

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024796.D
 Acq On : 21 Jun 2018 07:41
 Operator : MD/SY
 Sample : J3585-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:45:10 PM

Quant Time: Jun 21 09:00:20 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	173476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270943	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	260712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	126209	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
35) Dibromofluoromethane	4.89	113	104472	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	7.57	98	374429	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
62) 4-Bromofluorobenzene	10.31	95	147883	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	90656	41.75	ug/l	99
3) Chloromethane	1.33	50	98483	44.39	ug/l	99
4) Vinyl Chloride	1.40	62	104939	45.87	ug/l	98
5) Bromomethane	1.62	94	61074	55.22	ug/l	99
6) Chloroethane	1.70	64	66425	52.00	ug/l	98
7) Trichlorofluoromethane	1.89	101	163026	46.69	ug/l	98
8) Diethyl Ether	2.10	74	61415	51.76	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	91471	42.23	ug/l	95
10) Methyl Iodide	2.41	142	88136	48.28	ug/l	98
11) Tert butyl alcohol	2.82	59	136939	198.82	ug/l	99
12) 1,1-Dichloroethene	2.29	96	88455	44.78	ug/l	93
13) Acrolein	2.19	56	70484	194.87	ug/l	99
14) Allyl chloride	2.60	41	141206	38.50	ug/l	95
15) Acrylonitrile	2.93	53	311572	232.50	ug/l	99
16) Acetone	2.32	43	272204	178.89	ug/l	98
17) Carbon Disulfide	2.48	76	256070	40.49	ug/l	99
18) Methyl Acetate	2.61	43	143321	43.94	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	335407	45.17	ug/l	97
20) Methylene Chloride	2.70	84	103108	43.19	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	95479	43.89	ug/l	95
22) Diisopropyl ether	3.57	45	335654	46.17	ug/l	96
23) Vinyl Acetate	3.53	43	1328647	204.01	ug/l	98
24) 1,1-Dichloroethane	3.45	63	188386	45.04	ug/l	99
25) 2-Butanone	4.26	43	442495	216.49	ug/l	96
26) 2,2-Dichloropropane	4.23	77	110519	27.83	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	115250	46.08	ug/l	94
28) Bromochloromethane	4.55	49	85513	46.42	ug/l	88
29) Tetrahydrofuran	4.63	42	287242	226.94	ug/l	97
30) Chloroform	4.68	83	199479	47.12	ug/l	100
31) Cyclohexane	5.00	56	169244	45.39	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	177252	45.28	ug/l	97
36) 1,1-Dichloropropene	5.14	75	145155	45.59	ug/l	98
37) Ethyl Acetate	4.38	43	152670	44.00	ug/l	97
38) Carbon Tetrachloride	5.14	117	161492	46.13	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	172714	43.47	ug/l	97
40) Benzene	5.39	78	426839	47.05	ug/l	99
41) Methacrylonitrile	4.54	41	93018	49.72	ug/l	97
42) 1,2-Dichloroethane	5.41	62	168978	48.91	ug/l	100
43) Isopropyl Acetate	5.55	43	259386	43.24	ug/l	98
44) Trichloroethene	6.19	130	118393	45.86	ug/l	95
45) 1,2-Dichloropropane	6.44	63	116286	48.04	ug/l	96
46) Dibromomethane	6.56	93	81870	48.15	ug/l	95
47) Bromodichloromethane	6.76	83	158666	46.86	ug/l	99
48) Methyl methacrylate	6.62	41	136684	46.80	ug/l	97
49) 1,4-Dioxane	6.61	88	60856	1065.42	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	898849	238.52	ug/l	99
52) Toluene	7.64	92	276064	47.30	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	163497	43.00	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	169656	41.87	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	116182	48.97	ug/l	98
56) Ethyl methacrylate	8.02	69	187273	47.16	ug/l	98
57) 1,3-Dichloropropane	8.25	76	195017	48.73	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	437	0.29	ug/l #	50
59) 2-Hexanone	8.36	43	710484	230.94	ug/l	99
60) Dibromochloromethane	8.48	129	134841	45.58	ug/l	99
61) 1,2-Dibromoethane	8.59	107	126805	48.02	ug/l	98
64) Tetrachloroethene	8.23	164	103393	41.72	ug/l	97
65) Chlorobenzene	9.12	112	316962	47.59	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	118583	46.86	ug/l	98
67) Ethyl Benzene	9.25	91	545352	46.71	ug/l	98
68) m/p-Xylenes	9.38	106	425825	94.98	ug/l	97
69) o-Xylene	9.78	106	211057	47.57	ug/l	97
70) Styrene	9.80	104	344288	47.22	ug/l	99
71) Bromoform	9.96	173	108183	44.98	ug/l #	98
73) Isopropylbenzene	10.17	105	570666	47.23	ug/l	99
74) N-amyl acetate	10.01	43	234422	40.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	193602	47.82	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	163252m	47.12	ug/l	
77) Bromobenzene	10.45	156	148132	48.43	ug/l	94
78) n-propylbenzene	10.59	91	645165	45.33	ug/l	98
79) 2-Chlorotoluene	10.66	91	388409	46.28	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	490375	46.83	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	51720m	34.55	ug/l	
82) 4-Chlorotoluene	10.78	91	452378	46.31	ug/l	99
83) tert-Butylbenzene	11.10	119	497437	49.38	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	507622	47.57	ug/l	99
85) sec-Butylbenzene	11.33	105	588800	46.70	ug/l	98
86) p-Isopropyltoluene	11.48	119	525163	46.50	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	267444	47.33	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	273658	48.11	ug/l	99
89) n-Butylbenzene	11.89	91	433983	43.29	ug/l	97
90) Hexachloroethane	12.15	117	95865	43.52	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	277166	48.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51537	46.13	ug/l	92

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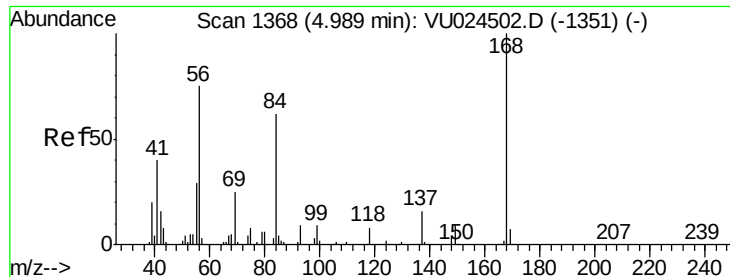
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184987	52.92	ug/l	100
94) Hexachlorobutadiene	13.70	225	90143	45.82	ug/l	99
95) Naphthalene	13.74	128	611909	52.84	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	195045	56.00	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

CKMW21MS

Tot Ion:168 Resp: 173476

Ion Ratio Lower Upper

168 100

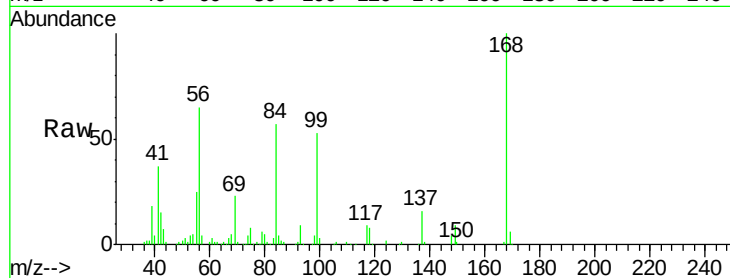
99 52.2 43.2 64.8

Manual Integrations

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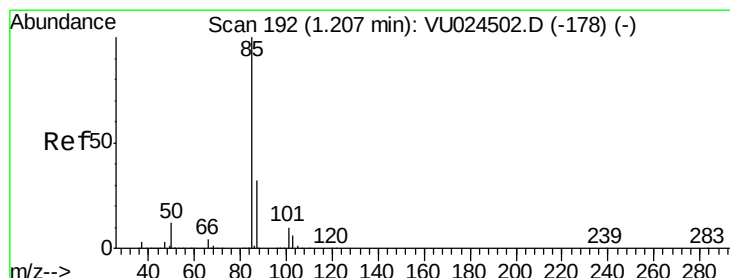
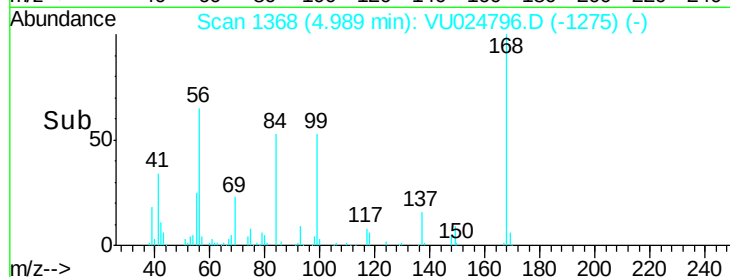
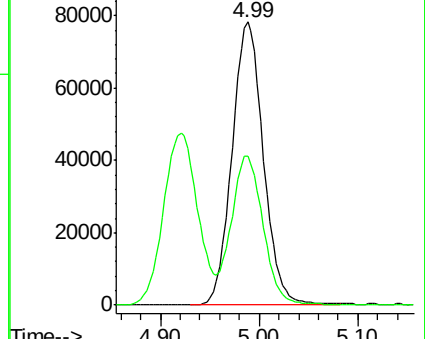
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 41.75 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024796.D

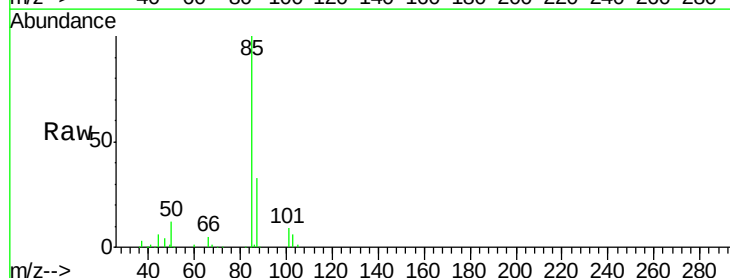
Acq: 21 Jun 2018 07:41

Tgt Ion: 85 Resp: 90656

Ion Ratio Lower Upper

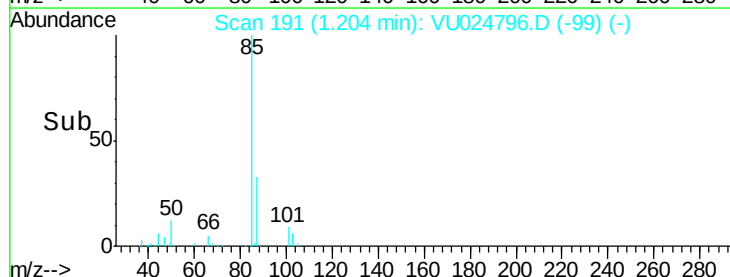
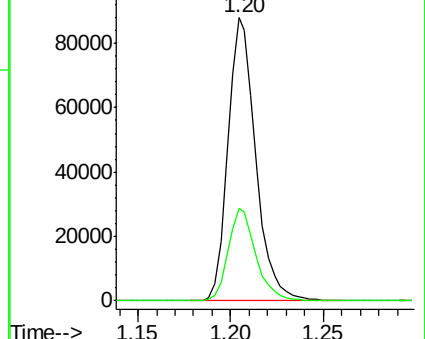
85 100

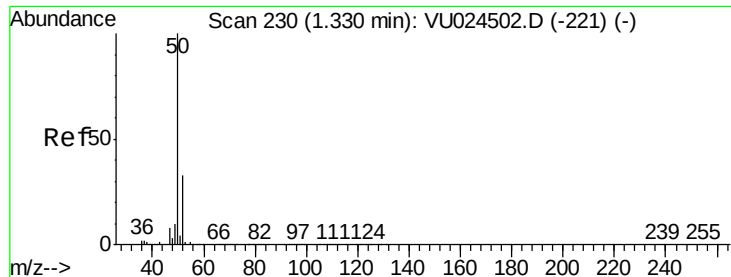
87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 44.39 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion: 50 Resp: 98483

Ion Ratio Lower Upper

50 100

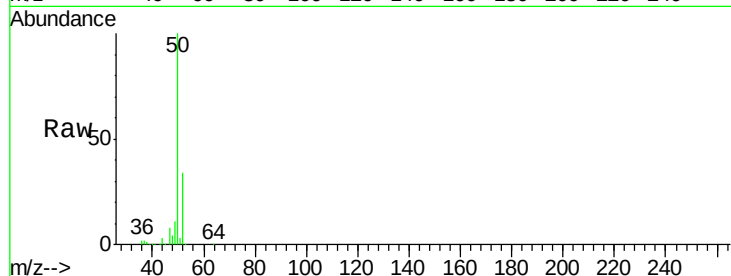
52 33.7 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VU024796.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024796.D (-137) (-)

1.33

100000

80000

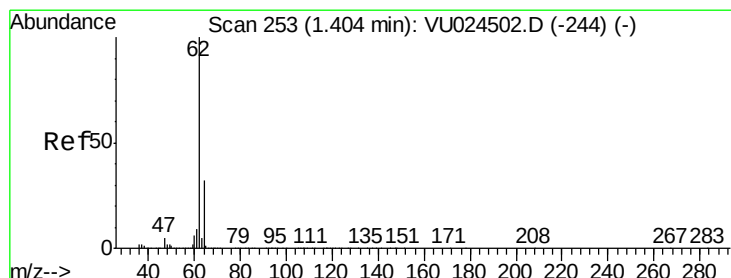
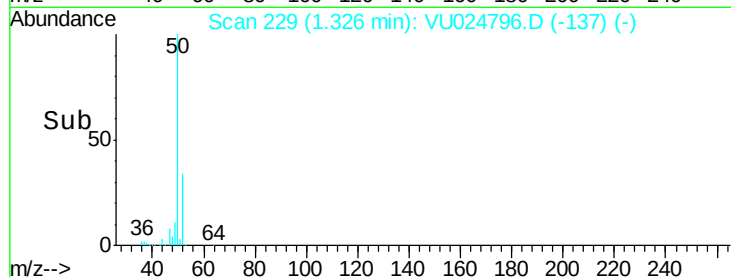
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.87 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024796.D

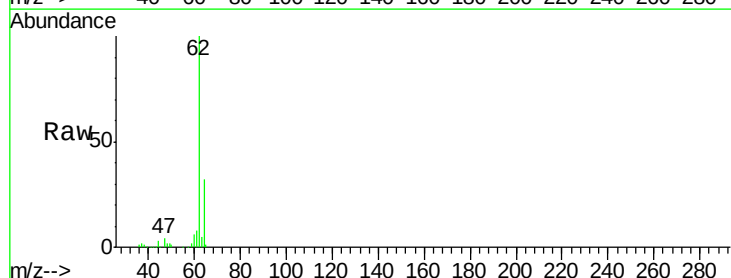
Acq: 21 Jun 2018 07:41

Tgt Ion: 62 Resp: 104939

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024796.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU024796.D (-160) (-)

1.40

120000

100000

80000

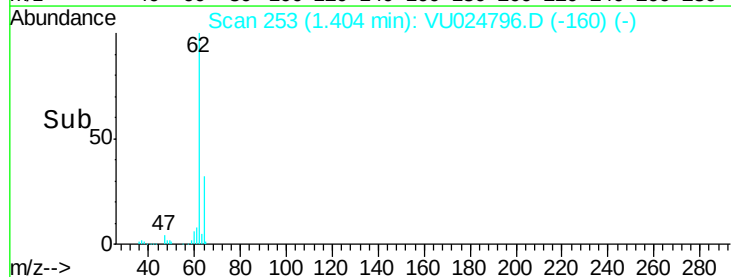
60000

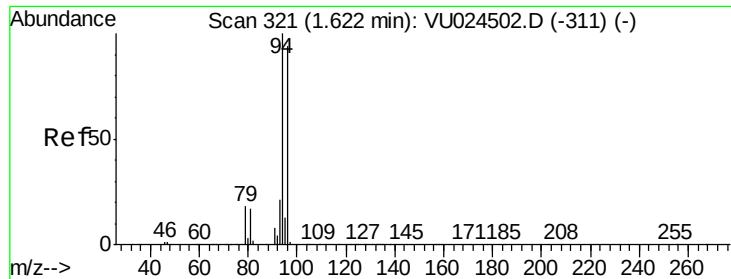
40000

20000

0

Time-->





#5

Bromomethane

Concen: 55.22 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion: 94 Resp: 61074

Ion Ratio Lower Upper

94 100

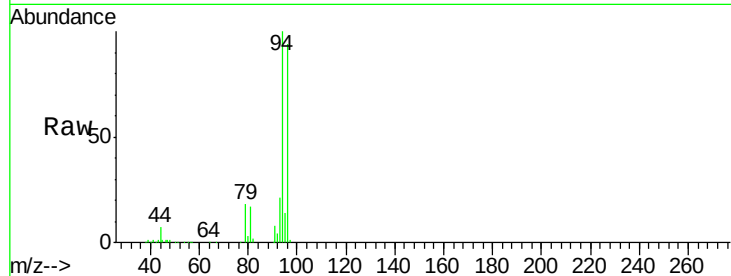
96 93.9 74.5 111.7

Manual Integrations

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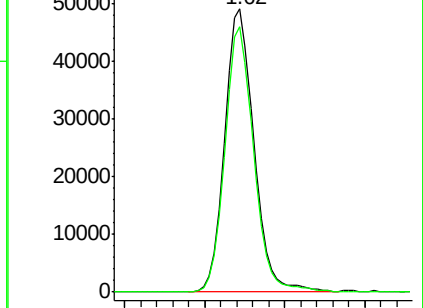
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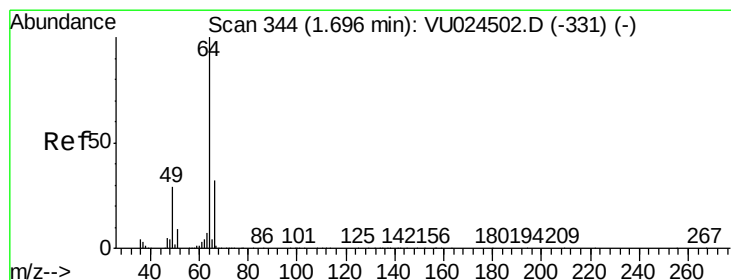
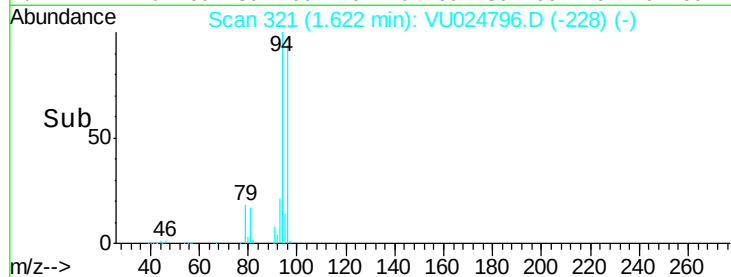


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 52.00 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024796.D

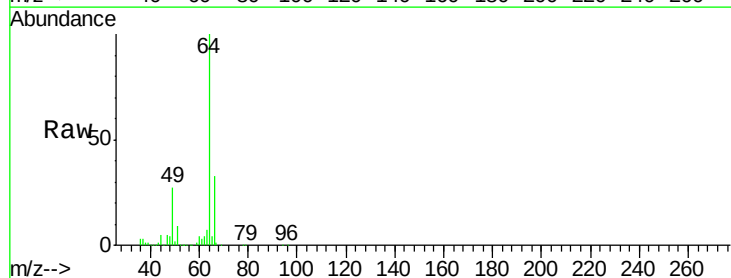
Acq: 21 Jun 2018 07:41

Tgt Ion: 64 Resp: 66425

Ion Ratio Lower Upper

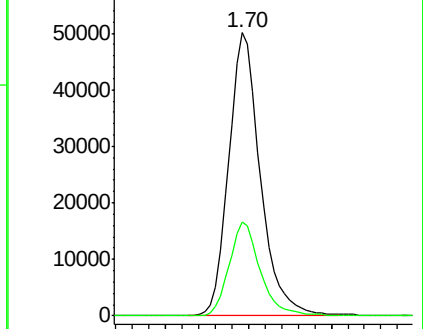
64 100

66 33.1 25.5 38.3

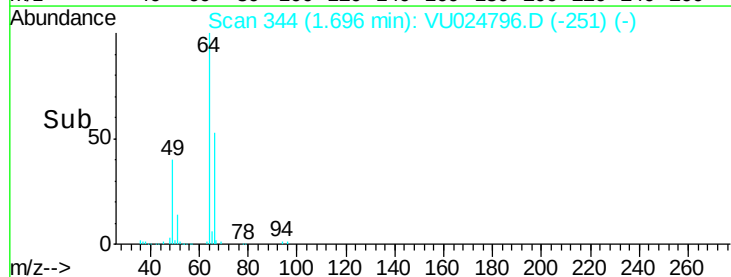


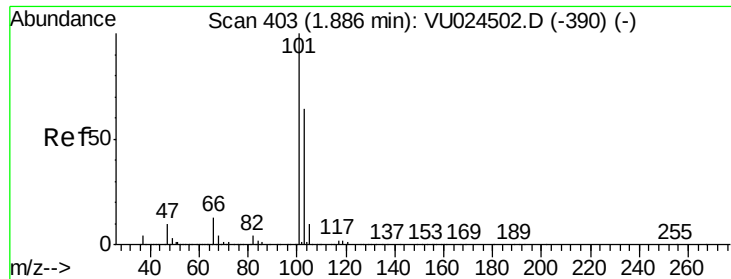
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

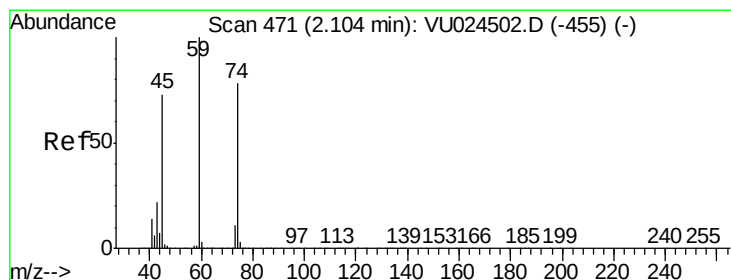
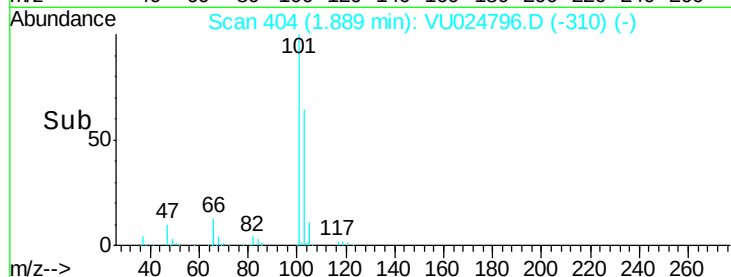
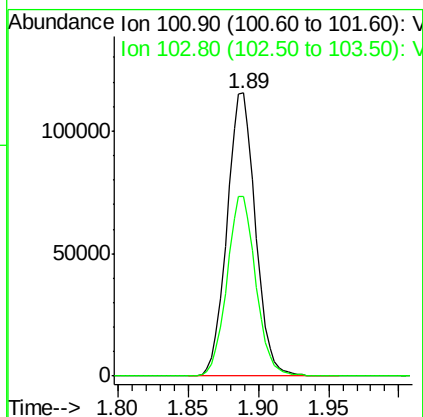
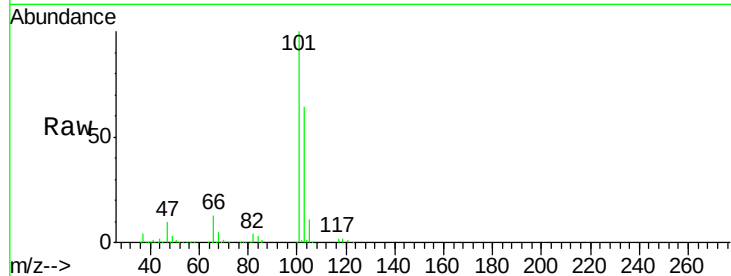
Trichlorofluoromethane
 Concen: 46.69 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampled :
 CKMW21MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

Manual Integrations
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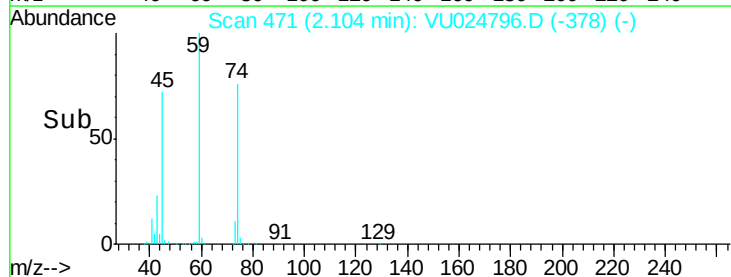
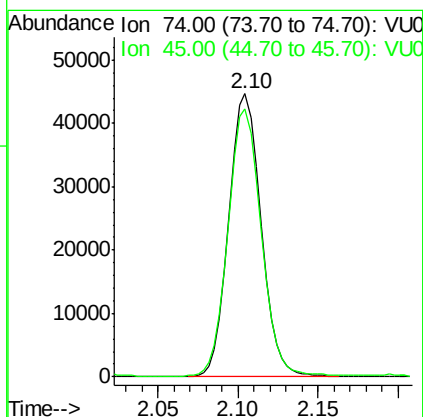
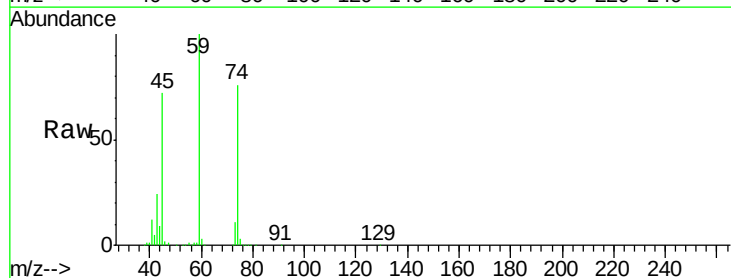
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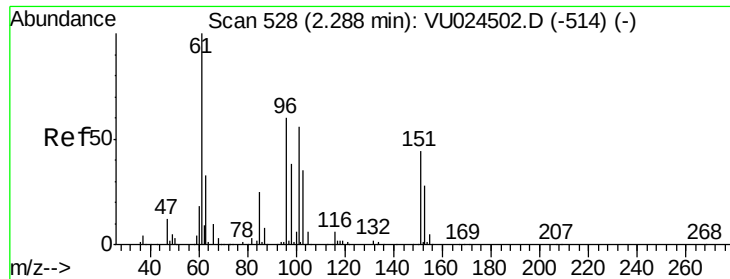


#8

Diethyl Ether
 Concen: 51.76 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.23 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

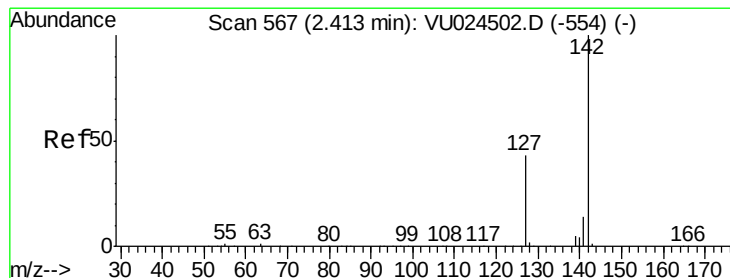
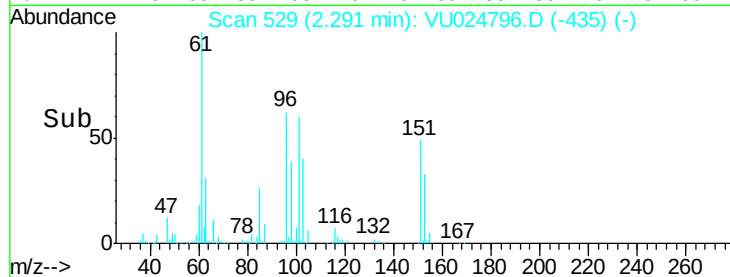
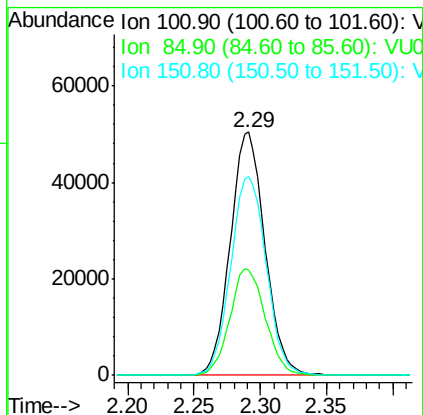
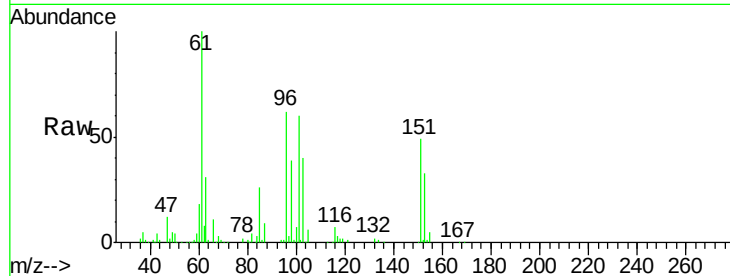
ClientSampleId :

CKMW21MS

Tot Ion:	101	Resp:	91471
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	83.9	62.3	93.5

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#10

Methyl Iodide

Concen: 48.28 ug/l

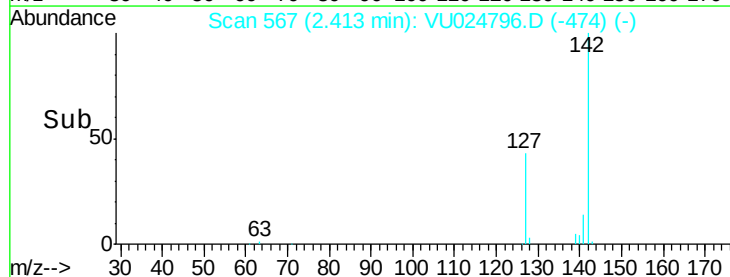
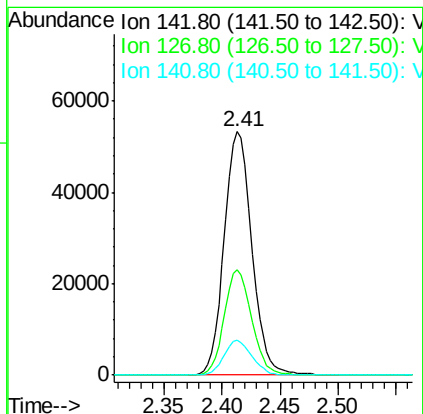
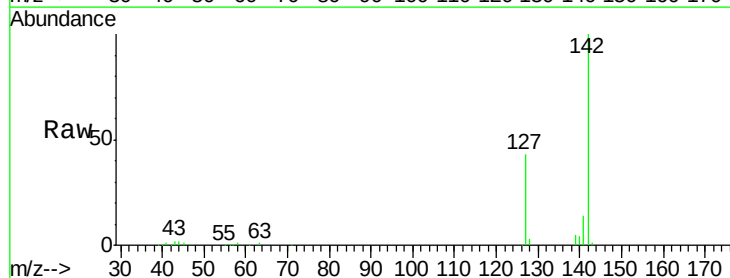
RT: 2.41 min Scan# 567

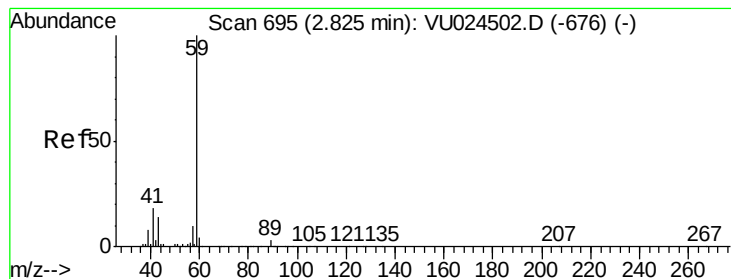
Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	142	Resp:	88136
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.6	53.4
141	14.4	11.7	17.5





#11

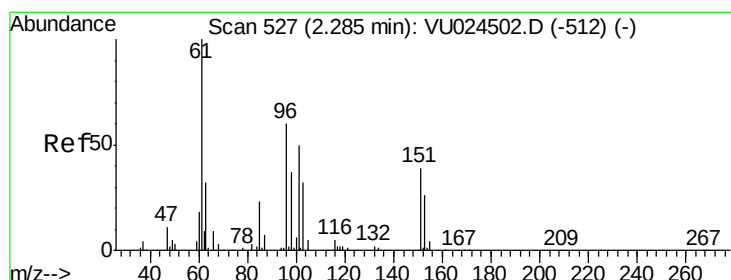
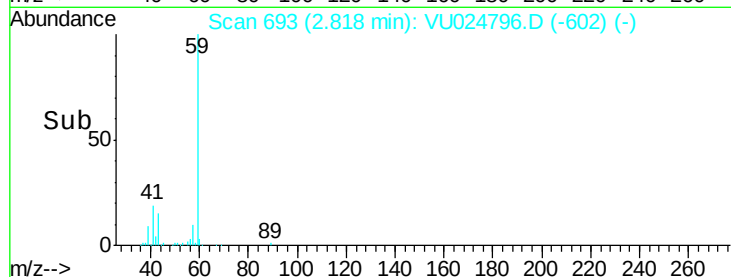
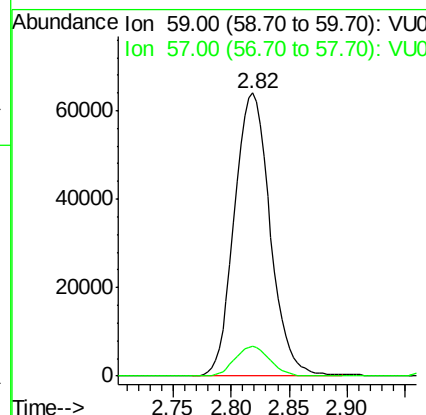
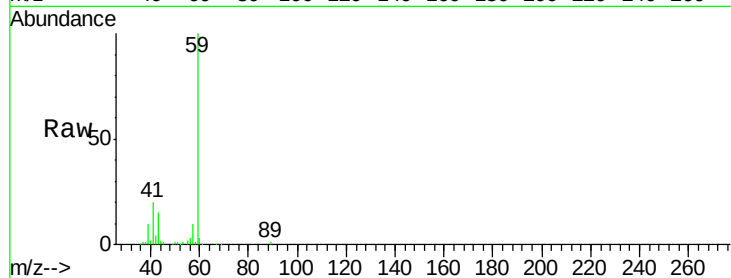
Tert butyl alcohol
 Concen: 198.82 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

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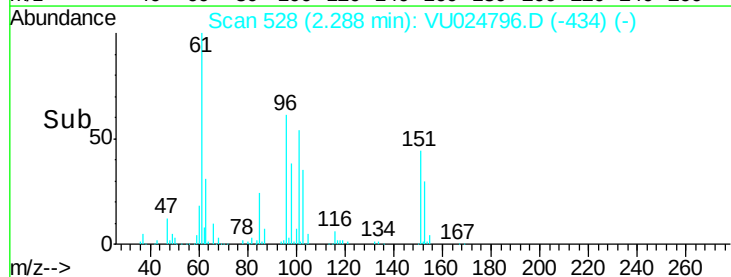
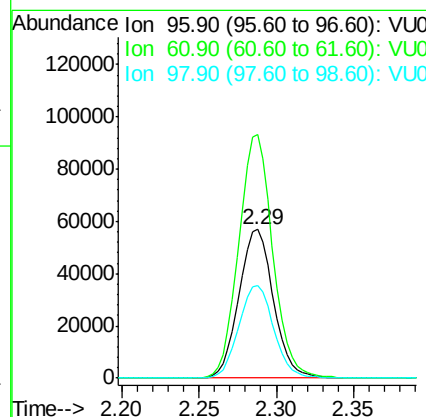
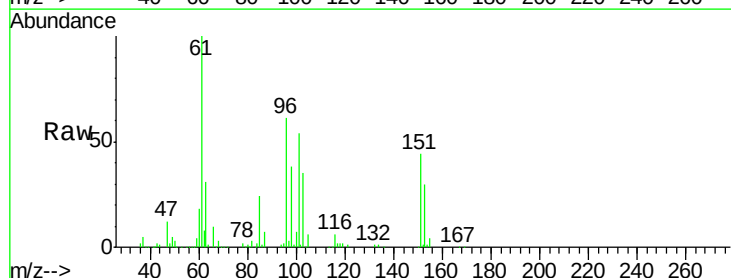
apatel
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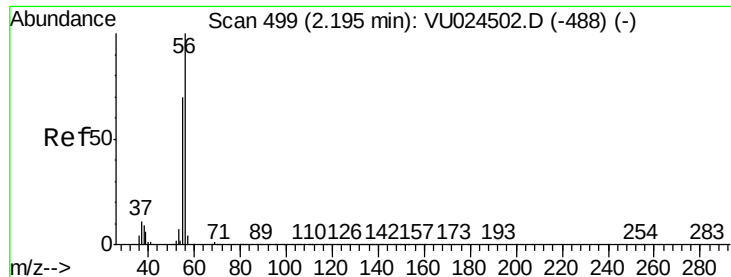


#12

1,1-Dichloroethene
 Concen: 44.78 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	141.7	212.5
98	62.6	51.6	77.4





#13

Acrolein

Concen: 194.87 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

CKMW21MS

Tot Ion: 56 Resp: 70484

Ion Ratio Lower Upper

56 100

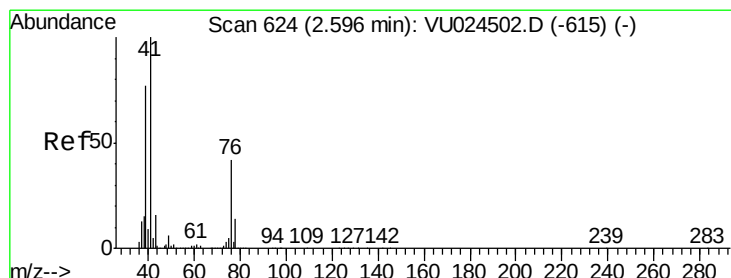
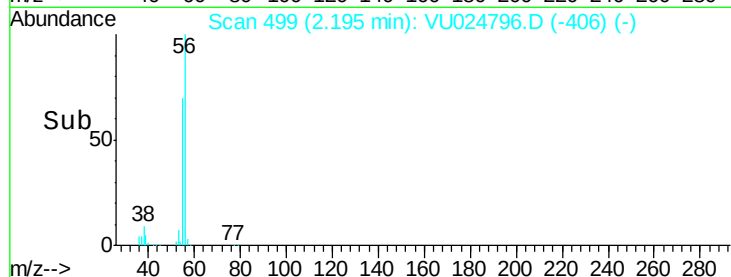
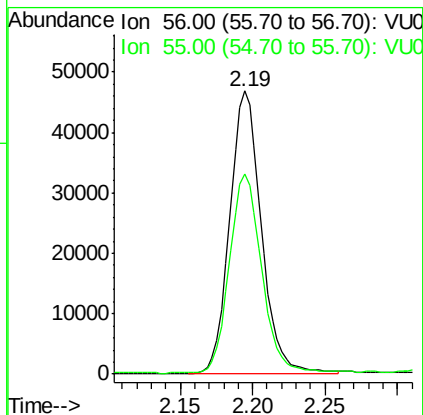
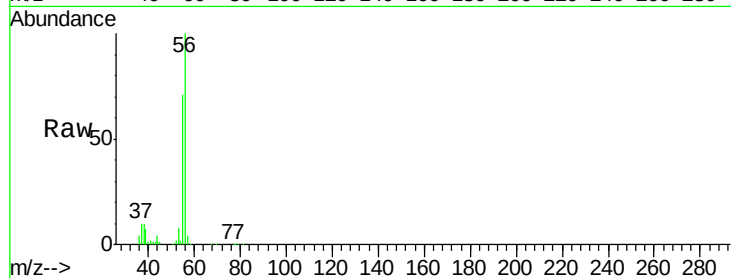
55 72.2 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 38.50 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

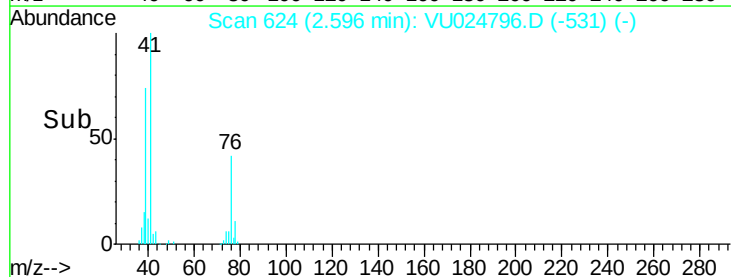
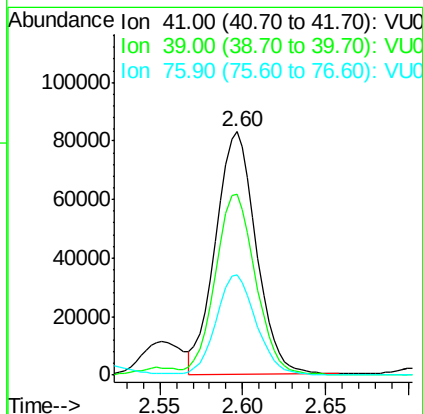
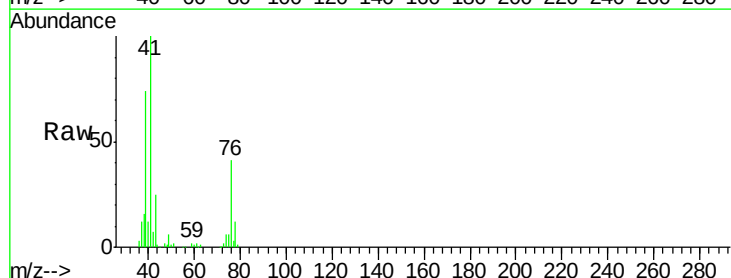
Tgt Ion: 41 Resp: 141206

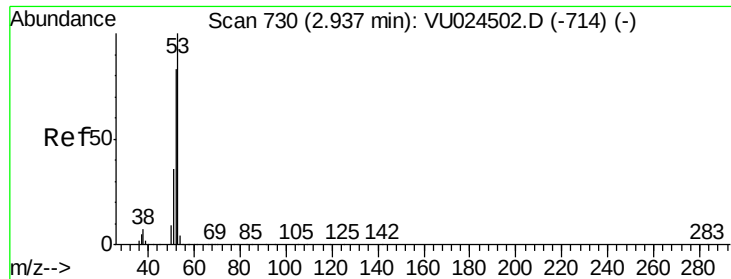
Ion Ratio Lower Upper

41 100

39 73.4 61.6 92.4

76 40.4 29.7 44.5





#15

Acrylonitrile

Concen: 232.50 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

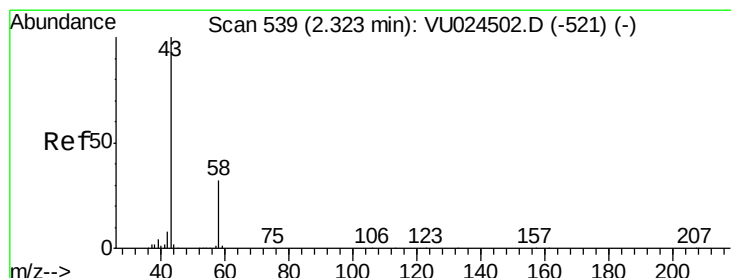
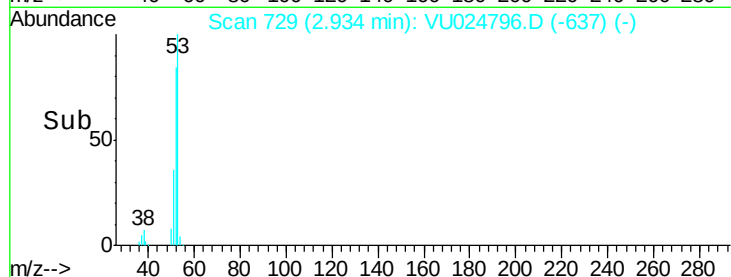
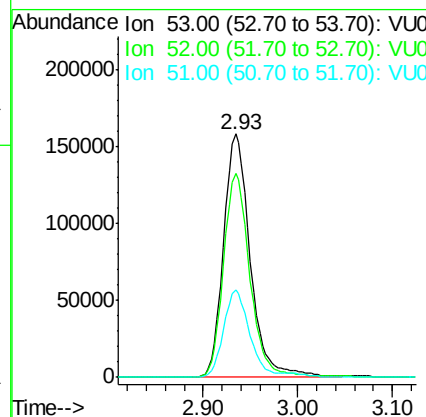
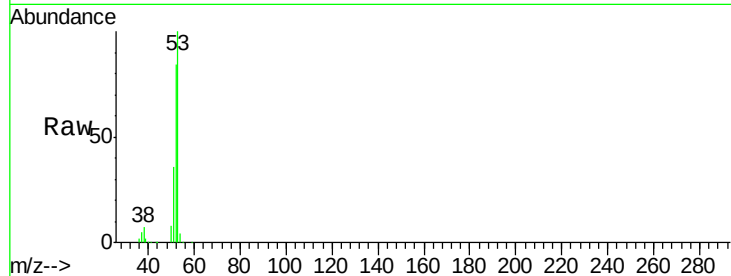
ClientSampleId :

CKMW21MS

Tot Ion:	53	Resp:	311572
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	36.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 178.89 ug/l

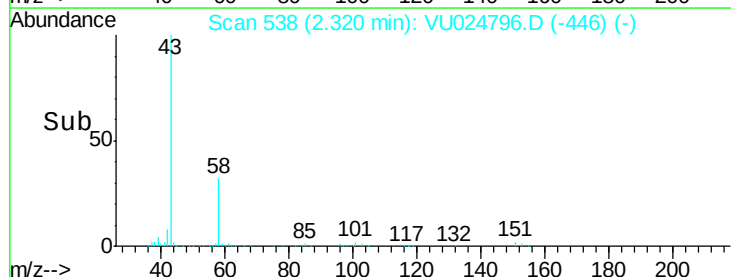
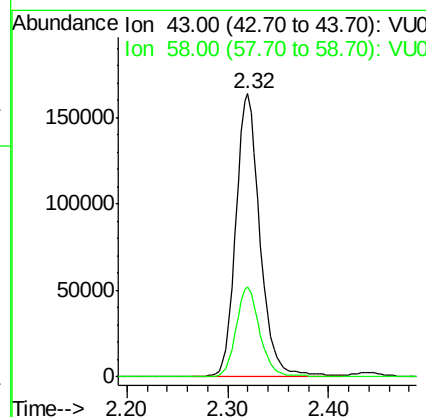
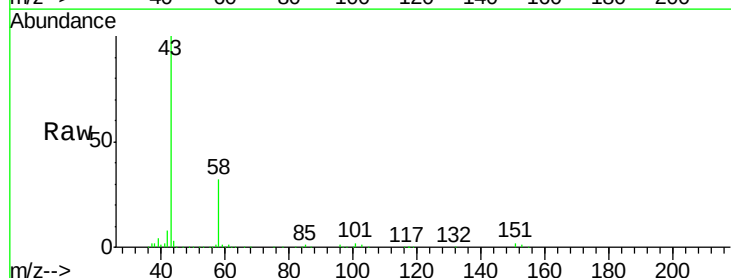
RT: 2.32 min Scan# 538

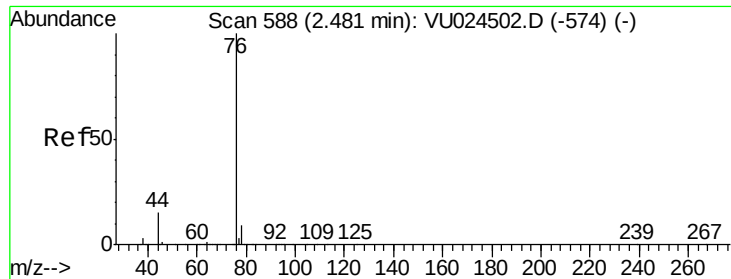
Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	43	Resp:	272204
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.4	36.6





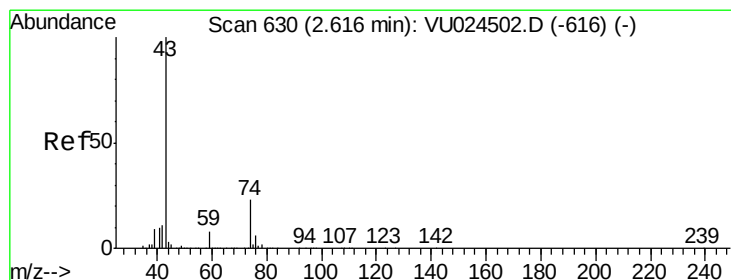
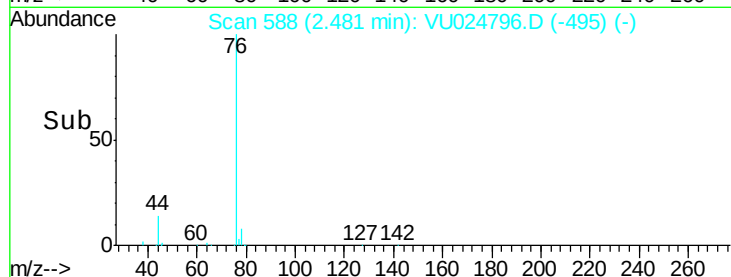
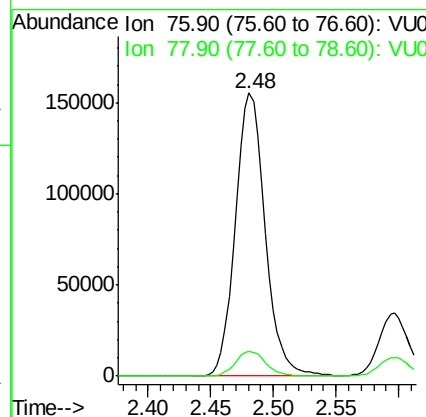
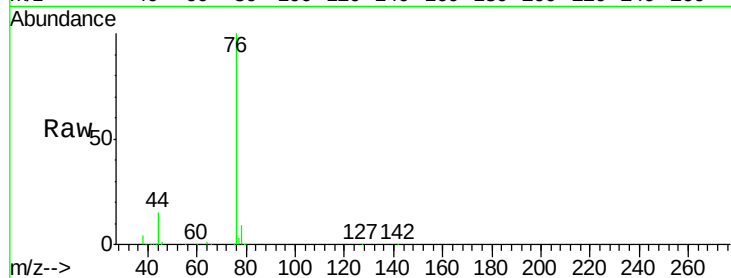
#17
Carbon Disulfide
Concen: 40.49 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

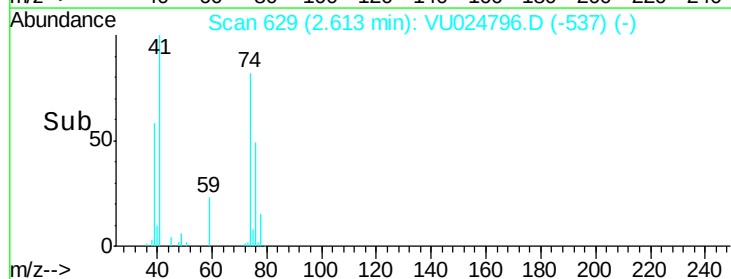
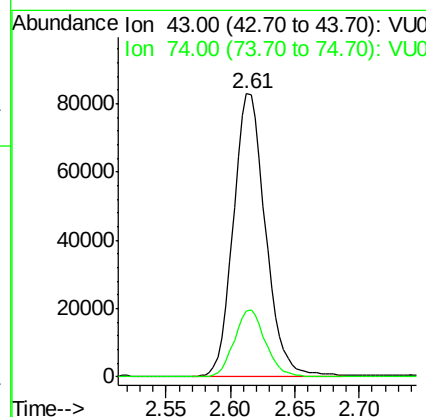
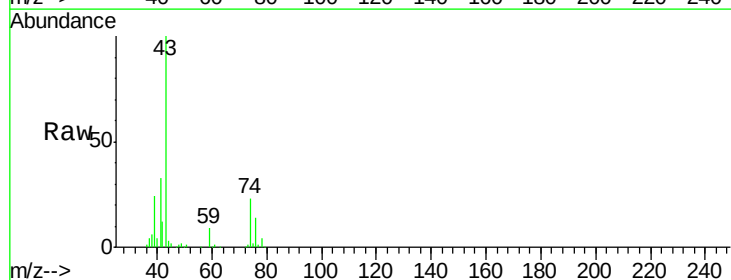
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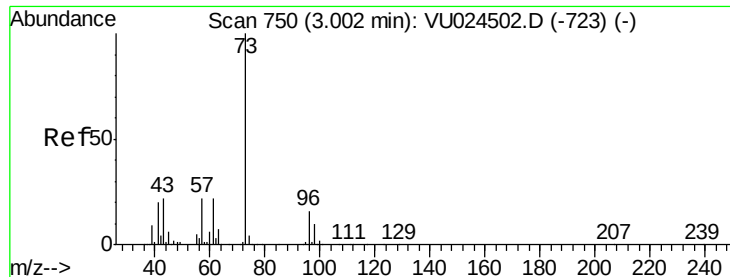
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#18
Methyl Acetate
Concen: 43.94 ug/l
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.0	27.0





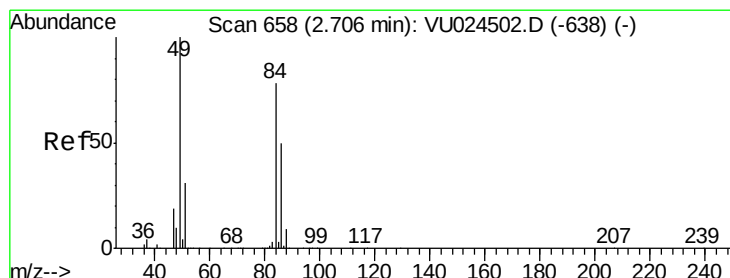
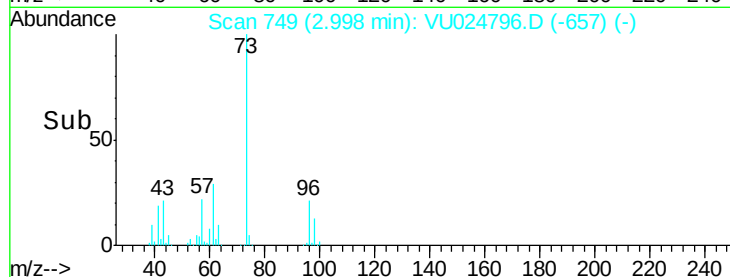
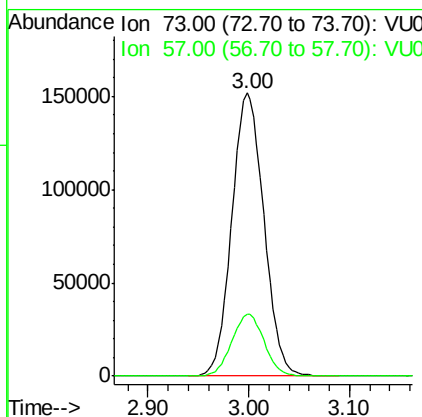
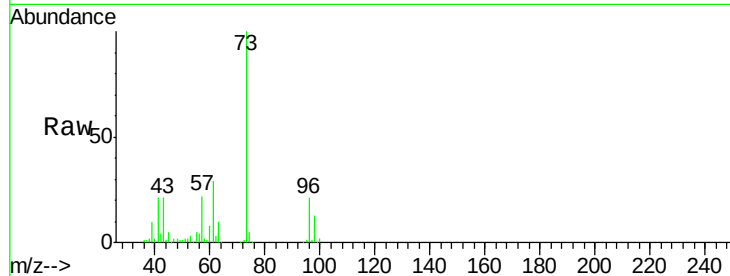
#19
Methyl tert-butyl Ether
Concen: 45.17 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.8	28.2

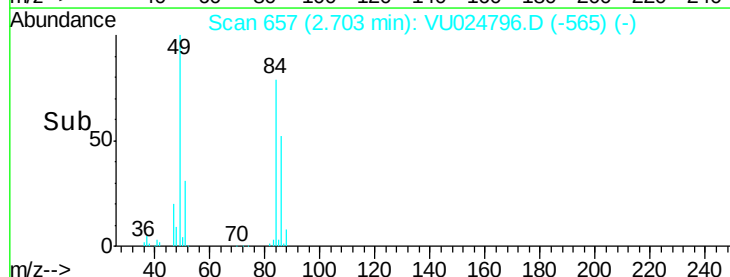
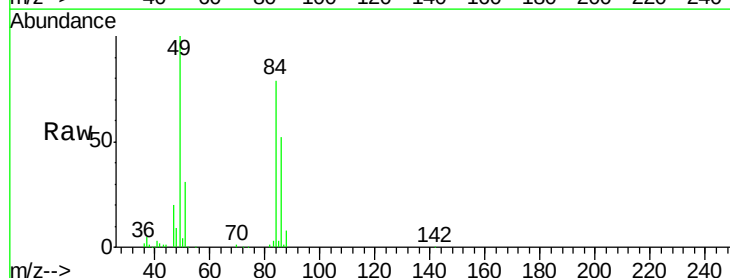
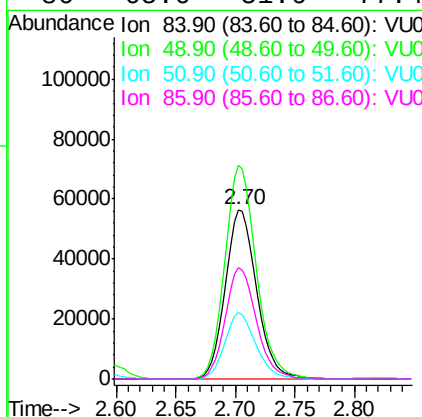
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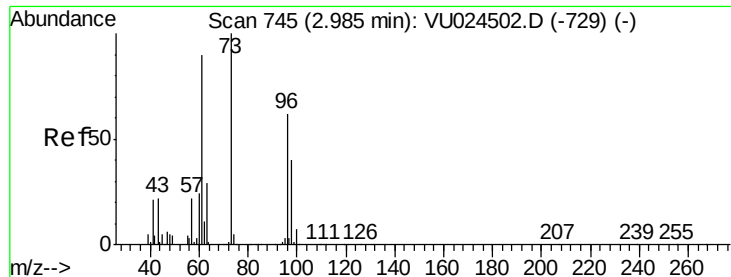
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#20
Methylene Chloride
Concen: 43.19 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.0	103.8	155.8
51	39.1	32.0	48.0
86	65.6	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 43.89 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

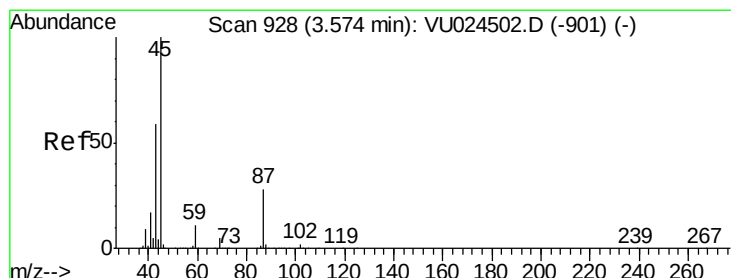
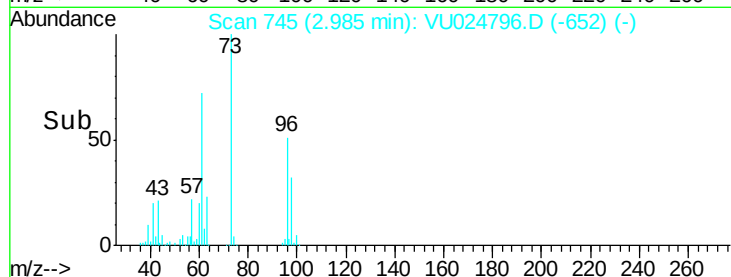
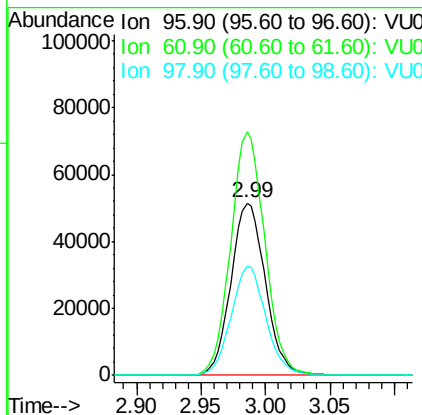
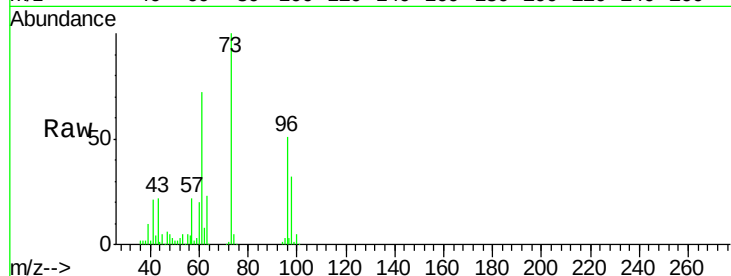
ClientSampleId :

CKMW21MS

Tot Ion:	96	Resp:	95479
Ion	Ratio	Lower	Upper
96	100		
61	141.1	119.4	179.0
98	63.5	51.1	76.7

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#22

Diisopropyl ether

Concen: 46.17 ug/l

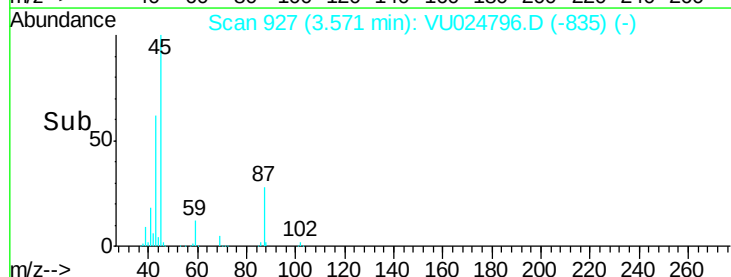
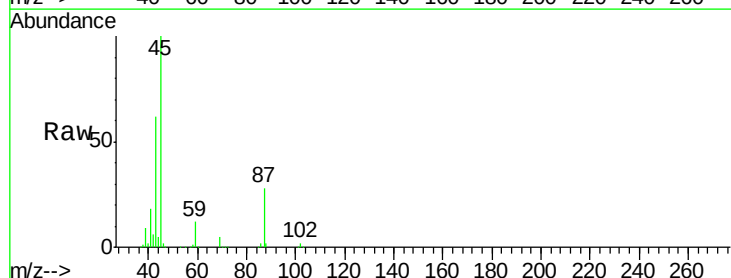
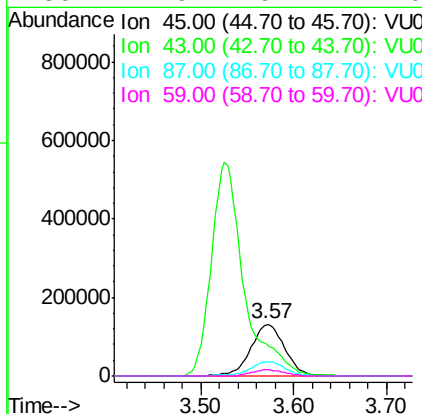
RT: 3.57 min Scan# 927

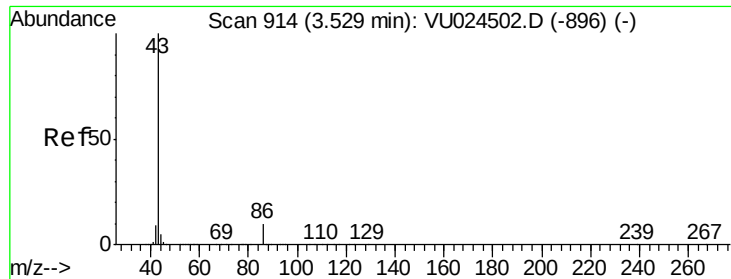
Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	45	Resp:	335654
Ion	Ratio	Lower	Upper
45	100		
43	60.5	45.8	68.6
87	28.2	20.6	31.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 204.01 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion: 43 Resp: 1328647

Ion Ratio Lower Upper

43 100

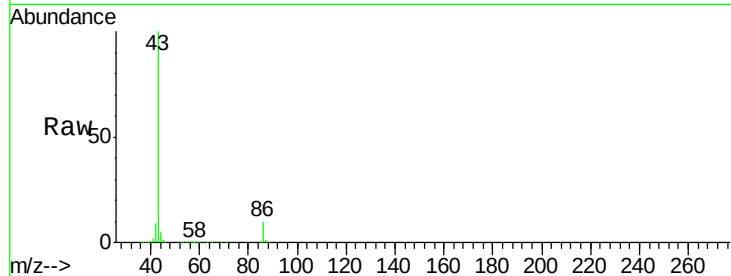
86 10.5 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

600000

500000

400000

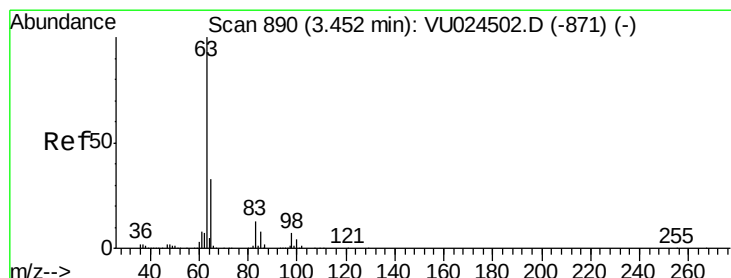
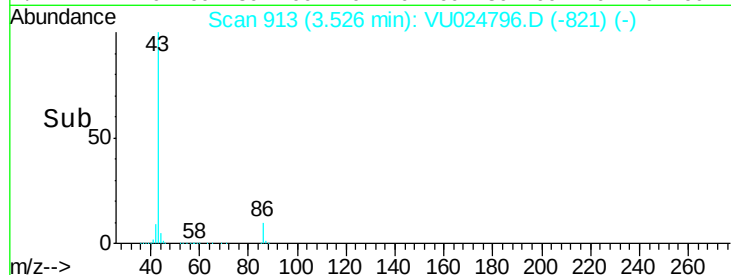
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.04 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

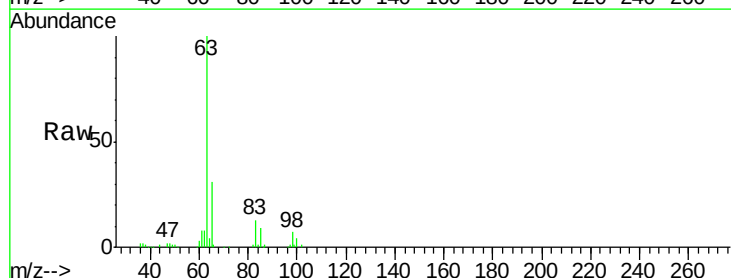
Tgt Ion: 63 Resp: 188386

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.4 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

3.45

100000

80000

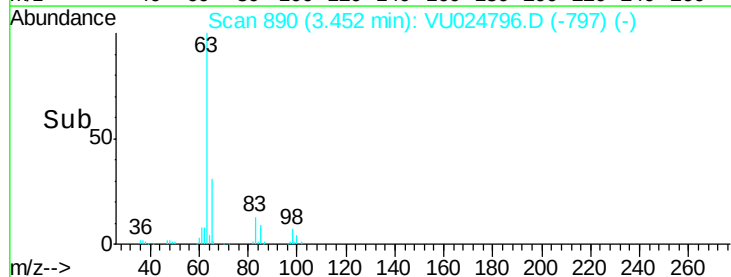
60000

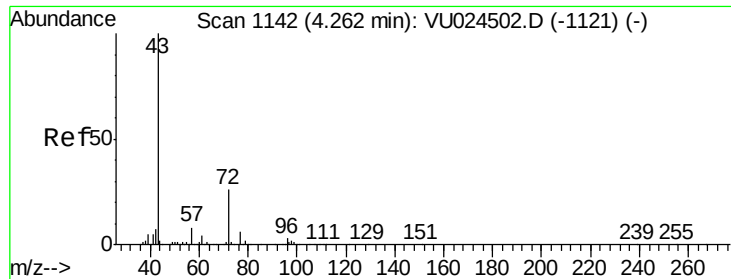
40000

20000

0

Time-->





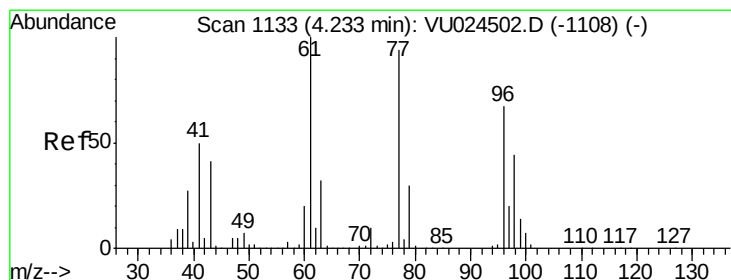
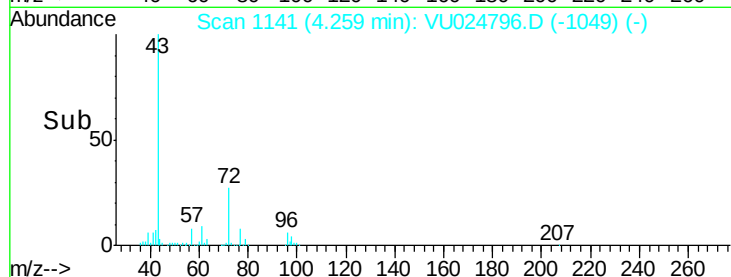
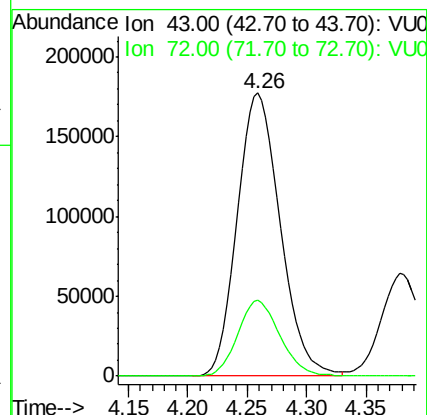
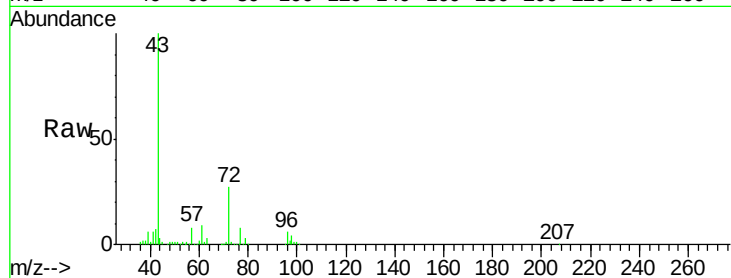
#25
2-Butanone
Concen: 216.49 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion: 43 Resp: 442495
Ion Ratio Lower Upper
43 100
72 26.7 19.6 29.4

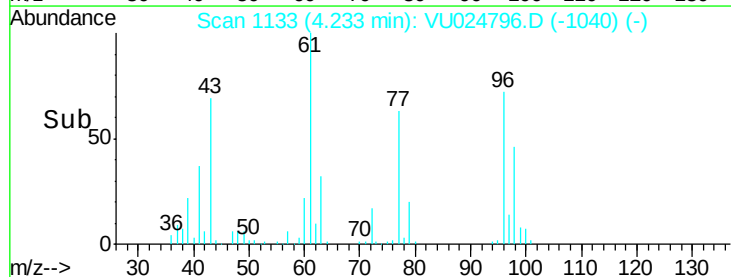
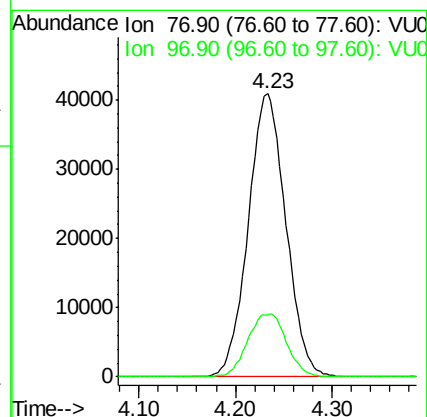
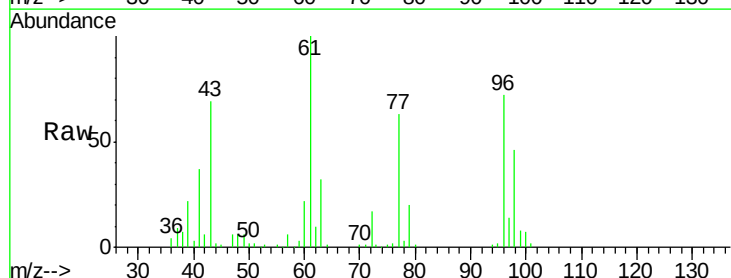
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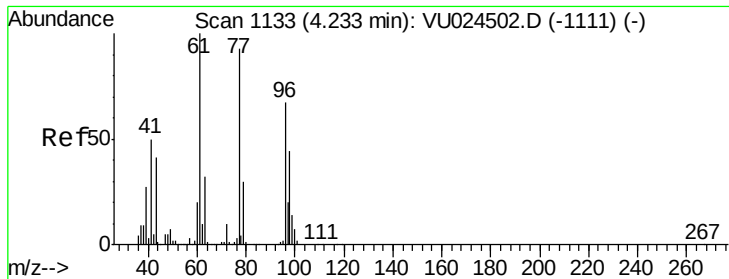
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6/21/2018 1:45:10 PM



#26
2,2-Dichloropropane
Concen: 27.83 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 77 Resp: 110519
Ion Ratio Lower Upper
77 100
97 22.9 11.3 33.8





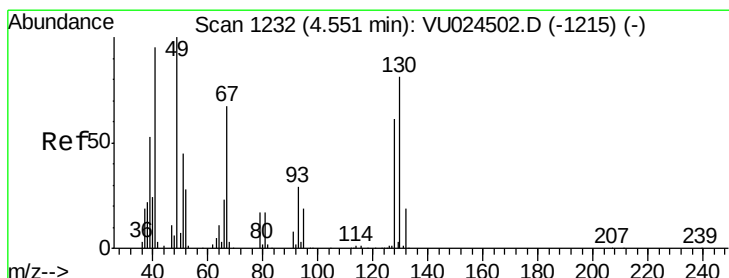
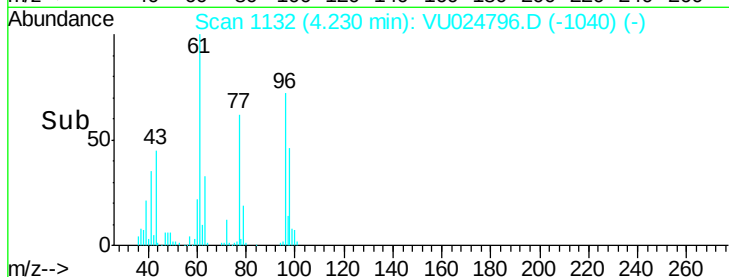
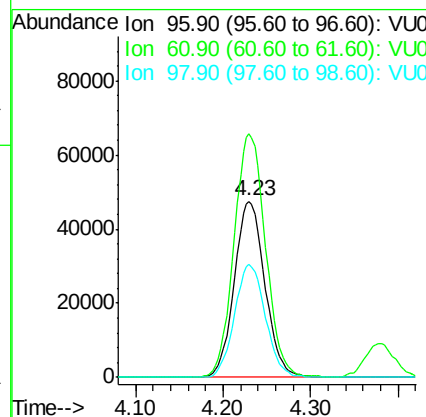
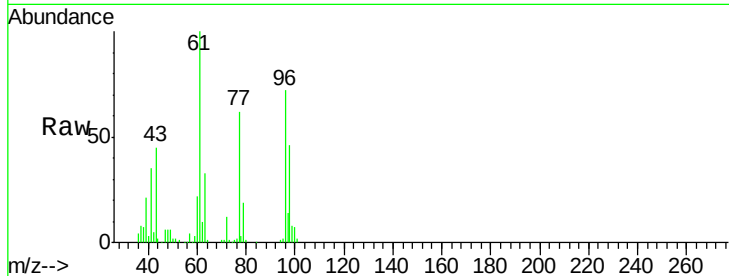
#27
 cis-1,2-Dichloroethene
 Concen: 46.08 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.4	0.0	306.6	
98	64.6	0.0	128.8	

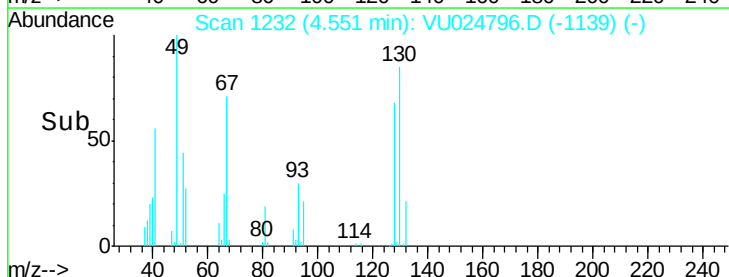
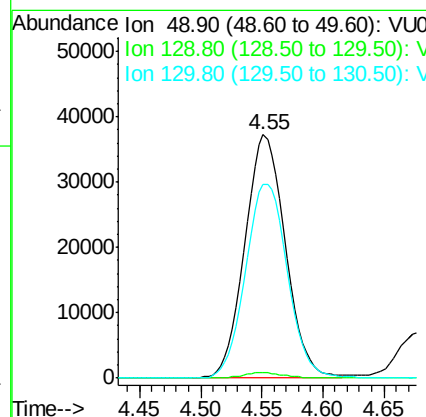
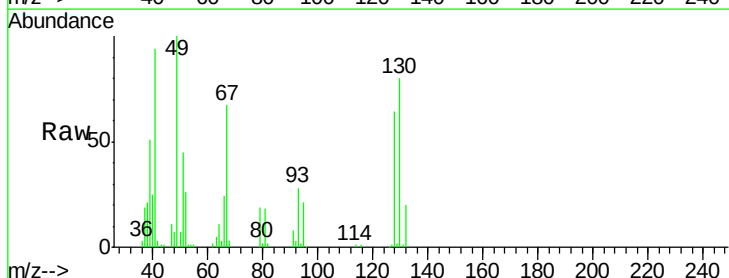
Manual Integrations
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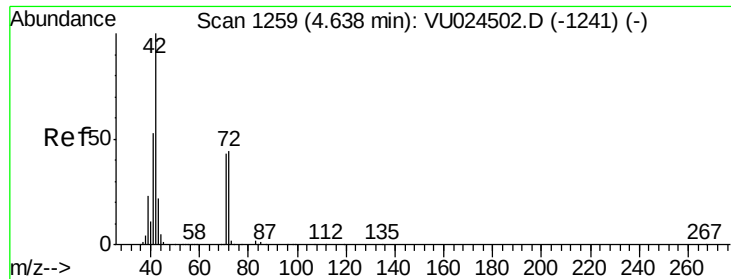
apatel
 6/21/2018 1:45:10 PM



#28
 Bromochloromethane
 Concen: 46.42 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.8	
130	82.8	57.8	86.6	





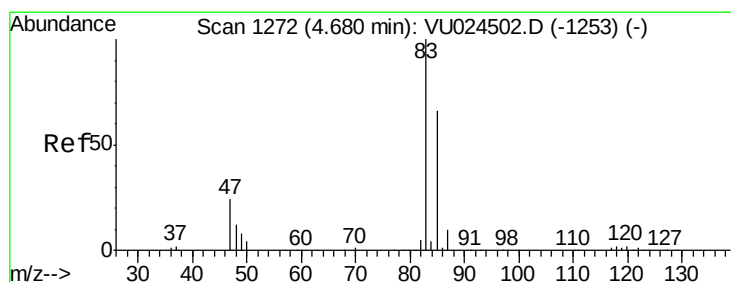
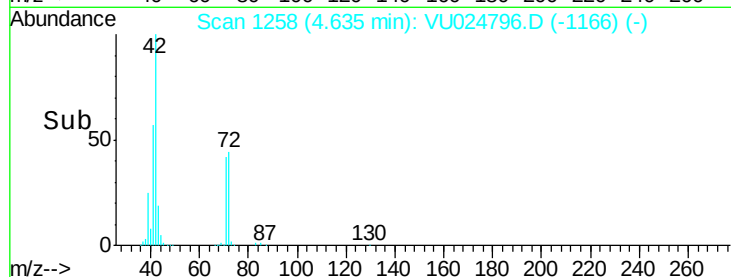
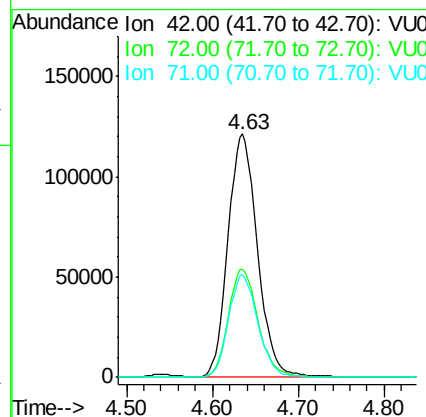
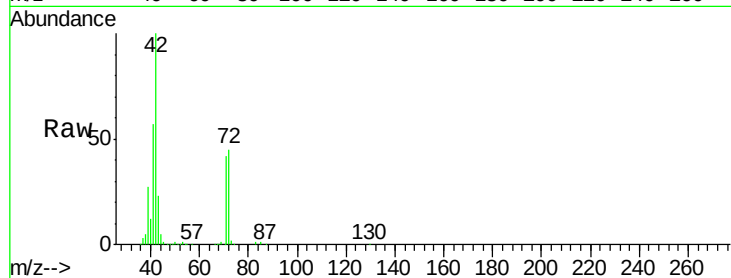
#29
Tetrahydrofuran
Concen: 226.94 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.5	51.7
71	42.1	32.2	48.4

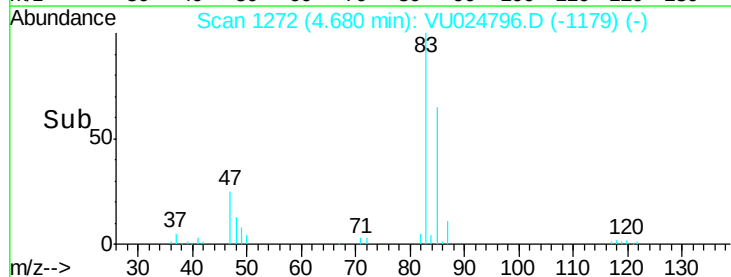
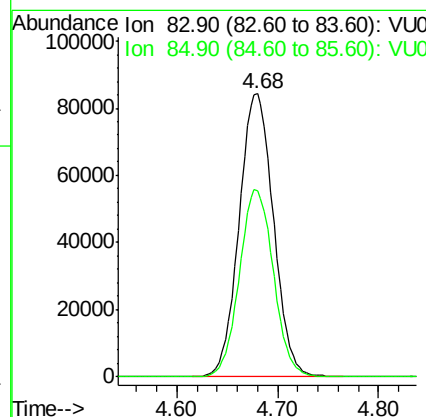
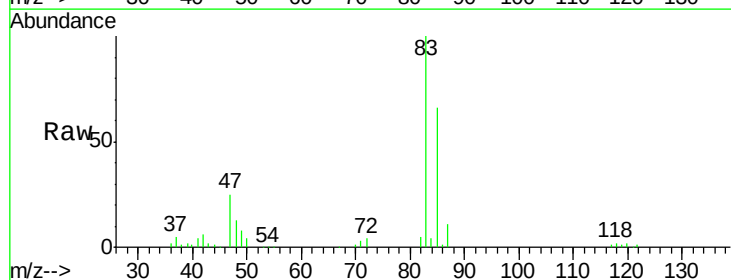
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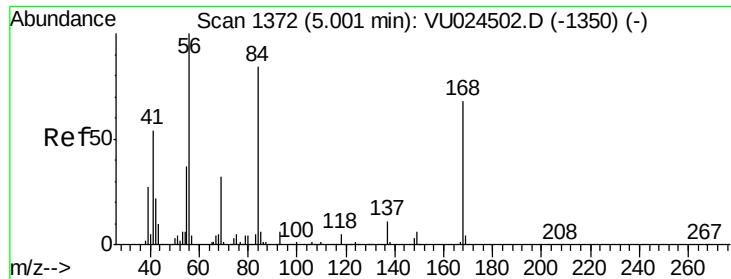
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#30
Chloroform
Concen: 47.12 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





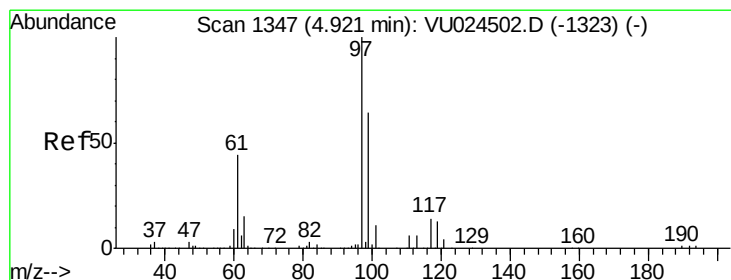
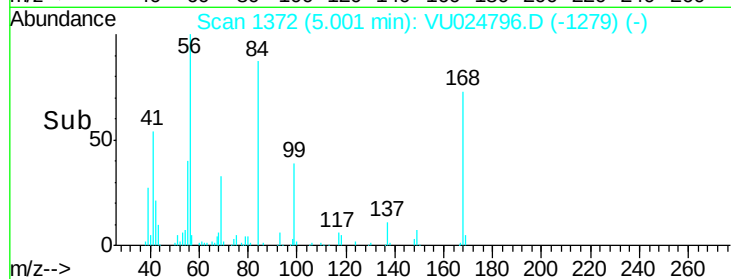
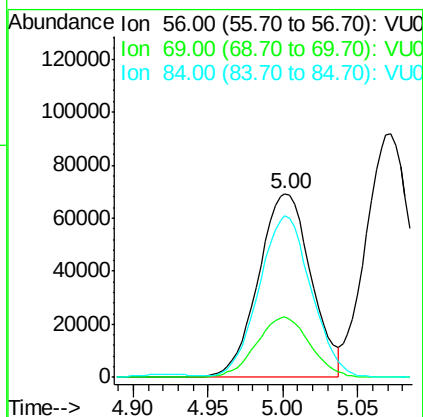
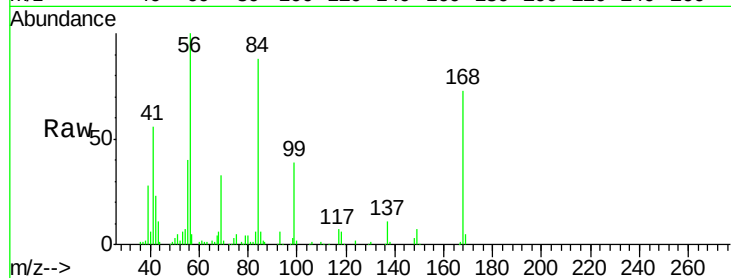
#31
Cyclohexane
Concen: 45.39 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.8	37.2
84	87.1	65.2	97.8

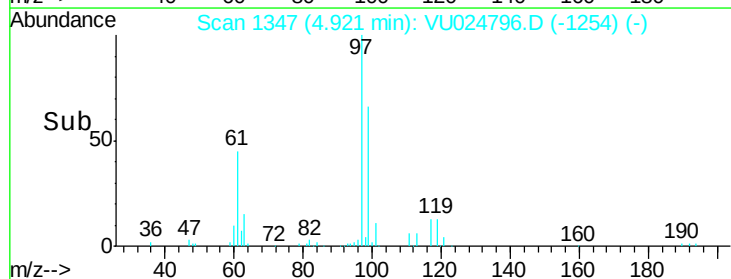
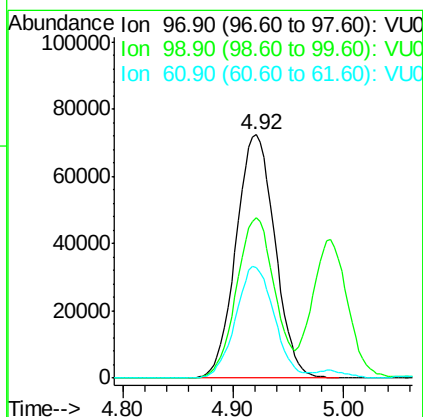
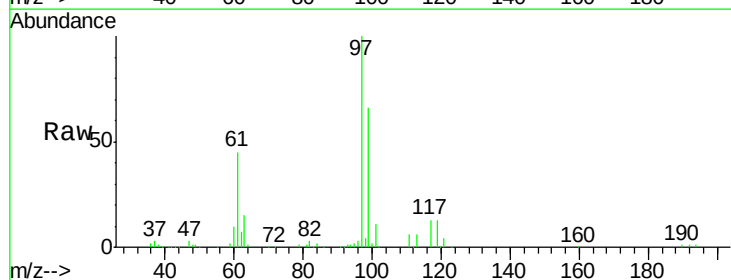
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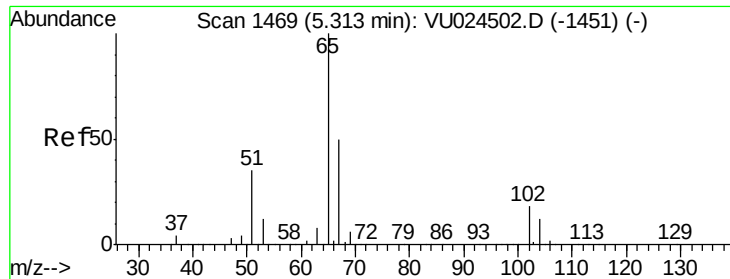
apatel
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#32
1,1,1-Trichloroethane
Concen: 45.28 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.6
61	45.3	39.4	59.0





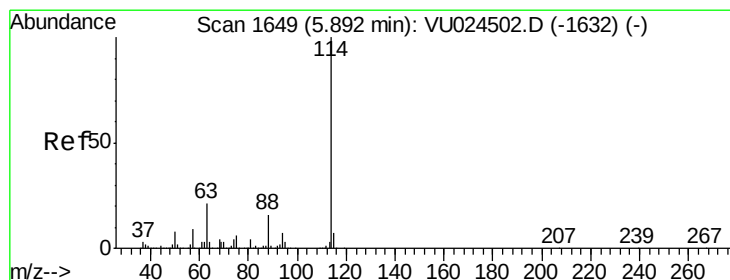
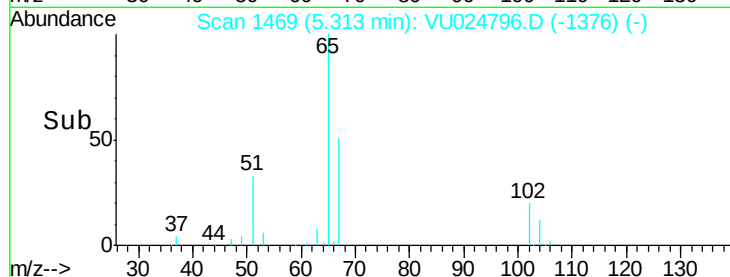
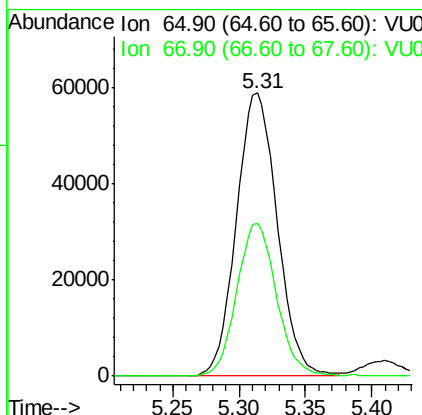
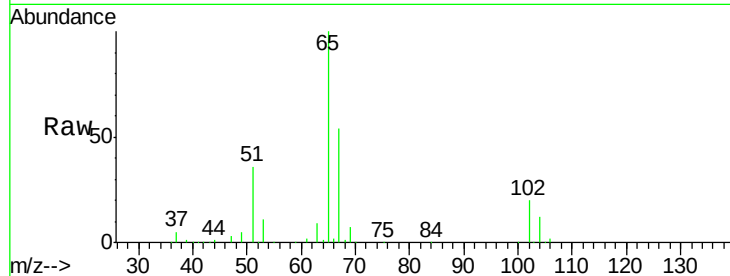
#33
 1,2-Dichloroethane-d4
 Concen: 44.56 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	107.0

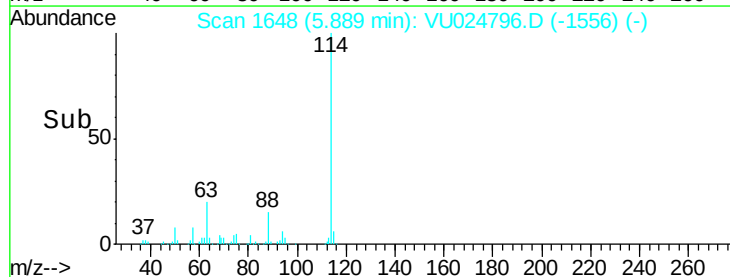
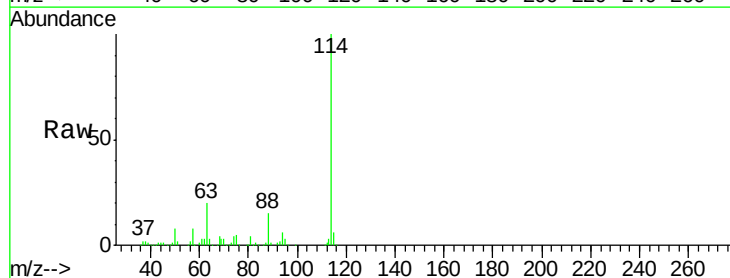
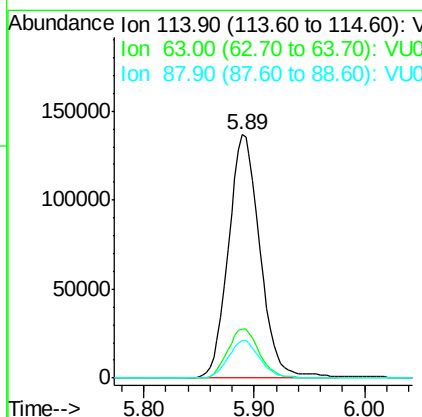
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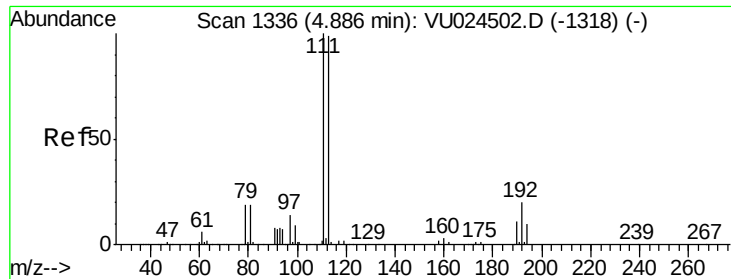
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.4	0.0	31.0





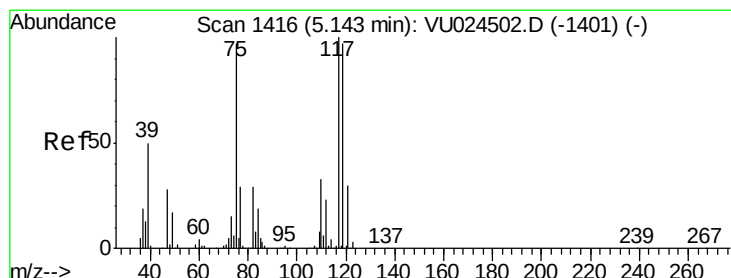
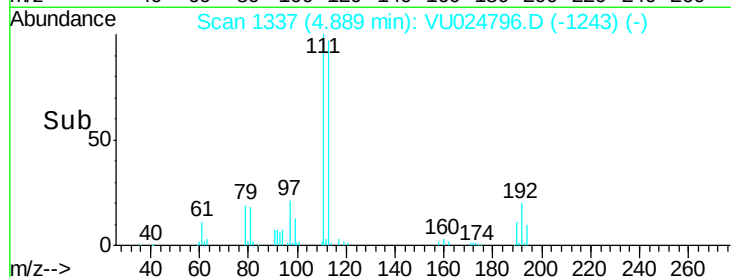
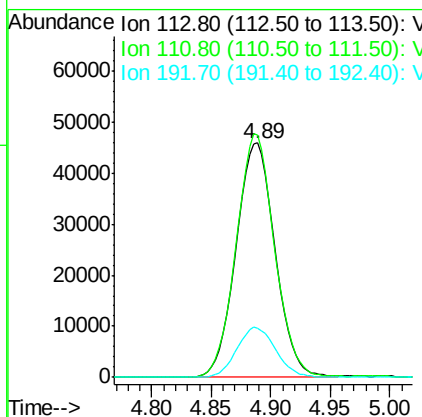
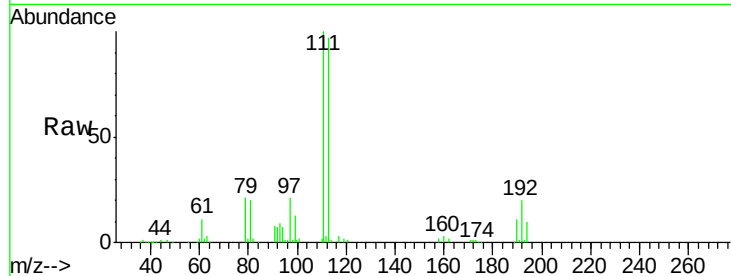
#35
 Dibromofluoromethane
 Concen: 46.46 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104472		
111	101.9	82.2	123.4	
192	21.1	16.2	24.4	

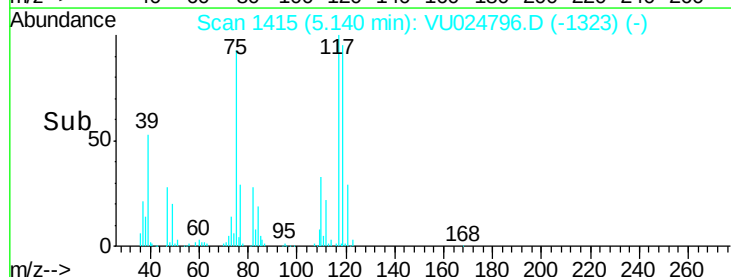
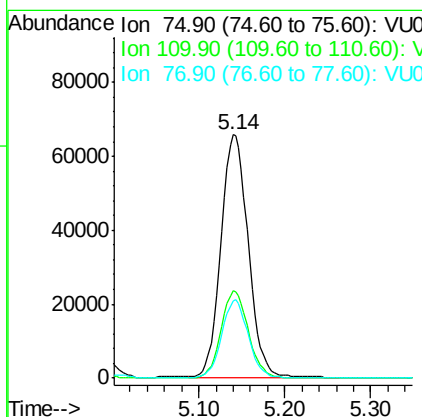
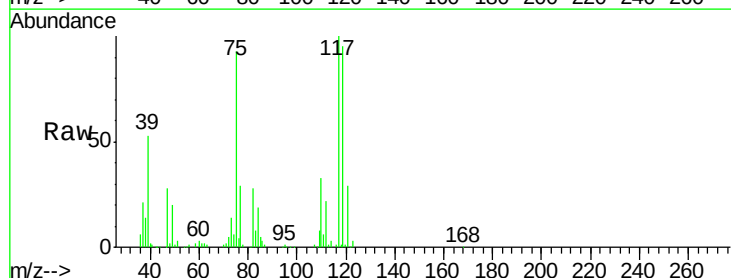
Manual Integrations
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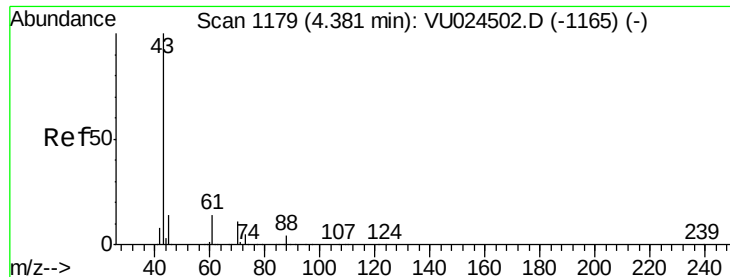
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#36
 1,1-Dichloropropene
 Concen: 45.59 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145155		
110	35.8	17.0	50.9	
77	30.7	24.2	36.4	





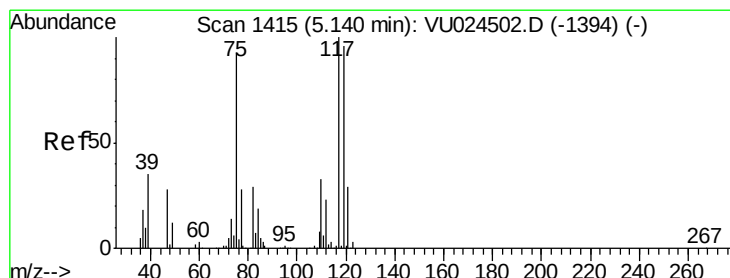
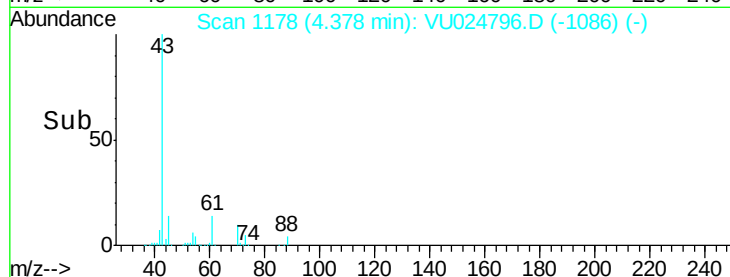
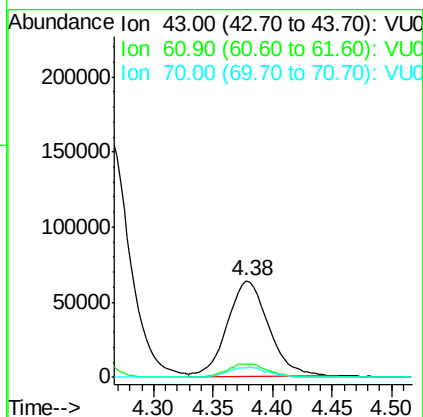
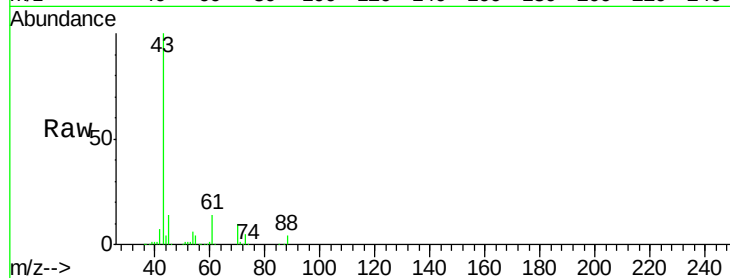
#37
Ethyl Acetate
Concen: 44.00 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	10.6	7.4	11.2

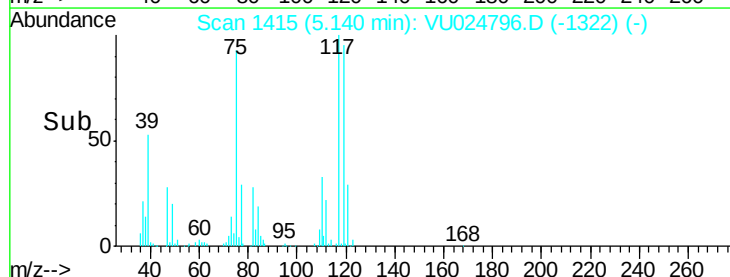
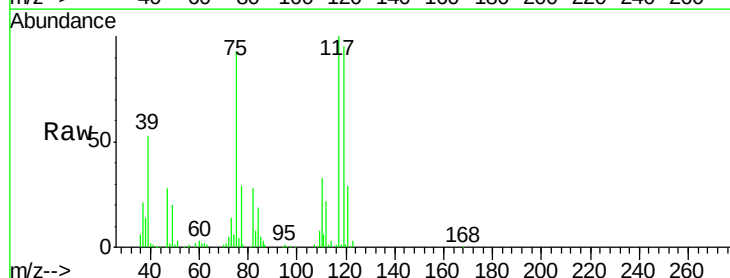
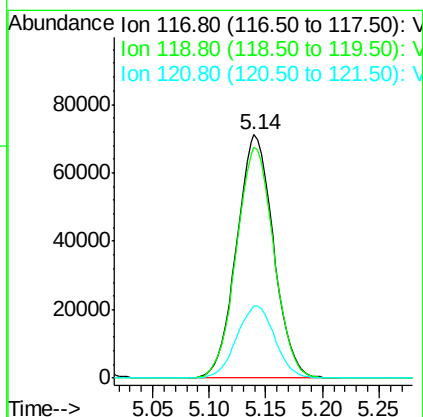
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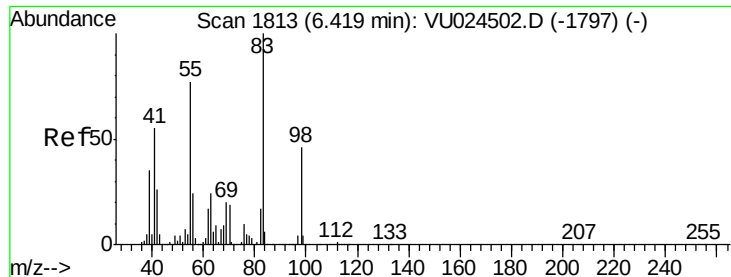
apatel
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#38
Carbon Tetrachloride
Concen: 46.13 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.1	114.1
121	29.4	23.7	35.5





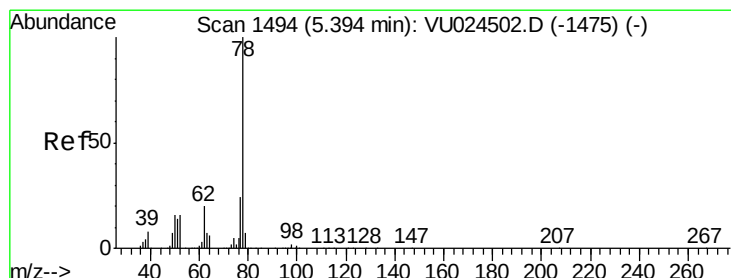
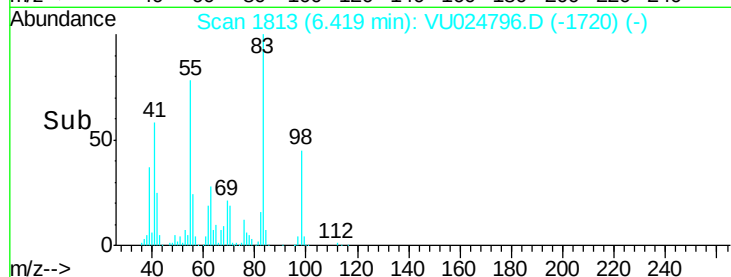
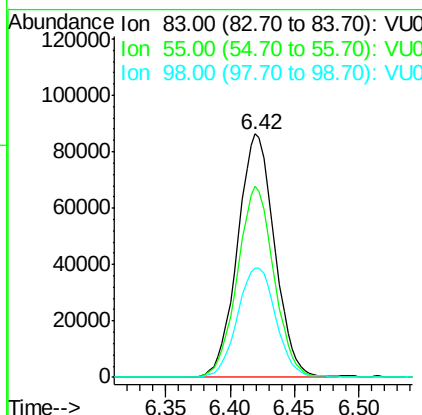
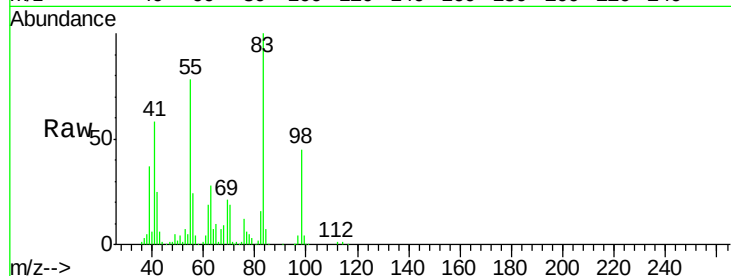
#39
Methylvlcyclohexane
Concen: 43.47 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	65.8	98.6
98	45.0	36.7	55.1

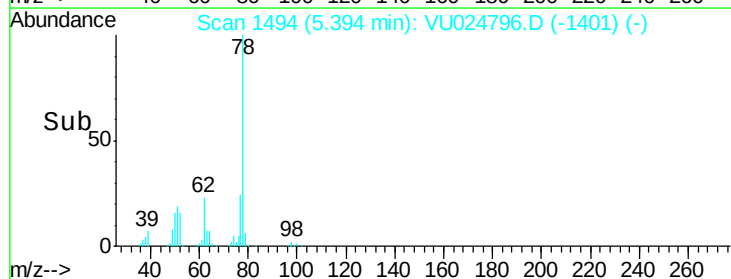
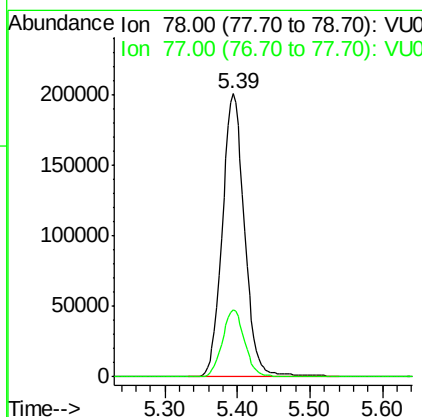
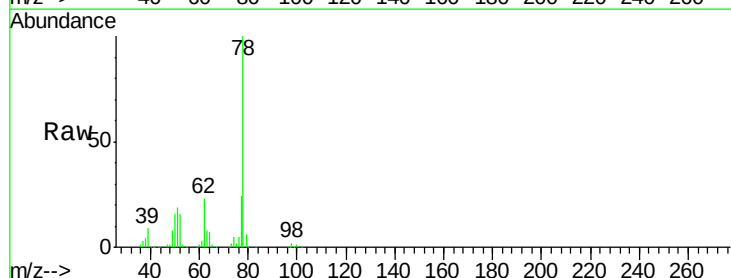
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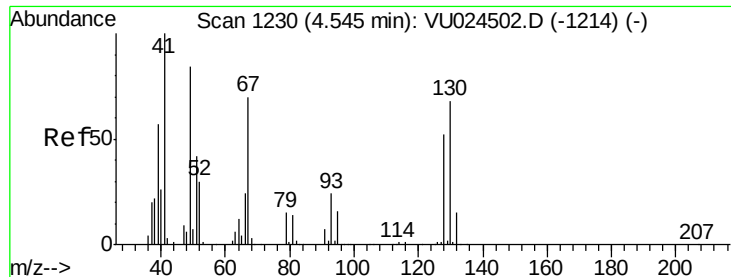
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#40
Benzene
Concen: 47.05 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





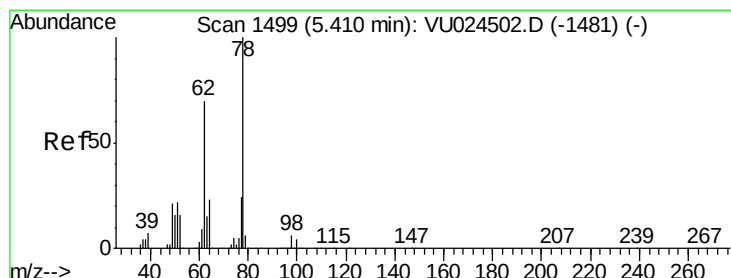
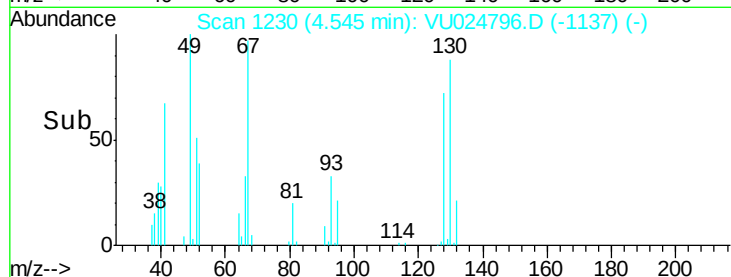
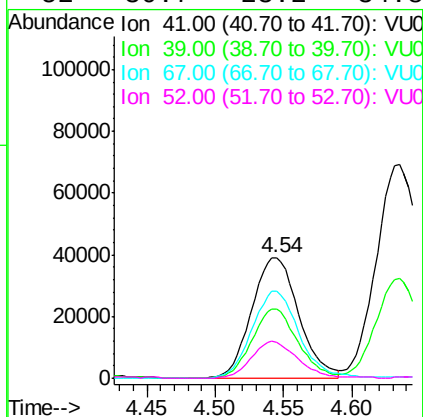
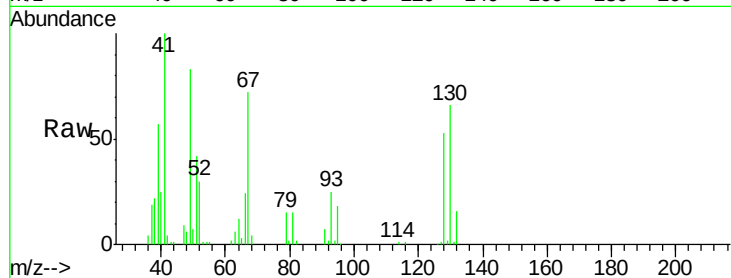
#41
Methacrylonitrile
Concen: 49.72 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		93018		
39	56.5	43.8	65.6		
67	73.2	56.3	84.5		
52	30.7	23.2	34.8		

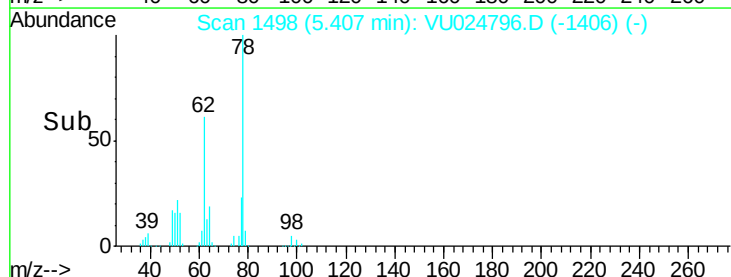
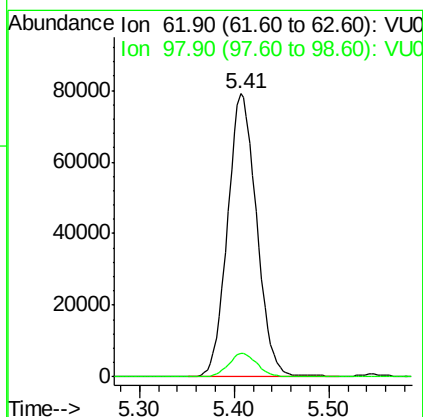
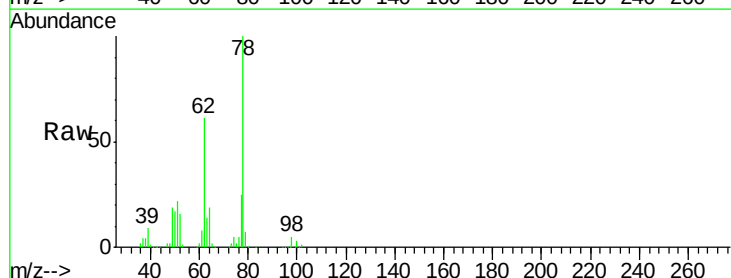
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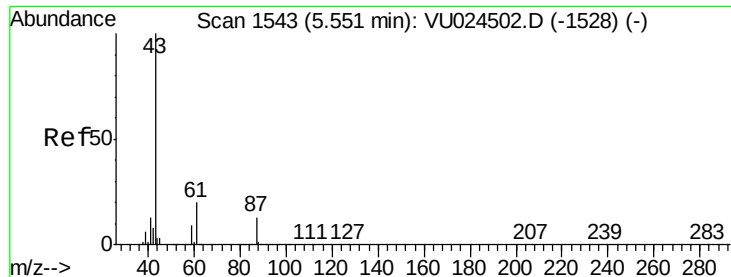
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#42
1,2-Dichloroethane
Concen: 48.91 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		168978		
98	8.2	0.0	16.6		





#43

Isopropyl Acetate

Concen: 43.24 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

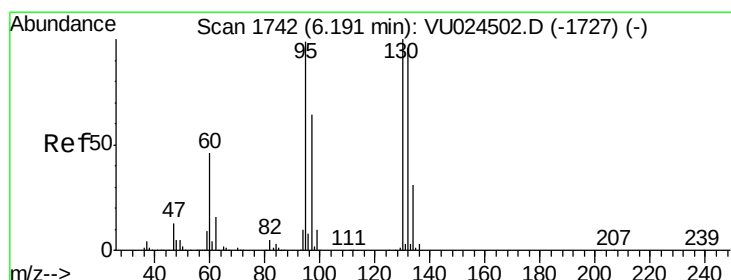
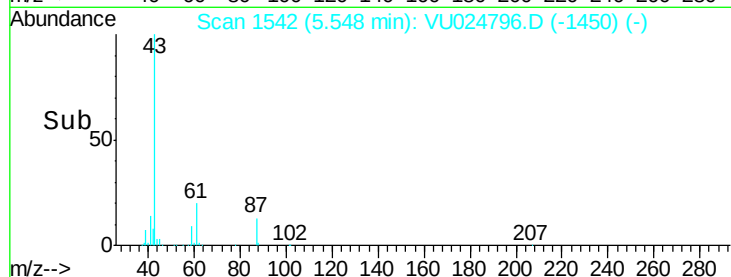
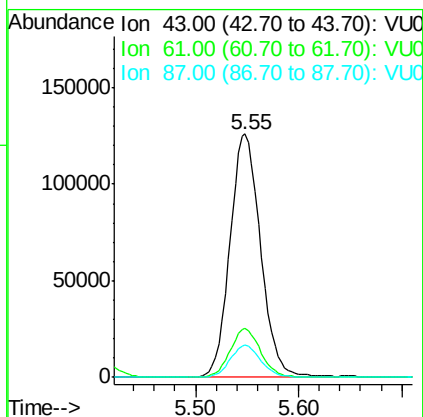
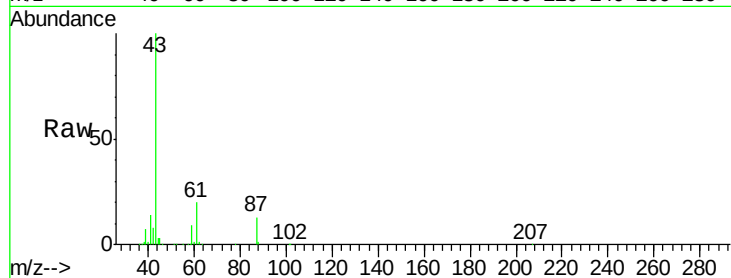
ClientSampleId :

CKMW21MS

Tot Ion:	43	Resp:	259386
Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.4	23.0
87	13.2	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 45.86 ug/l

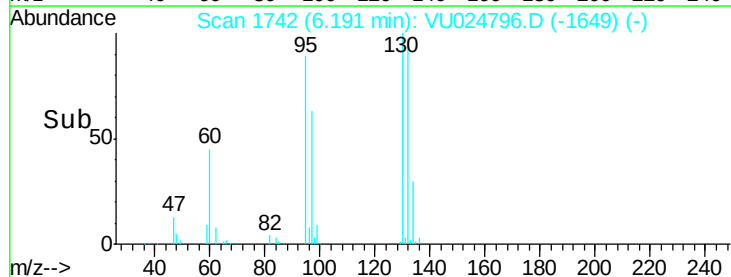
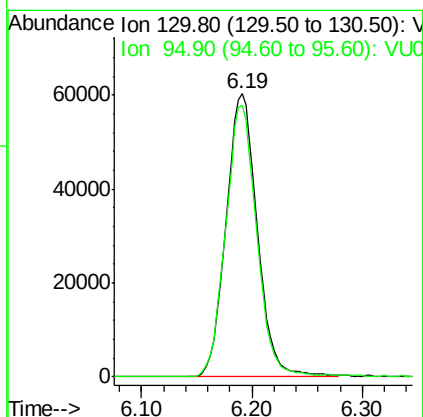
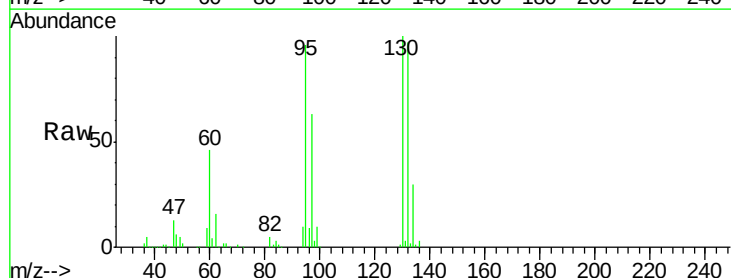
RT: 6.19 min Scan# 1742

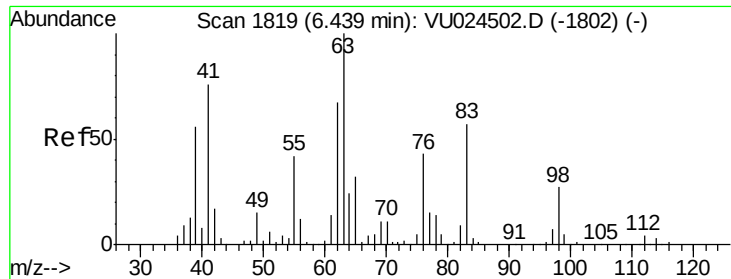
Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	130	Resp:	118393
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





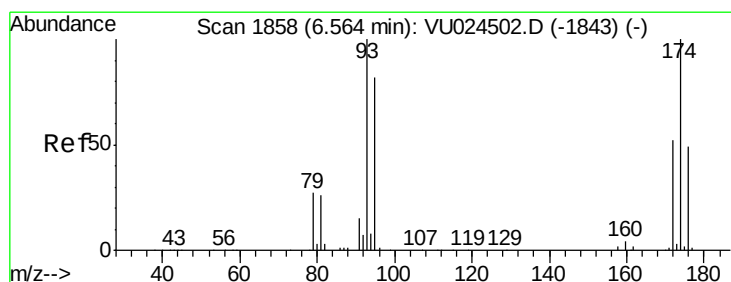
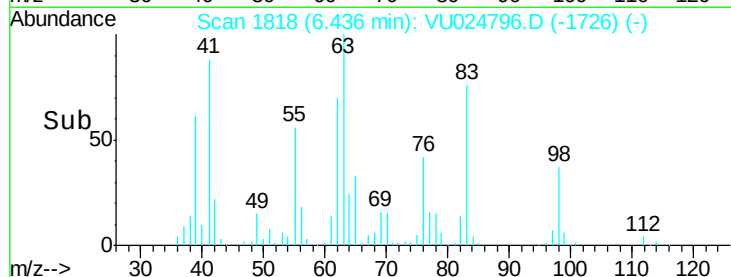
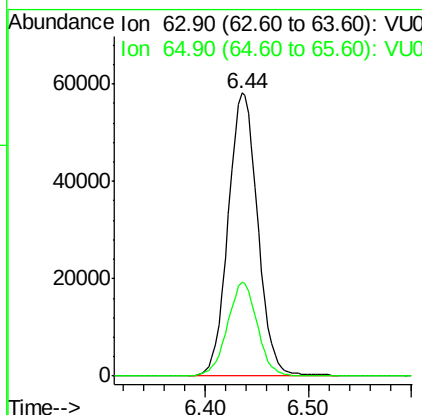
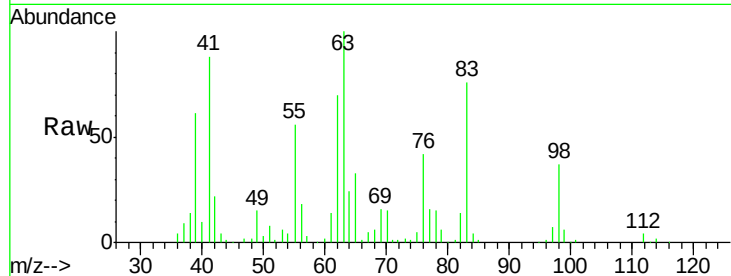
#45
 1,2-Dichloropropane
 Concen: 48.04 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion: 63 Resp: 116286
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.8 37.2

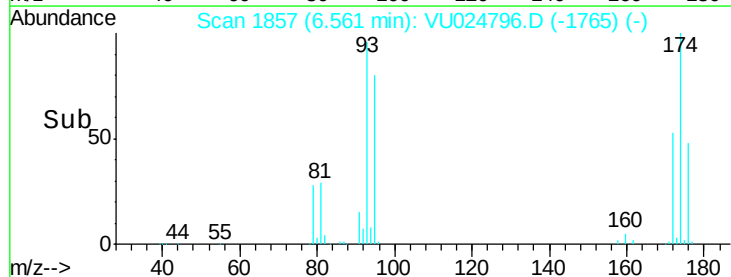
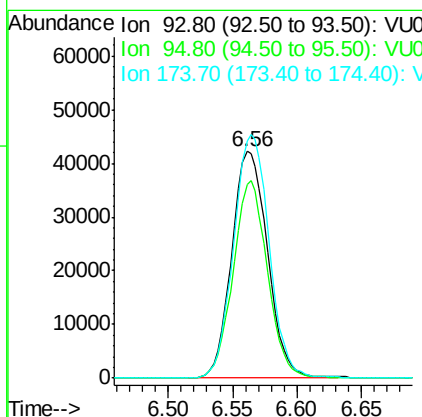
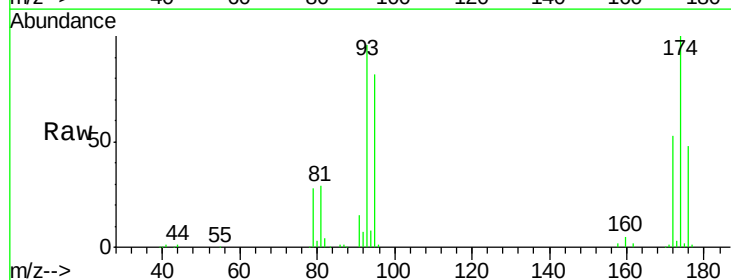
Manual Integrations
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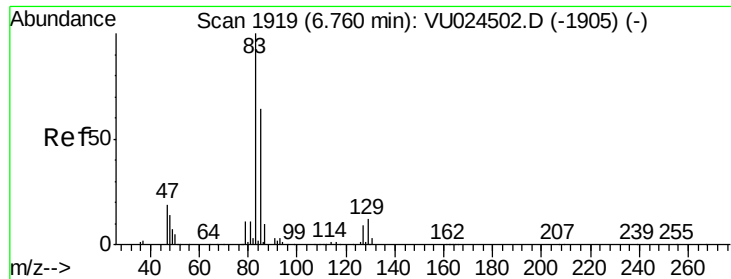
apatel
 6/21/2018 1:45:10 PM



#46
 Dibromomethane
 Concen: 48.15 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 93 Resp: 81870
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.5 98.3
 174 106.4 78.7 118.1





#47

Bromodichloromethane

Concen: 46.86 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

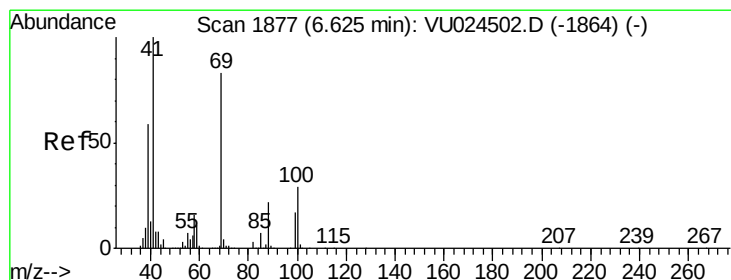
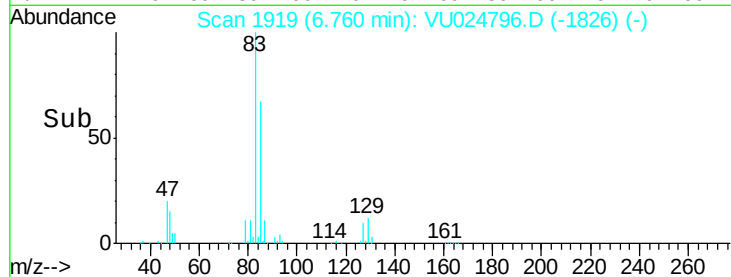
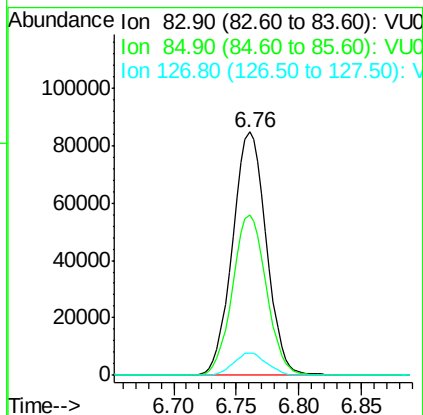
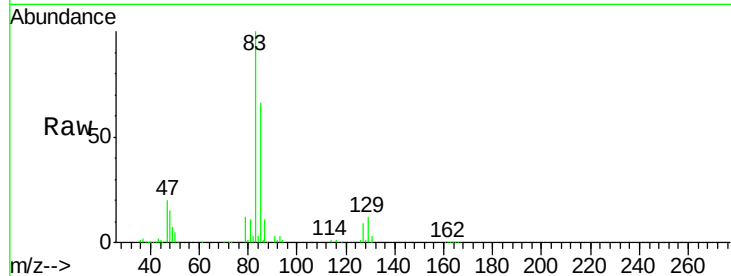
ClientSampleId :

CKMW21MS

Tot Ion:	83	Resp:	158666
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.9	77.9
127	9.4	6.6	9.8

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#48

Methyl methacrylate

Concen: 46.80 ug/l

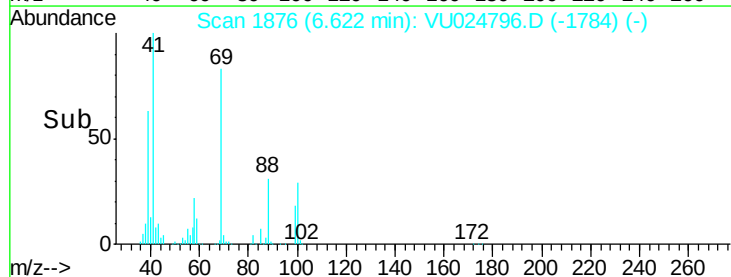
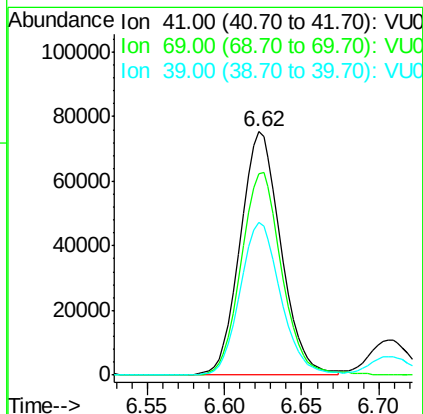
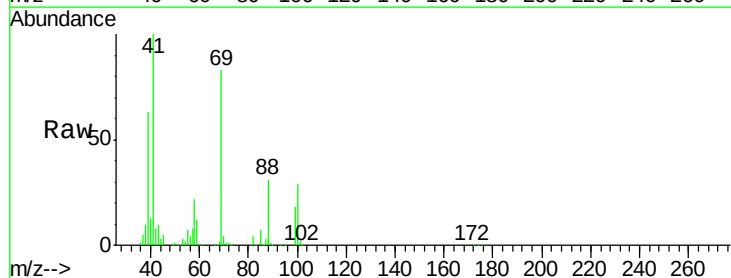
RT: 6.62 min Scan# 1876

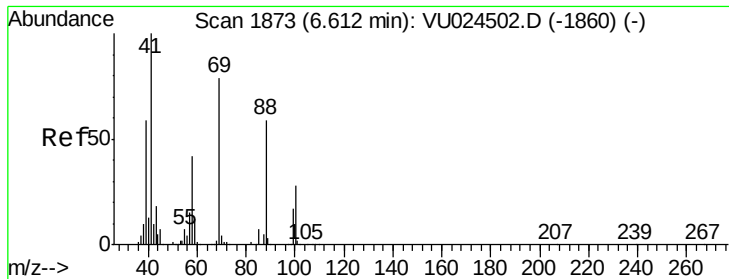
Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	41	Resp:	136684
Ion Ratio	Lower	Upper	
41	100		
69	83.9	67.3	100.9
39	62.6	46.5	69.7





#49

1,4-Dioxane

Concen: 1065.42 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

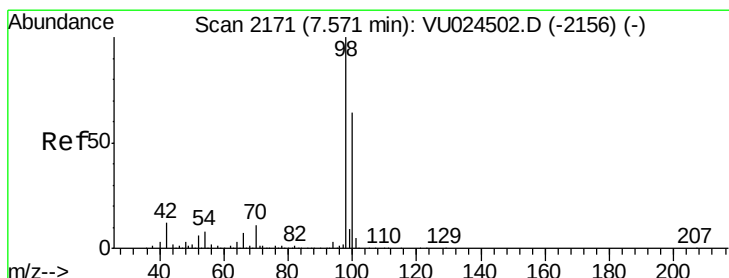
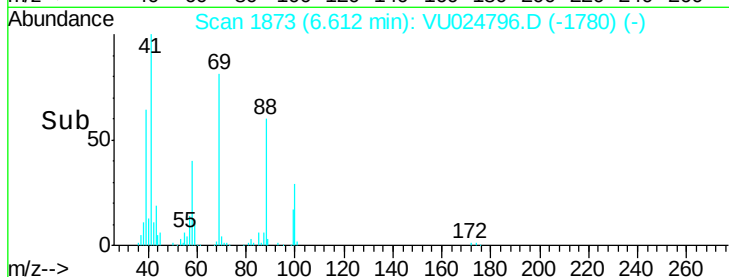
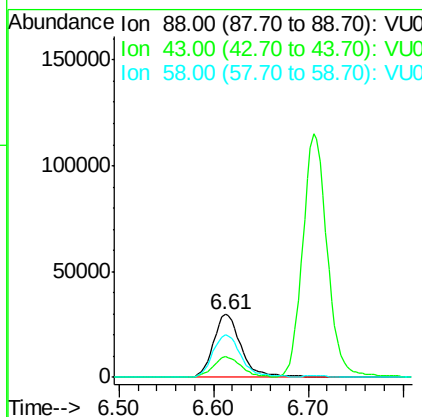
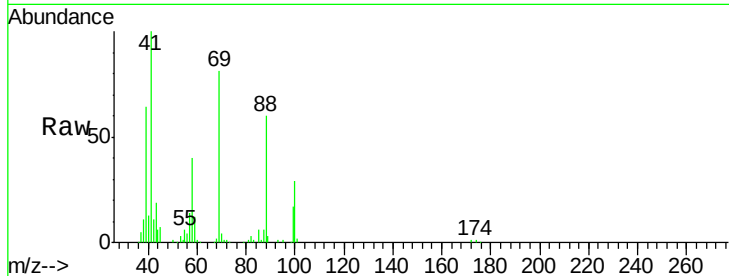
ClientSampleId :

CKMW21MS

Tot Ion:	88	Resp:	60856
Ion	Ratio	Lower	Upper
88	100		
43	32.1	28.6	42.8
58	68.9	58.2	87.4

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#50

Toluene-d8

Concen: 45.65 ug/l

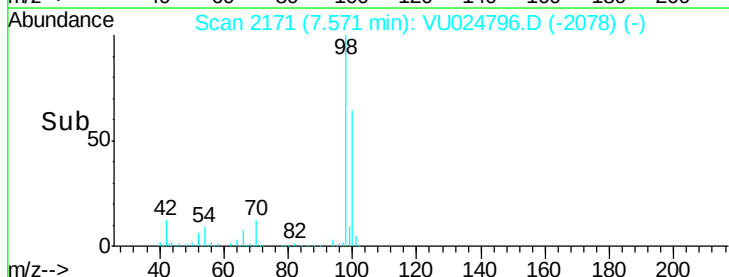
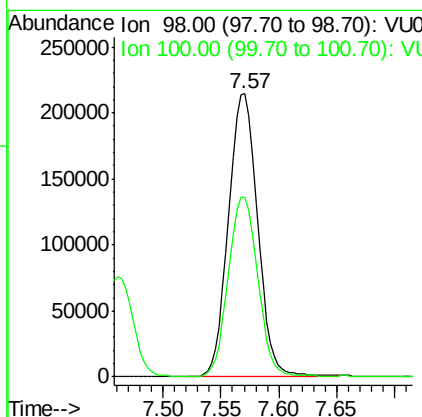
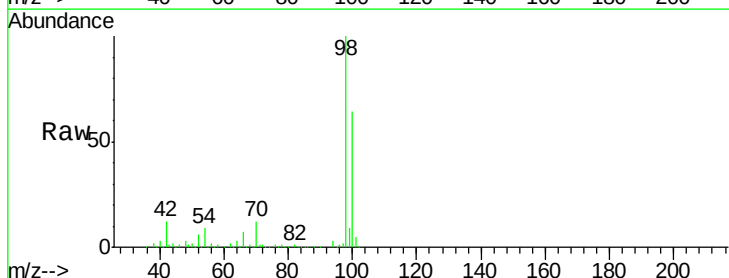
RT: 7.57 min Scan# 2171

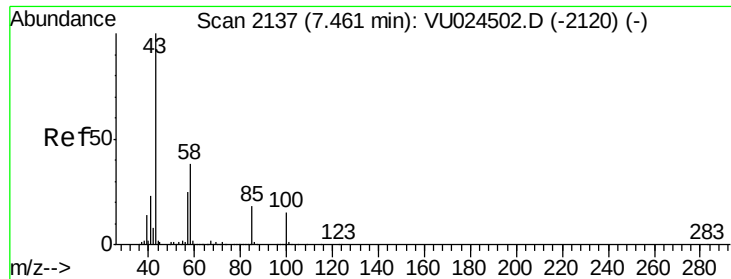
Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	98	Resp:	374429
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 238.52 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

CKMW21MS

Tot Ion: 43 Resp: 898849

Ion Ratio Lower Upper

43 100

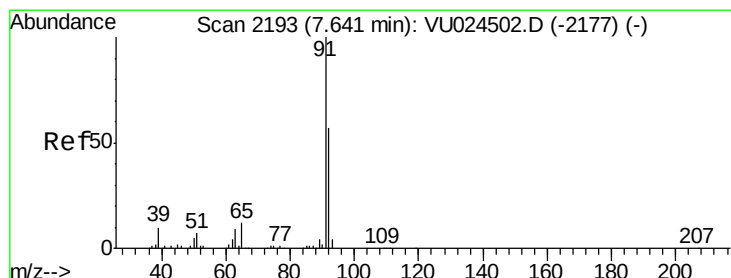
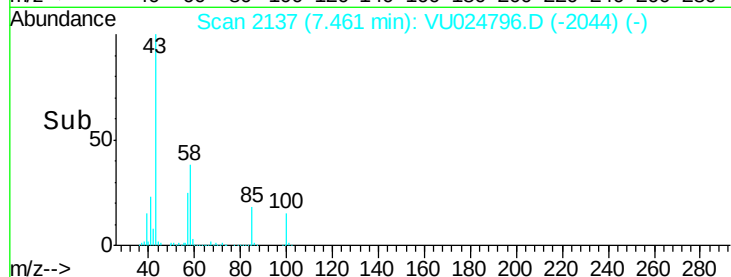
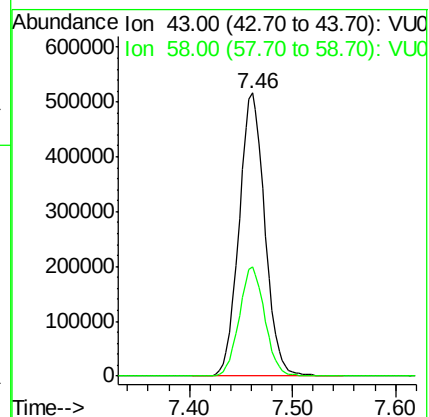
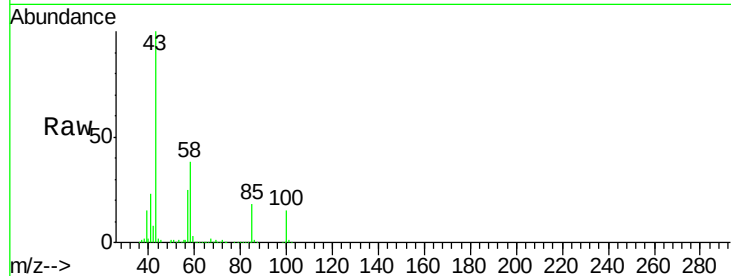
58 38.4 30.0 45.0

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#52

Toluene

Concen: 47.30 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024796.D

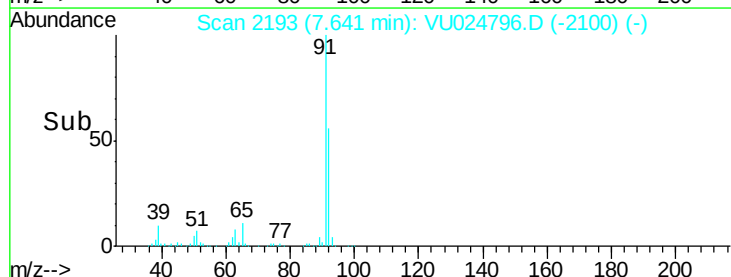
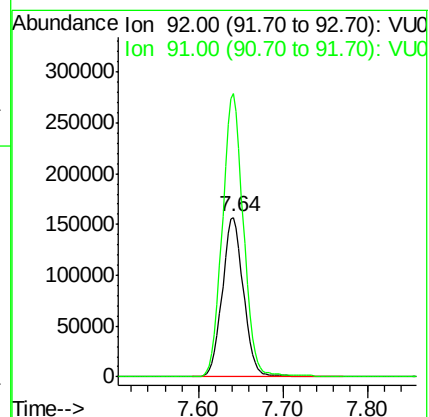
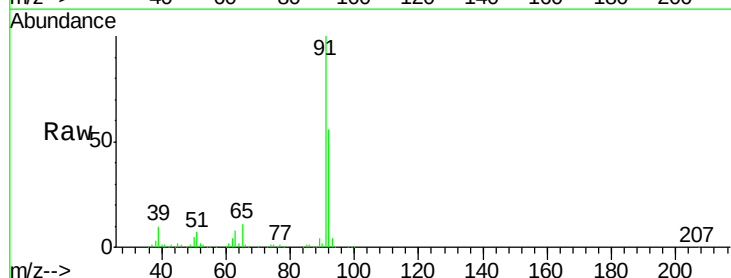
Acq: 21 Jun 2018 07:41

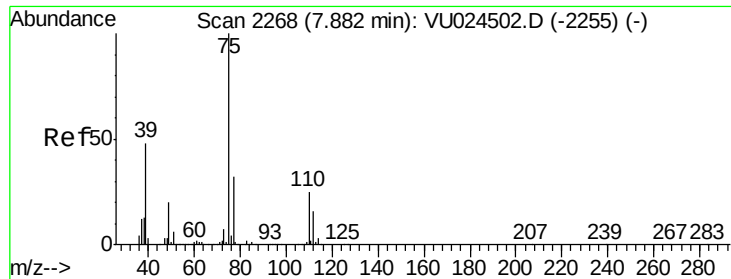
Tgt Ion: 92 Resp: 276064

Ion Ratio Lower Upper

92 100

91 176.7 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 43.00 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampled :

CKMW21MS

Tot Ion: 75 Resp: 163497

Ion Ratio Lower Upper

75 100

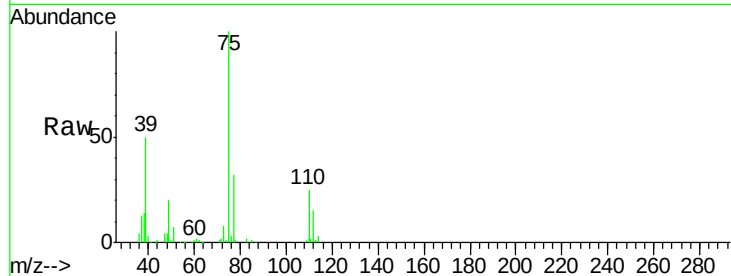
77 31.7 24.8 37.2

Manual Integrations

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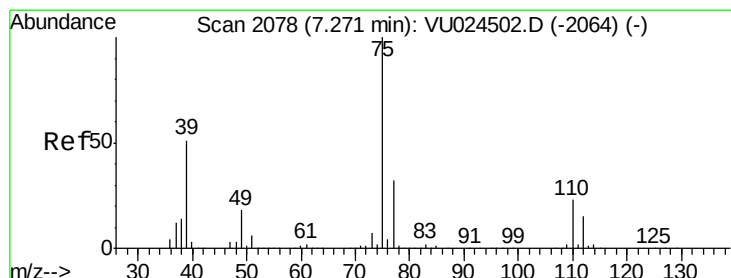
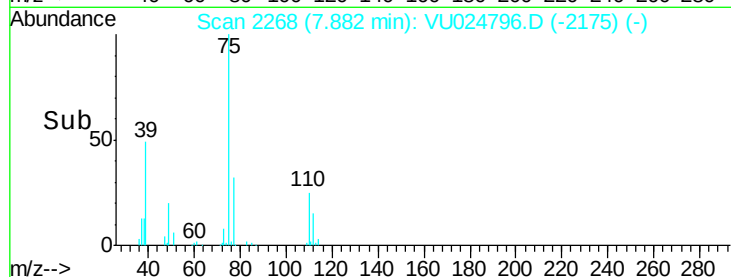
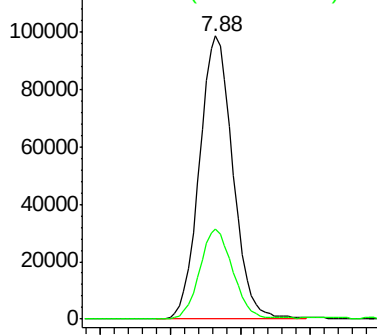
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 41.87 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

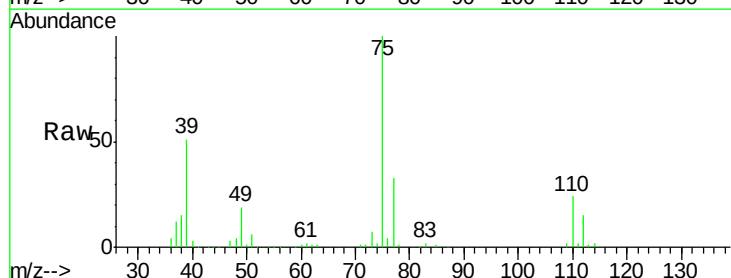
Tgt Ion: 75 Resp: 169656

Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

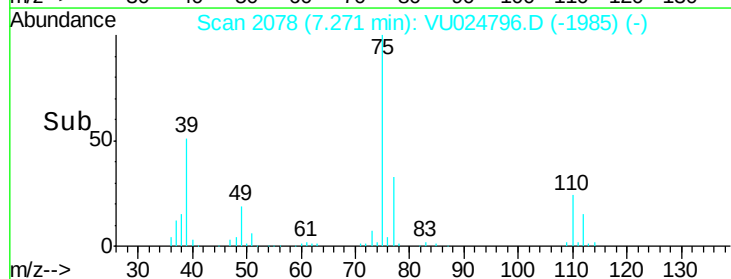
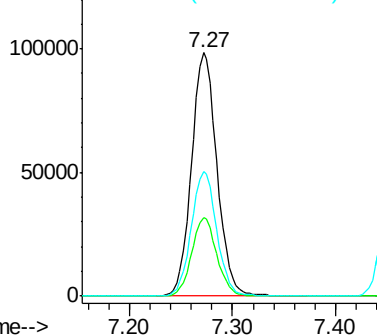
39 51.2 39.8 59.6

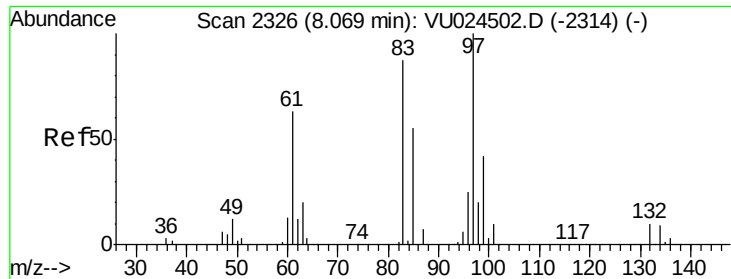


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





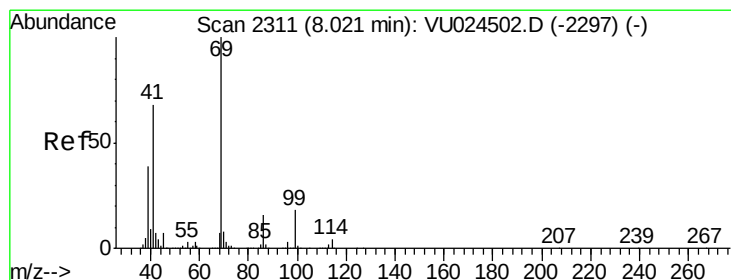
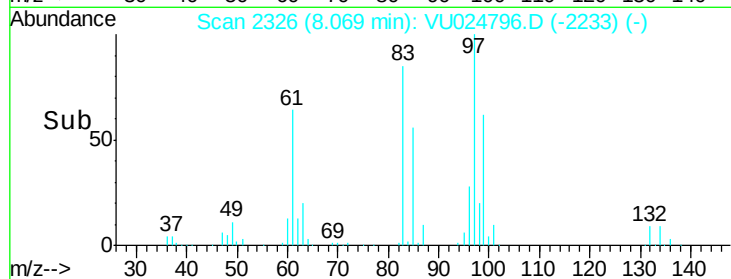
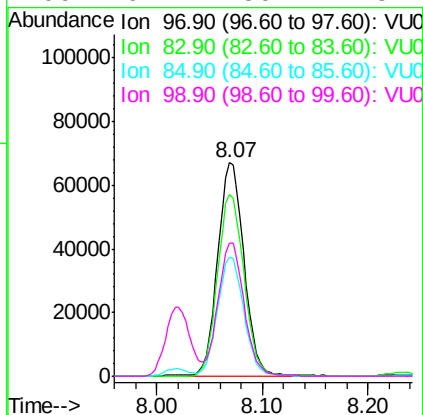
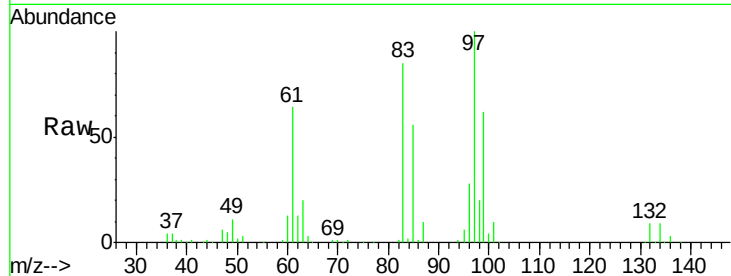
#55
 1,1,2-Trichloroethane
 Concen: 48.97 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion:	97	Resp:	116182
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.5	105.7
85	55.8	46.4	69.6
99	62.2	50.2	75.2

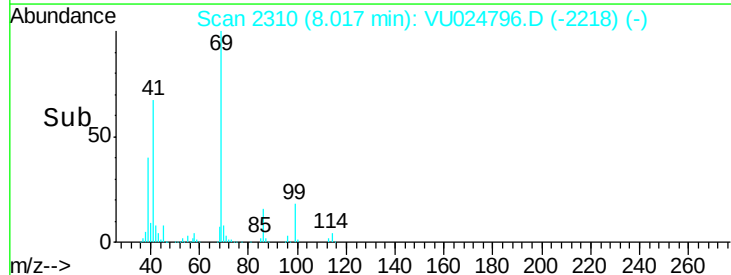
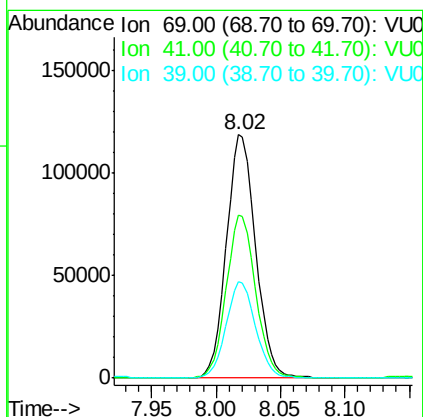
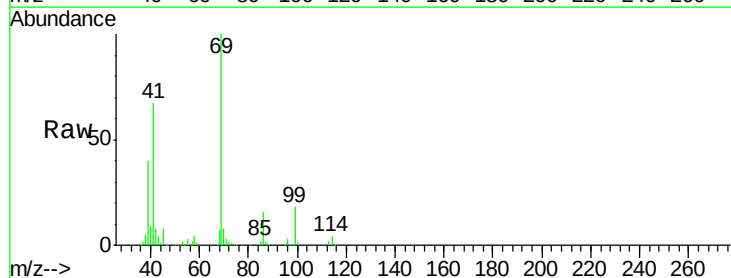
Manual Integrations
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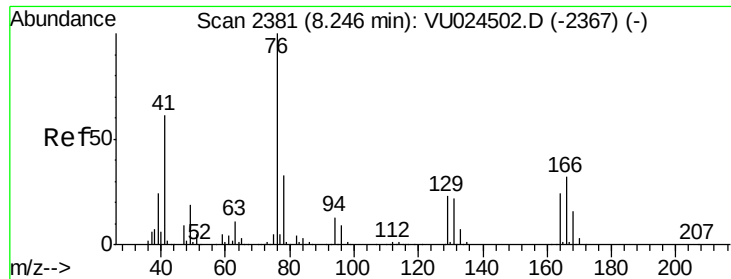
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#56
 Ethyl methacrylate
 Concen: 47.16 ug/l
 RT: 8.02 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion:	69	Resp:	187273
Ion	Ratio	Lower	Upper
69	100		
41	66.8	54.1	81.1
39	39.5	30.3	45.5





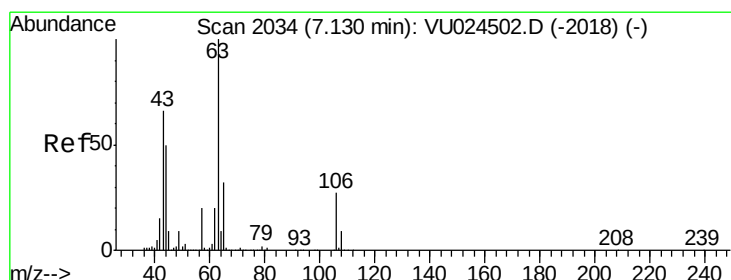
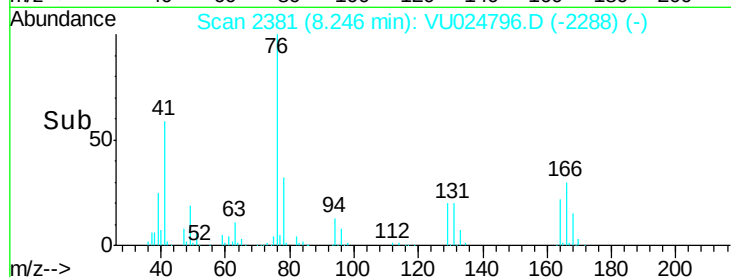
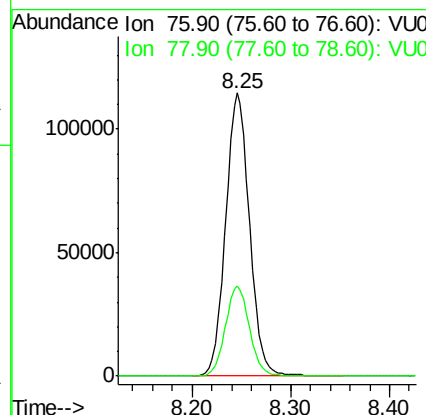
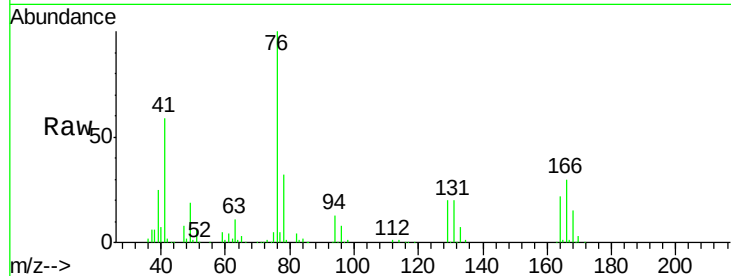
#57
 1,3-Dichloropropane
 Concen: 48.73 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampled :
 CKMW21MS

Tot Ion: 76 Resp: 195017
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

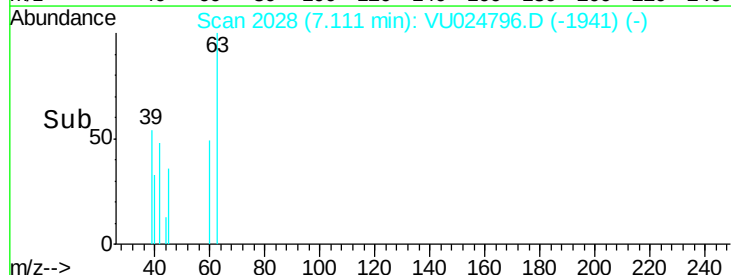
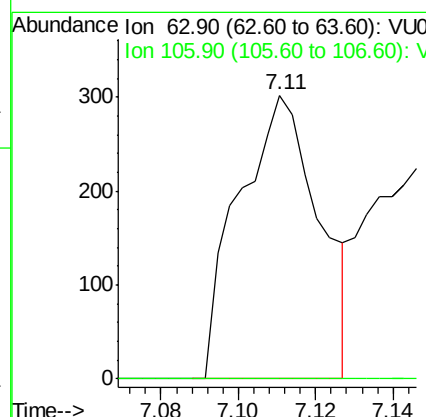
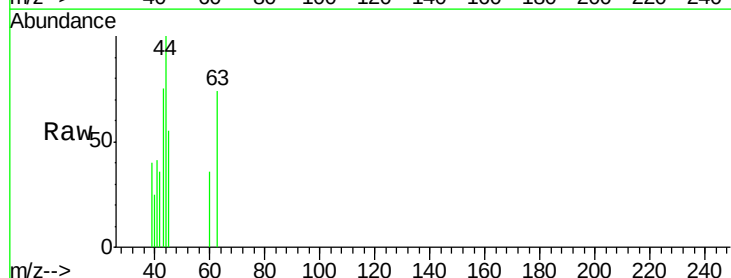
Manual Integrations
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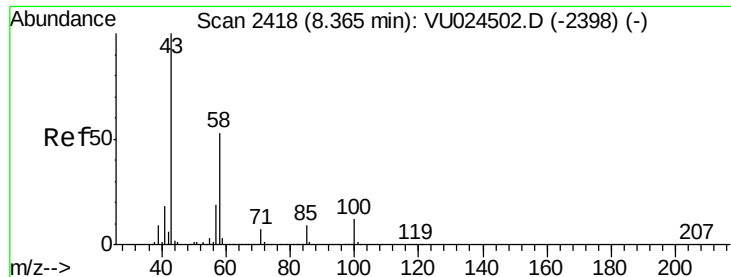
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#58
 2-Chloroethyl Vinyl ether
 Concen: 0.29 ug/l
 RT: 7.11 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion: 63 Resp: 437
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#





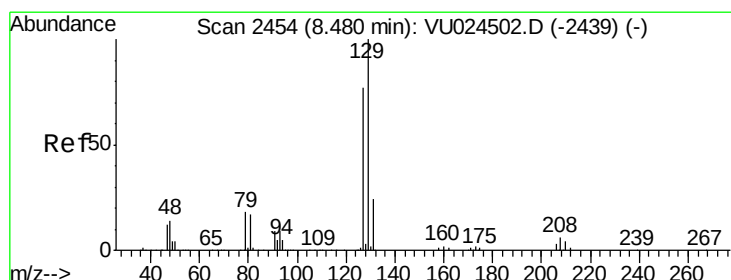
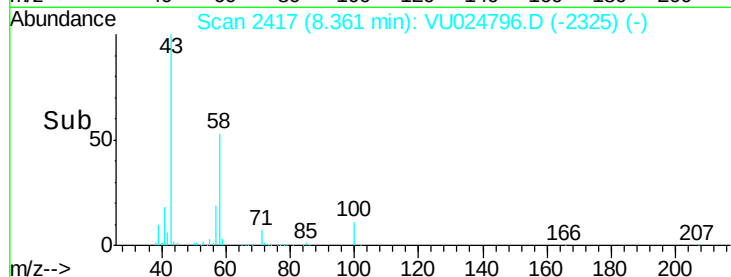
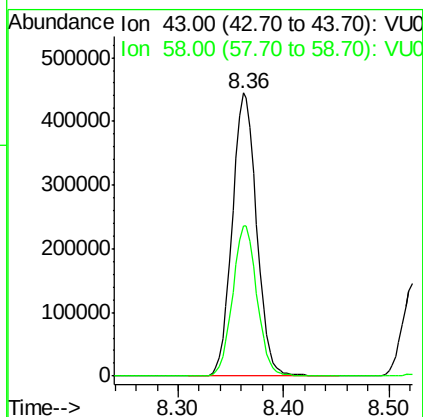
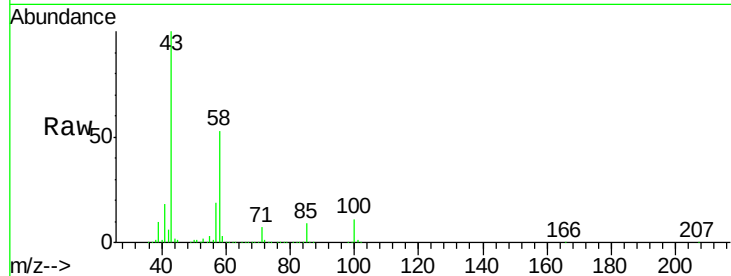
#59
2-Hexanone
Concen: 230.94 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion: 43 Resp: 710484
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

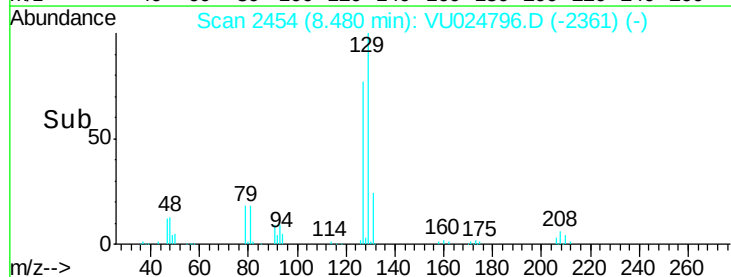
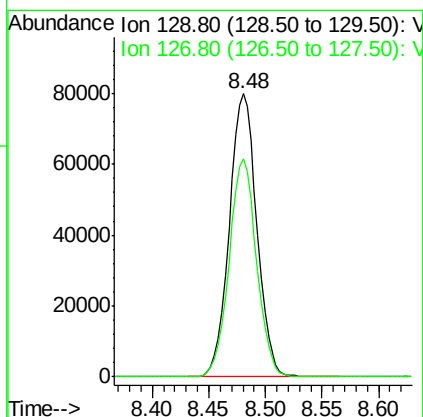
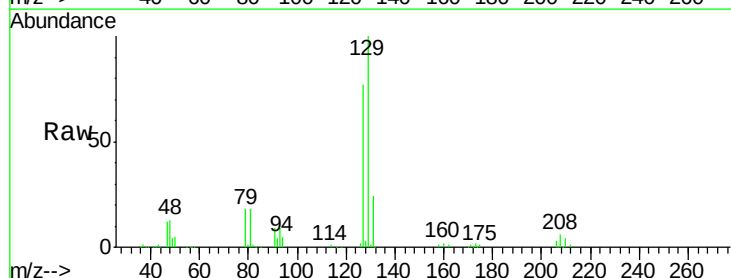
Manual Integrations
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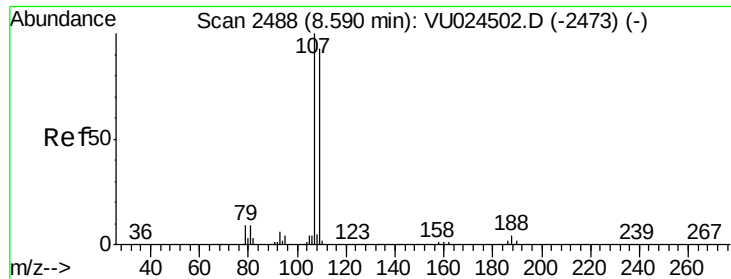
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#60
Dibromochloromethane
Concen: 45.58 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 129 Resp: 134841
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





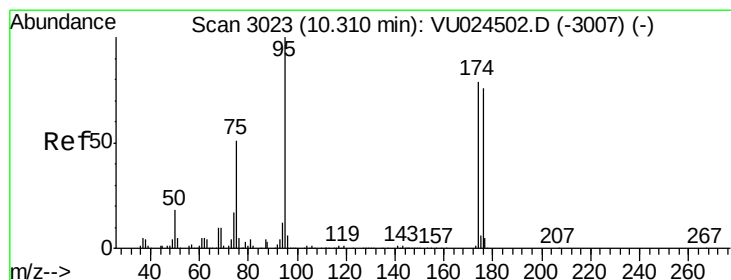
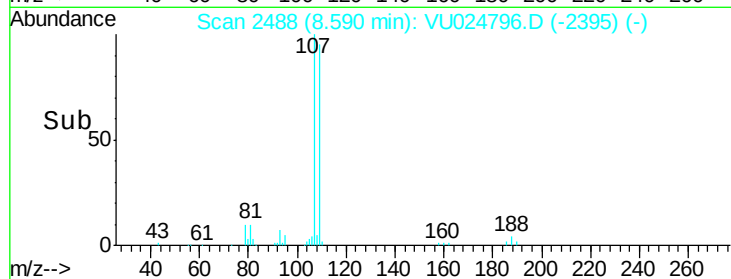
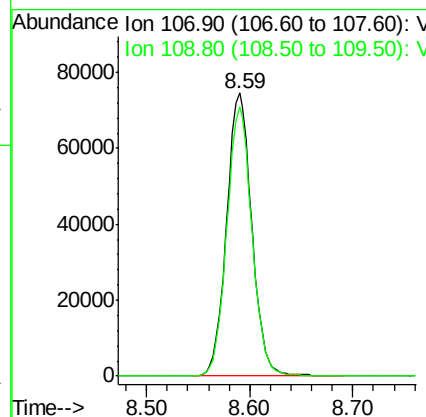
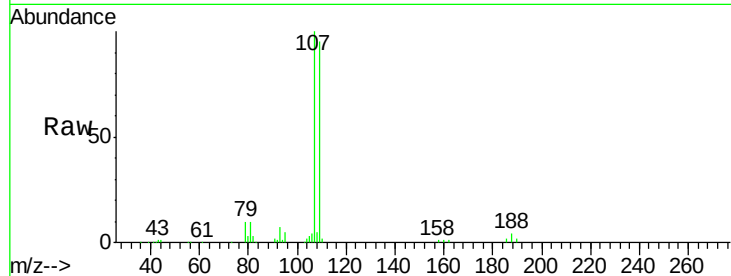
#61
 1,2-Dibromoethane
 Concen: 48.02 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	126805		
109	94.9	74.5	111.7	

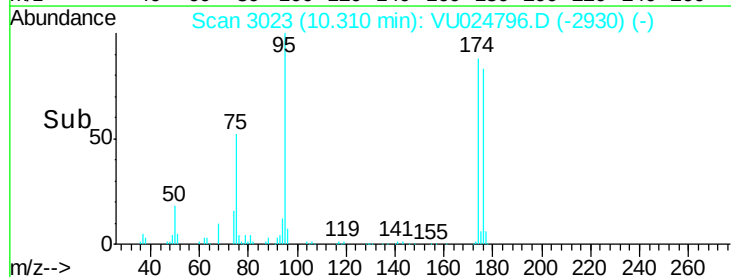
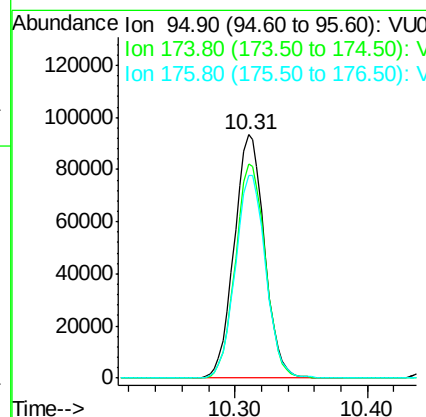
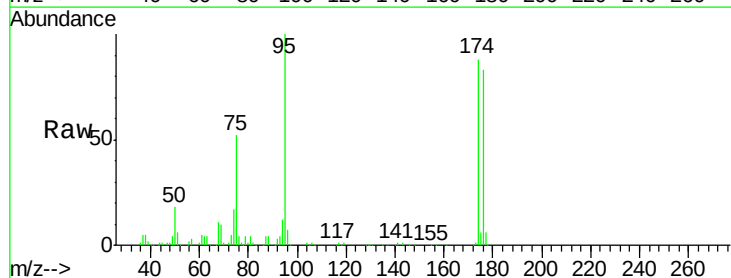
Manual Integrations
 APPROVED

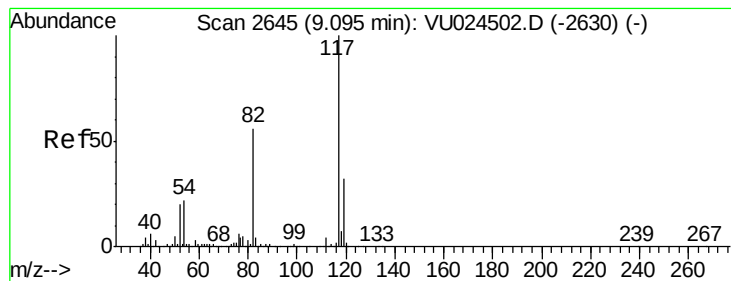
apatel
 6/21/2018 1:45:10 PM



#62
 4-Bromofluorobenzene
 Concen: 45.41 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	147883		
174	87.3	0.0	165.8	
176	83.9	0.0	159.4	





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

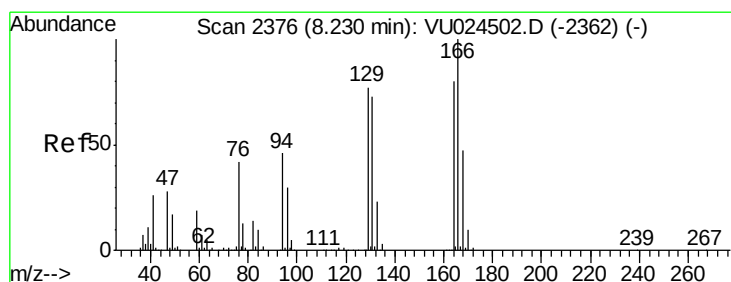
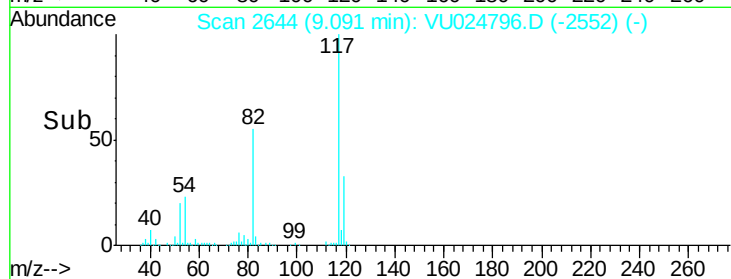
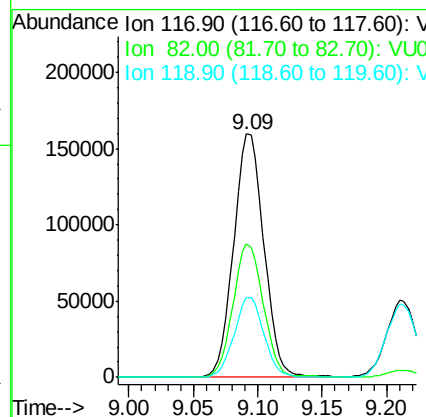
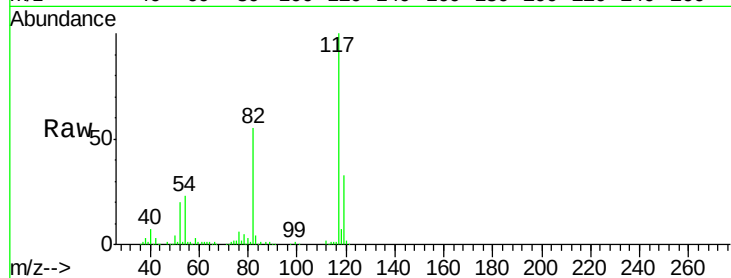
ClientSampleId :

CKMW21MS

Tot Ion:	117	Resp:	260712
Ion Ratio		Lower	Upper
117	100		
82	55.0	44.3	66.5
119	32.6	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 41.72 ug/l

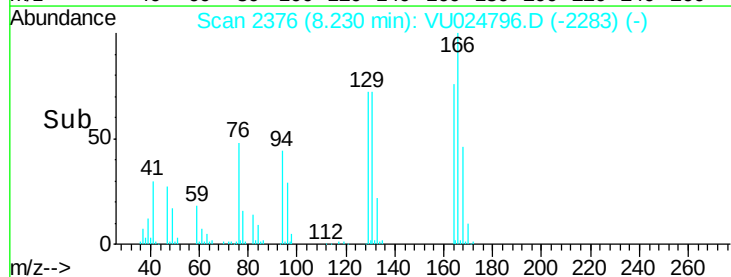
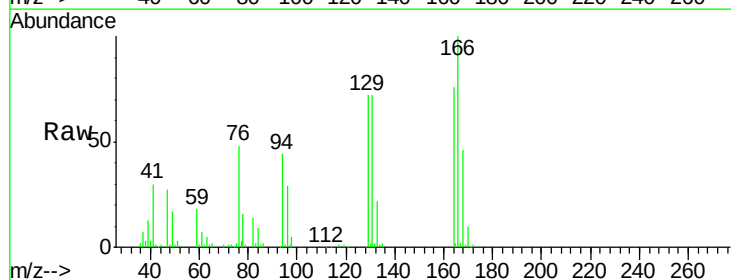
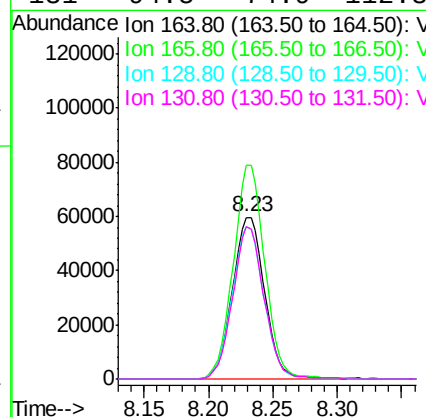
RT: 8.23 min Scan# 2376

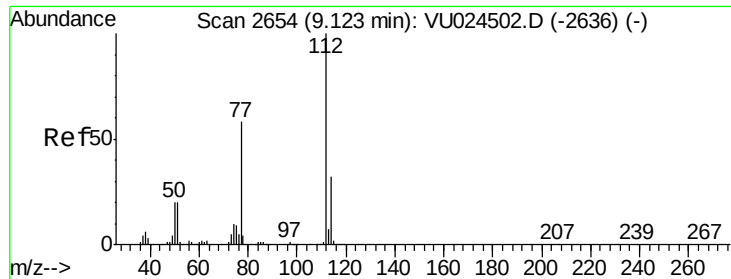
Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	164	Resp:	103393
Ion Ratio		Lower	Upper
164	100		
166	132.1	101.7	152.5
129	94.5	76.9	115.3
131	94.5	74.9	112.3





#65

Chlorobenzene

Concen: 47.59 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion:112 Resp: 316962

Ion Ratio Lower Upper

112 100

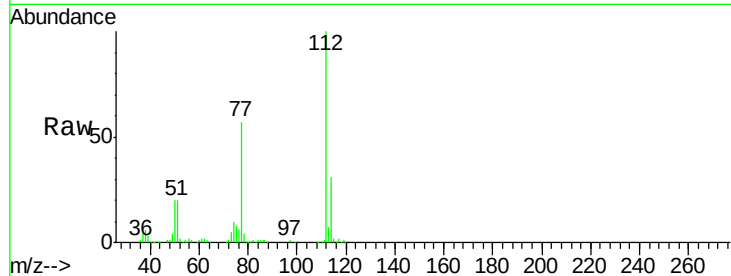
114 31.4 25.6 38.4

Manual Integrations

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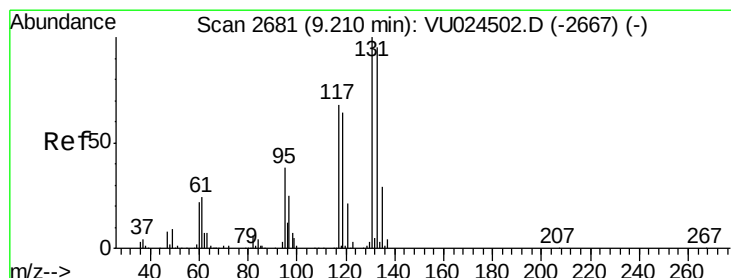
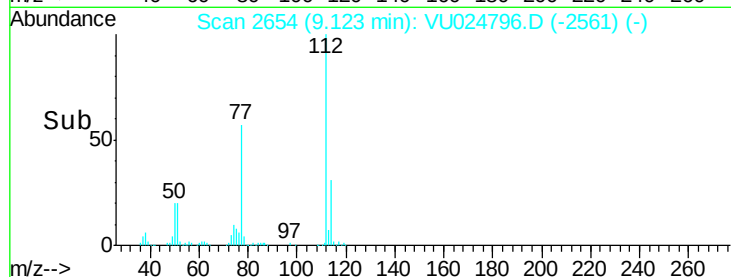
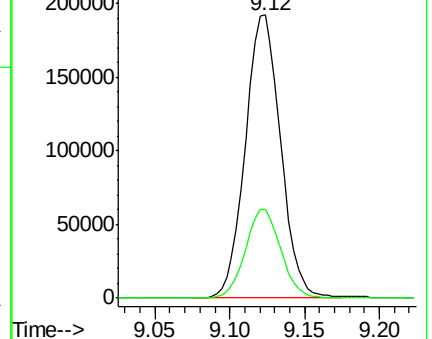
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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: VU024796.D

Acq: 21 Jun 2018 07:41

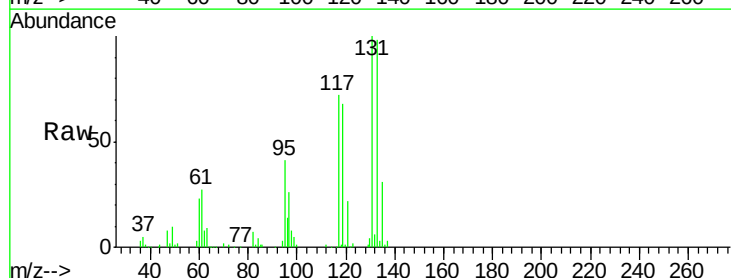
Tgt Ion:131 Resp: 118583

Ion Ratio Lower Upper

131 100

133 97.2 46.9 140.8

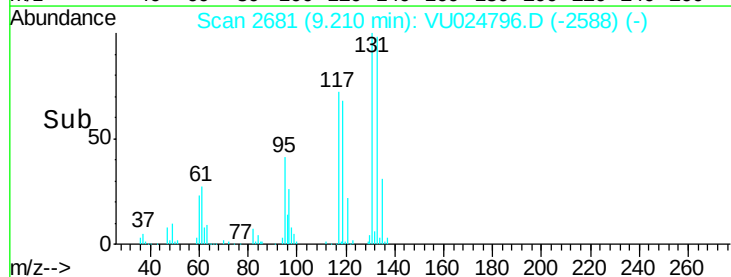
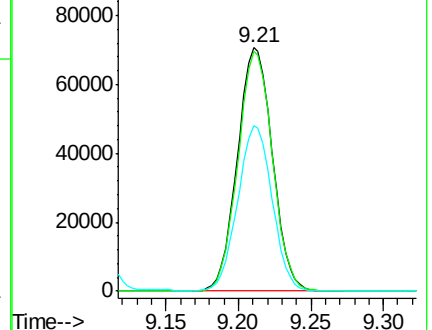
119 66.9 33.5 100.4

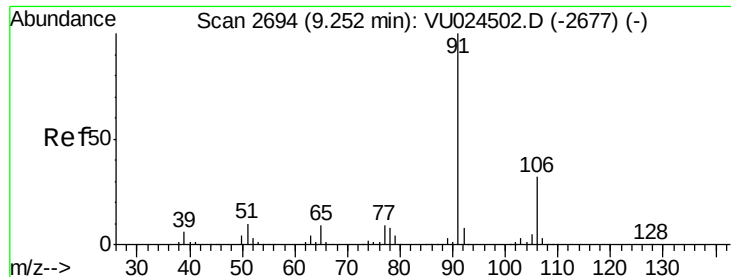


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





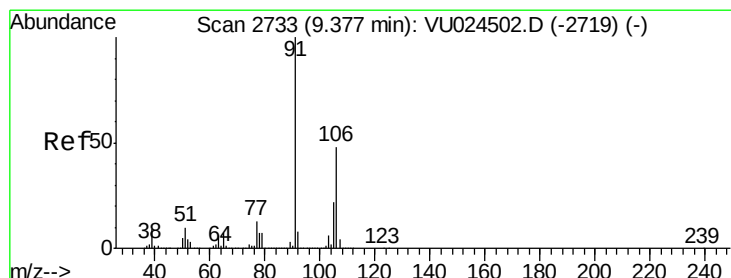
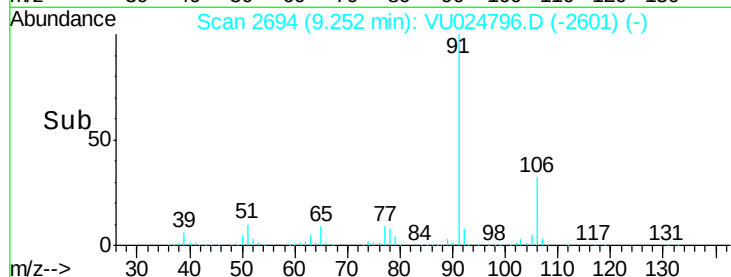
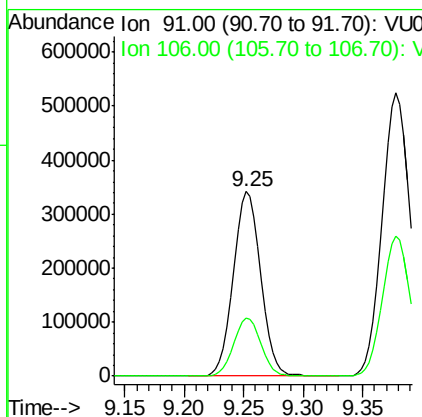
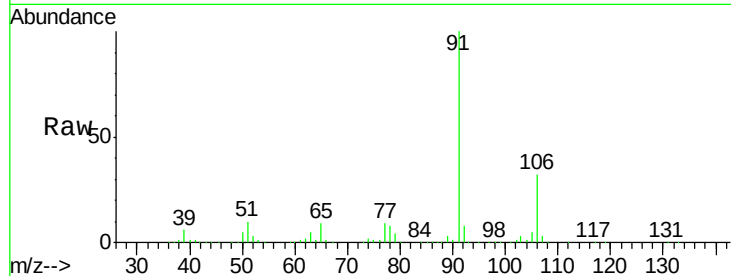
#67
Ethyl Benzene
Concen: 46.71 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion: 91 Resp: 545352
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4

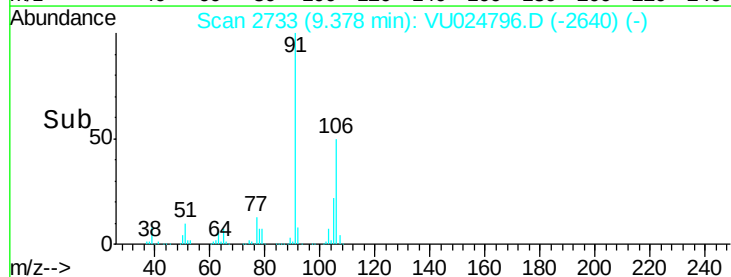
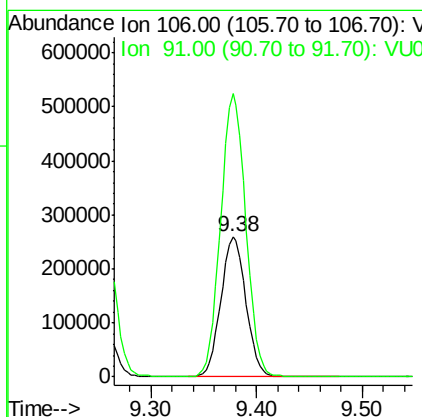
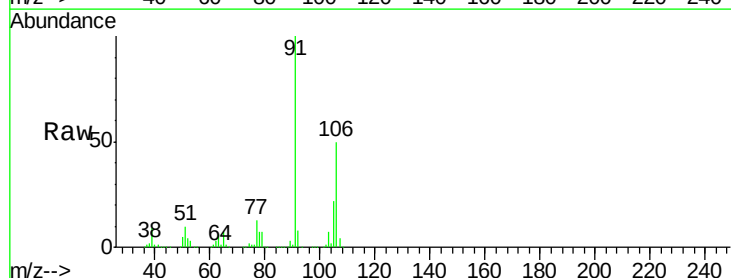
Manual Integrations
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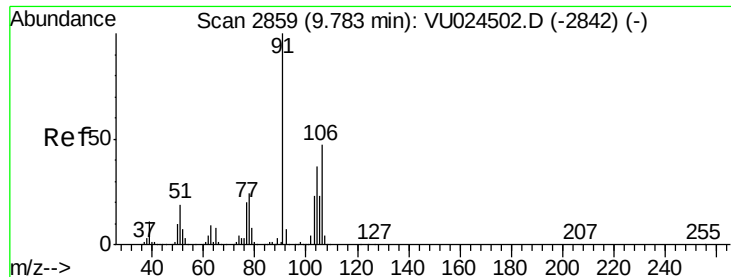
apatel
6/21/2018 1:45:10 PM



#68
m/p-Xylenes
Concen: 94.98 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion: 106 Resp: 425825
Ion Ratio Lower Upper
106 100
91 202.7 166.5 249.7





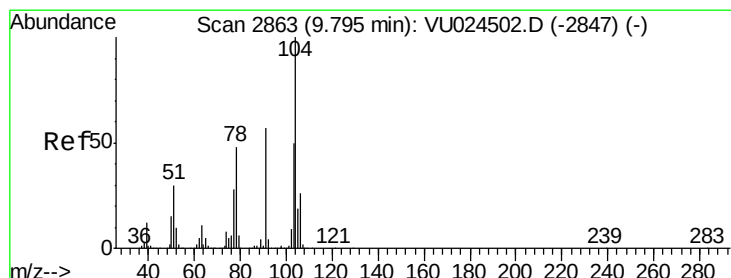
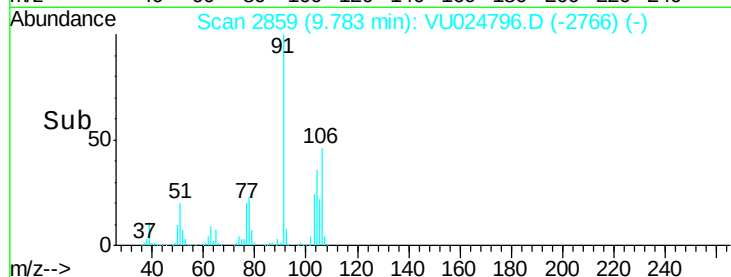
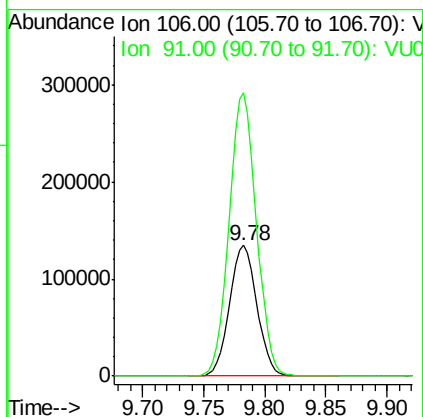
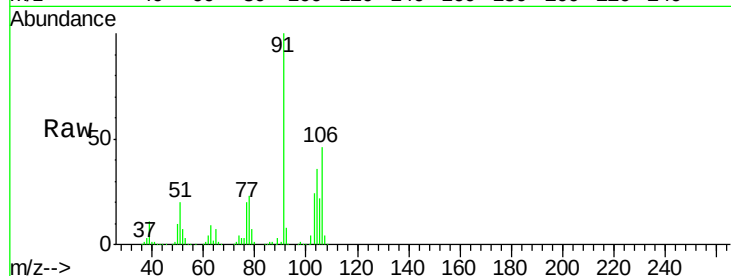
#69
o-Xylene
Concen: 47.57 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampled :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	110.7	331.9

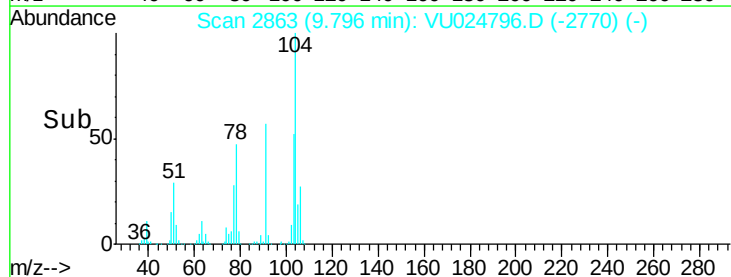
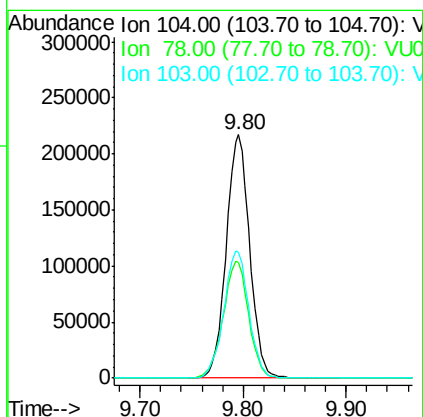
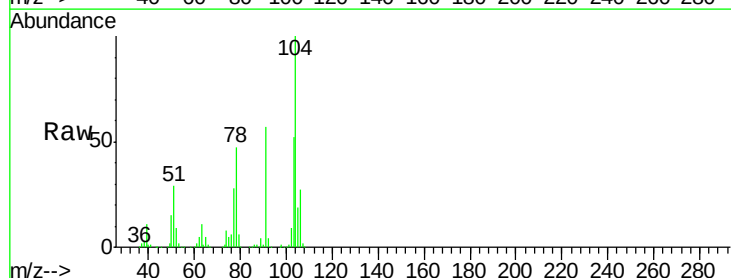
Manual Integrations
APPROVED

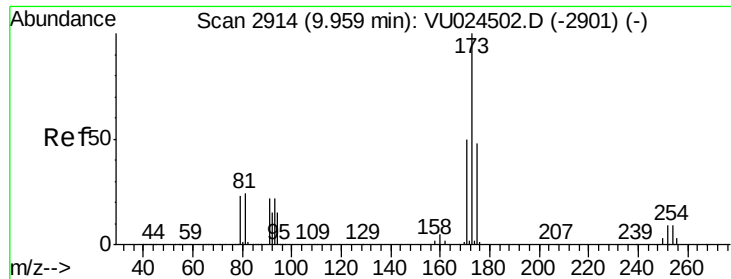
apatel
6/21/2018 1:45:10 PM



#70
Styrene
Concen: 47.22 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.6	60.8
103	55.6	44.7	67.1





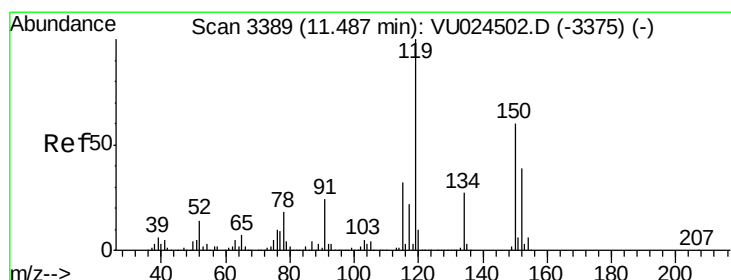
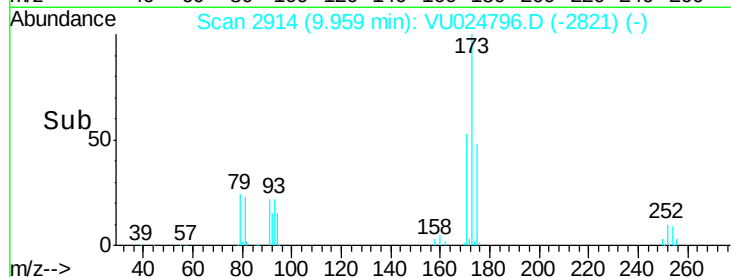
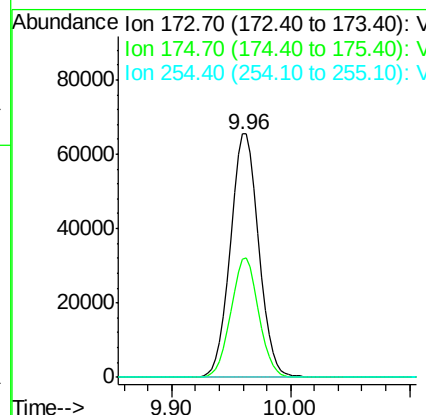
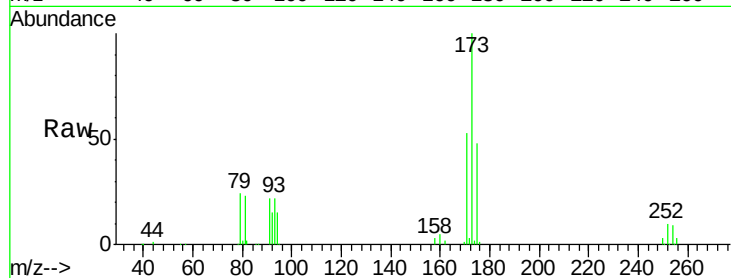
#71
Bromoform
Concen: 44.98 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.1	0.0	0.0#

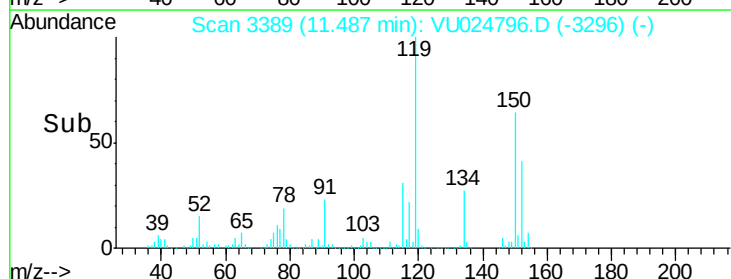
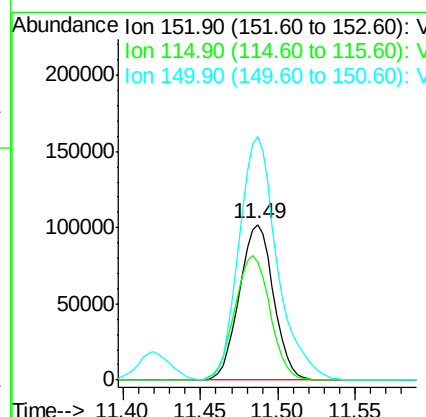
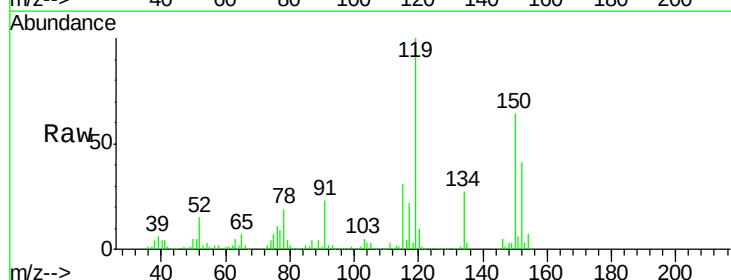
Manual Integrations
APPROVED

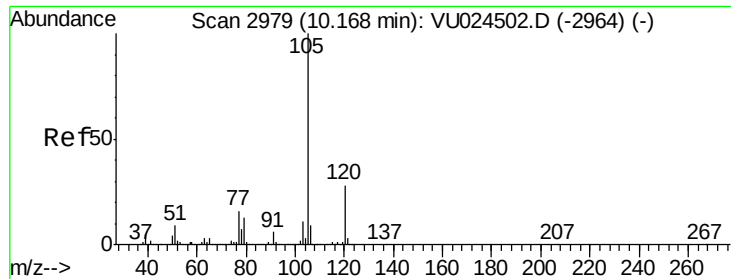
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.5	43.0	129.0
150	173.2	0.0	354.0





#73

Isopropylbenzene

Concen: 47.23 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion: 105 Resp: 570666

Ion Ratio Lower Upper

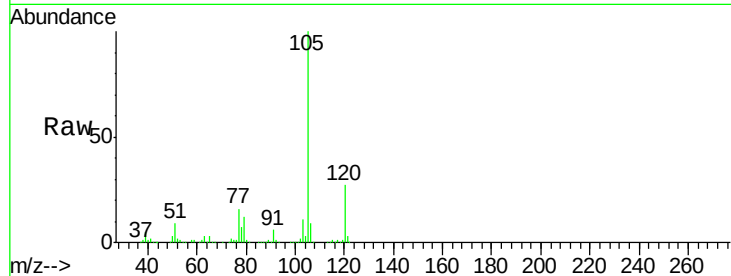
105 100

120 26.9 13.2 39.6

Manual Integrations
APPROVED

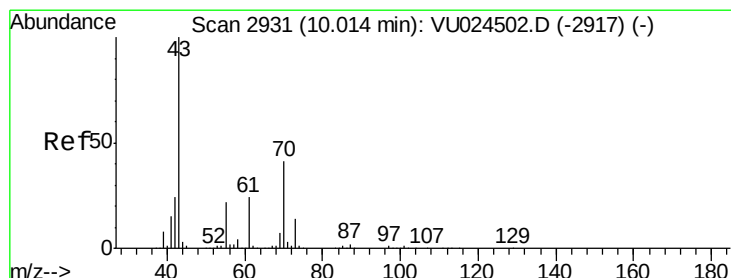
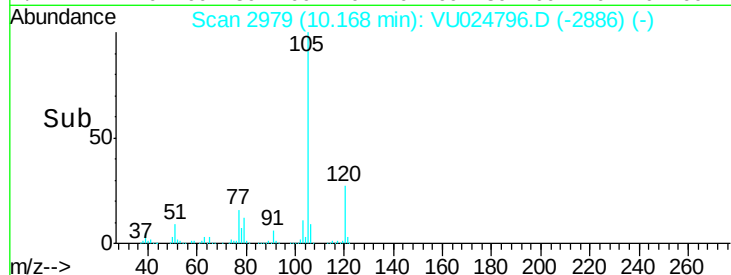
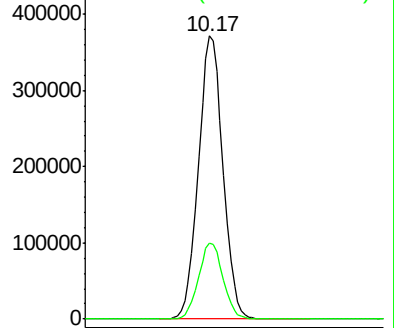
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.79 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion: 43 Resp: 234422

Ion Ratio Lower Upper

43 100

70 41.1 32.2 48.4

55 23.6 20.5 30.7

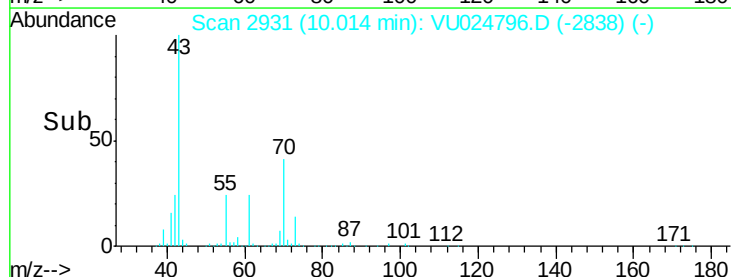
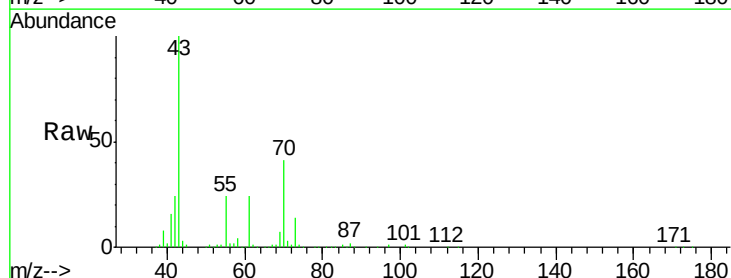
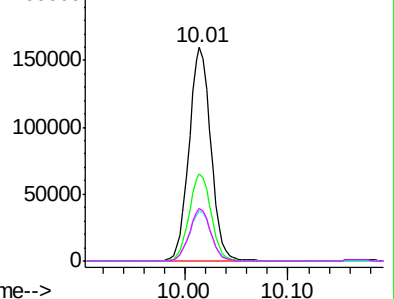
61 23.9 18.7 28.1

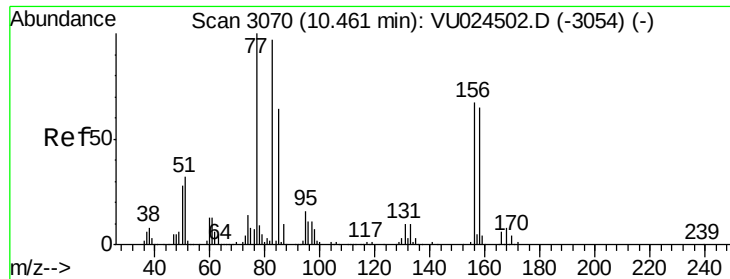
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.82 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion: 83 Resp: 193602

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

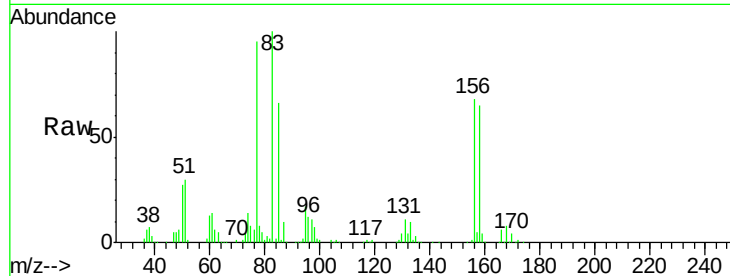
85 65.7 32.5 97.5

Manual Integrations

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Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

150000

100000

50000

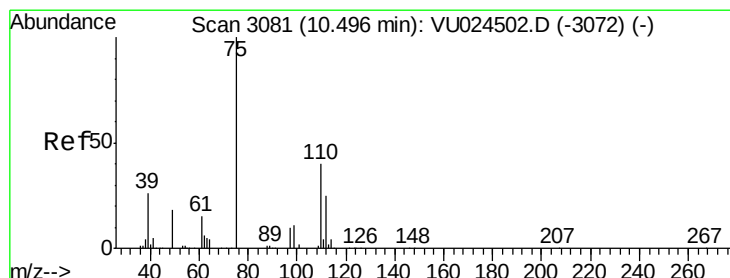
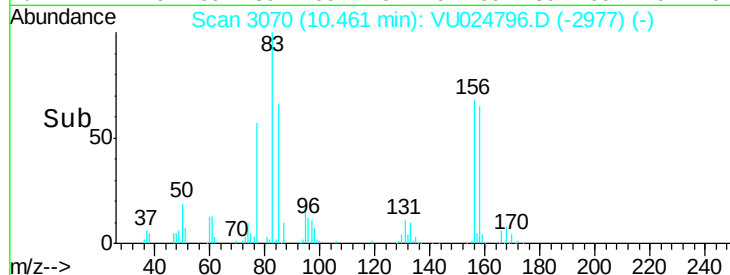
0

10.46

10.40

10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.12 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024796.D

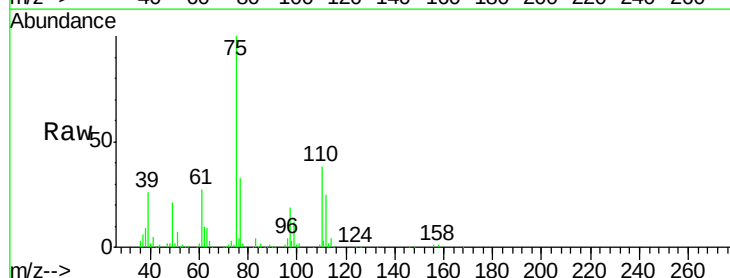
Acq: 21 Jun 2018 07:41

Tgt Ion: 75 Resp: 163252

Ion Ratio Lower Upper

75 100

77 41.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

150000

100000

50000

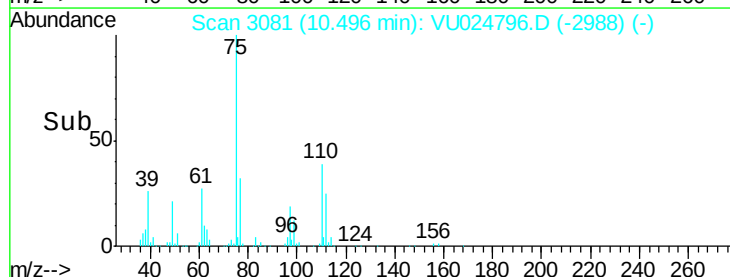
0

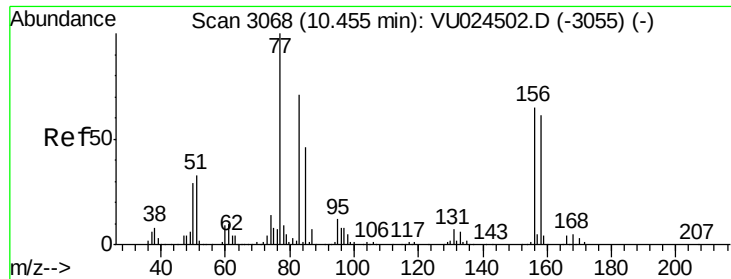
10.50

10.45

10.50

Time-->





#77

Bromobenzene

Concen: 48.43 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

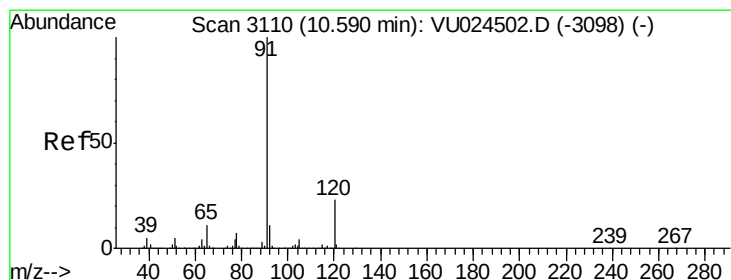
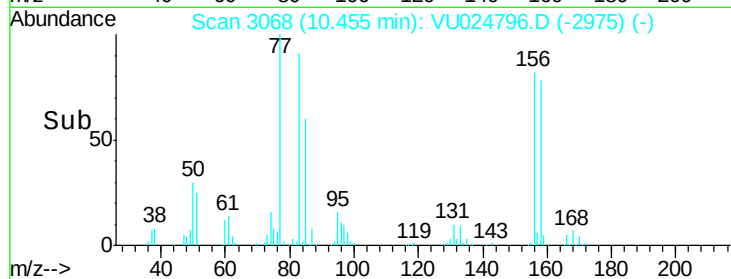
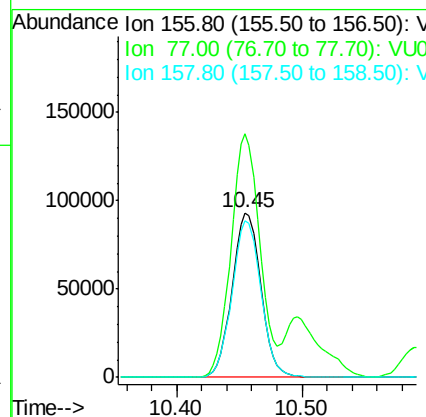
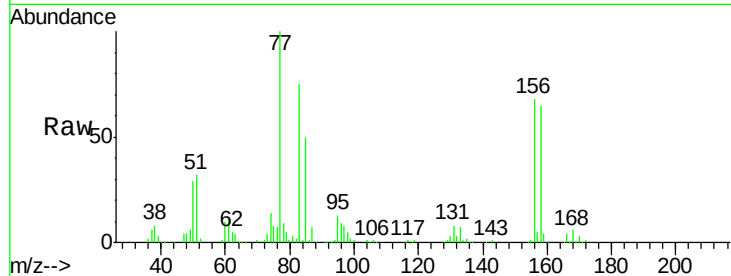
ClientSampleId :

CKMW21MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.2	80.5	241.3
158	95.9	48.2	144.6

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#78

n-propylbenzene

Concen: 45.33 ug/l

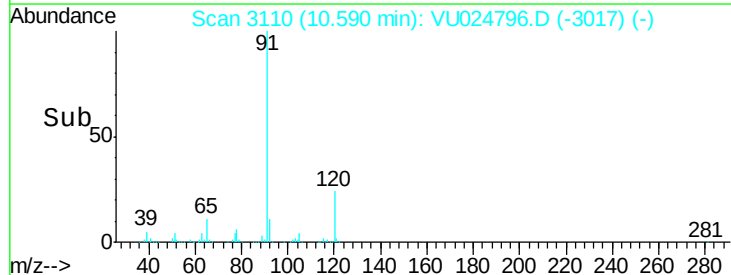
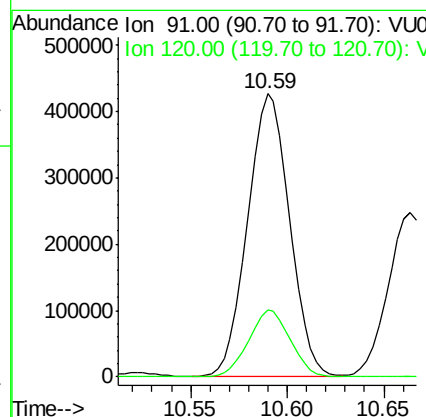
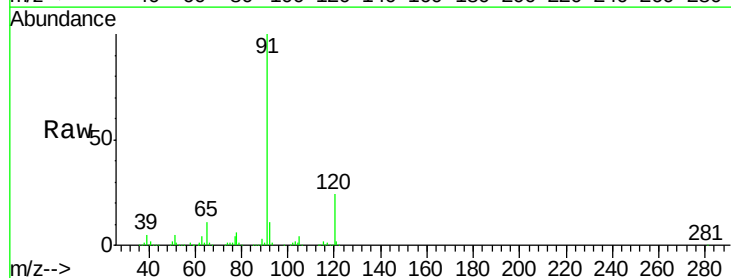
RT: 10.59 min Scan# 3110

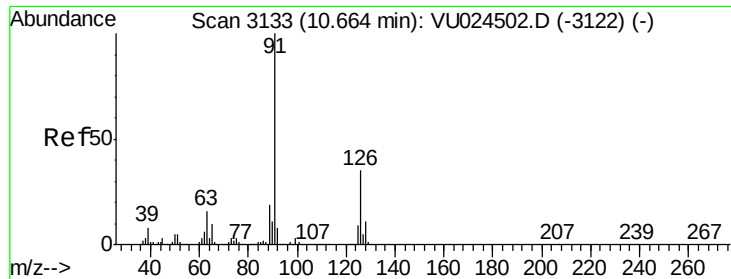
Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 46.28 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion: 91 Resp: 388409

Ion Ratio Lower Upper

91 100

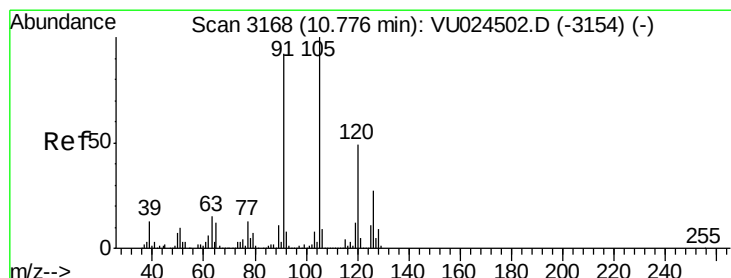
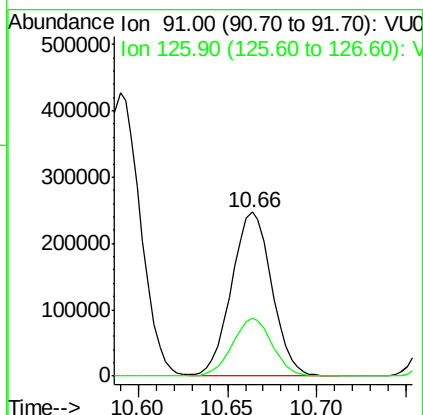
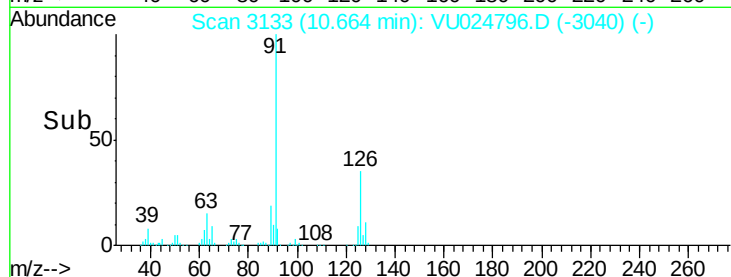
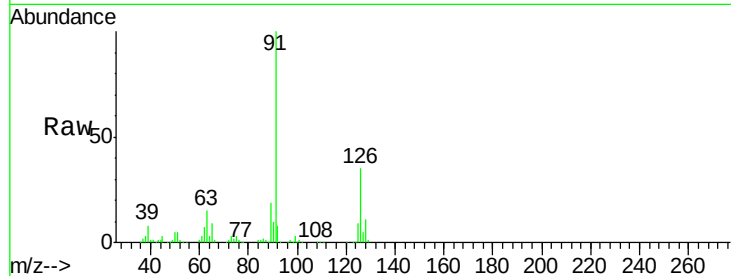
126 34.9 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 46.83 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024796.D

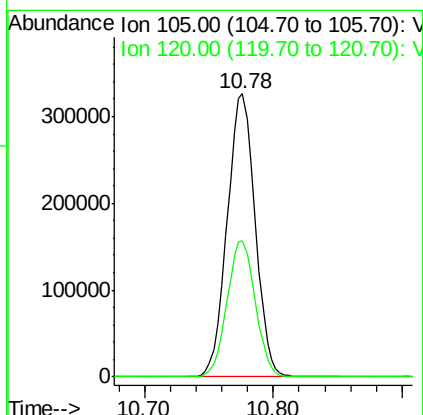
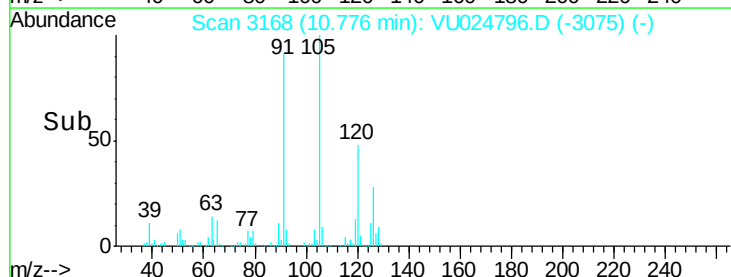
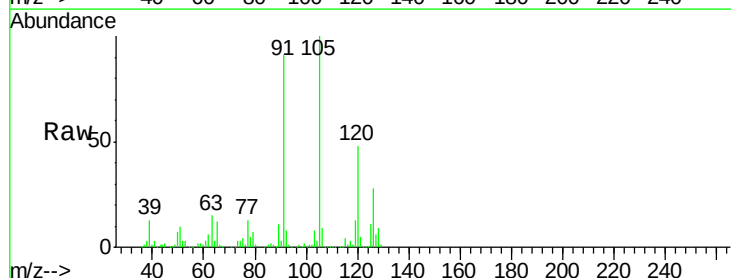
Acq: 21 Jun 2018 07:41

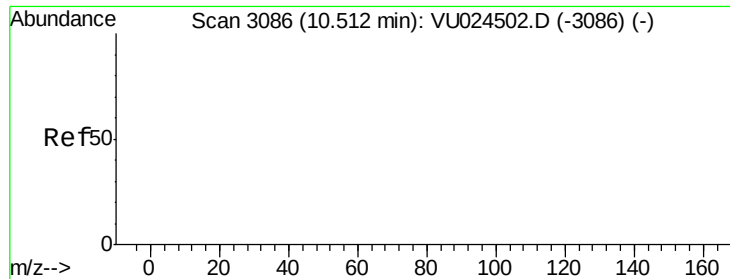
Tgt Ion: 105 Resp: 490375

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





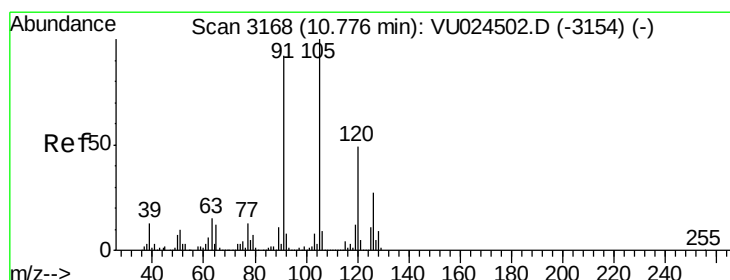
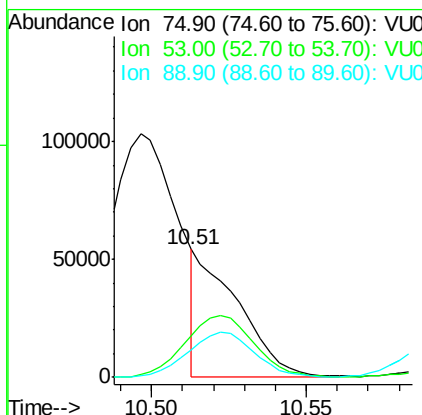
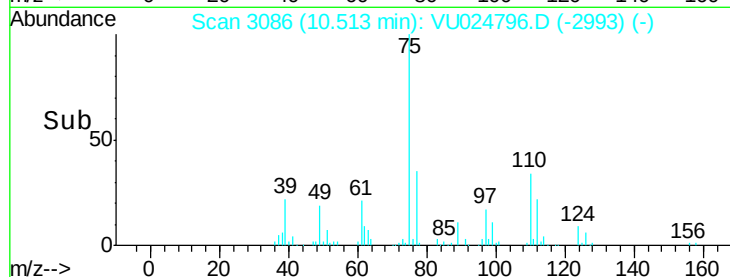
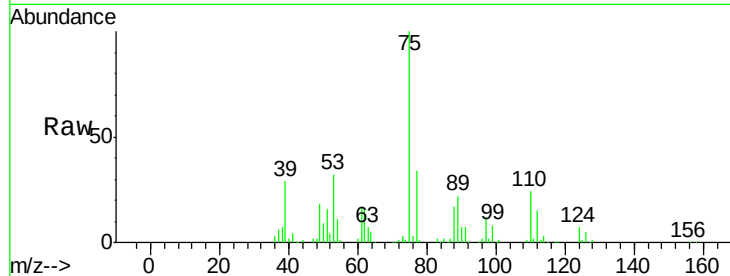
#81
trans-1,4-Dichloro-2-butene
Concen: 34.55 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

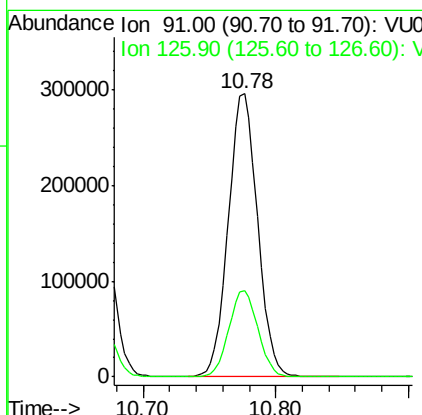
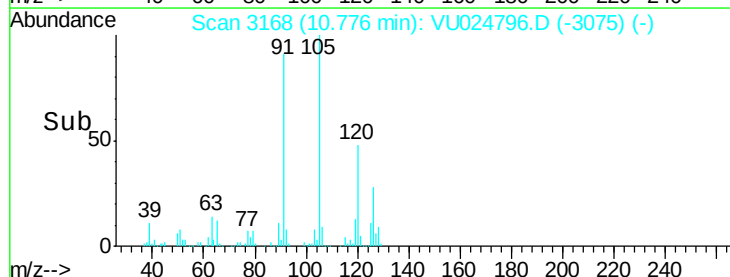
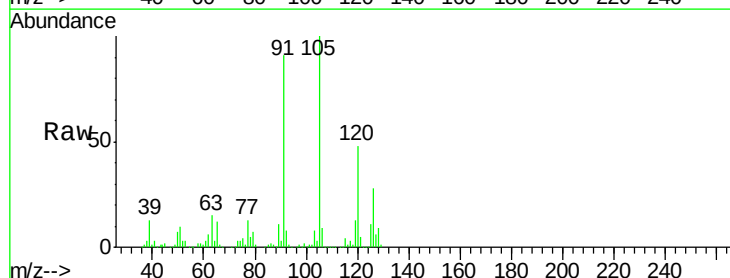
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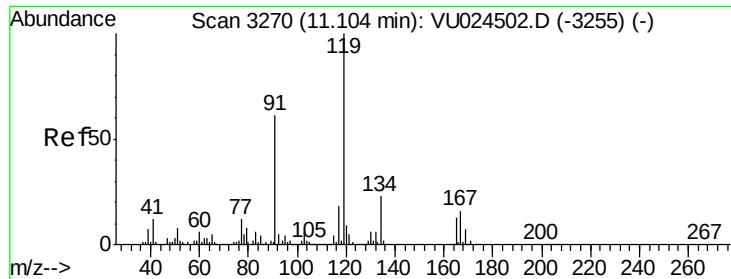
apatel
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#82
4-Chlorotoluene
Concen: 46.31 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.9	44.9





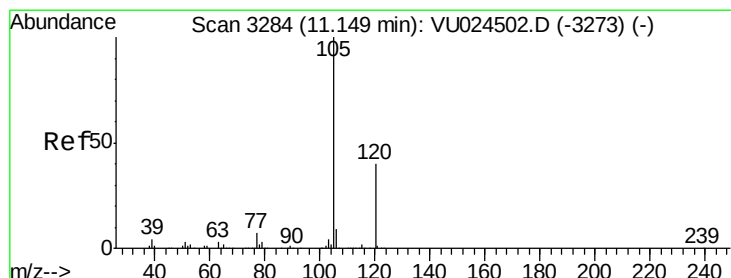
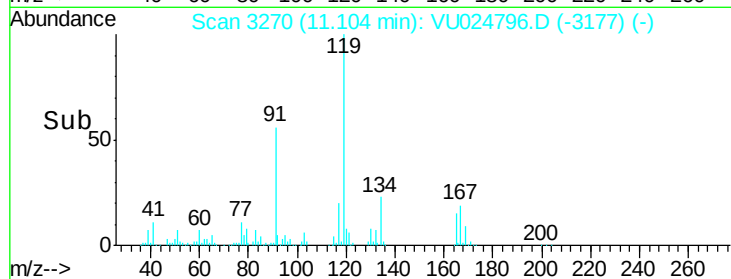
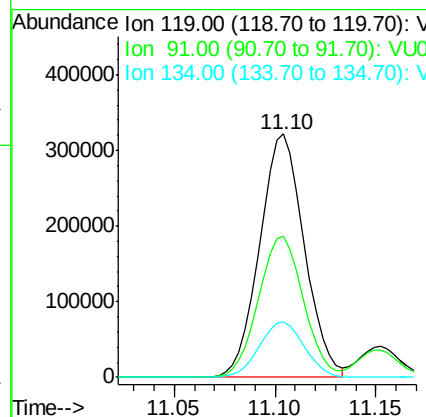
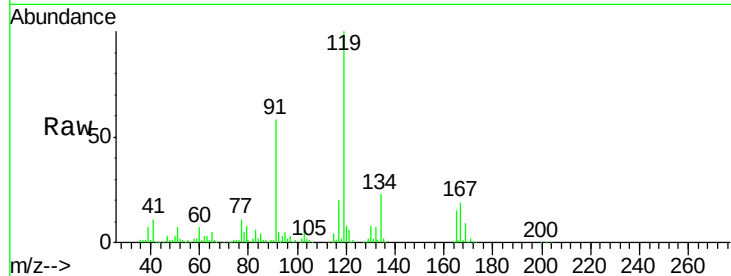
#83
 tert-Butylbenzene
 Concen: 49.38 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.7	89.1
134	22.8	11.6	34.7

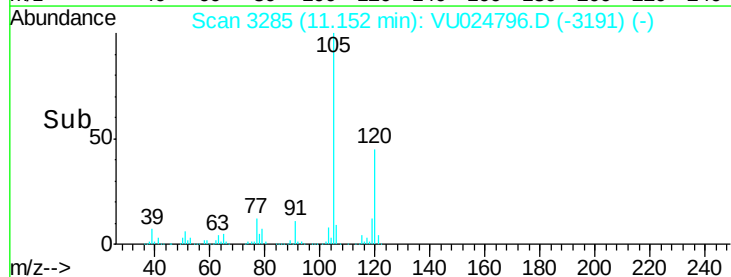
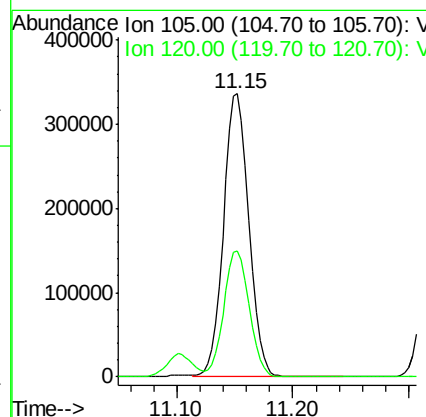
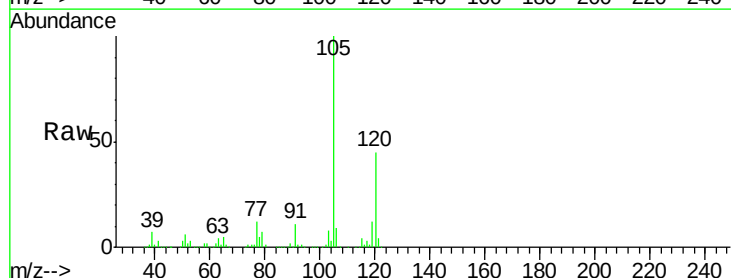
Manual Integrations
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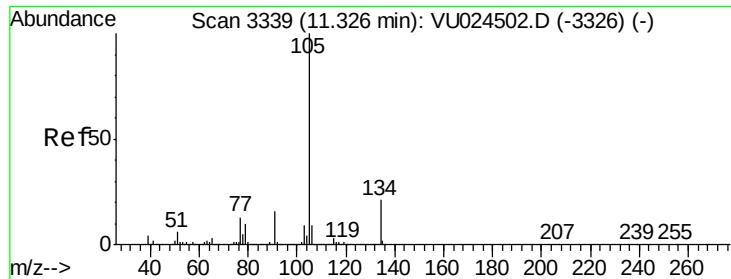
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.57 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.6	67.8





#85

sec-Butylbenzene

Concen: 46.70 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

ClientSampleId :

CKMW21MS

Tot Ion:105 Resp: 588800

Ion Ratio Lower Upper

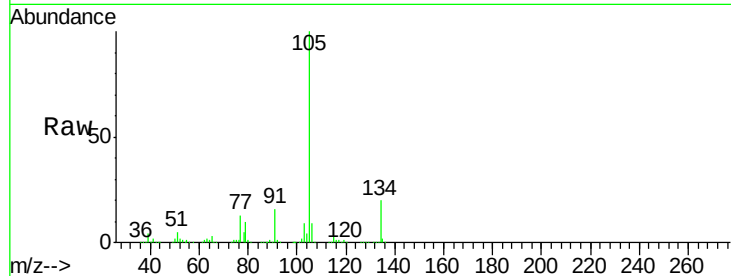
105 100

134 20.3 9.7 29.1

Manual Integrations
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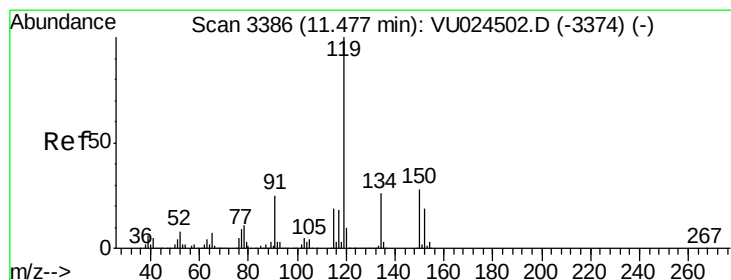
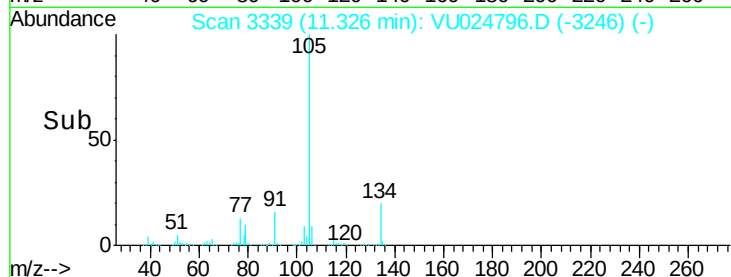
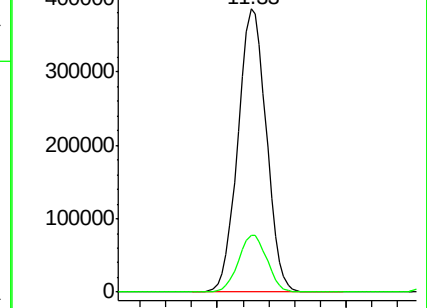
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.50 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

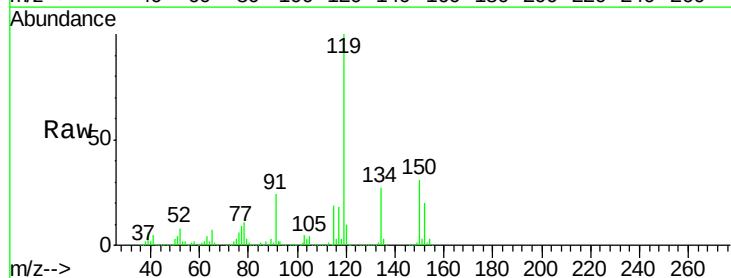
Tgt Ion:119 Resp: 525163

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

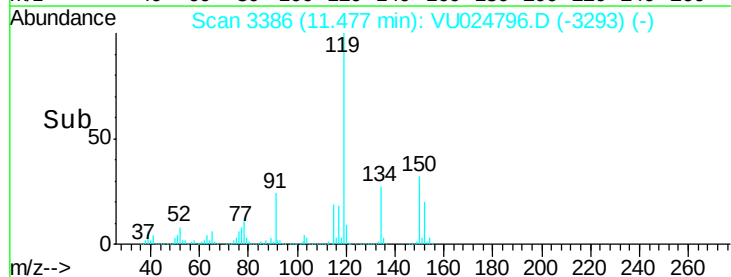
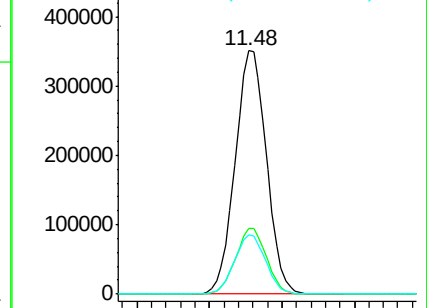
91 24.2 12.0 36.1

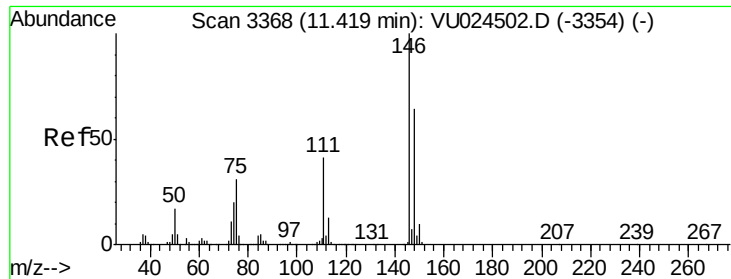


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





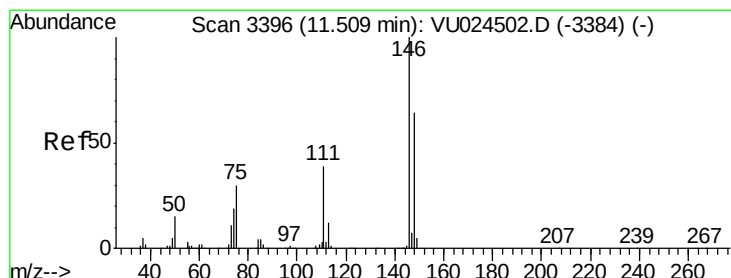
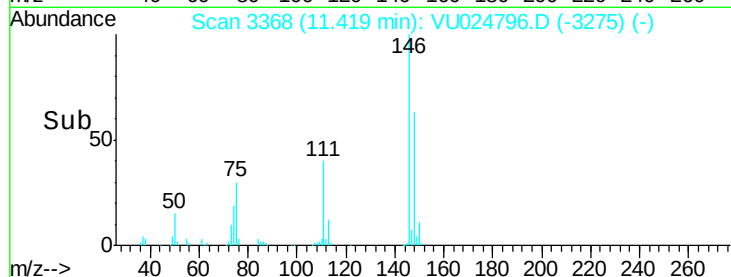
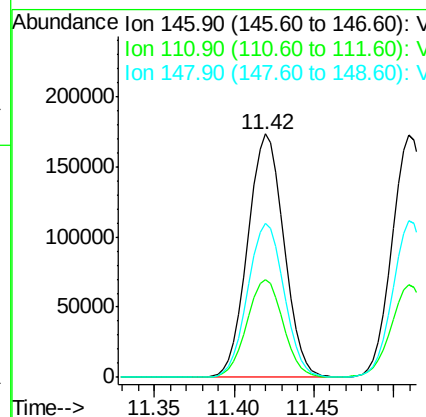
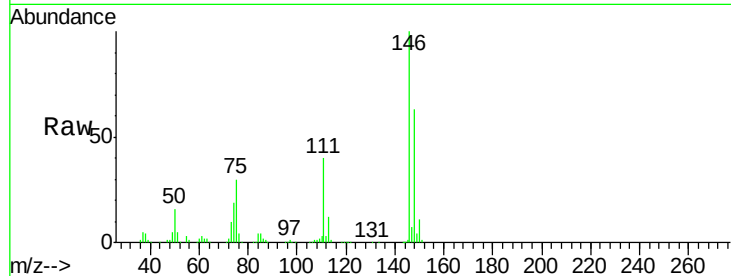
#87
 1,3-Dichlorobenzene
 Concen: 47.33 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.5	32.1	96.5

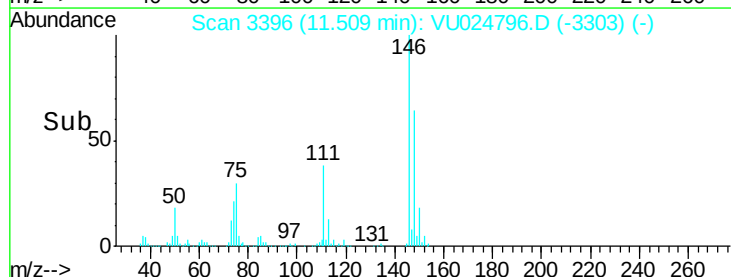
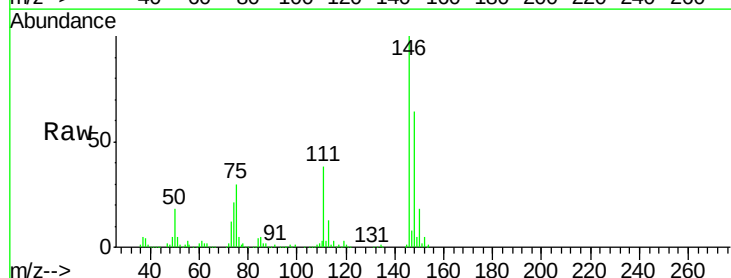
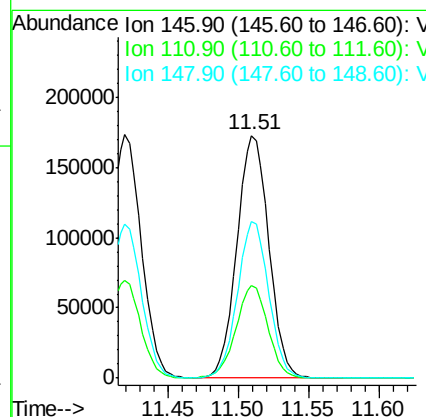
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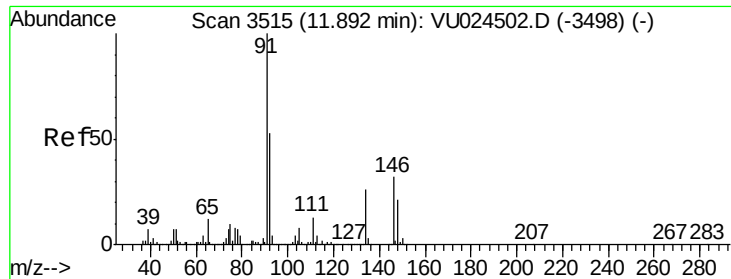
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#88
 1,4-Dichlorobenzene
 Concen: 48.11 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	63.4	32.4	97.0





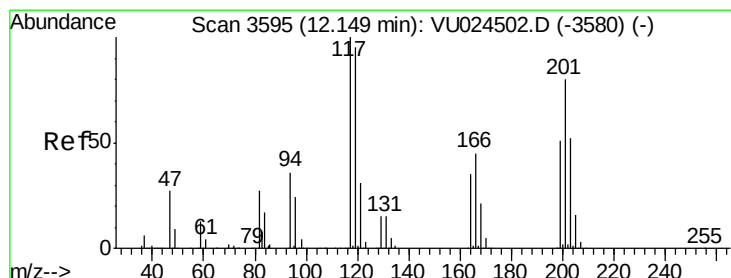
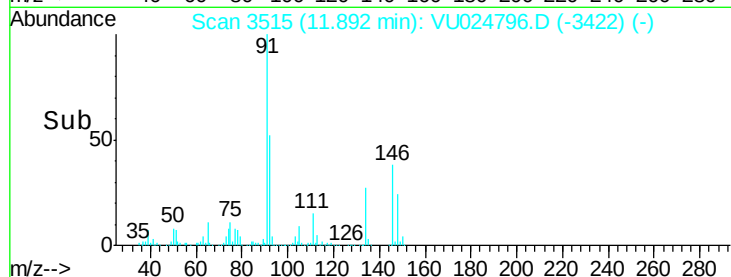
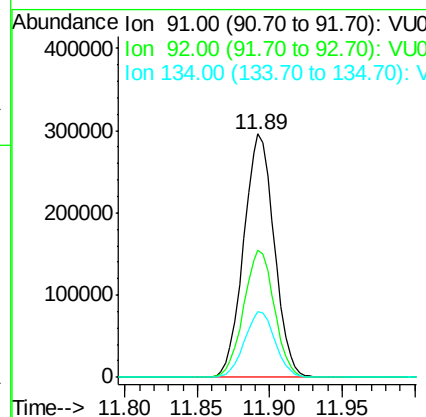
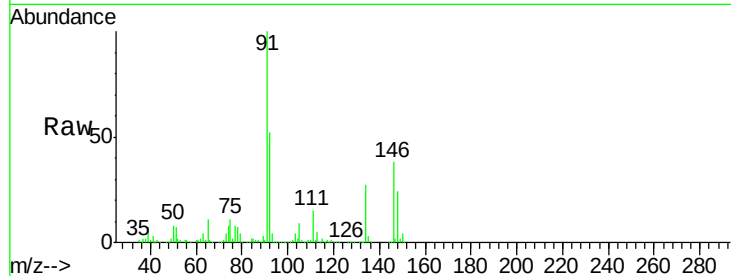
#89
n-Butylbenzene
Concen: 43.29 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Instrument :
MSVOA_U
ClientSampleId :
CKMW21MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.6	76.8
134	27.0	12.3	36.8

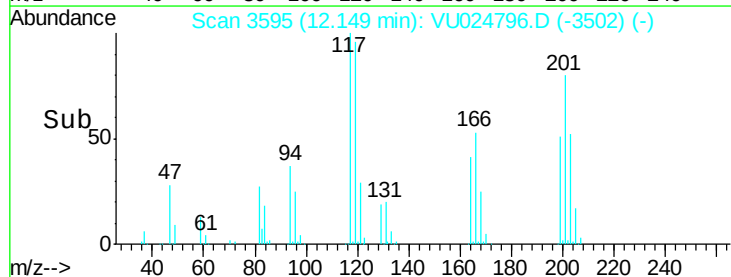
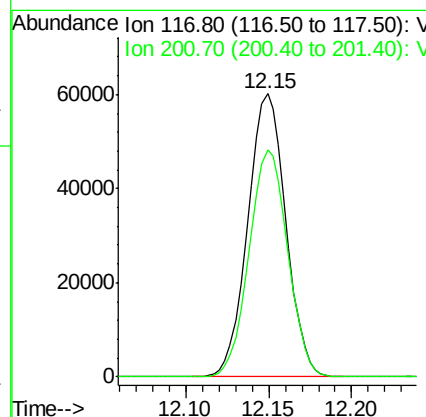
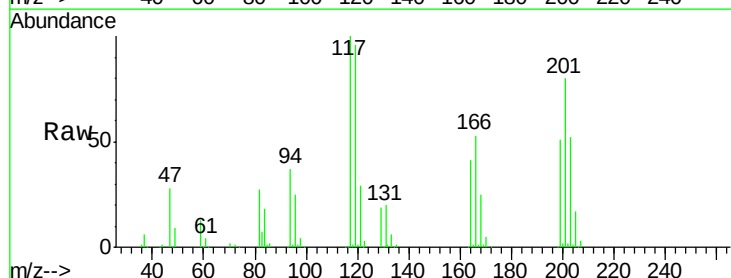
Manual Integrations
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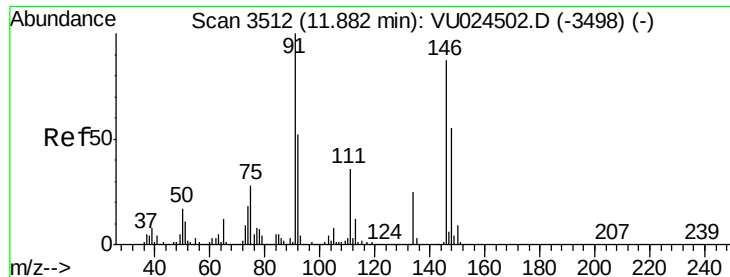
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#90
Hexachloroethane
Concen: 43.52 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024796.D
Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	41.1	123.3





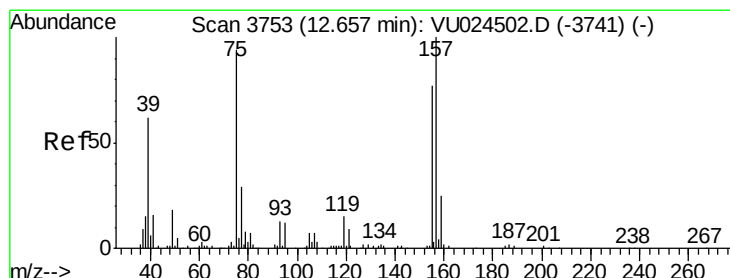
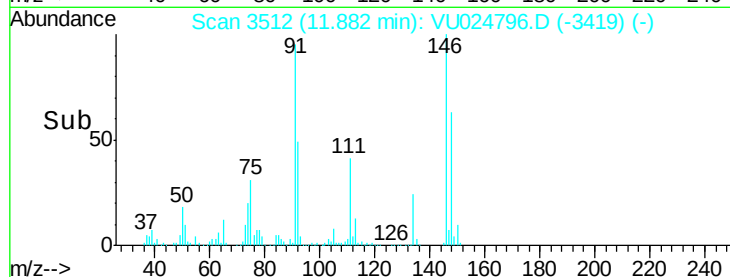
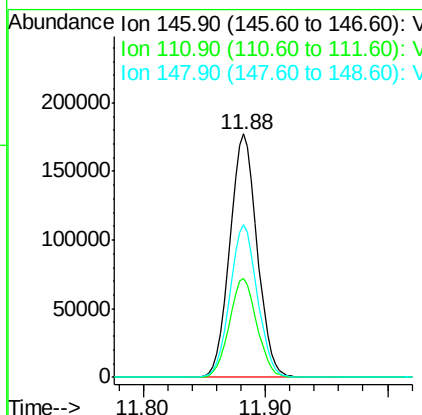
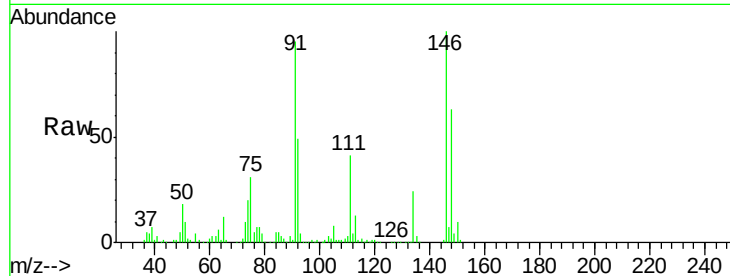
#91
 1,2-Dichlorobenzene
 Concen: 48.97 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW21MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.6
148	62.8	31.9	95.7

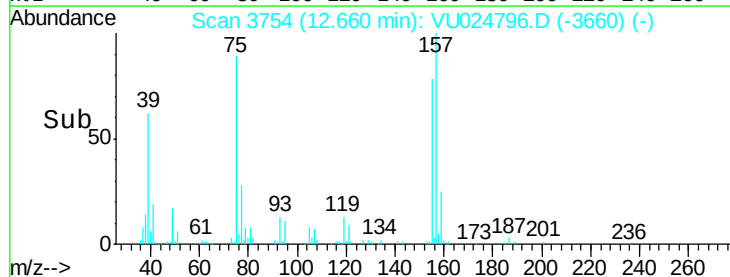
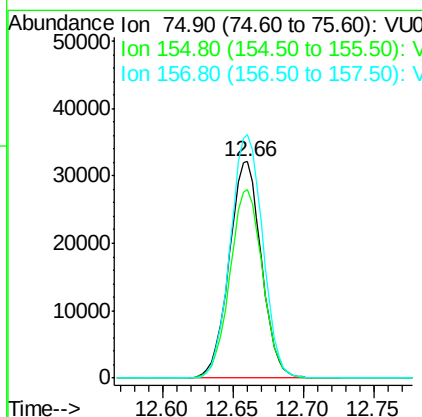
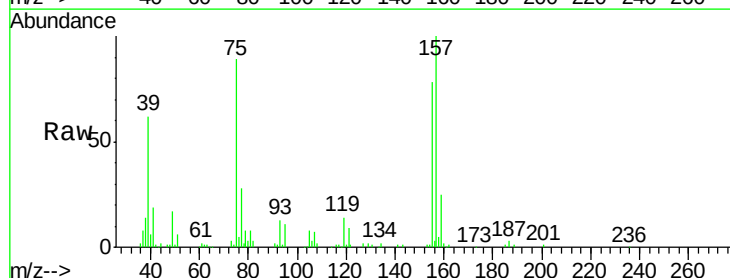
Manual Integrations
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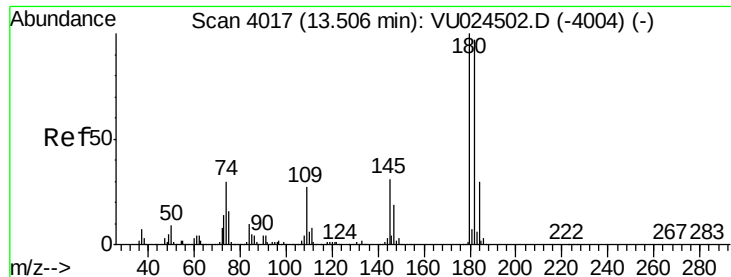
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.13 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024796.D
 Acq: 21 Jun 2018 07:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	40.4	121.2
157	113.0	52.3	156.8





#93

1,2,4-Trichlorobenzene

Concen: 52.92 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

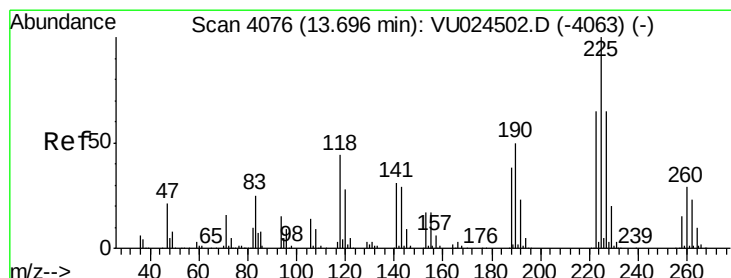
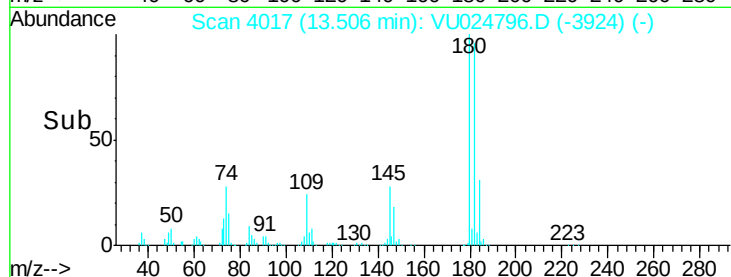
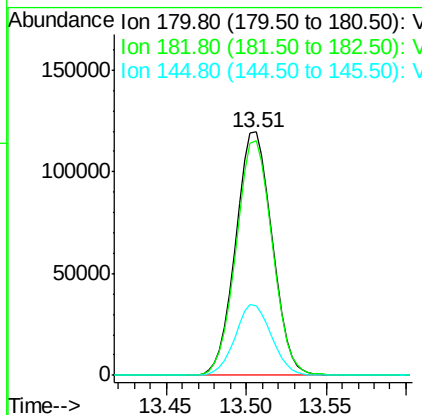
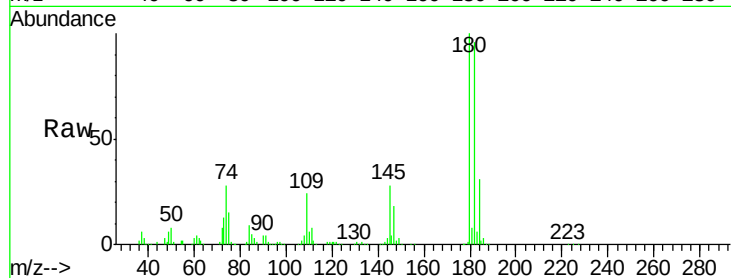
ClientSampleId :

CKMW21MS

Tot Ion:	180	Resp:	184987
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.0	144.2
145	28.9	14.7	44.1

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 45.82 ug/l

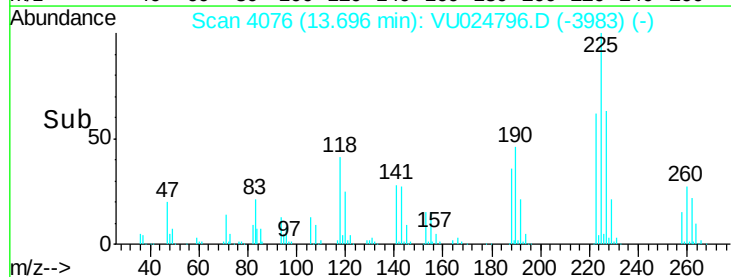
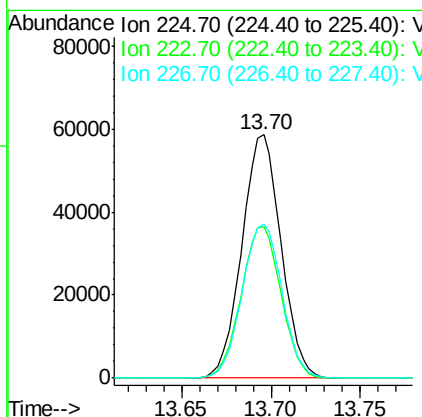
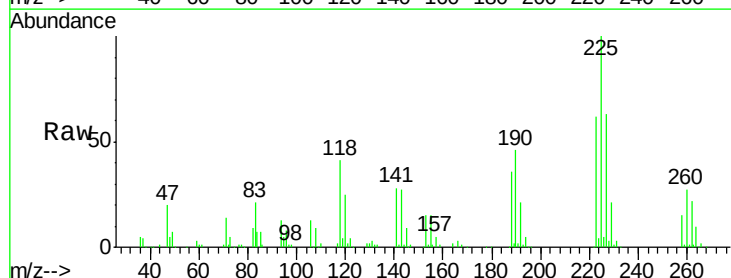
RT: 13.70 min Scan# 4076

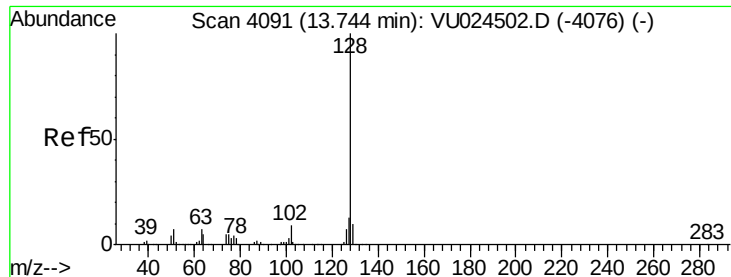
Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	225	Resp:	90143
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.3	93.8
227	64.5	31.8	95.4





#95

Naphthalene

Concen: 52.84 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Instrument :

MSVOA_U

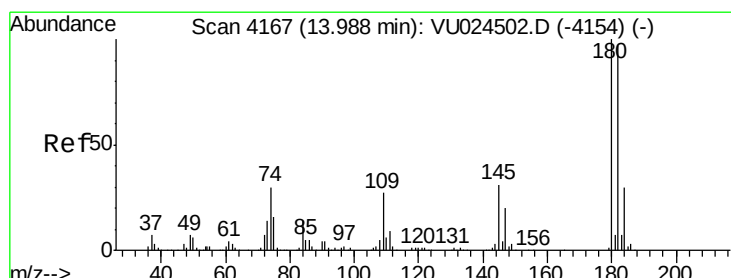
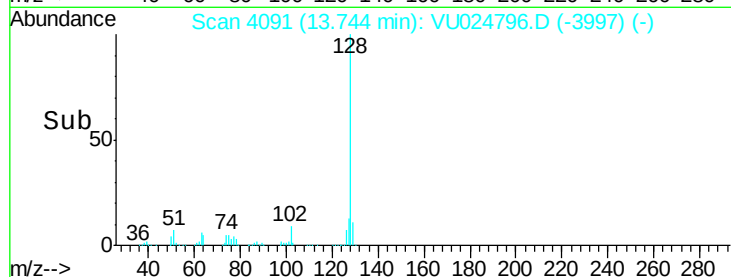
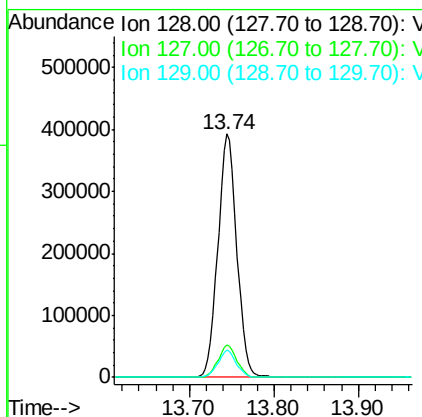
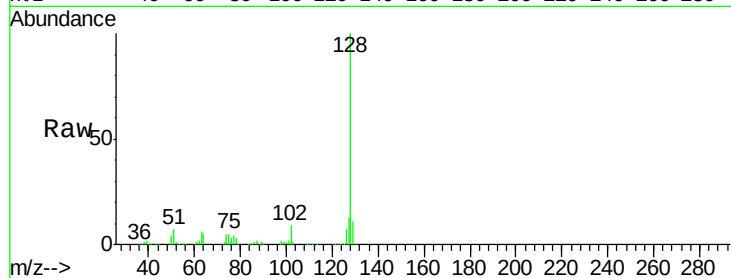
ClientSampled :

CKMW21MS

Tot Ion:	128	Resp:	611909
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
6/21/2018 1:45:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 56.00 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024796.D

Acq: 21 Jun 2018 07:41

Tgt Ion:	180	Resp:	195045
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.7
145	31.0	15.4	46.1

