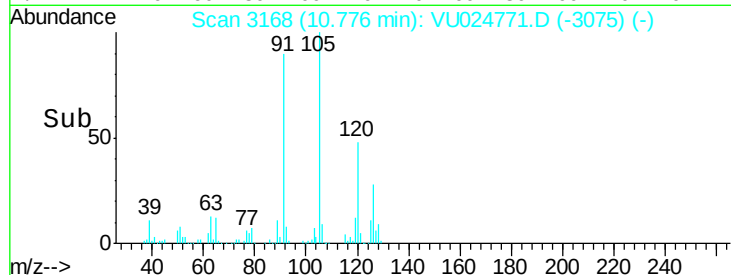
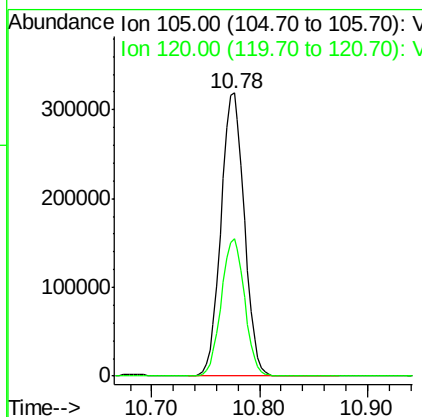
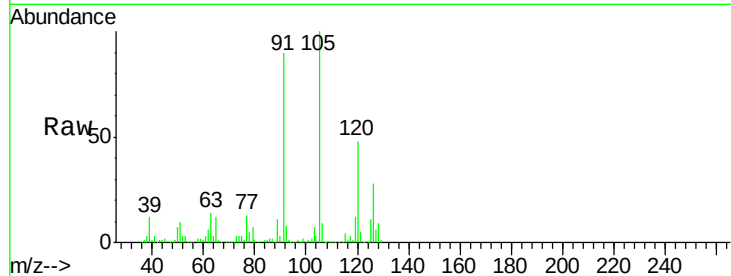
#80
 1,3,5-Trimethylbenzene
 Concen: 46.26 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion: 105 Resp: 479140
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2

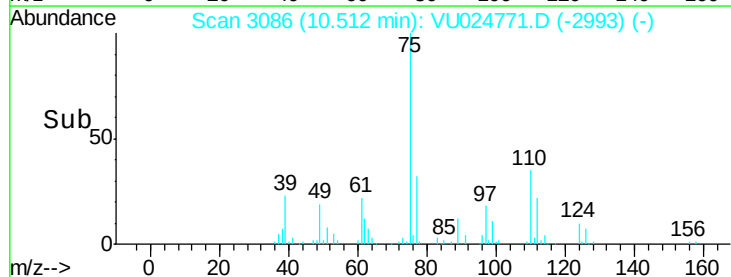
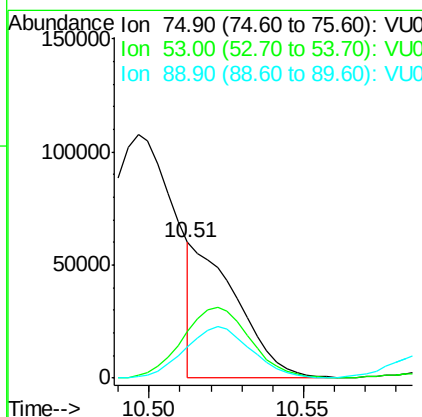
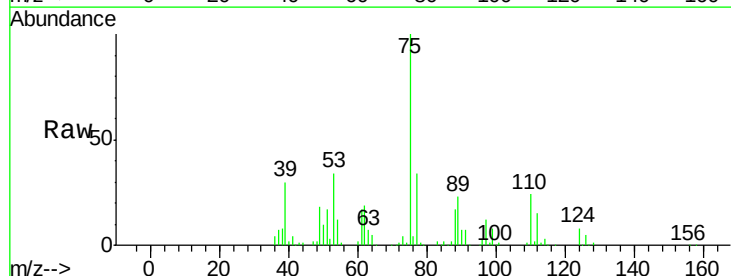
Manual Integrations
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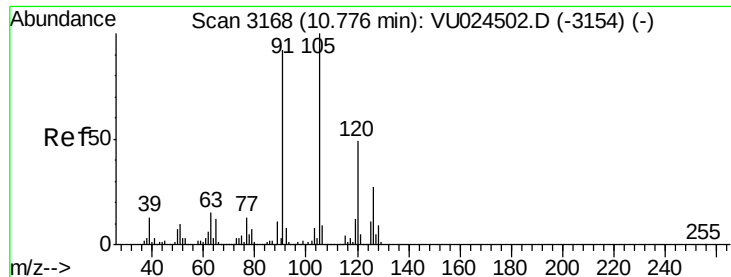
apatel
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.15 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion: 75 Resp: 59454
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 45.50 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

ClientSampled :

TPTW-04MS

Tot Ion: 91 Resp: 439671

Ion Ratio Lower Upper

91 100

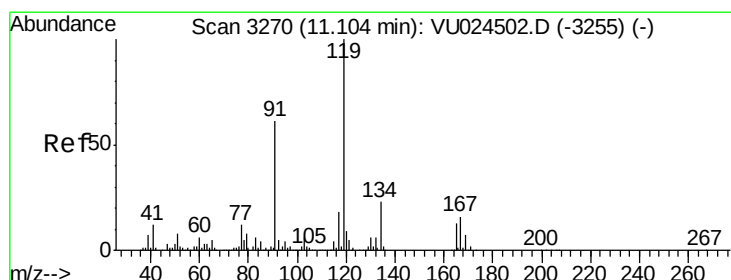
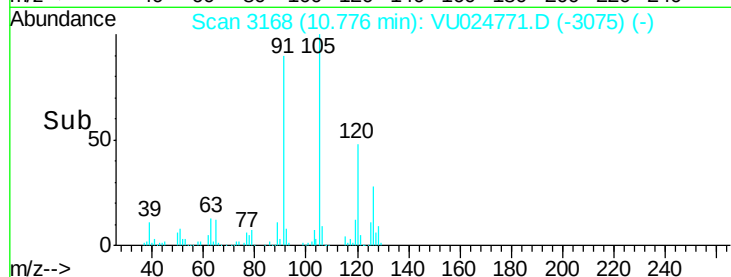
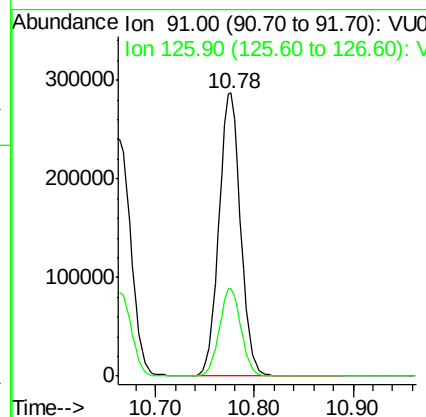
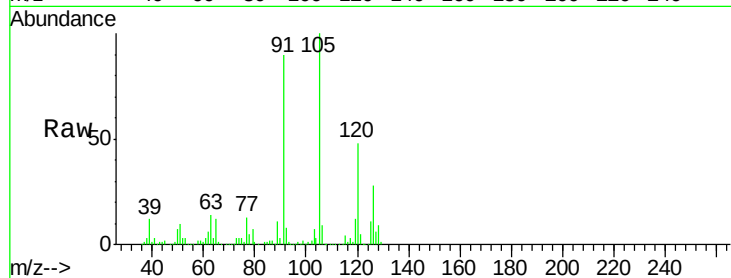
126 31.0 14.9 44.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 47.81 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

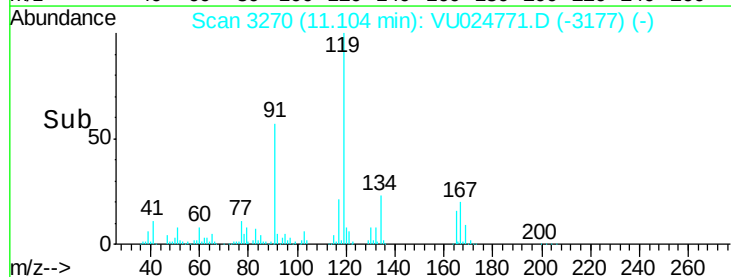
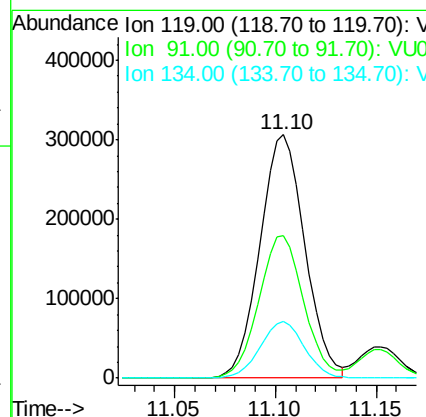
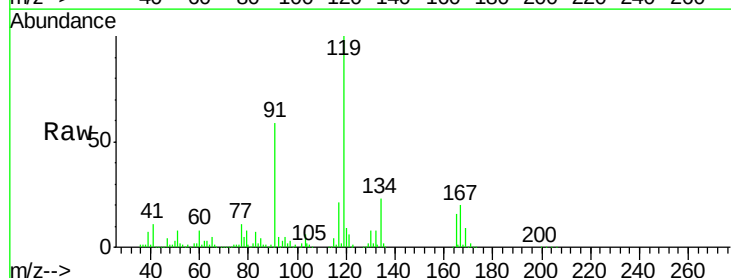
Tgt Ion: 119 Resp: 476373

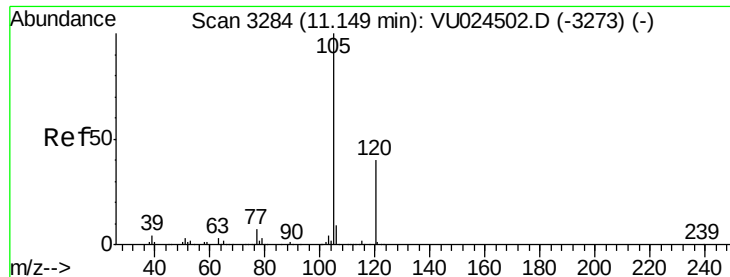
Ion Ratio Lower Upper

119 100

91 58.4 29.7 89.1

134 23.0 11.6 34.7





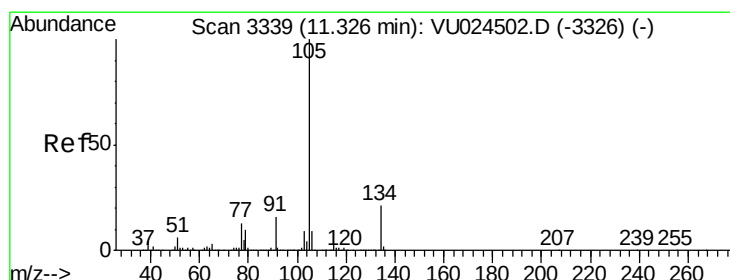
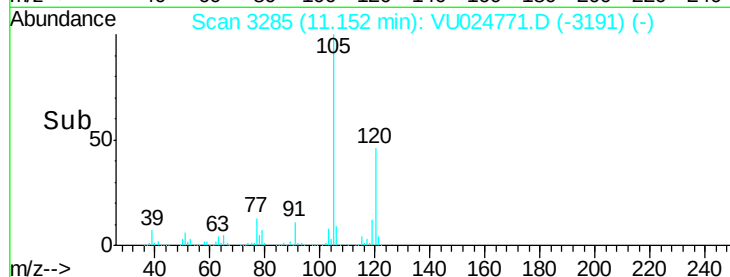
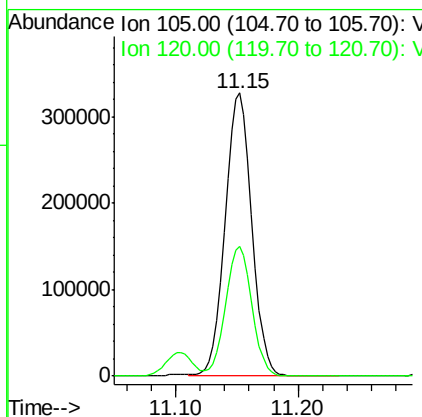
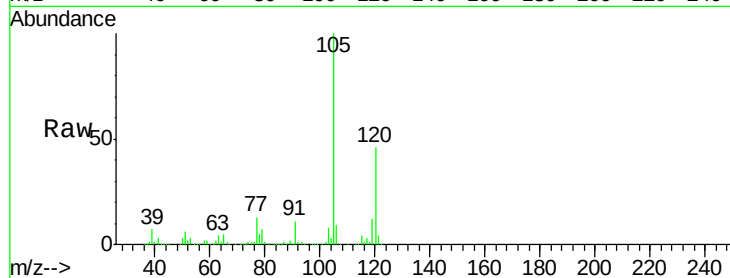
#84
1,2,4-Trimethylbenzene
Concen: 47.56 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.8

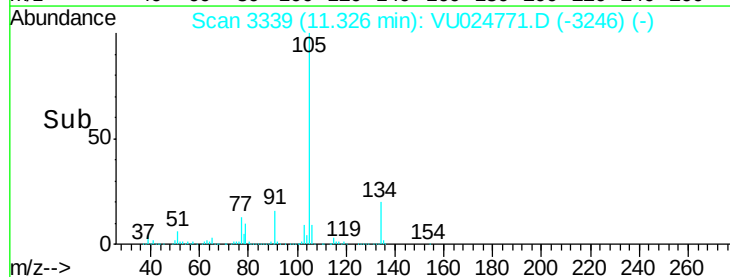
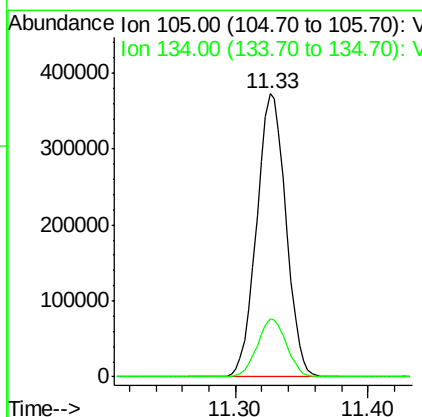
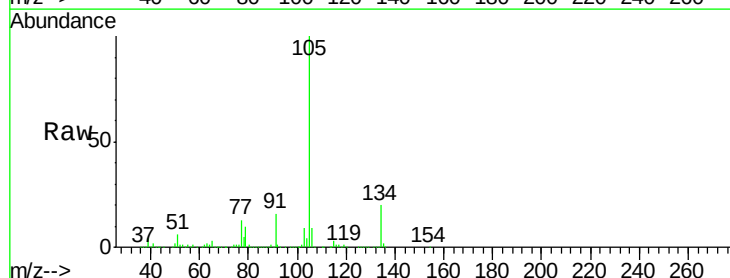
Manual Integrations
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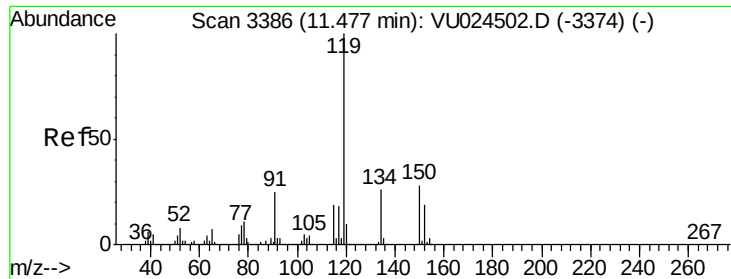
apatel
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#85
sec-Butylbenzene
Concen: 45.71 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.7	29.1





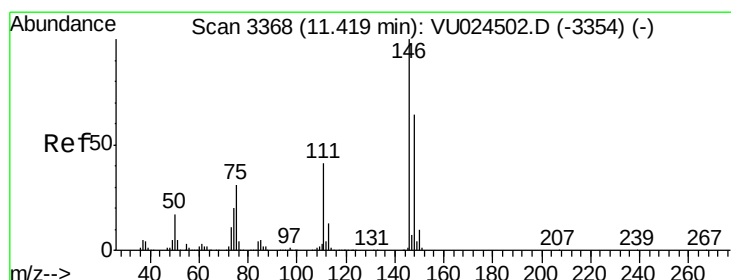
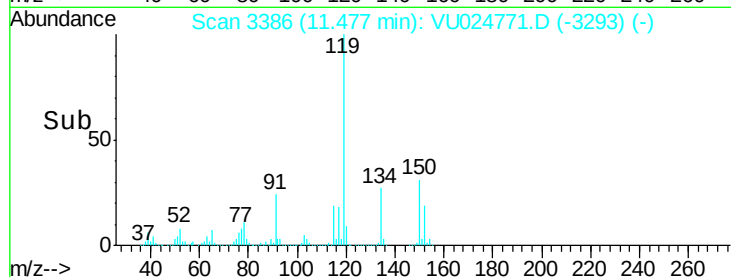
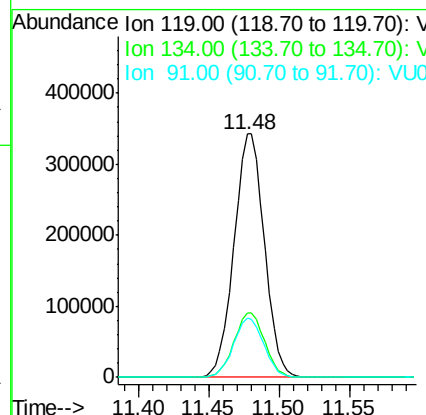
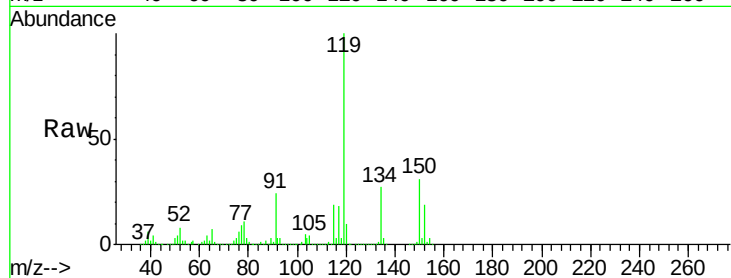
#86
 p-Isopropyltoluene
 Concen: 46.10 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	514978		
134	26.6		12.9	38.6
91	24.4		12.0	36.1

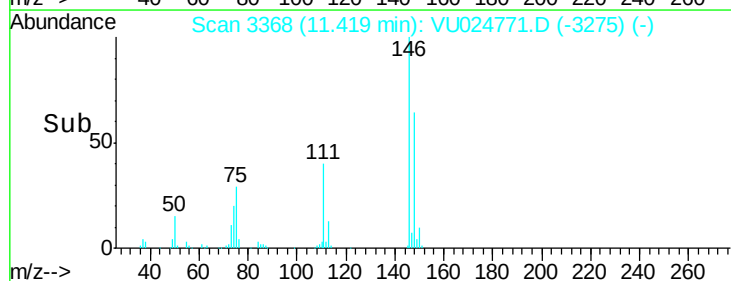
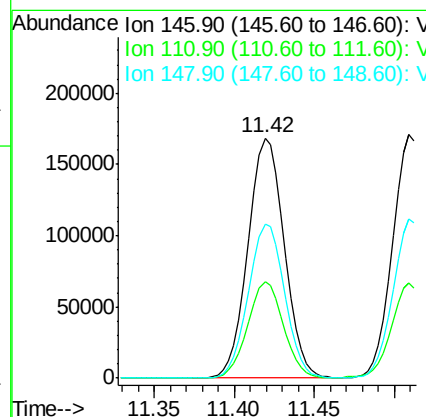
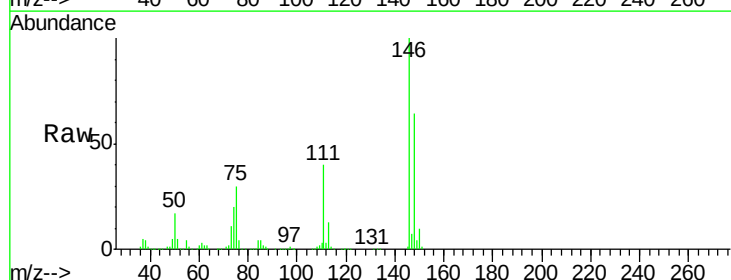
Manual Integrations
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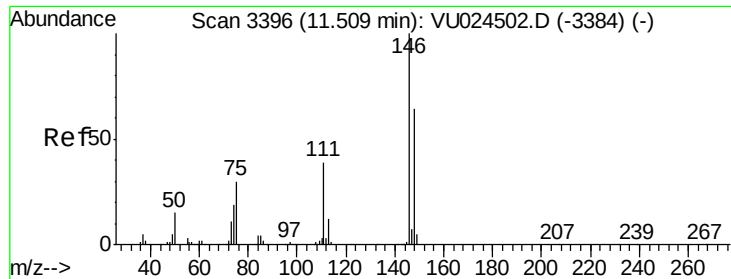
apatel
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#87
 1,3-Dichlorobenzene
 Concen: 46.45 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	259655		
111	39.6		20.0	60.0
148	64.2		32.1	96.5





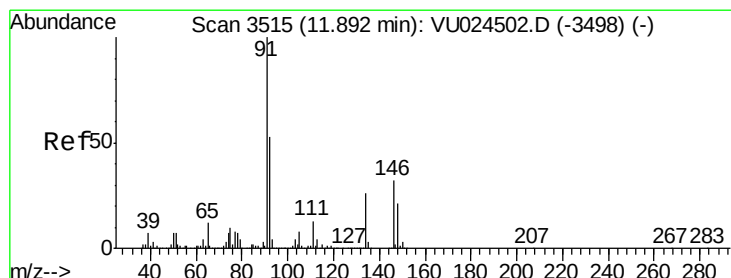
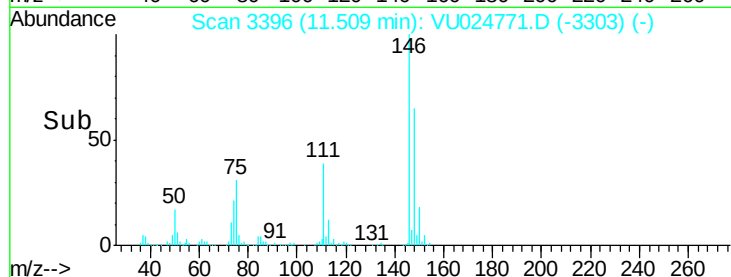
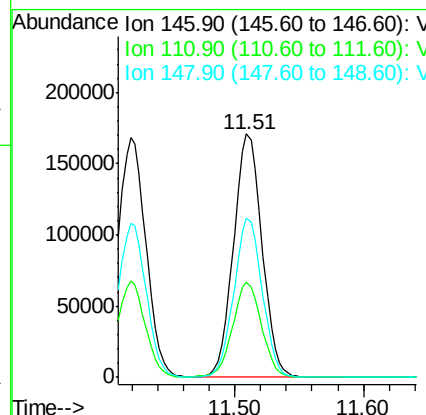
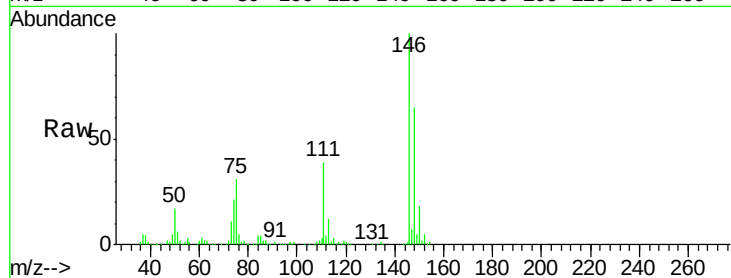
#88
 1,4-Dichlorobenzene
 Concen: 46.53 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	261795		
111	39.8	19.5	58.5	
148	64.8	32.4	97.0	

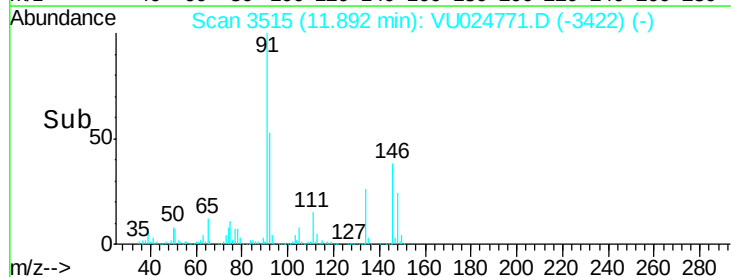
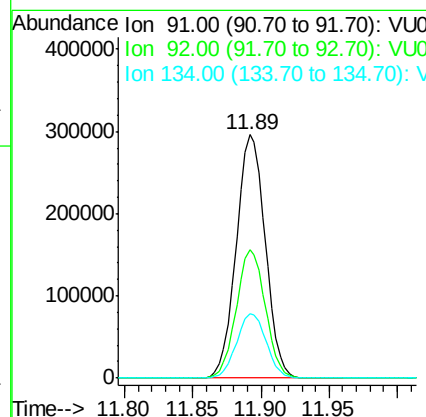
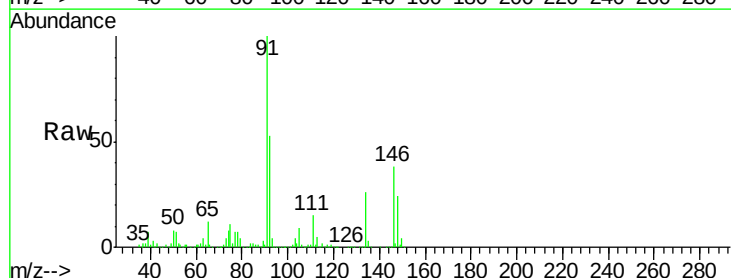
Manual Integrations
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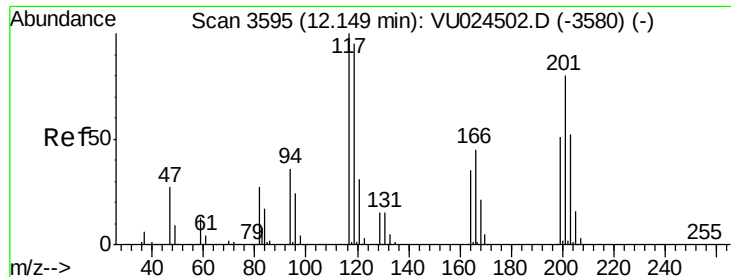
apatel
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#89
 n-Butylbenzene
 Concen: 44.12 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	437548		
92	52.7	25.6	76.8	
134	27.1	12.3	36.8	





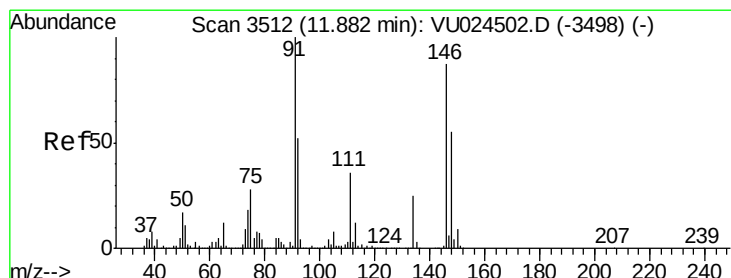
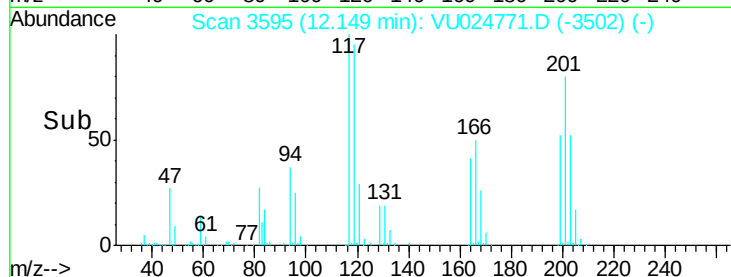
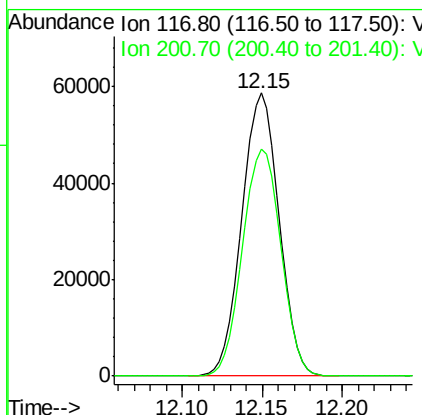
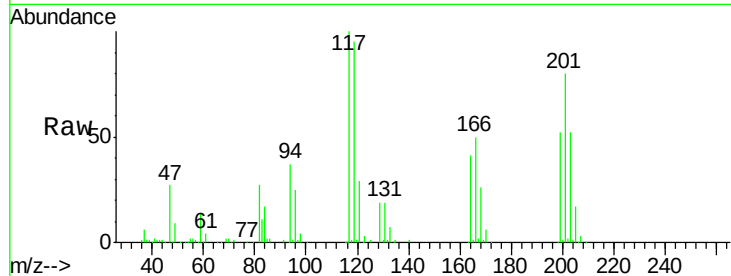
#90
Hexachloroethane
Concen: 42.73 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04MS

Tot Ion:117 Resp: 93109
Ion Ratio Lower Upper
117 100
201 82.9 41.1 123.3

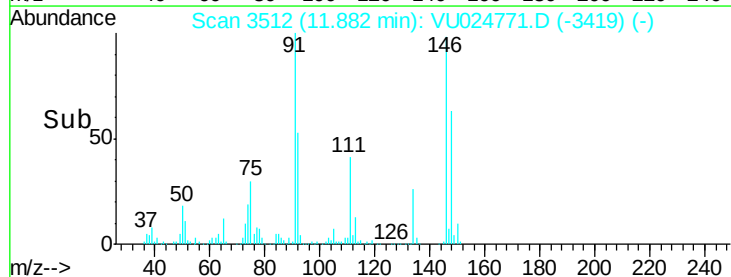
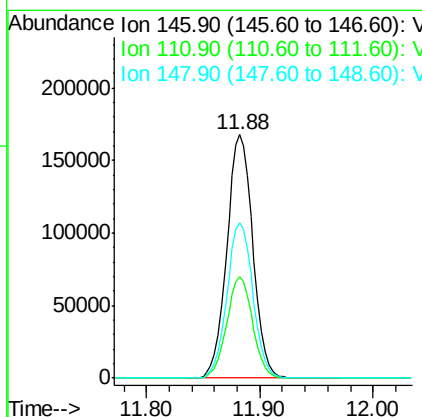
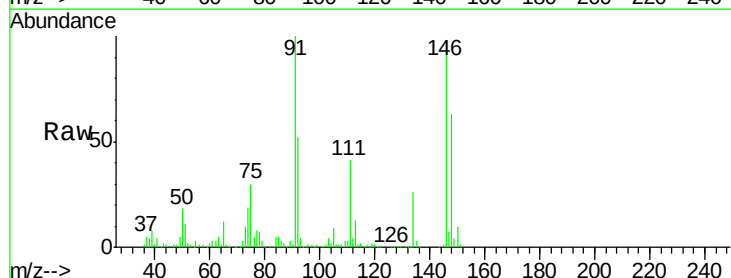
Manual Integrations
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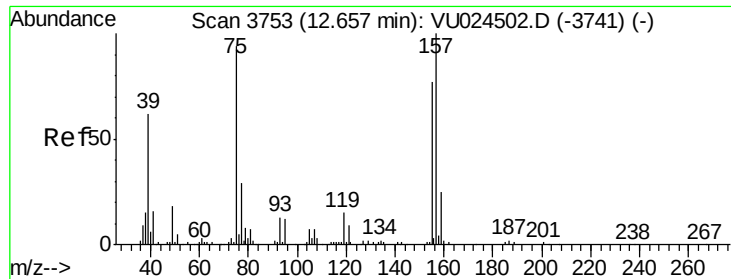
apatel
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#91
1,2-Dichlorobenzene
Concen: 47.62 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU024771.D
Acq: 20 Jun 2018 20:46

Tgt Ion:146 Resp: 266623
Ion Ratio Lower Upper
146 100
111 41.5 20.5 61.6
148 64.0 31.9 95.7





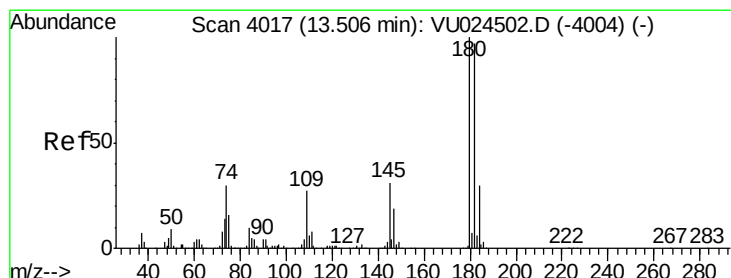
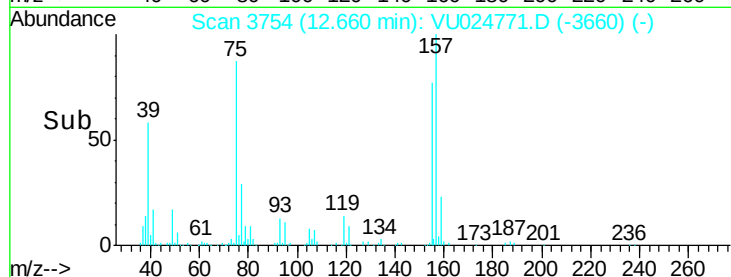
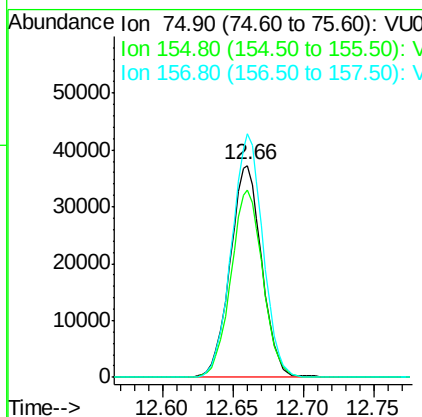
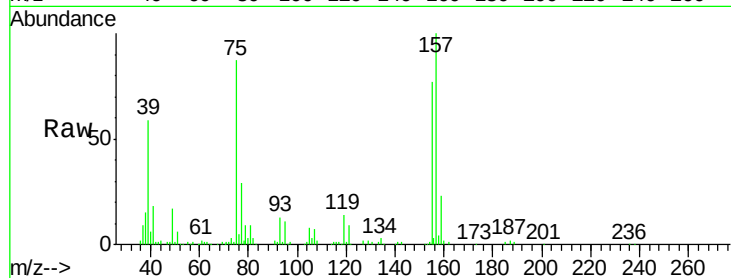
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.86 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampled :
 TPTW-04MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	88.6	40.4	121.2
157	113.2	52.3	156.8

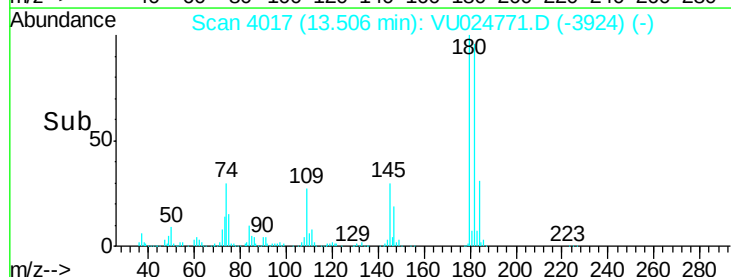
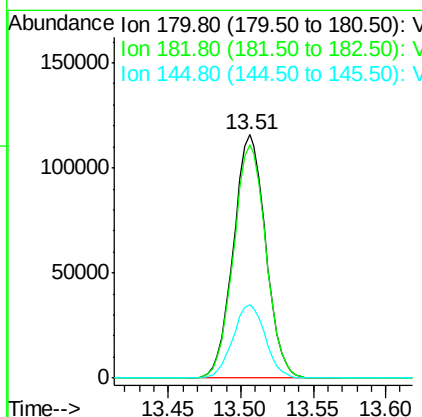
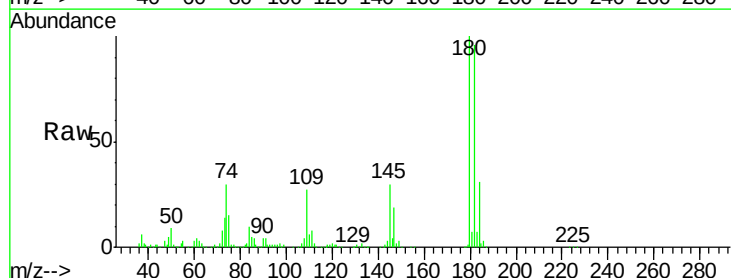
Manual Integrations
 APPROVED

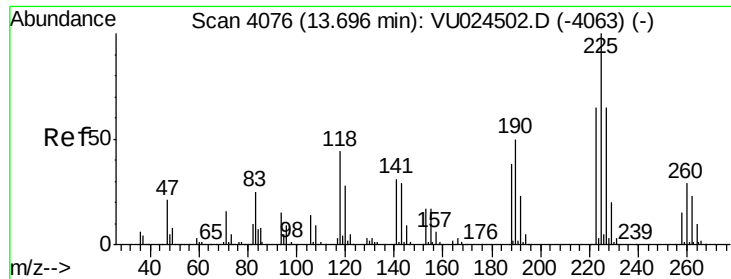
apatel
 6/21/2018 1:44:44 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.64 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.0	144.2
145	30.3	14.7	44.1





#94

Hexachlorobutadiene

Concen: 45.92 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024771.D

Acq: 20 Jun 2018 20:46

Instrument :

MSVOA_U

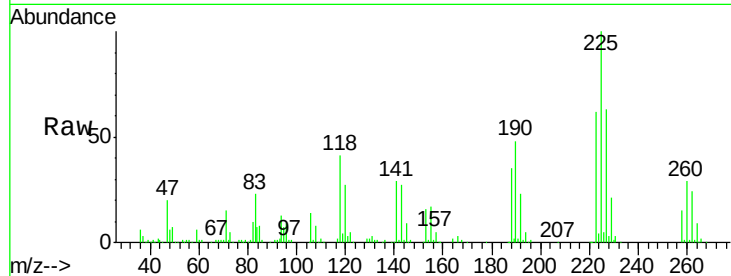
ClientSampleId :

TPTW-04MS

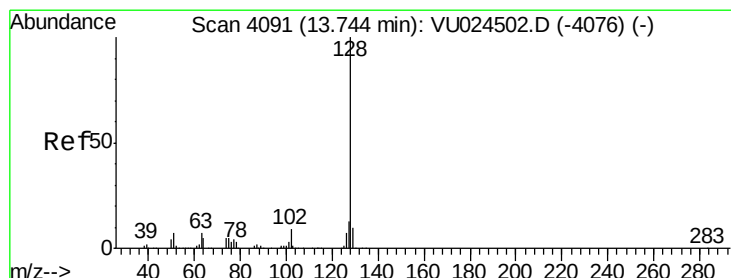
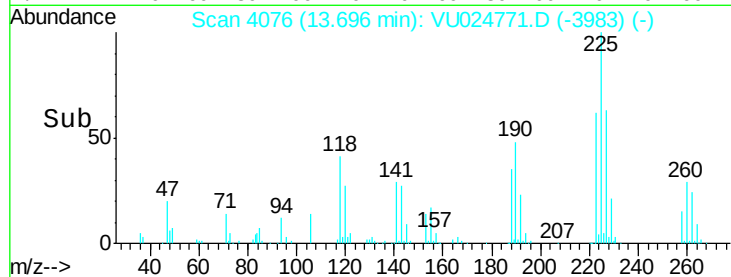
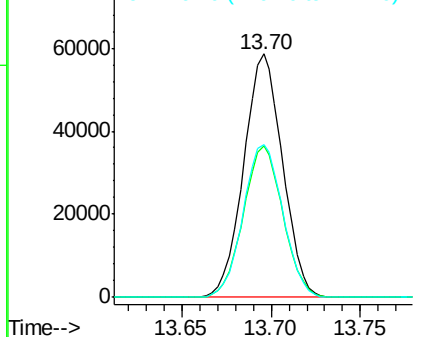
Tot Ion:	225	Resp:	89367
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.3	93.8
227	64.0	31.8	95.4

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 59.11 ug/l

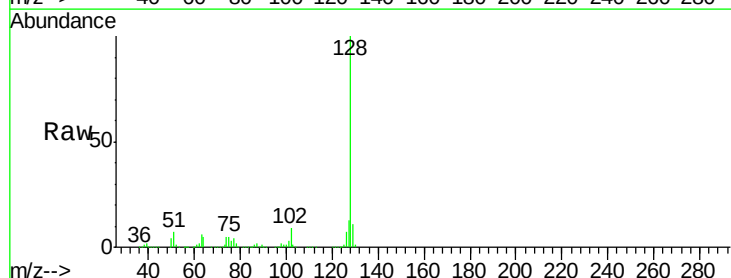
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

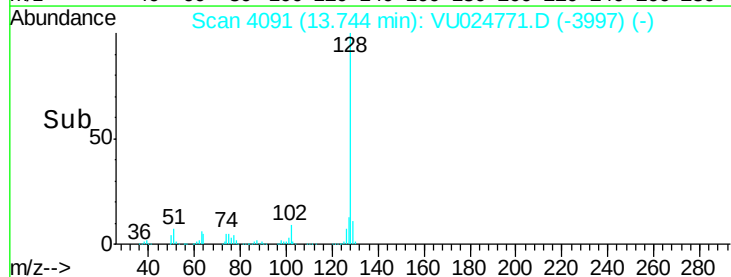
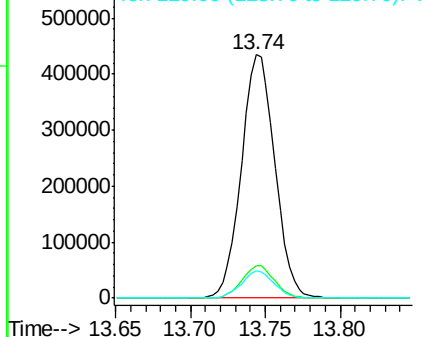
Lab File: VU024771.D

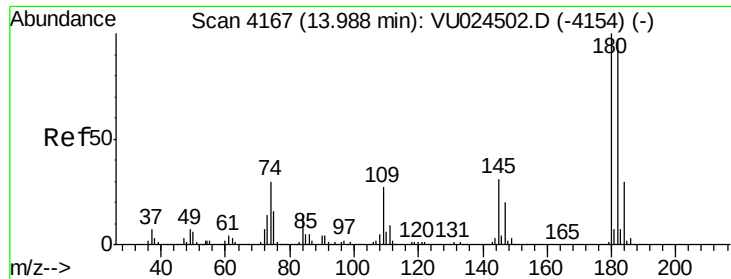
Acq: 20 Jun 2018 20:46

Tgt Ion:	128	Resp:	677931
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 54.81 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024771.D
 Acq: 20 Jun 2018 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188835		
182	95.8	47.9	143.7	
145	31.5	15.4	46.1	

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:44 PM

