

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024778.D
 Acq On : 21 Jun 2018 00:25
 Operator : MD/SY
 Sample : VU0620WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Manual Integrations
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 6/21/2018 1:45:02 PM

Quant Time: Jun 21 08:38:37 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	169763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267586	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	123483	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
35) Dibromofluoromethane	4.89	113	100632	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
50) Toluene-d8	7.57	98	368158	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
62) 4-Bromofluorobenzene	10.31	95	139654	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35361	16.64	ug/l	98
3) Chloromethane	1.33	50	40396	18.61	ug/l	99
4) Vinyl Chloride	1.40	62	42007	18.76	ug/l	96
5) Bromomethane	1.62	94	26097	24.11	ug/l	97
6) Chloroethane	1.70	64	27006	20.98	ug/l	100
7) Trichlorofluoromethane	1.89	101	64858	18.98	ug/l	98
8) Diethyl Ether	2.10	74	25452	20.79	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	35098	16.56	ug/l	97
10) Methyl Iodide	2.41	142	32852	21.67	ug/l	95
11) Tert butyl alcohol	2.82	59	57929	85.94	ug/l	98
12) 1,1-Dichloroethene	2.29	96	35024	18.12	ug/l	86
13) Acrolein	2.19	56	31457	88.87	ug/l	98
14) Allyl chloride	2.60	41	58496	16.30	ug/l	94
15) Acrylonitrile	2.94	53	132062	100.70	ug/l	96
16) Acetone	2.32	43	115114	77.31	ug/l	99
17) Carbon Disulfide	2.48	76	100545	16.24	ug/l	98
18) Methyl Acetate	2.62	43	68202	21.36	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	134041	18.45	ug/l	98
20) Methylene Chloride	2.70	84	43324	18.54	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	38061	17.88	ug/l	94
22) Diisopropyl ether	3.57	45	134238	18.87	ug/l	97
23) Vinyl Acetate	3.53	43	580072	91.01	ug/l	99
24) 1,1-Dichloroethane	3.45	63	75036	18.33	ug/l	99
25) 2-Butanone	4.26	43	188093	94.04	ug/l	99
26) 2,2-Dichloropropane	4.23	77	53104	13.66	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	45029	18.40	ug/l	96
28) Bromochloromethane	4.55	49	35746	19.83	ug/l	90
29) Tetrahydrofuran	4.64	42	117704	95.03	ug/l	95
30) Chloroform	4.68	83	74743	18.04	ug/l	99
31) Cyclohexane	5.00	56	68979	17.70	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	67387	17.59	ug/l	96
36) 1,1-Dichloropropene	5.14	75	51580	16.40	ug/l	96
37) Ethyl Acetate	4.38	43	68282	19.92	ug/l	98
38) Carbon Tetrachloride	5.14	117	59411	17.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62400	15.90	ug/l	94
40) Benzene	5.39	78	164719	18.38	ug/l	99
41) Methacrylonitrile	4.54	41	37195	20.13	ug/l	94
42) 1,2-Dichloroethane	5.41	62	62364	18.28	ug/l	100
43) Isopropyl Acetate	5.55	43	109630	18.51	ug/l	99
44) Trichloroethene	6.19	130	44817	17.58	ug/l	98
45) 1,2-Dichloropropane	6.44	63	45103	18.87	ug/l	98
46) Dibromomethane	6.56	93	32966	19.63	ug/l	95
47) Bromodichloromethane	6.76	83	60071	17.96	ug/l	99
48) Methyl methacrylate	6.62	41	55156	19.12	ug/l	98
49) 1,4-Dioxane	6.62	88	25439	450.95	ug/l	92
51) 4-Methyl-2-Pentanone	7.46	43	367096	98.64	ug/l	99
52) Toluene	7.64	92	103590	17.97	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	62459	16.63	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	67750	16.93	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	44984	19.20	ug/l	99
56) Ethyl methacrylate	8.02	69	73850	18.83	ug/l	97
57) 1,3-Dichloropropane	8.25	76	75430	19.08	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	132360	88.10	ug/l	95
59) 2-Hexanone	8.36	43	293057	96.45	ug/l	99
60) Dibromochloromethane	8.48	129	50494	17.28	ug/l	97
61) 1,2-Dibromoethane	8.59	107	47823	18.34	ug/l	97
64) Tetrachloroethene	8.23	164	41398	17.27	ug/l	94
65) Chlorobenzene	9.12	112	118309	18.36	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	46038	18.81	ug/l	99
67) Ethyl Benzene	9.25	91	201012	17.80	ug/l	99
68) m/p-Xylenes	9.38	106	155305	35.81	ug/l	95
69) o-Xylene	9.78	106	78982	18.40	ug/l	94
70) Styrene	9.80	104	127672	18.10	ug/l	99
71) Bromoform	9.96	173	39997	17.19	ug/l #	98
73) Isopropylbenzene	10.17	105	205638	18.73	ug/l	99
74) N-amyl acetate	10.01	43	100804	19.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	76530	20.80	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	64055m	20.35	ug/l	
77) Bromobenzene	10.45	156	54988	19.79	ug/l	94
78) n-propylbenzene	10.59	91	227894	17.62	ug/l	97
79) 2-Chlorotoluene	10.66	91	139173	18.25	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	175262	18.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	22379m	16.45	ug/l	
82) 4-Chlorotoluene	10.78	91	157782	17.78	ug/l	98
83) tert-Butylbenzene	11.10	119	177314	19.37	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	177025	18.26	ug/l	98
85) sec-Butylbenzene	11.33	105	208227	18.18	ug/l	99
86) p-Isopropyltoluene	11.48	119	178330	17.38	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	92180	17.95	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	94944	18.37	ug/l	99
89) n-Butylbenzene	11.89	91	141742	15.56	ug/l	98
90) Hexachloroethane	12.15	117	33500	16.74	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	98585	19.17	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19777	19.48	ug/l	93

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ClientSampleId :
VU0620WBSD02

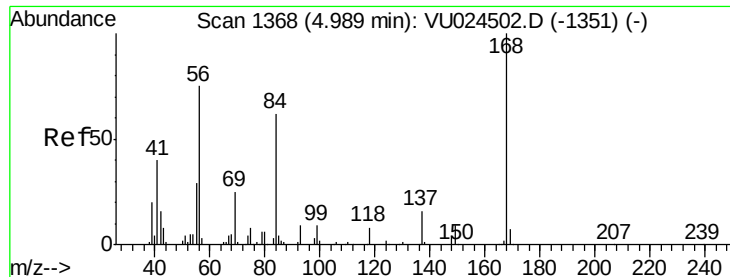
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	62334	19.63	ug/l	99
94) Hexachlorobutadiene	13.70	225	30933	17.31	ug/l	98
95) Naphthalene	13.75	128	227305	22.01	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	67496	21.33	ug/l	98

(#) = 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: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion:168 Resp: 169763

Ion Ratio Lower Upper

168 100

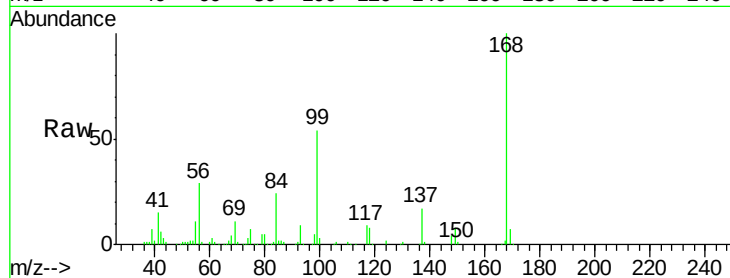
99 53.7 43.2 64.8

Manual Integrations

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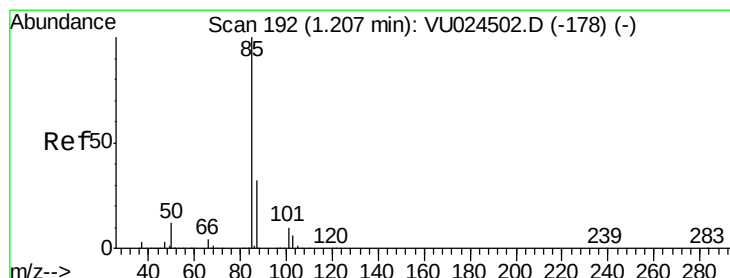
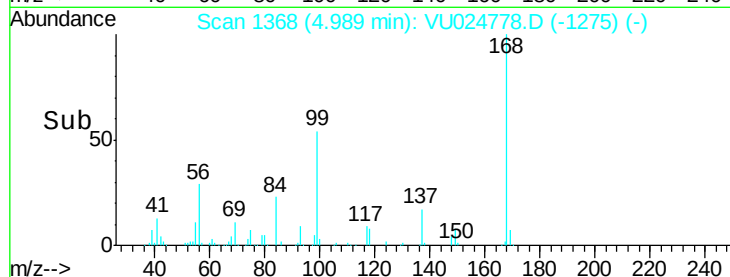
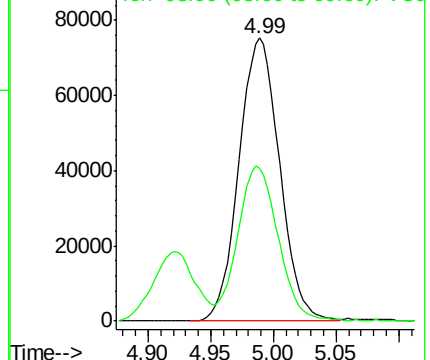
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 16.64 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024778.D

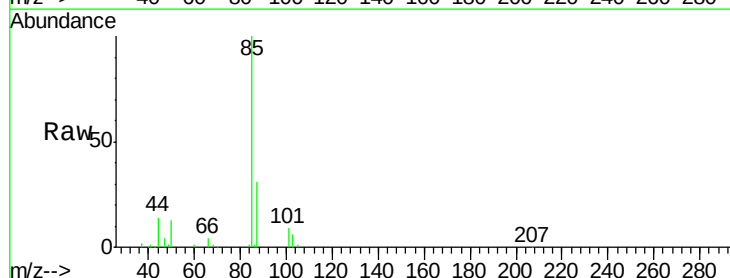
Acq: 21 Jun 2018 00:25

Tgt Ion: 85 Resp: 35361

Ion Ratio Lower Upper

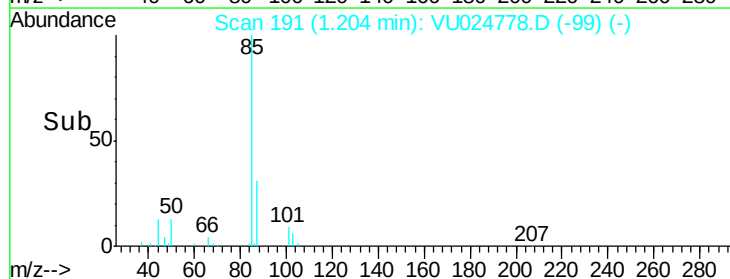
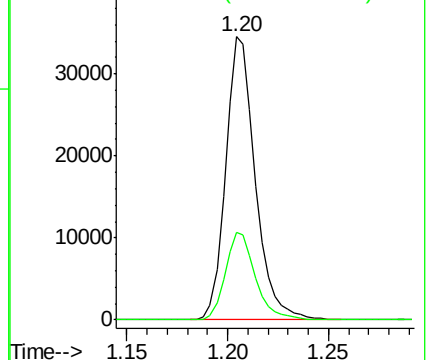
85 100

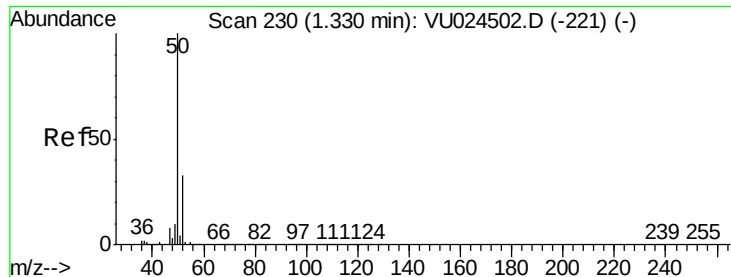
87 30.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.61 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 50 Resp: 40396

Ion Ratio Lower Upper

50 100

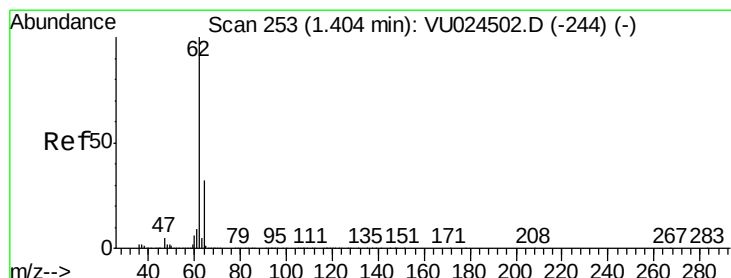
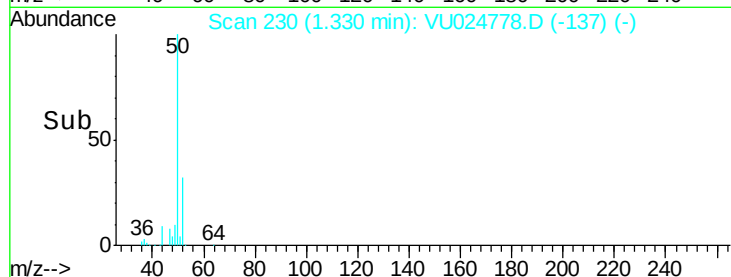
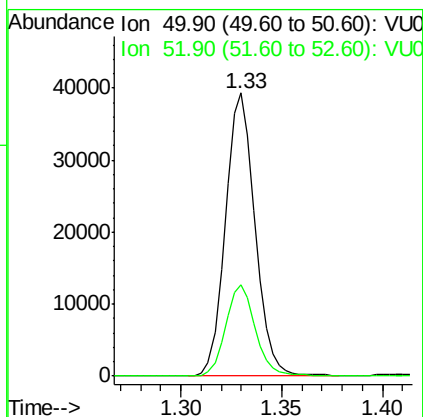
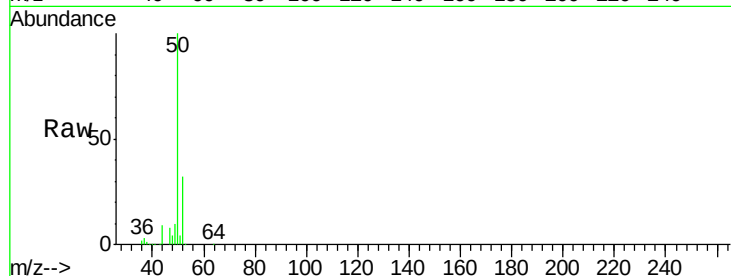
52 32.3 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.76 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024778.D

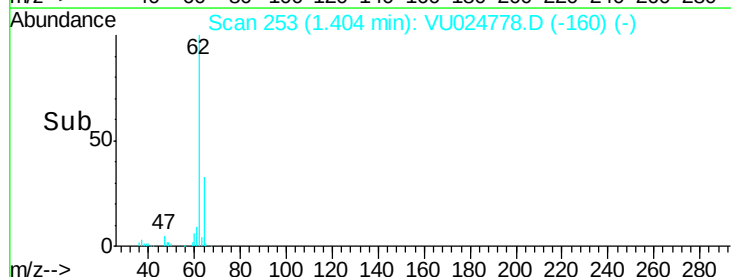
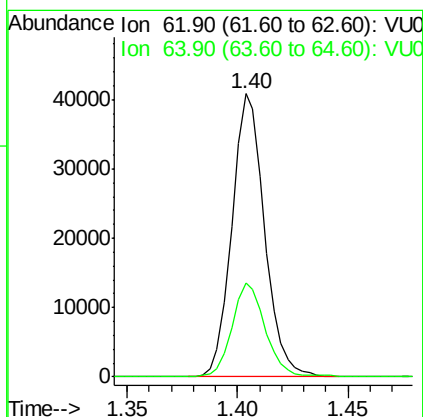
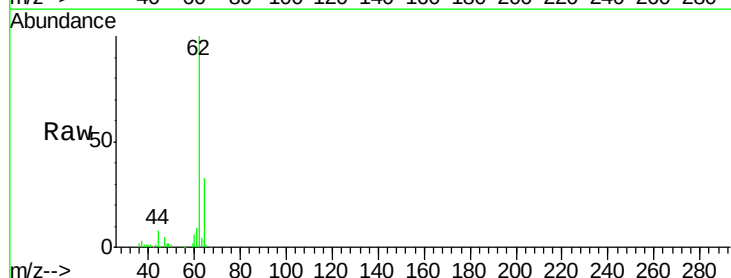
Acq: 21 Jun 2018 00:25

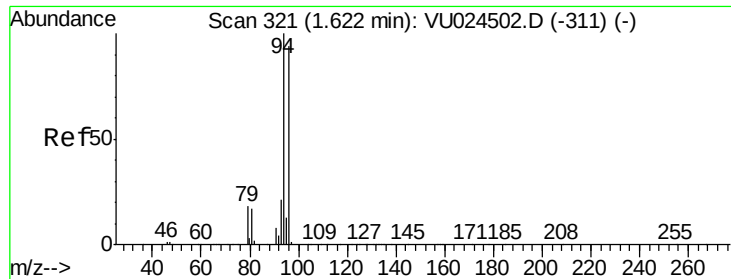
Tgt Ion: 62 Resp: 42007

Ion Ratio Lower Upper

62 100

64 33.1 24.8 37.2





#5

Bromomethane

Concen: 24.11 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 94 Resp: 26097

Ion Ratio Lower Upper

94 100

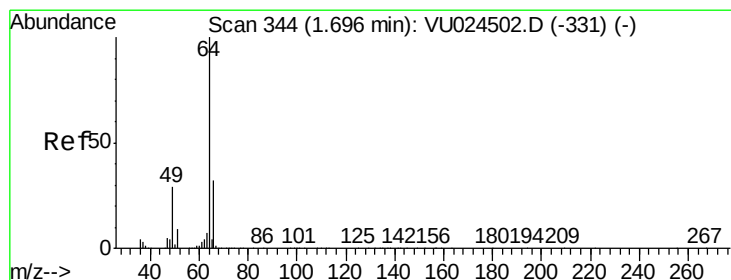
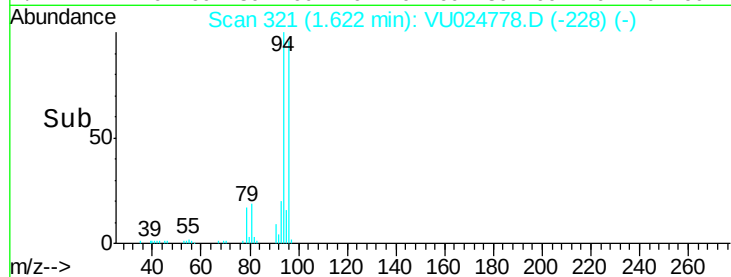
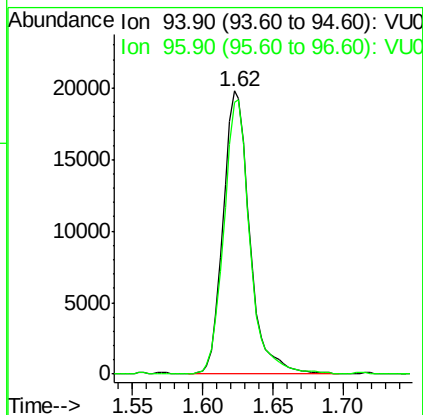
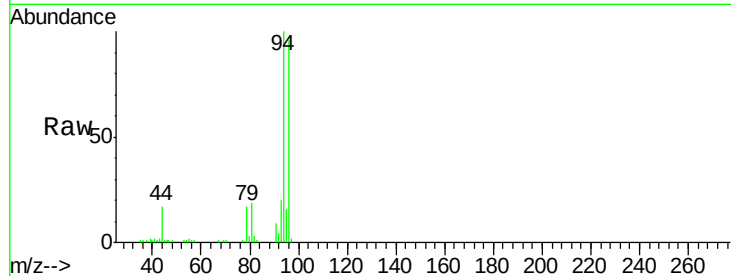
96 96.0 74.5 111.7

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#6

Chloroethane

Concen: 20.98 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024778.D

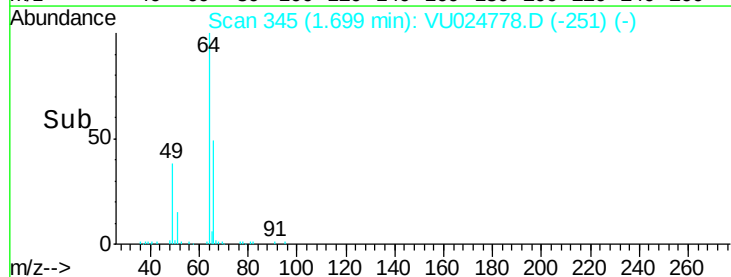
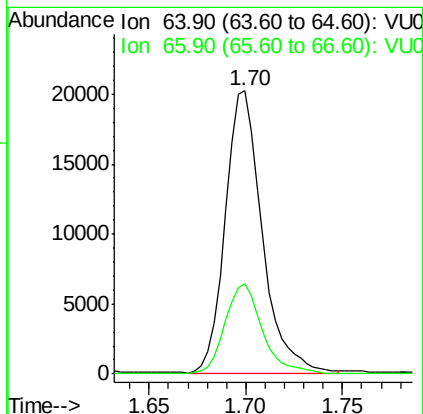
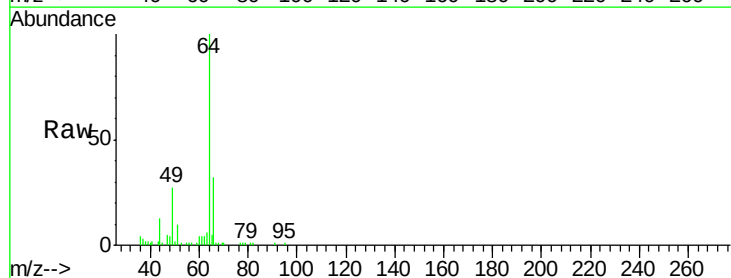
Acq: 21 Jun 2018 00:25

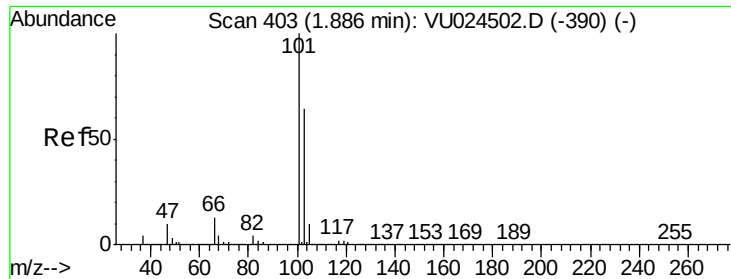
Tgt Ion: 64 Resp: 27006

Ion Ratio Lower Upper

64 100

66 31.7 25.5 38.3





#7

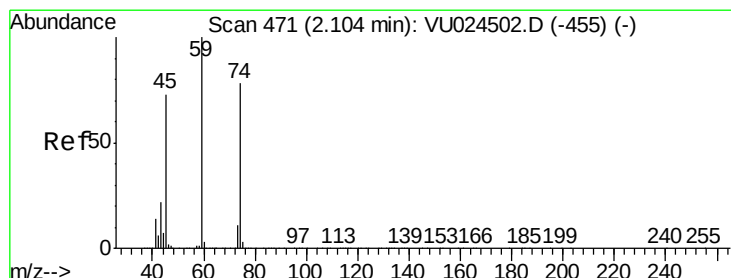
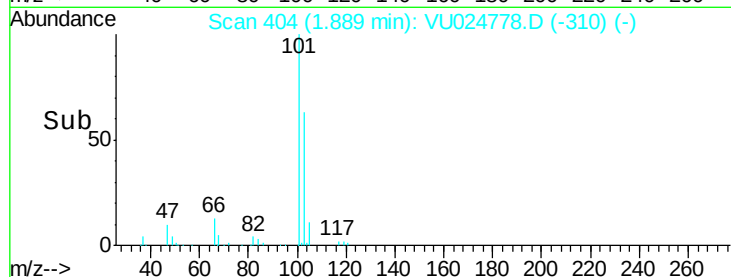
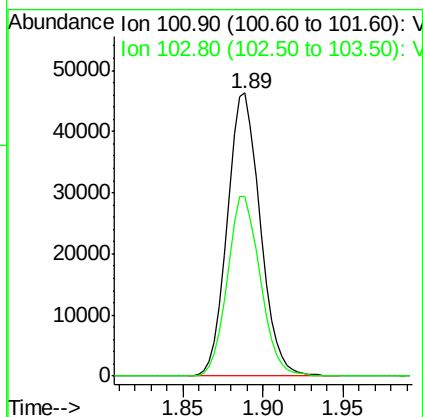
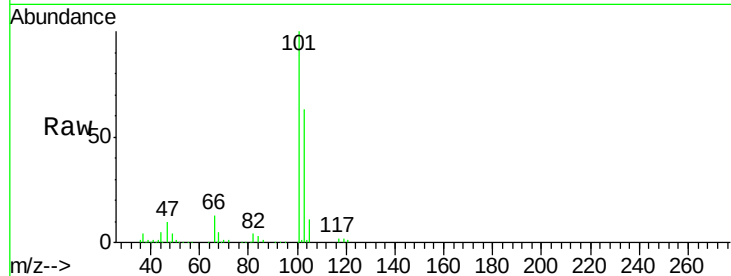
Trichlorofluoromethane
Concen: 18.98 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

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ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.3	78.5

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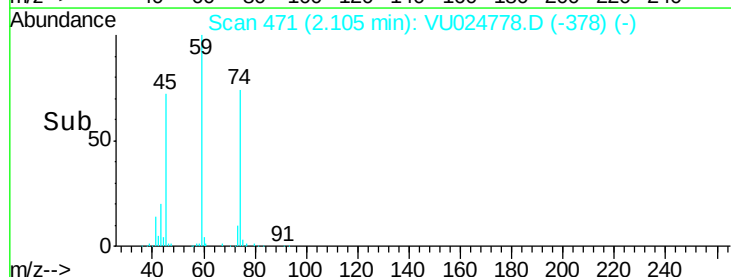
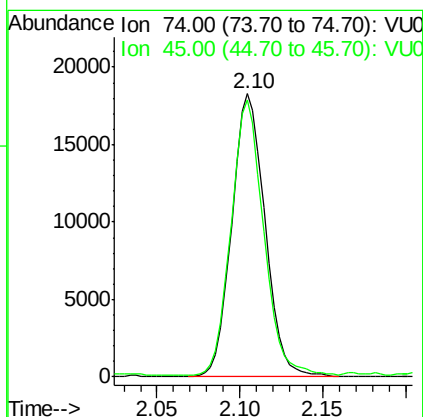
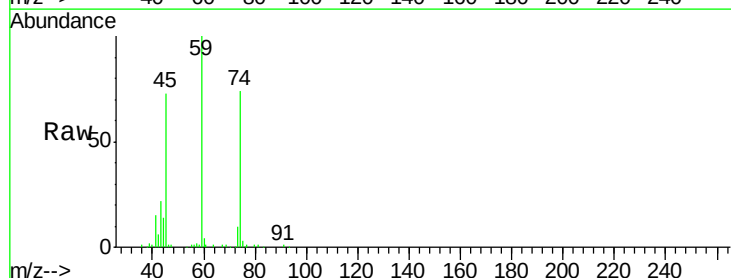
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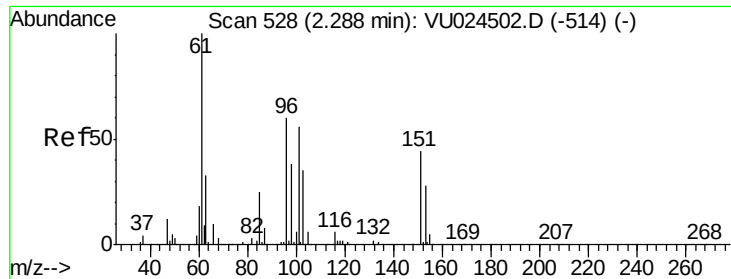


#8

Diethyl Ether
Concen: 20.79 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.56 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

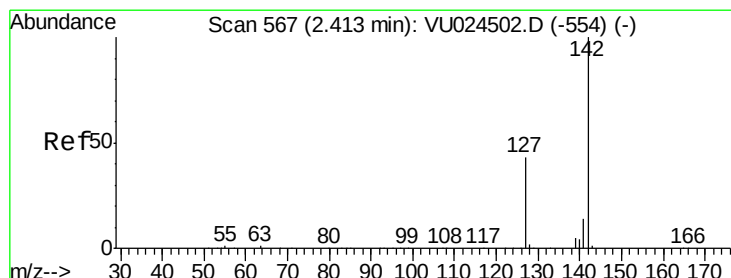
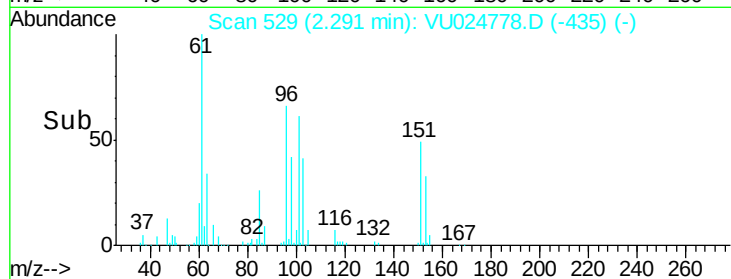
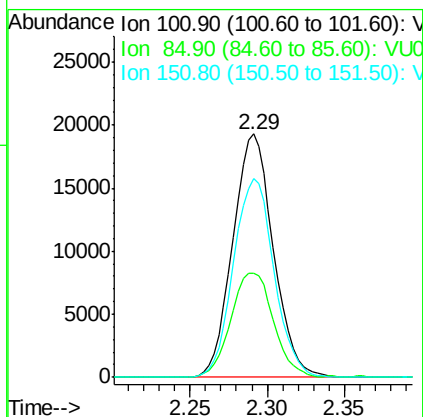
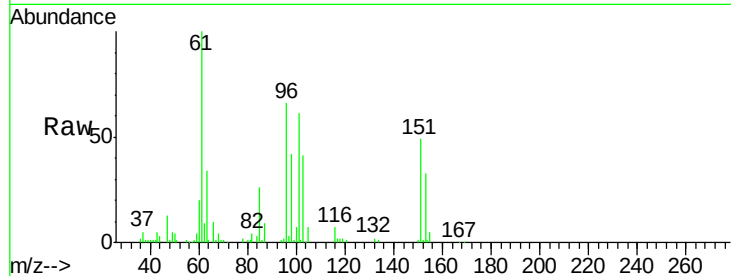
ClientSampleId :

VU0620WBSD02

Tot Ion:	101	Resp:	35098
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	81.9	62.3	93.5

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#10

Methyl Iodide

Concen: 21.67 ug/l

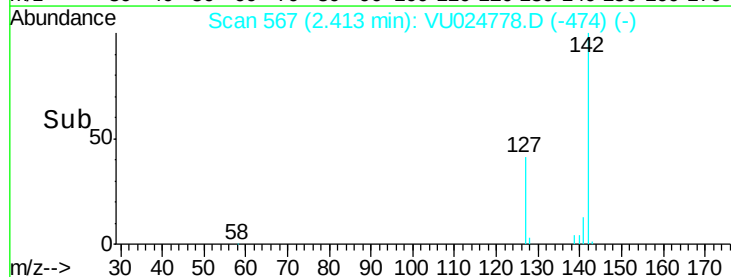
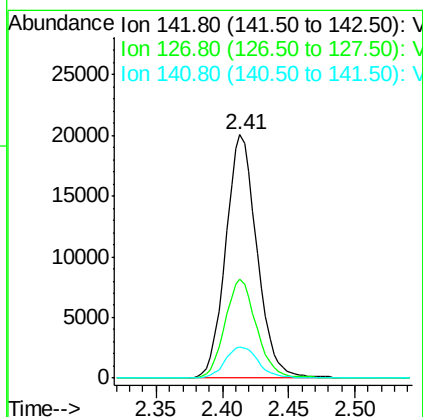
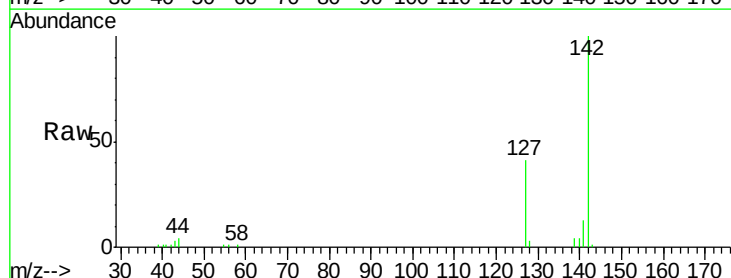
RT: 2.41 min Scan# 567

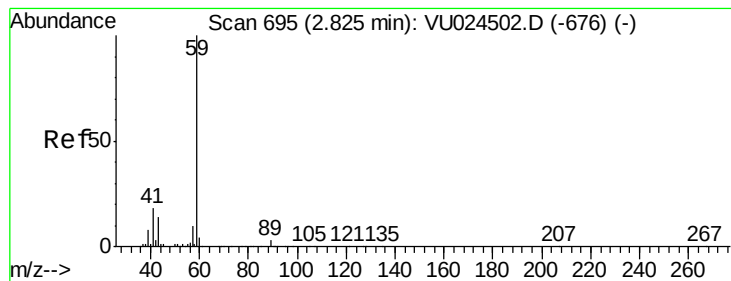
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	142	Resp:	32852
Ion Ratio	Lower	Upper	
142	100		
127	40.9	35.6	53.4
141	13.5	11.7	17.5





#11

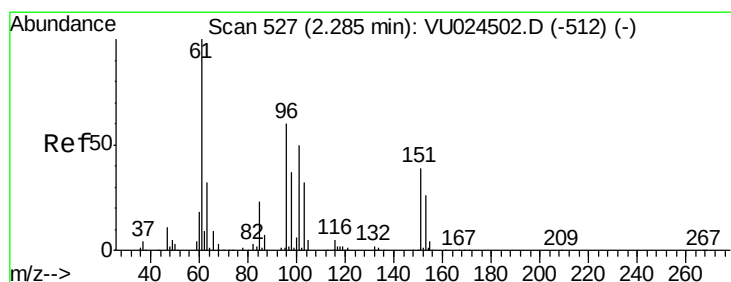
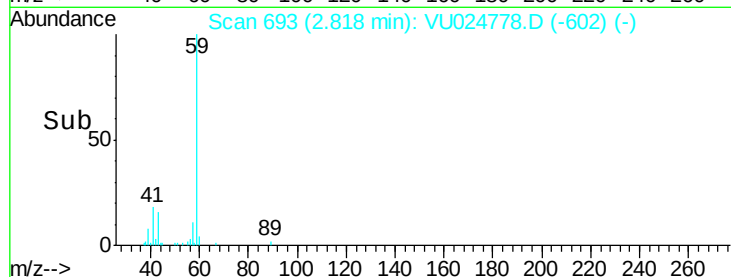
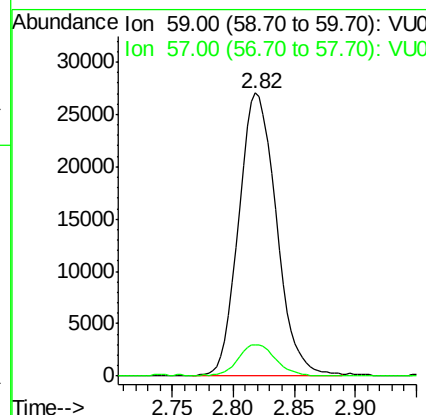
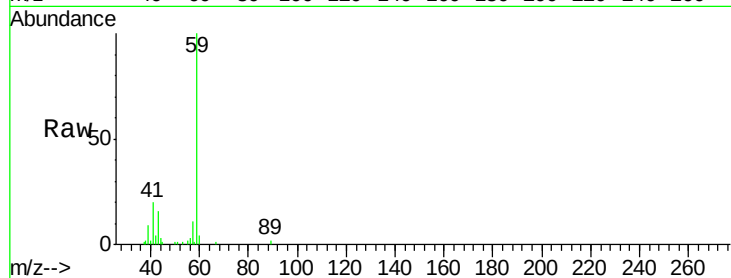
Tert butyl alcohol
 Concen: 85.94 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.5	12.7

Manual Integrations
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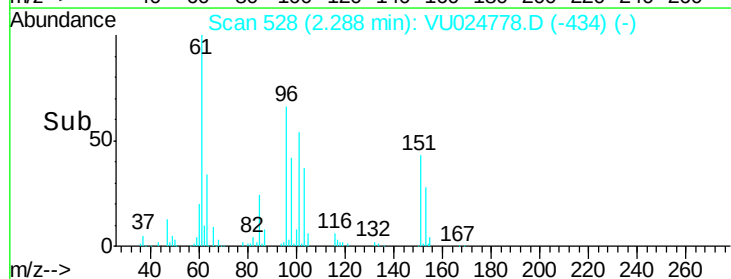
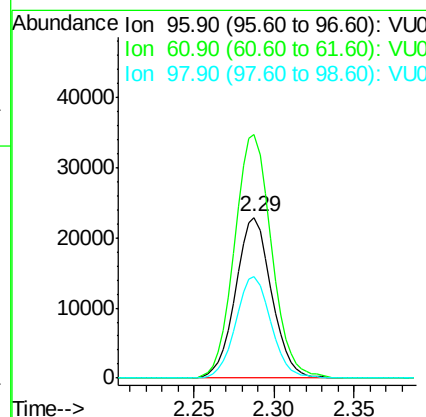
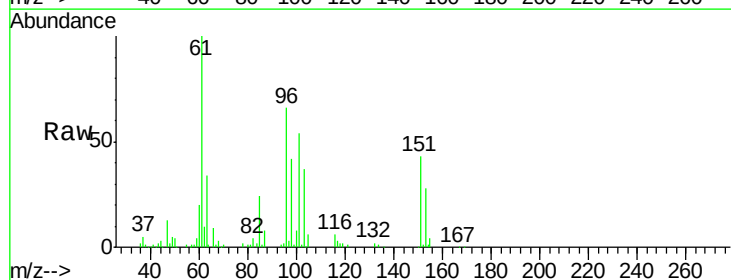
apatel
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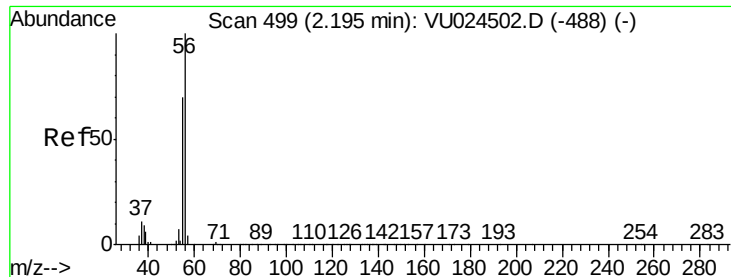


#12

1,1-Dichloroethene
 Concen: 18.12 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	141.7	212.5
98	62.9	51.6	77.4





#13

Acrolein

Concen: 88.87 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024778.D

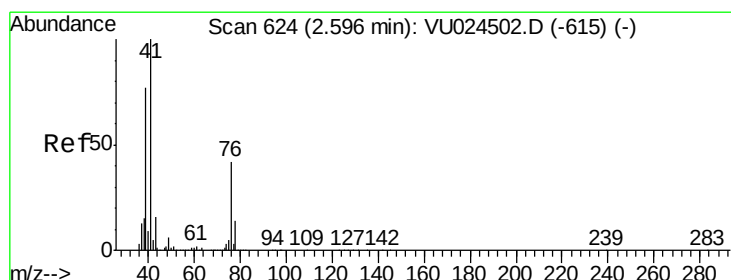
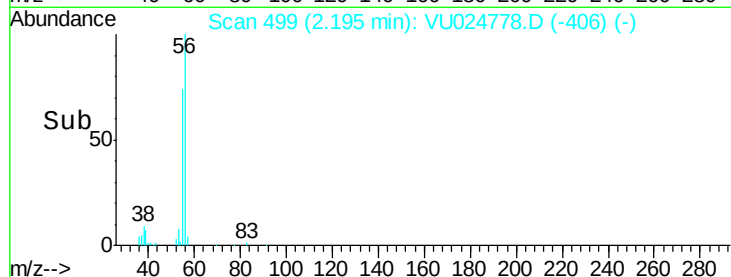
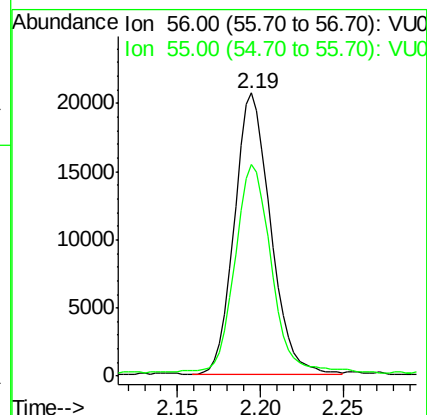
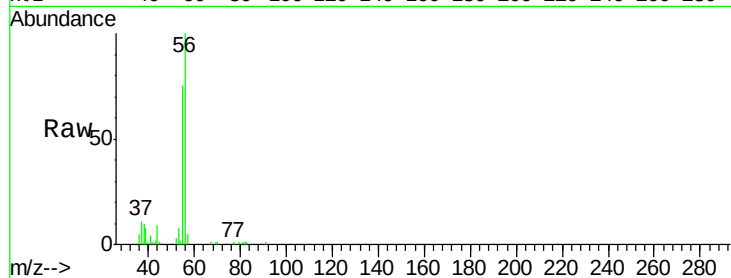
Acq: 21 Jun 2018 00:25

Tot Ion:	56	Resp:	31457
Ion Ratio	Lower	Upper	
56	100		
55	75.1	58.4	87.6

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Manual Integrations
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#14

Allyl chloride

Concen: 16.30 ug/l

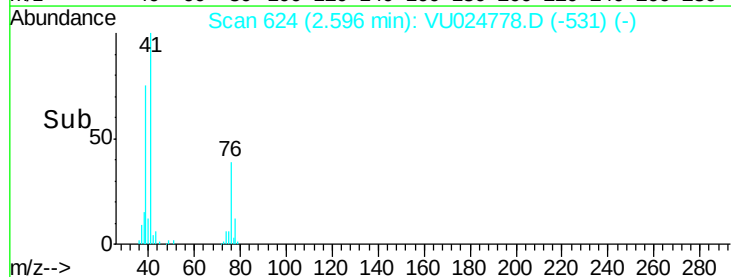
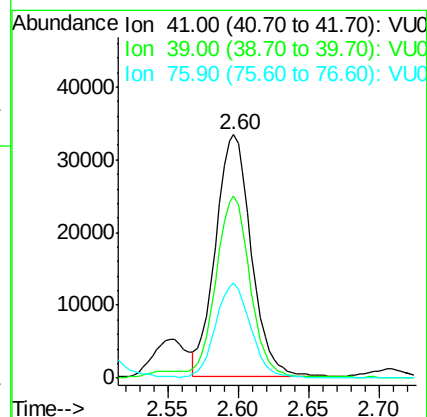
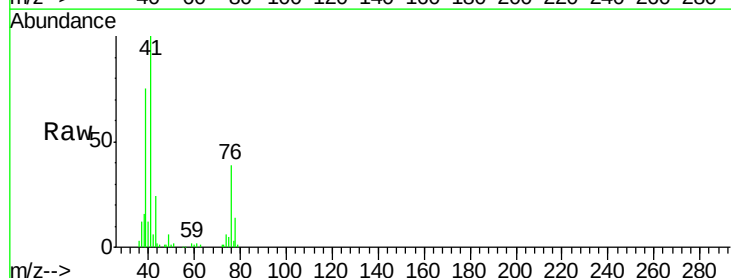
RT: 2.60 min Scan# 624

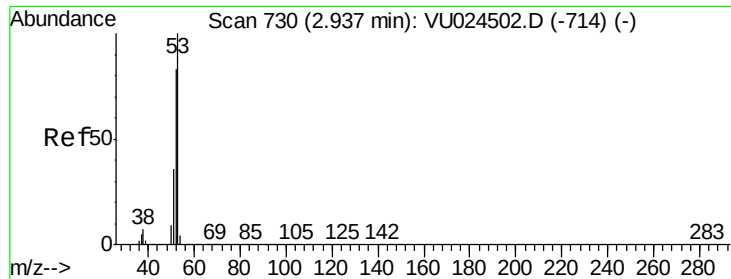
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	41	Resp:	58496
Ion Ratio	Lower	Upper	
41	100		
39	70.7	61.6	92.4
76	38.6	29.7	44.5





#15

Acrylonitrile

Concen: 100.70 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

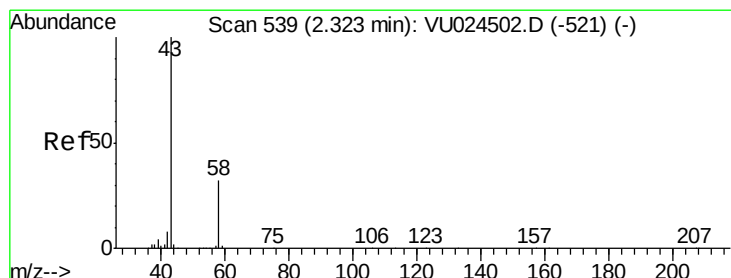
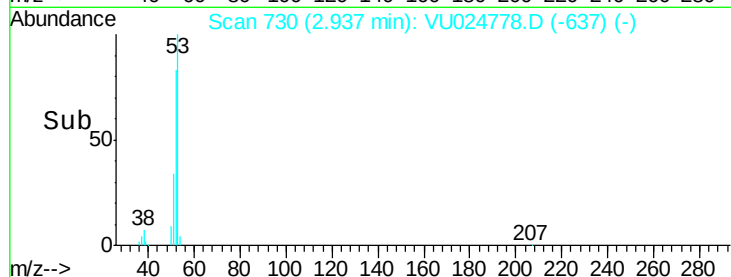
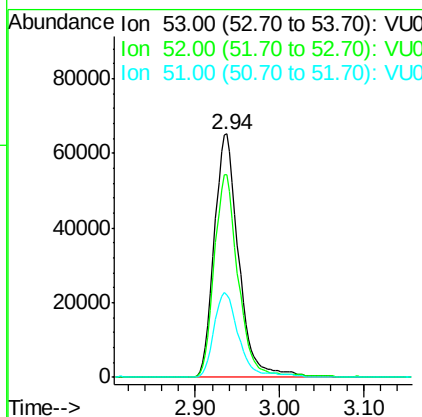
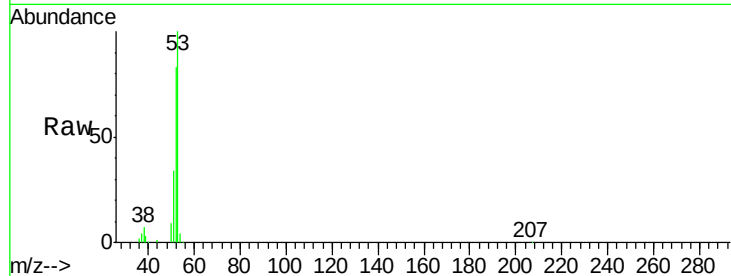
ClientSampleId :

VU0620WBSD02

Tot Ion:	53	Resp:	132062
Ion	Ratio	Lower	Upper
53	100		
52	80.3	67.1	100.7
51	34.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 77.31 ug/l

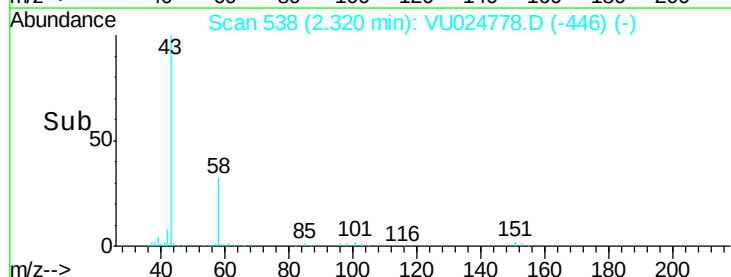
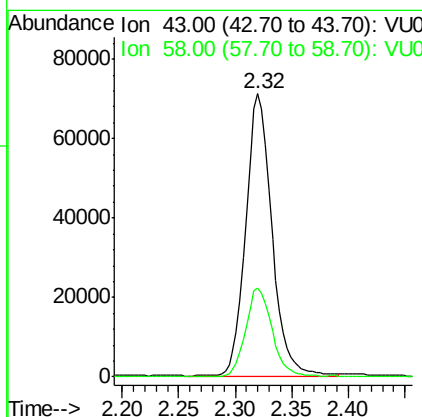
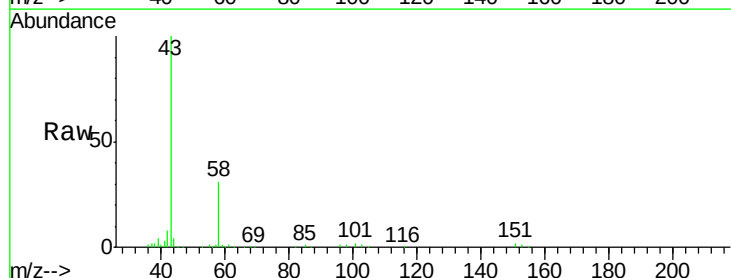
RT: 2.32 min Scan# 538

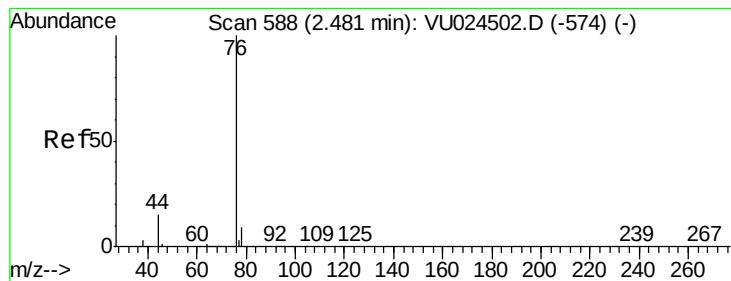
Delta R.T. -0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	43	Resp:	115114
Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.4	36.6





#17

Carbon Disulfide

Concen: 16.24 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 76 Resp: 100545

Ion Ratio Lower Upper

76 100

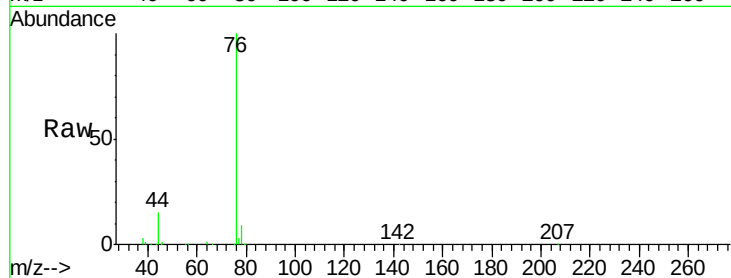
78 9.4 7.1 10.7

Manual Integrations

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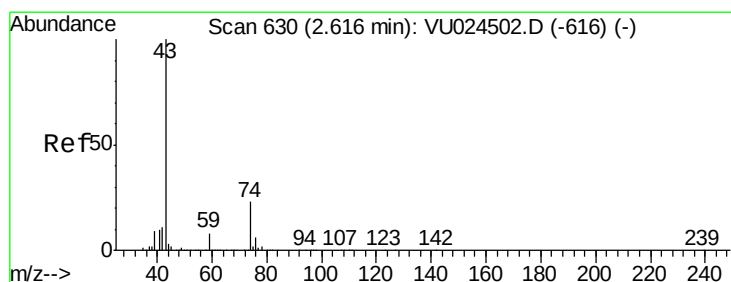
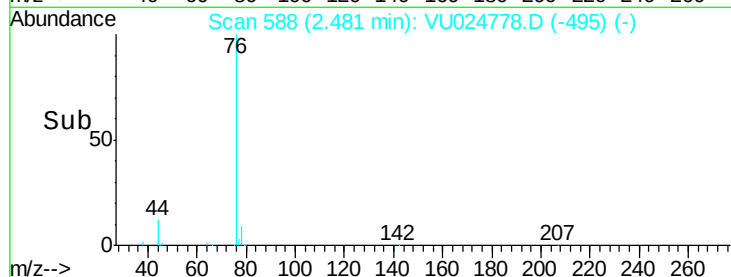
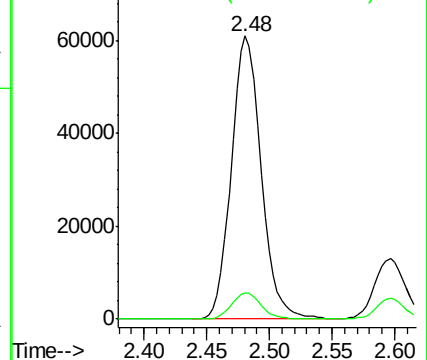
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.36 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024778.D

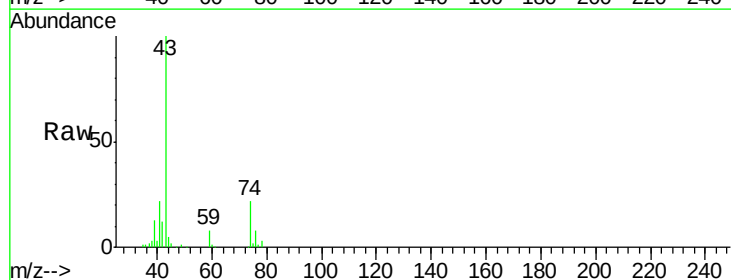
Acq: 21 Jun 2018 00:25

Tgt Ion: 43 Resp: 68202

Ion Ratio Lower Upper

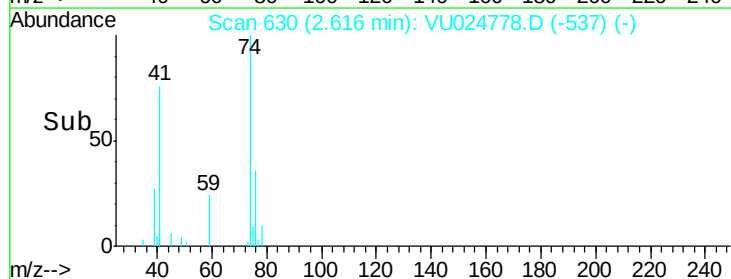
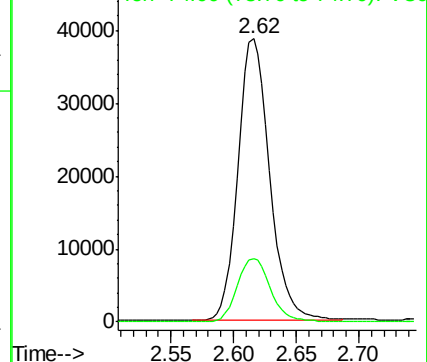
43 100

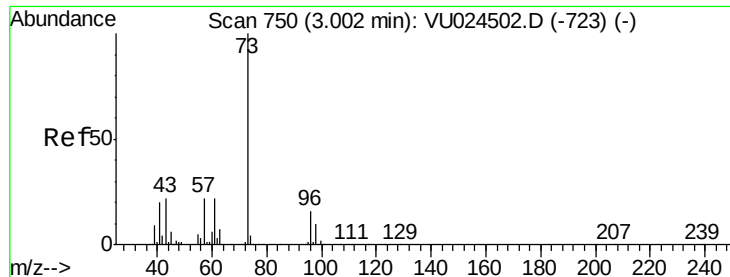
74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

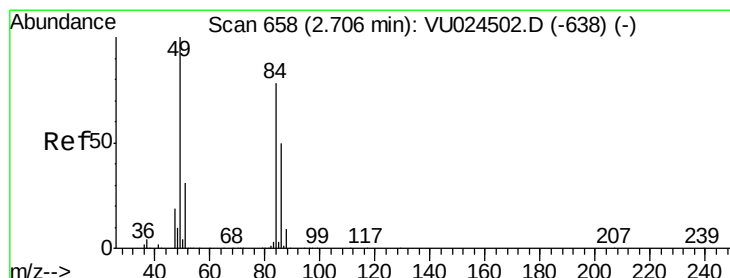
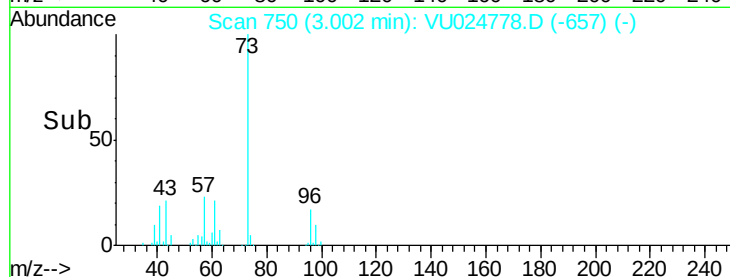
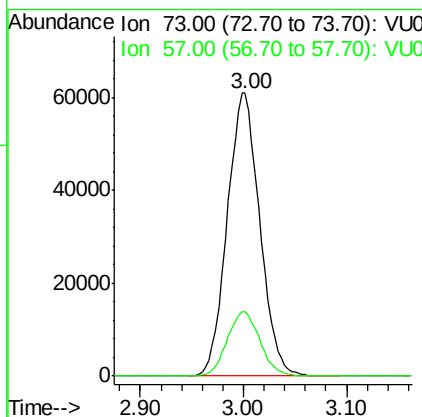
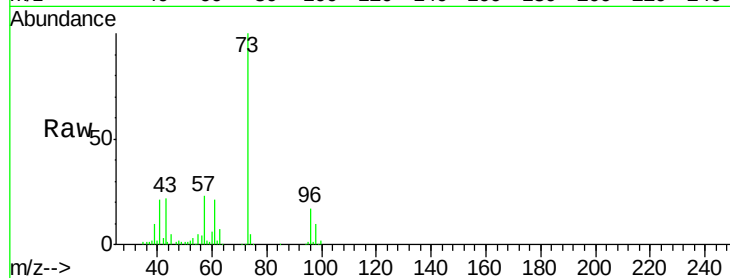
Methyl tert-butyl Ether
 Concen: 18.45 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.8	28.2

Manual Integrations
 APPROVED

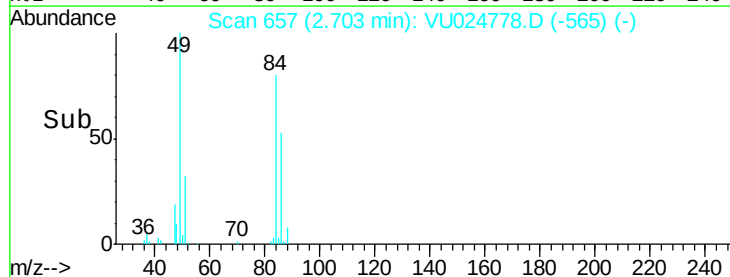
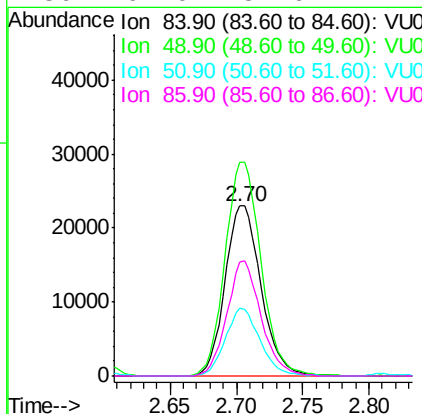
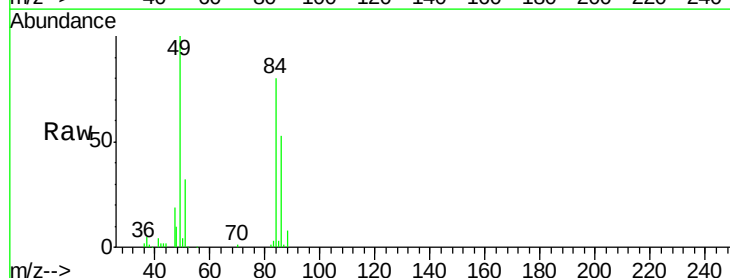
apatel
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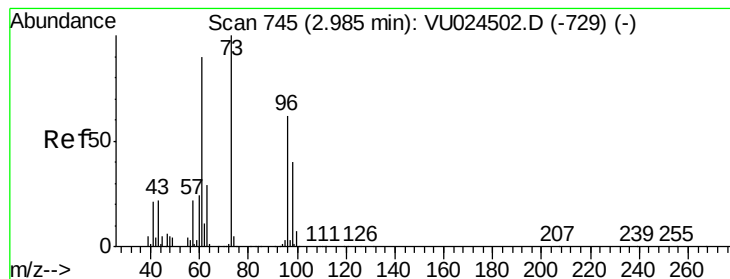


#20

Methylene Chloride
 Concen: 18.54 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.7	103.8	155.8
51	39.9	32.0	48.0
86	67.0	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 17.88 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

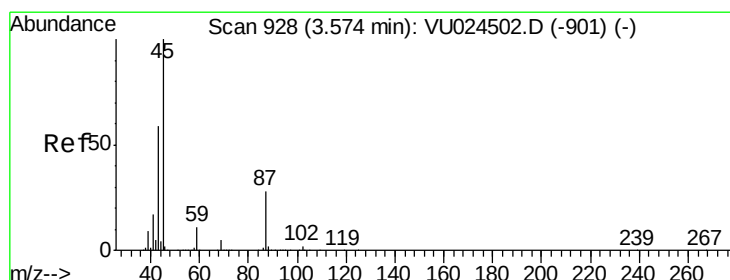
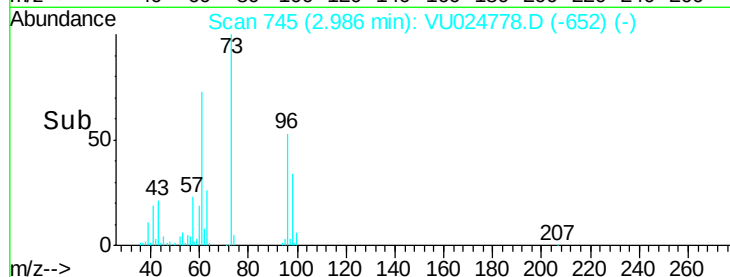
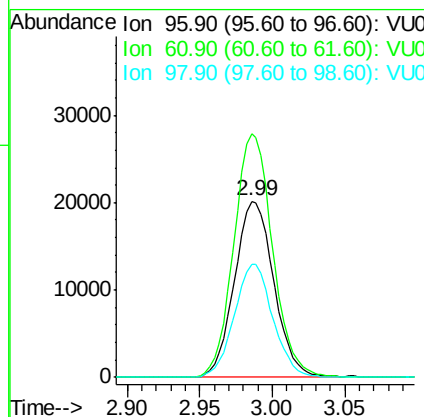
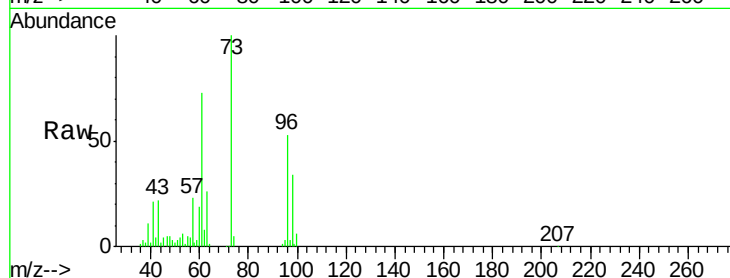
ClientSampleId :

VU0620WBSD02

Tot Ion:	96	Resp:	38061
Ion Ratio	Lower	Upper	
96	100		
61	138.1	119.4	179.0
98	64.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.87 ug/l

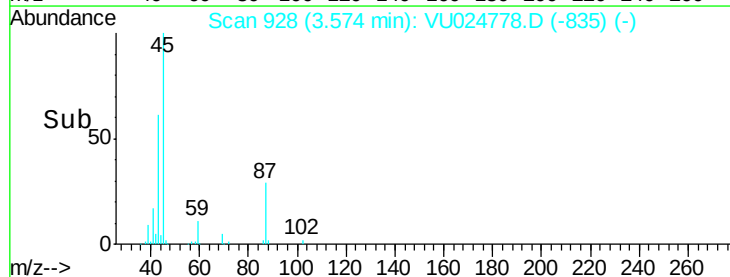
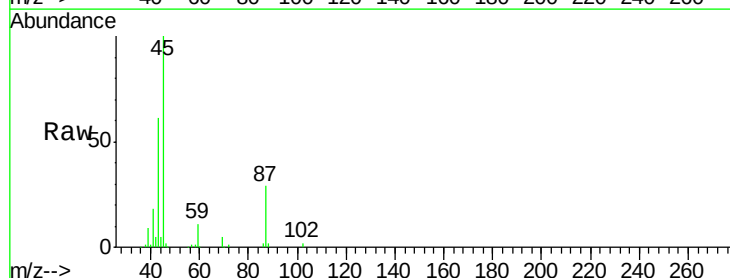
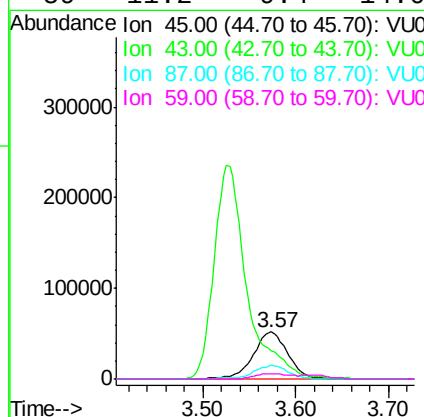
RT: 3.57 min Scan# 928

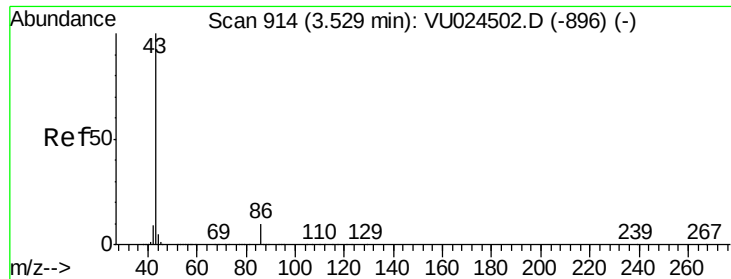
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	45	Resp:	134238
Ion Ratio	Lower	Upper	
45	100		
43	59.3	45.8	68.6
87	28.8	20.6	31.0
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 91.01 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 43 Resp: 580072

Ion Ratio Lower Upper

43 100

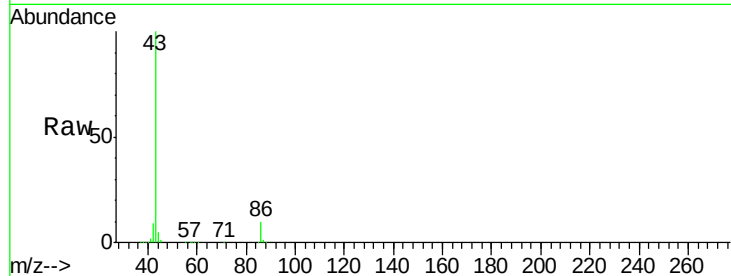
86 10.2 7.8 11.8

Manual Integrations

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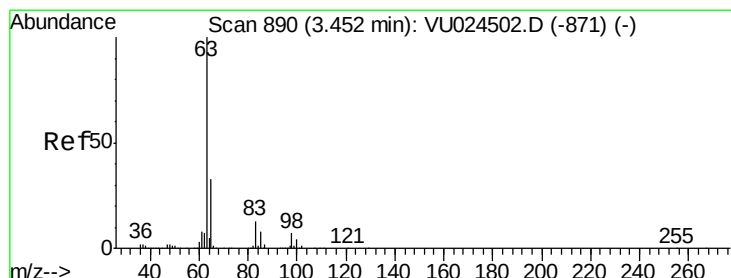
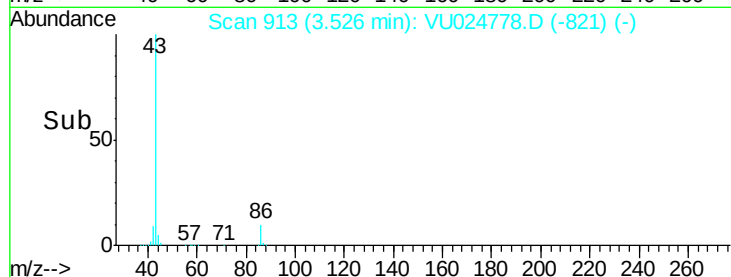
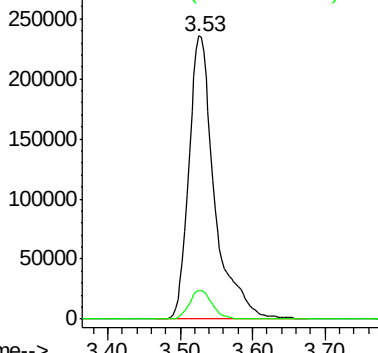
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 18.33 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

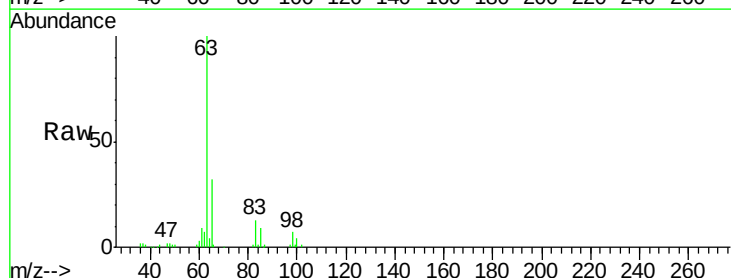
Tgt Ion: 63 Resp: 75036

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

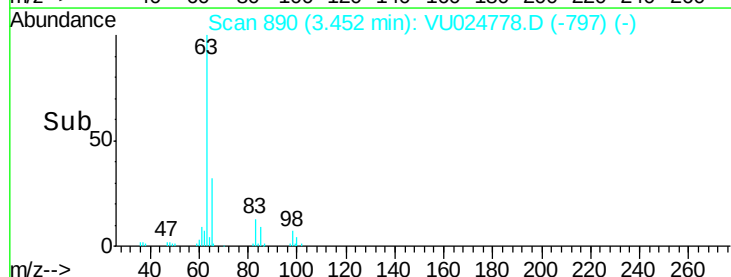
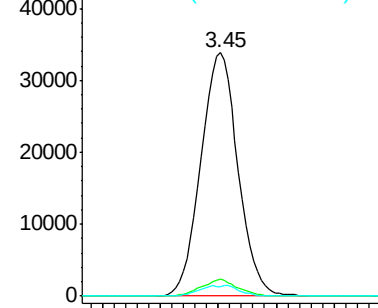
100 4.1 1.8 5.5

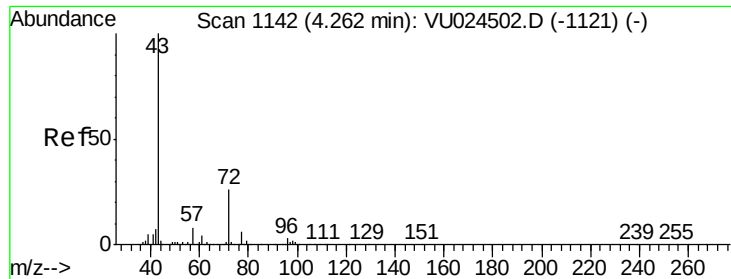


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





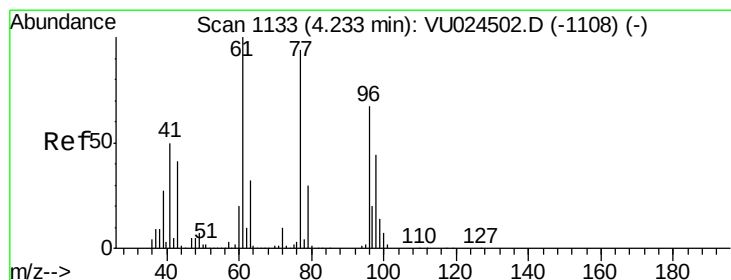
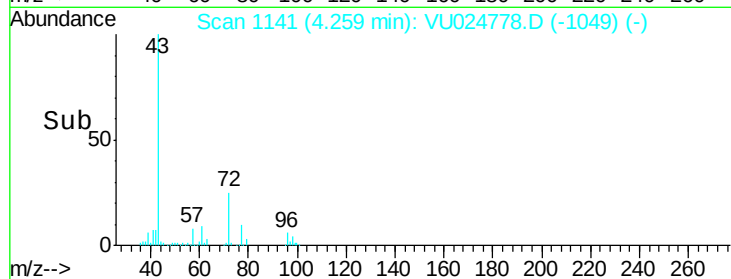
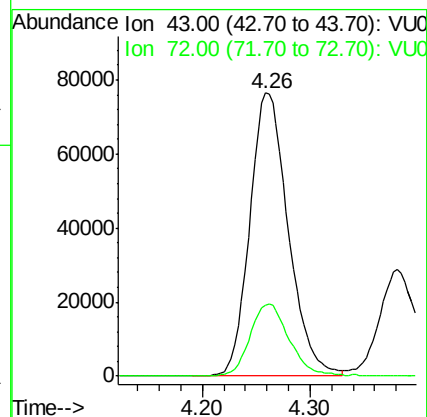
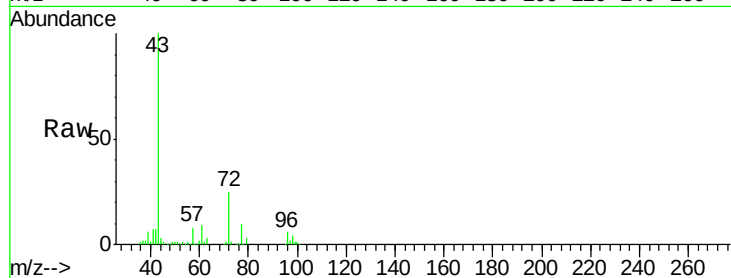
#25
2-Butanone
Concen: 94.04 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion: 43 Resp: 188093
Ion Ratio Lower Upper
43 100
72 25.2 19.6 29.4

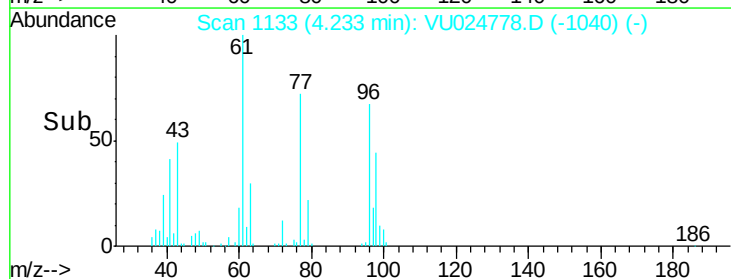
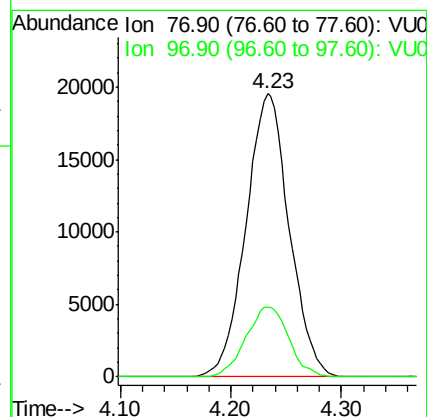
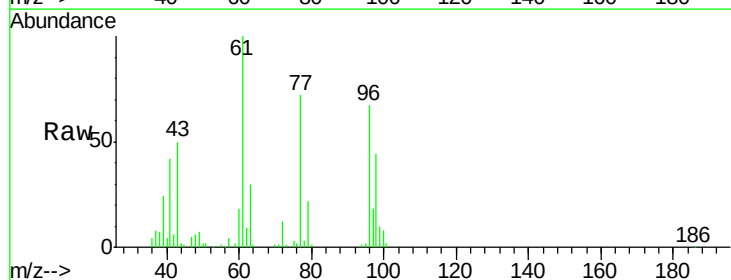
Manual Integrations
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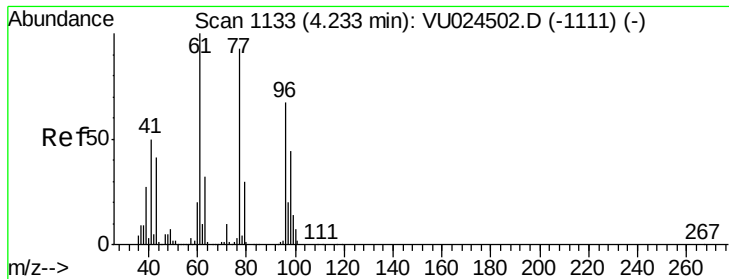
apatel
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#26
2,2-Dichloropropane
Concen: 13.66 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion: 77 Resp: 53104
Ion Ratio Lower Upper
77 100
97 24.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 18.40 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

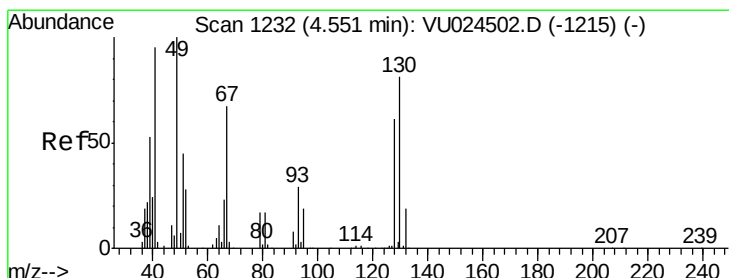
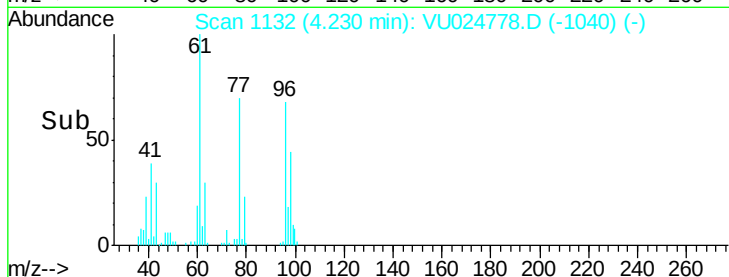
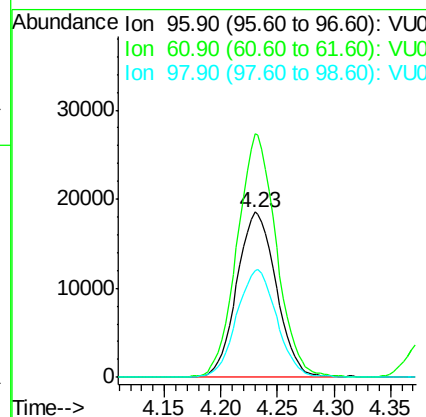
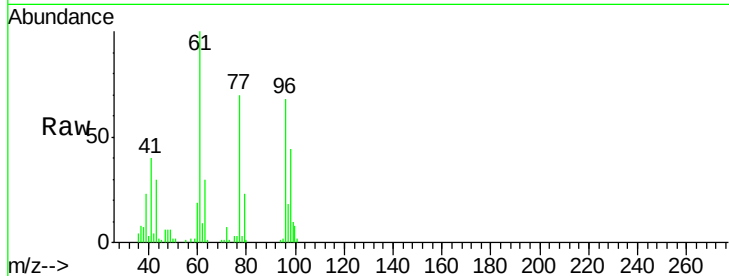
ClientSampleId :

VU0620WBSD02

Tot Ion:	96	Resp:	45029
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	306.6
98	66.0	0.0	128.8

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#28

Bromochloromethane

Concen: 19.83 ug/l

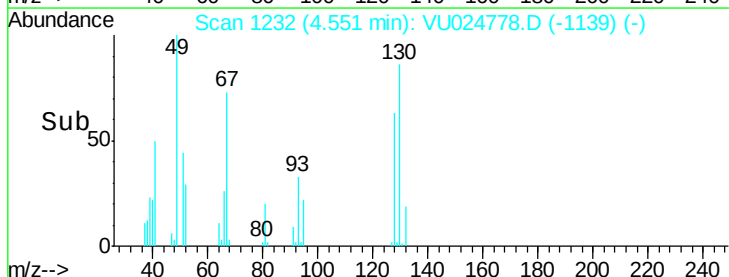
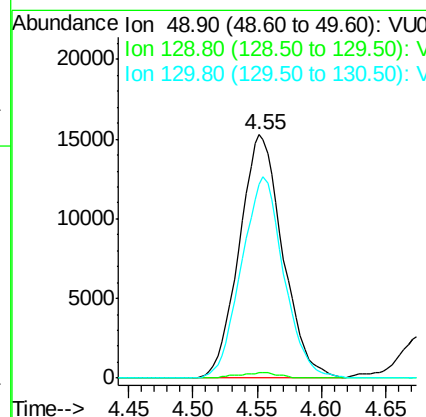
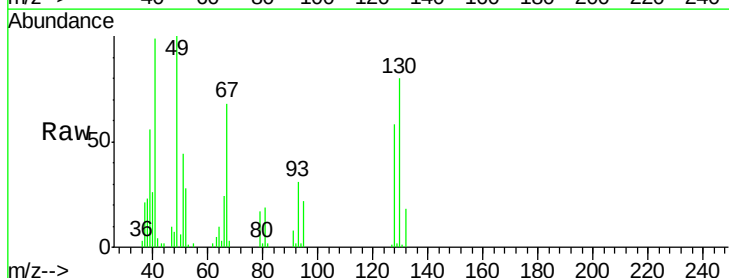
RT: 4.55 min Scan# 1232

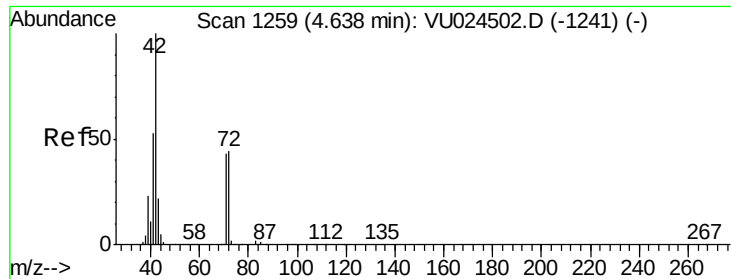
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	49	Resp:	35746
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	80.8	57.8	86.6





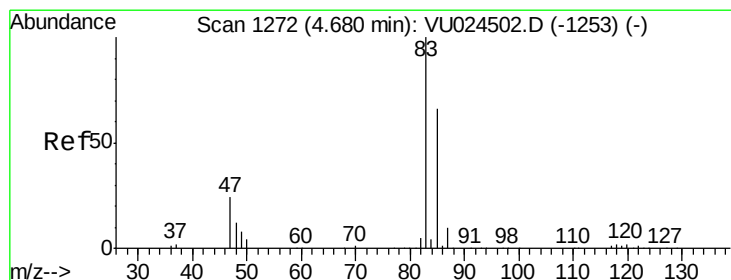
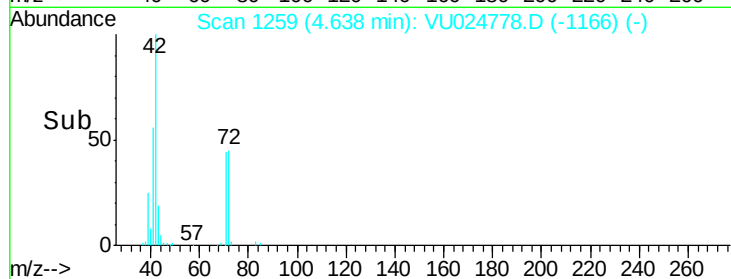
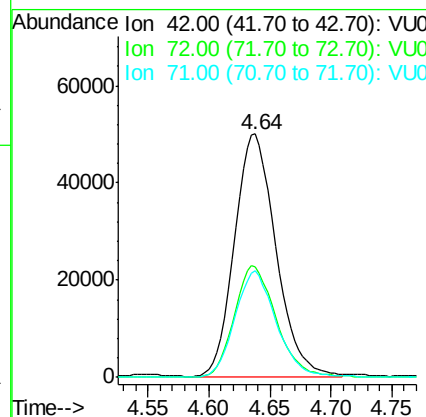
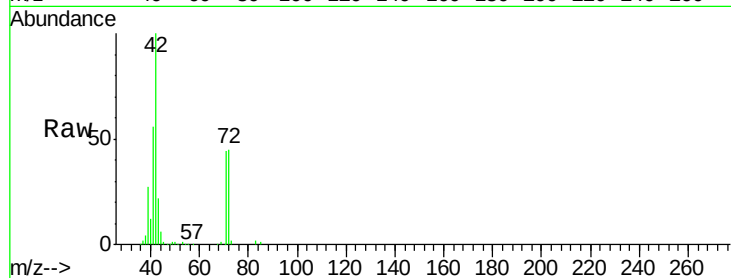
#29
Tetrahydrofuran
Concen: 95.03 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	34.5	51.7
71	43.7	32.2	48.4

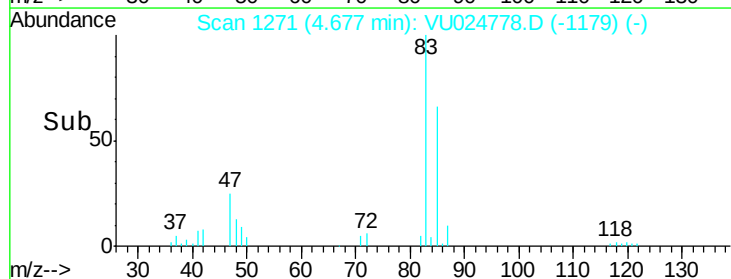
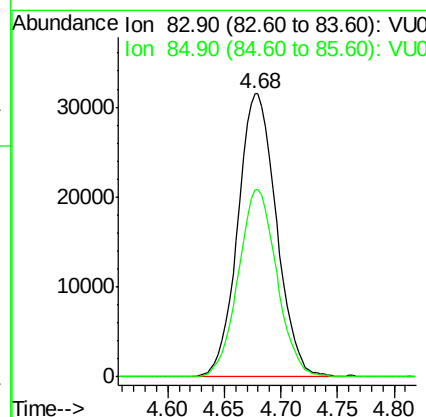
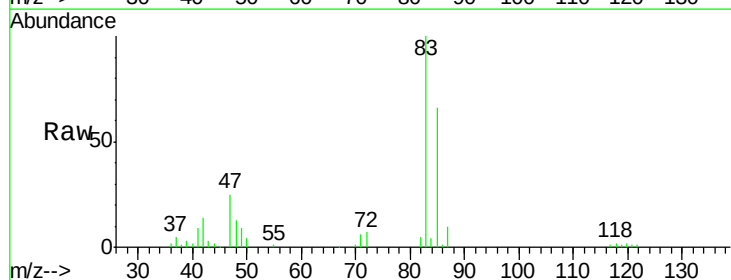
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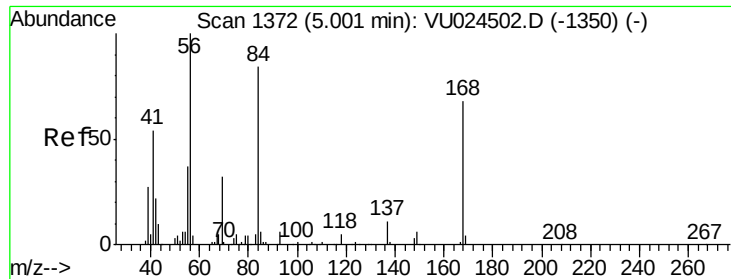
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#30
Chloroform
Concen: 18.04 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.4	78.6





#31

Cyclohexane

Concen: 17.70 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

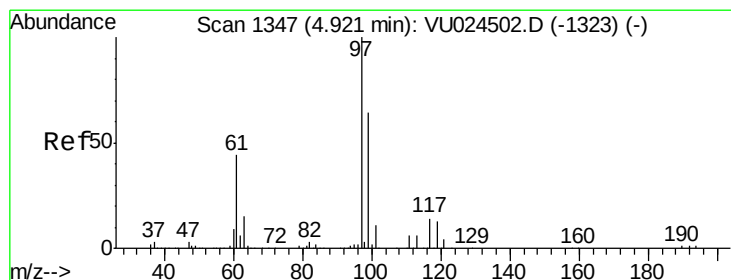
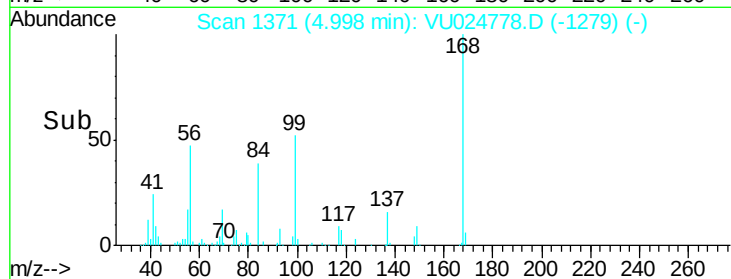
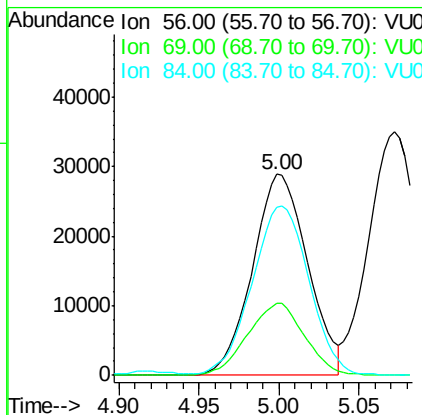
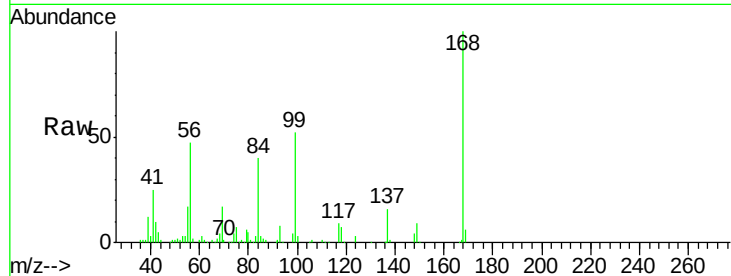
ClientSampleId :

VU0620WBSD02

Tot Ion:	56	Resp:	68979
Ion	Ratio	Lower	Upper
56	100		
69	35.9	24.8	37.2
84	83.1	65.2	97.8

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#32

1,1,1-Trichloroethane

Concen: 17.59 ug/l

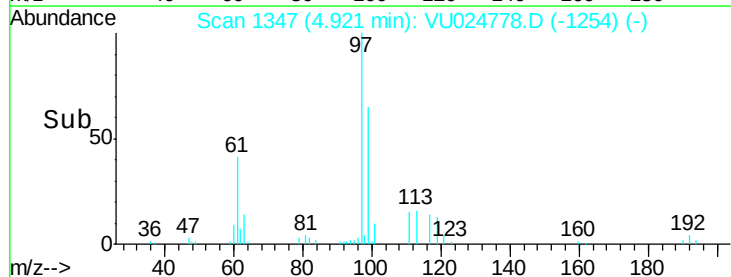
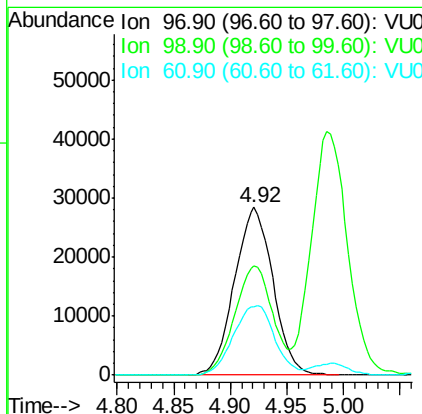
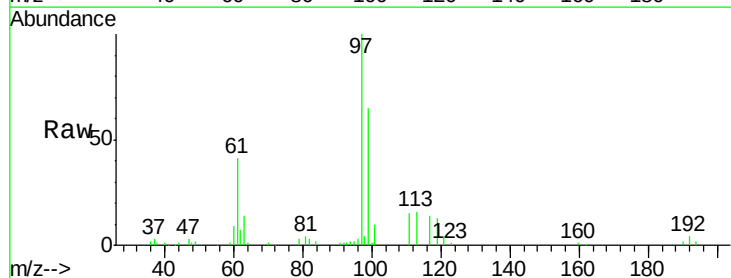
RT: 4.92 min Scan# 1347

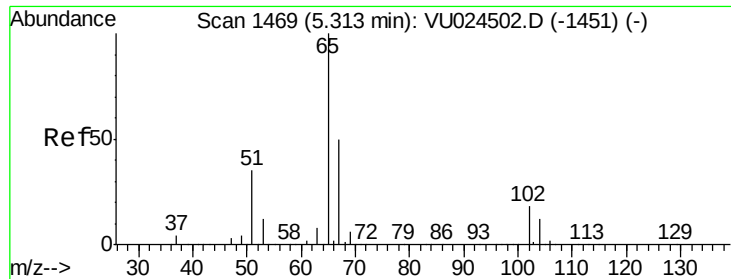
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	97	Resp:	67387
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	44.0	39.4	59.0





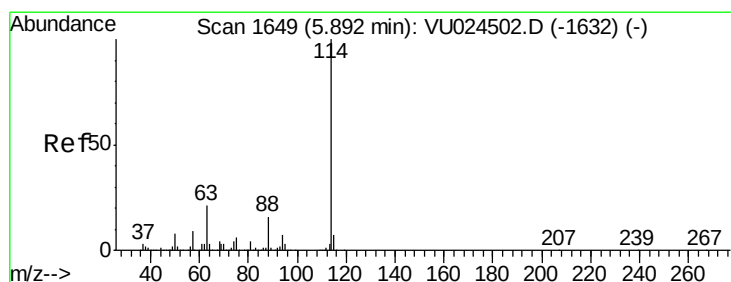
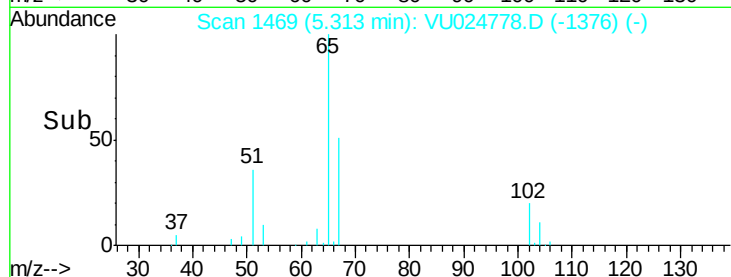
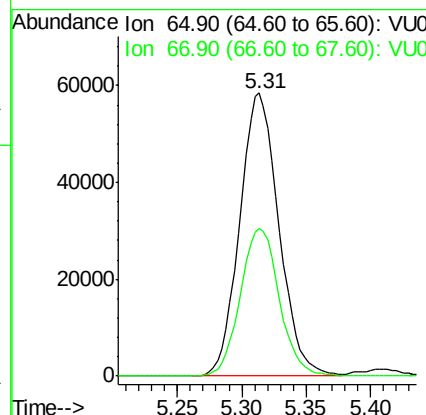
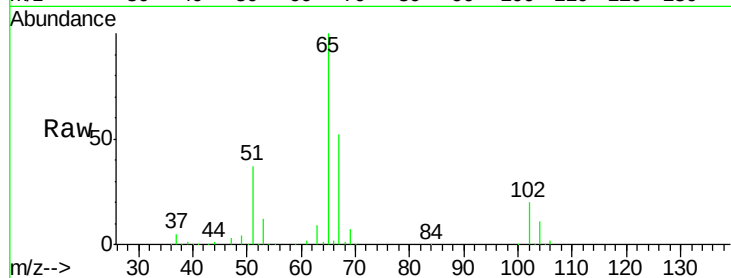
#33
 1,2-Dichloroethane-d4
 Concen: 44.56 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.0

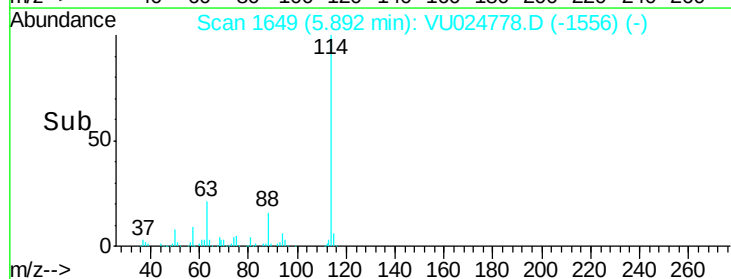
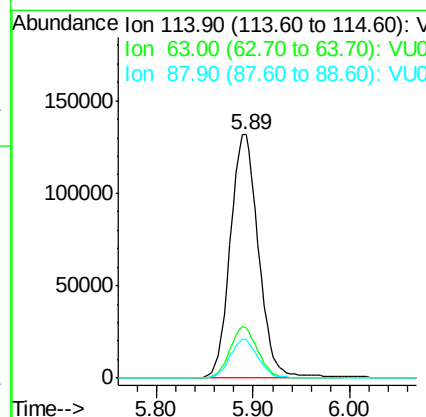
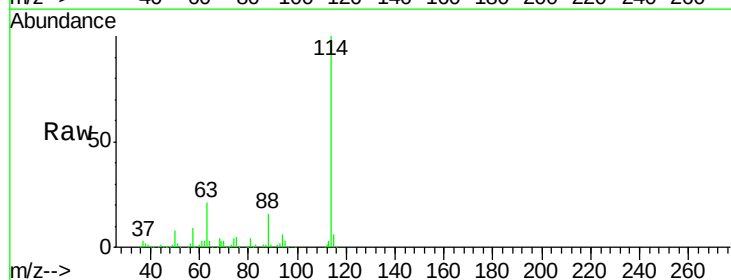
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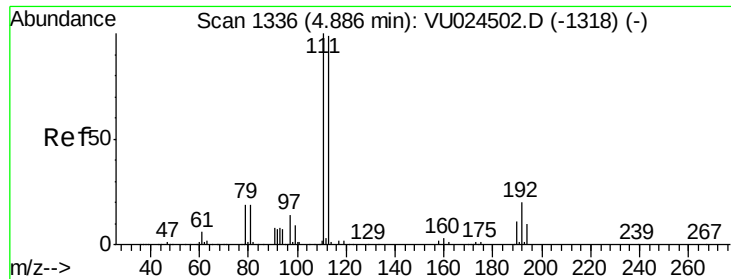
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	15.8	0.0	31.0





#35

Dibromofluoromethane

Concen: 45.31 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

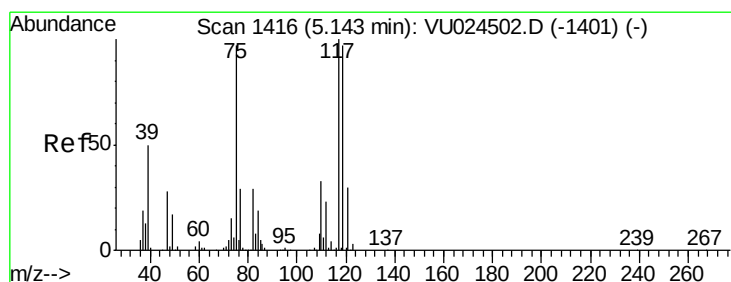
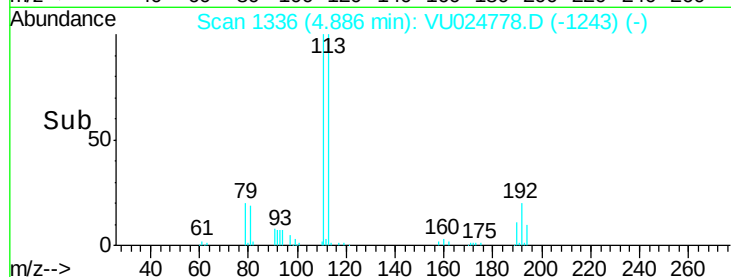
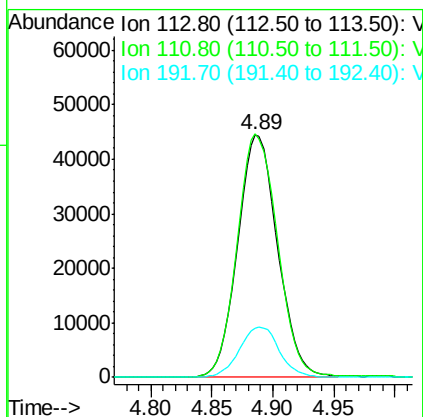
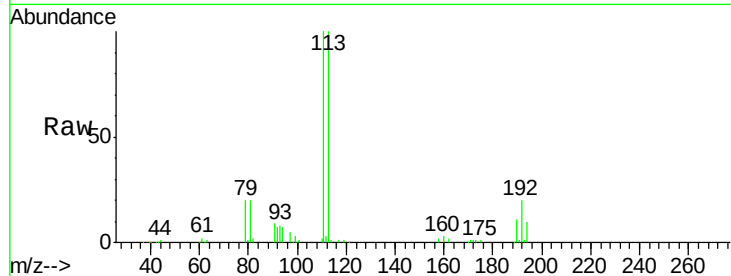
ClientSampleId :

VU0620WBSD02

Tot Ion:	113	Resp:	100632
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.2	123.4
192	20.8	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 16.40 ug/l

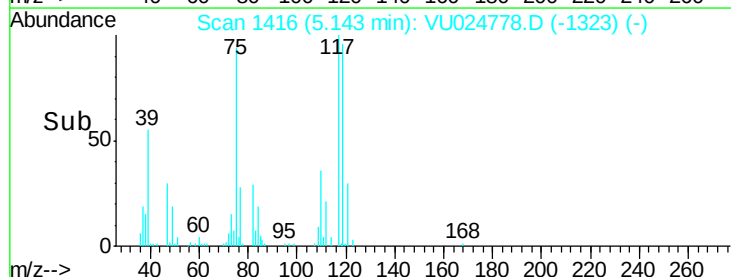
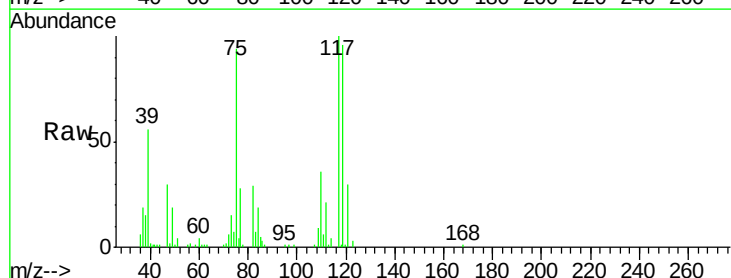
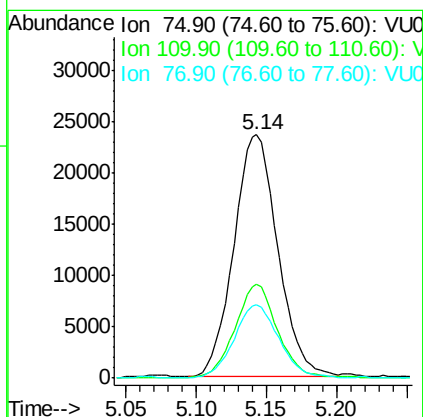
RT: 5.14 min Scan# 1416

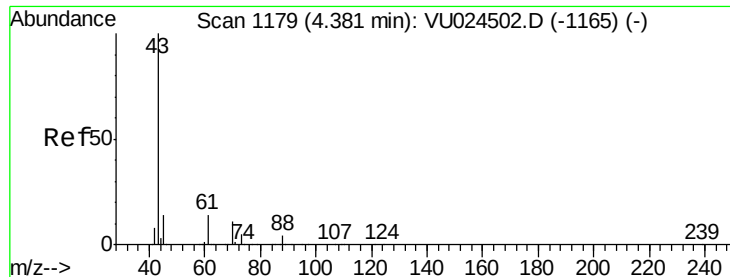
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	75	Resp:	51580
Ion Ratio	Lower	Upper	
75	100		
110	37.4	17.0	50.9
77	30.9	24.2	36.4





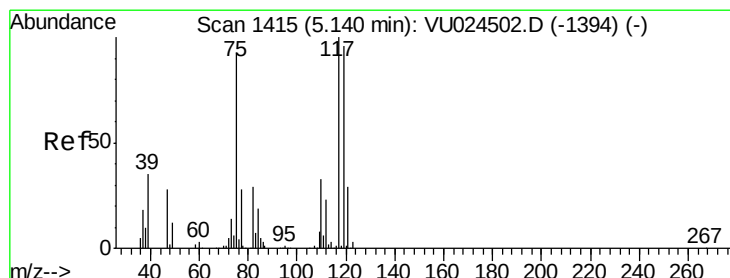
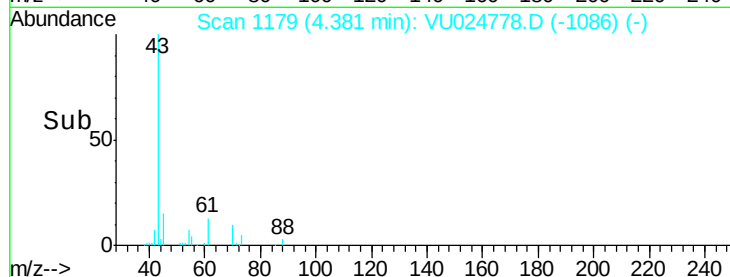
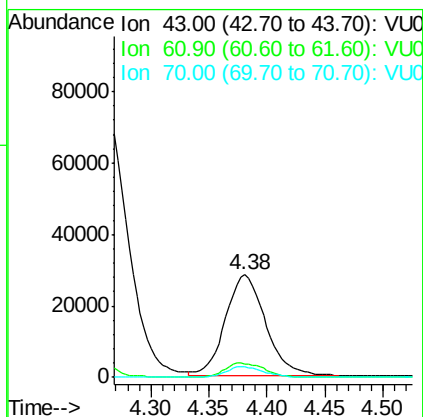
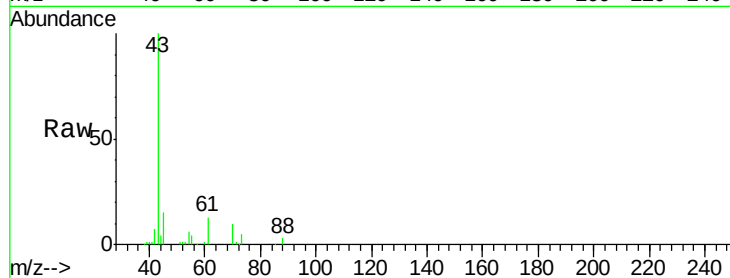
#37
Ethyl Acetate
Concen: 19.92 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	10.2	7.4	11.2

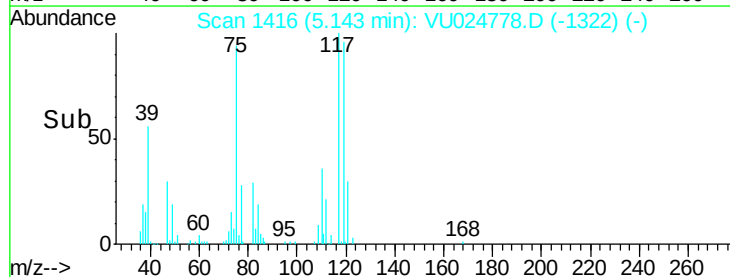
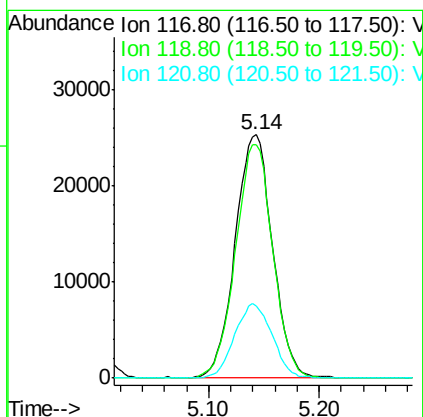
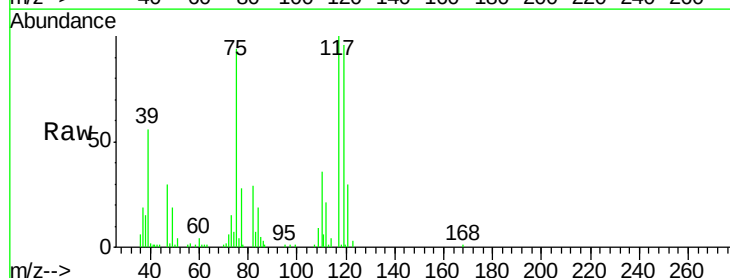
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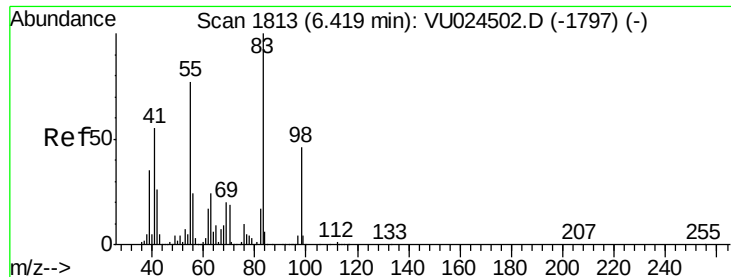
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#38
Carbon Tetrachloride
Concen: 17.18 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	29.6	23.7	35.5





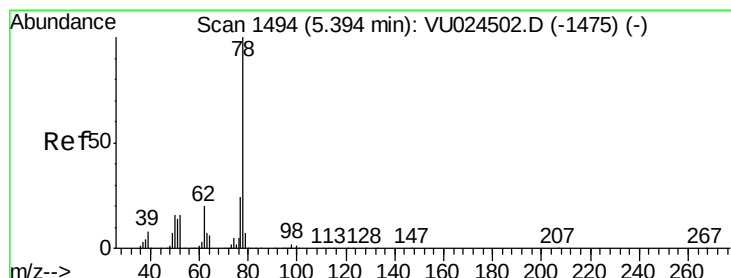
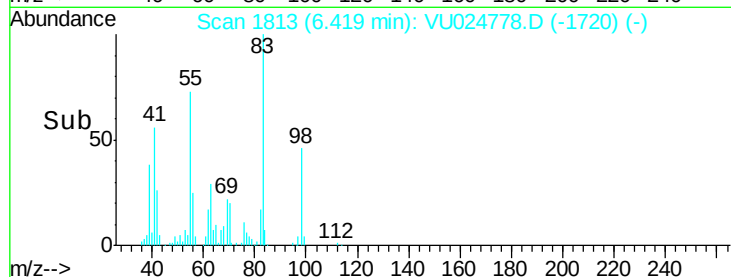
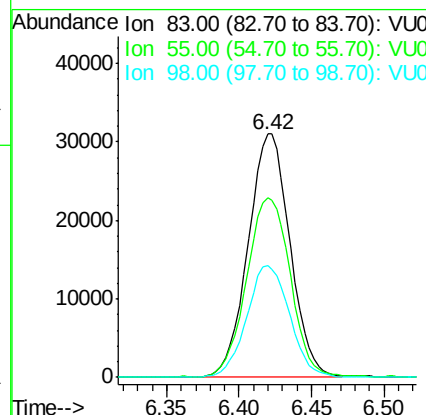
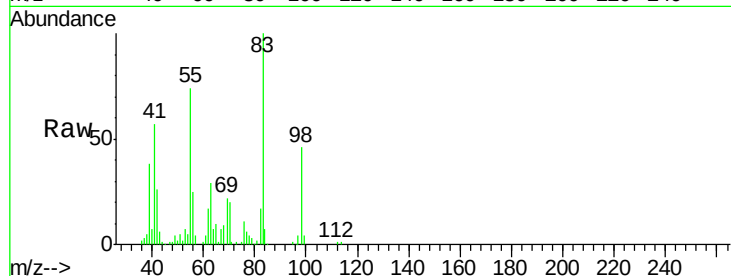
#39
Methylvlcyclohexane
Concen: 15.90 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	65.8	98.6
98	45.9	36.7	55.1

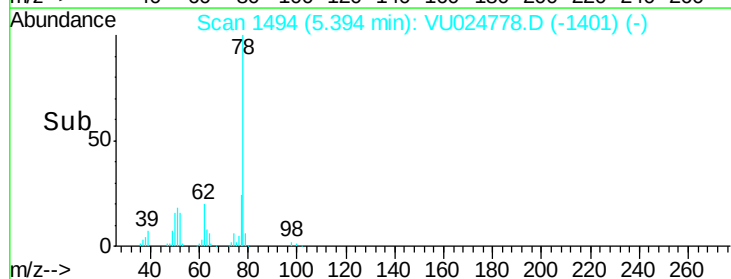
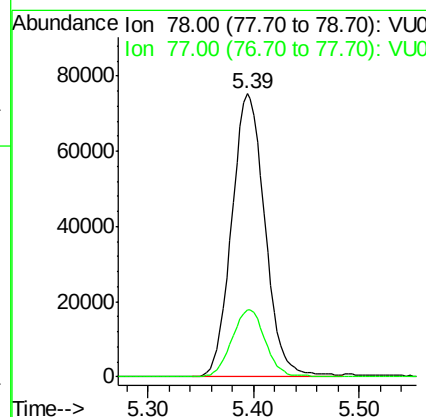
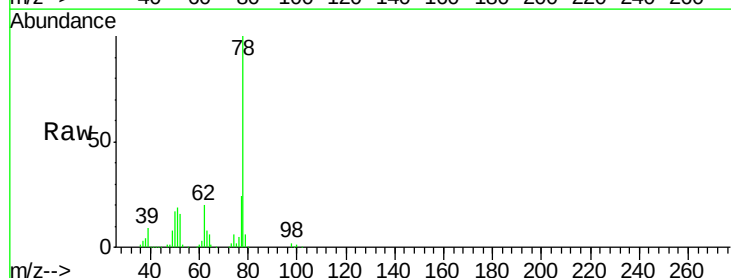
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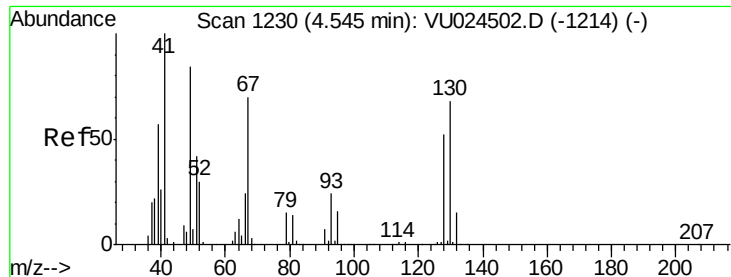
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#40
Benzene
Concen: 18.38 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





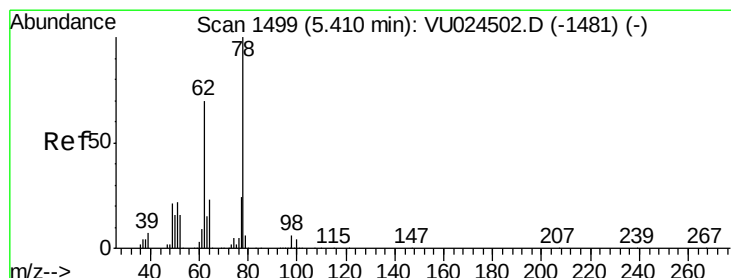
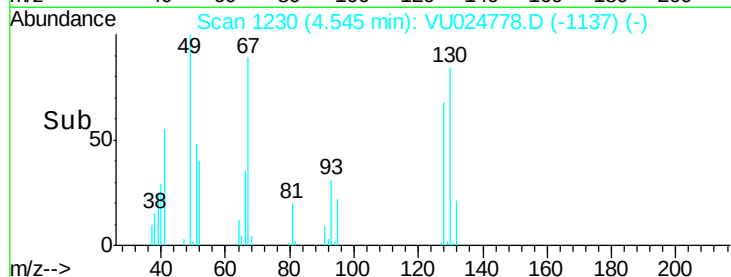
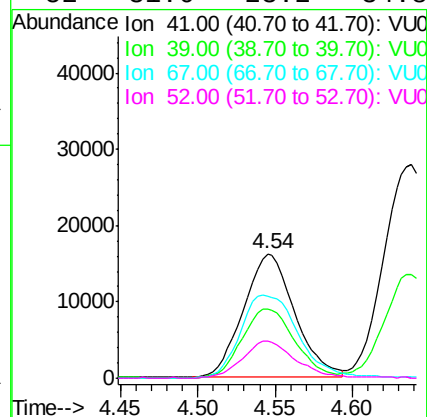
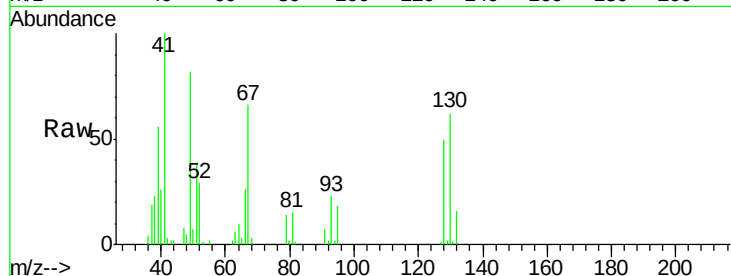
#41
Methacrylonitrile
Concen: 20.13 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.2	43.8	65.6	
67	76.8	56.3	84.5	
52	31.6	23.2	34.8	

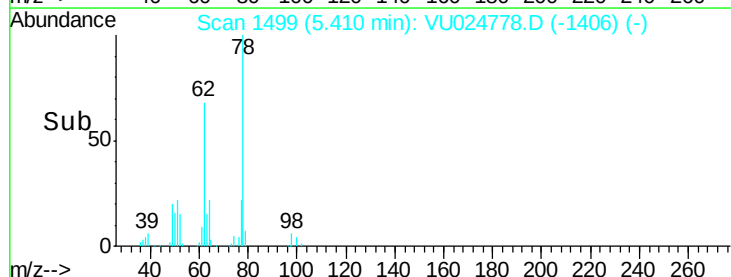
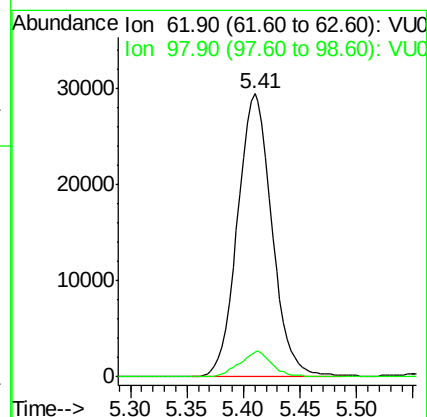
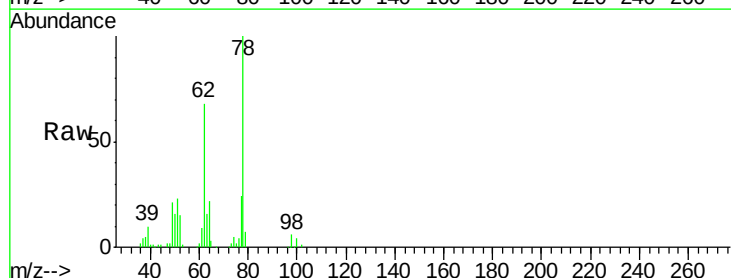
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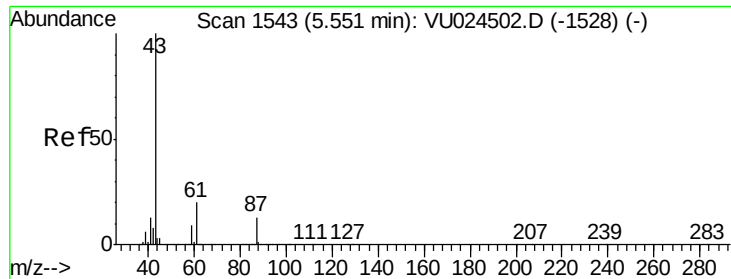
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#42
1,2-Dichloroethane
Concen: 18.28 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.6	





#43

Isopropyl Acetate

Concen: 18.51 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

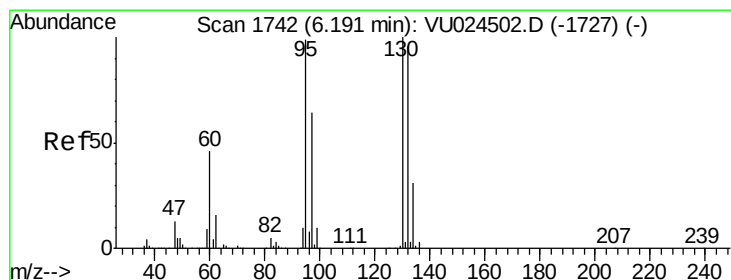
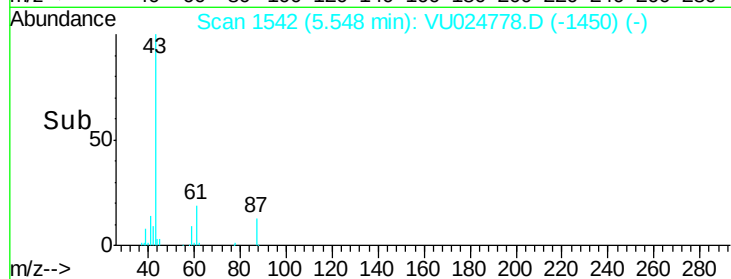
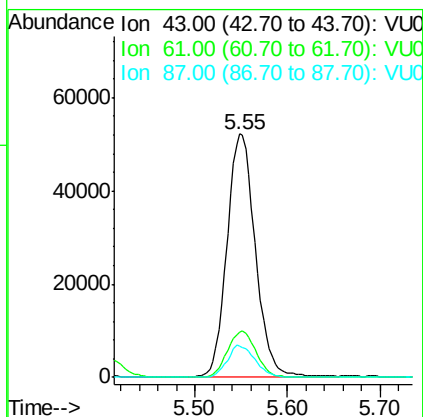
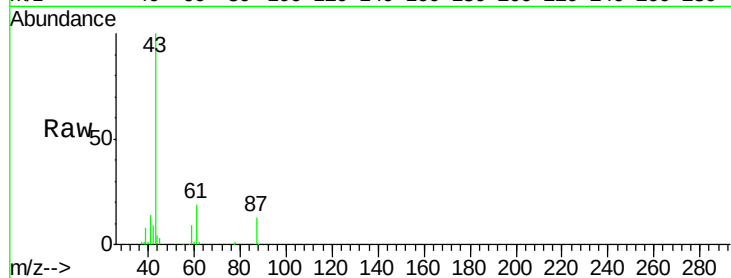
ClientSampleId :

VU0620WBSD02

Tot Ion:	43	Resp:	109630
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.1	10.0	15.0

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#44

Trichloroethene

Concen: 17.58 ug/l

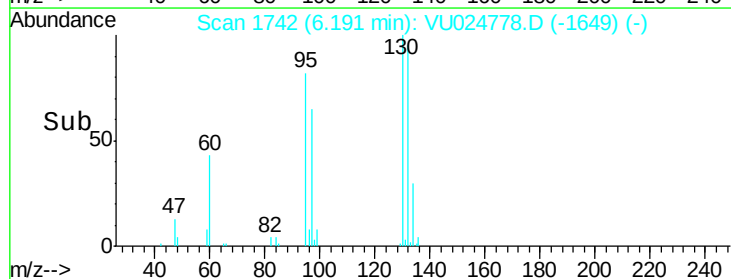
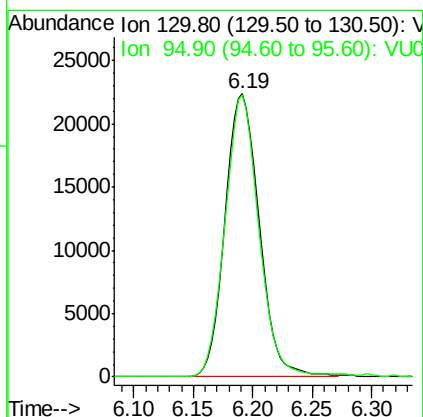
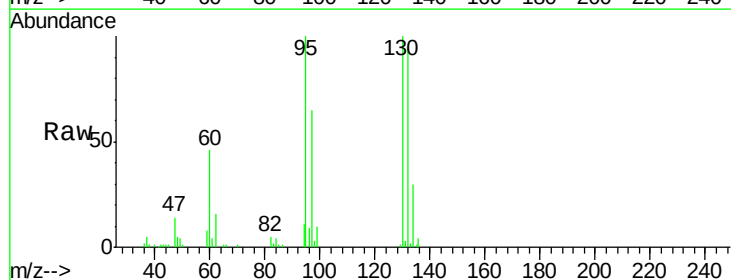
RT: 6.19 min Scan# 1742

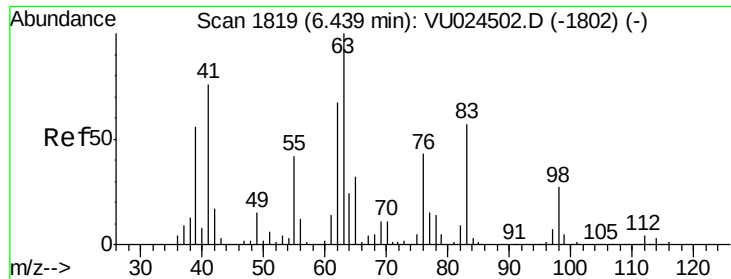
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	130	Resp:	44817
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	202.4





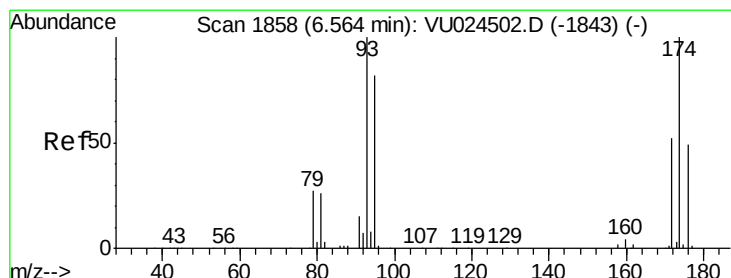
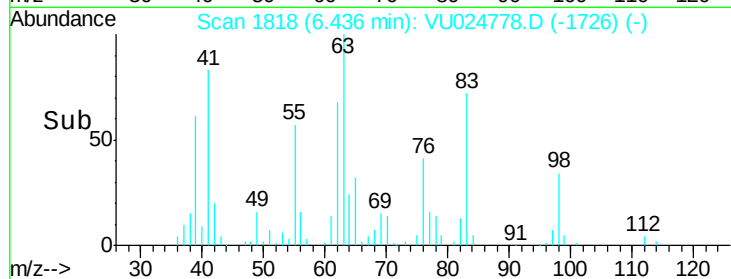
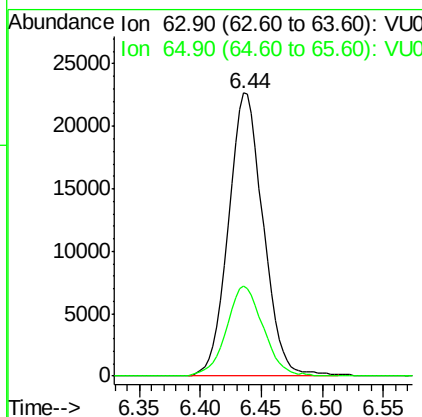
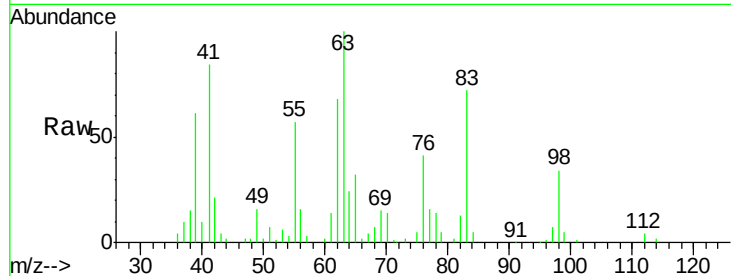
#45
 1,2-Dichloropropane
 Concen: 18.87 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0620WBSD02

Tot Ion: 63 Resp: 45103
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2

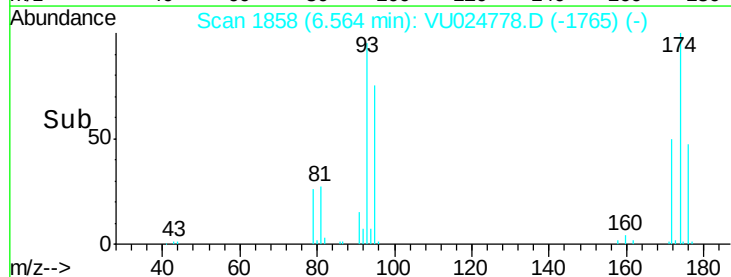
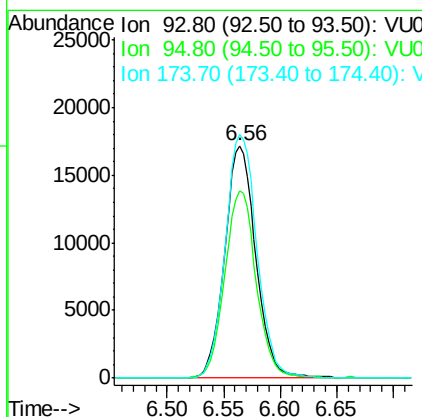
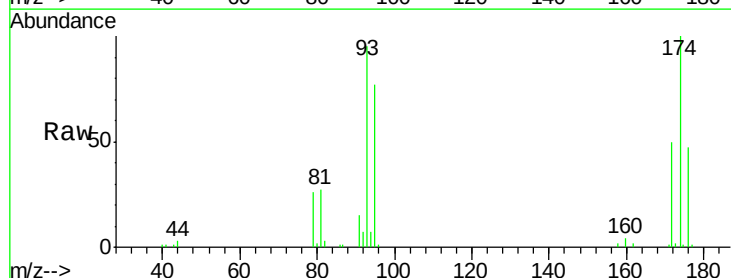
Manual Integrations
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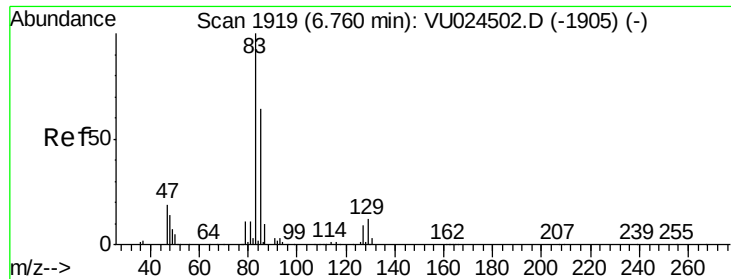
apatel
 6/21/2018 1:45:02 PM



#46
 Dibromomethane
 Concen: 19.63 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion: 93 Resp: 32966
 Ion Ratio Lower Upper
 93 100
 95 80.9 65.5 98.3
 174 106.5 78.7 118.1





#47

Bromodichloromethane

Concen: 17.96 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

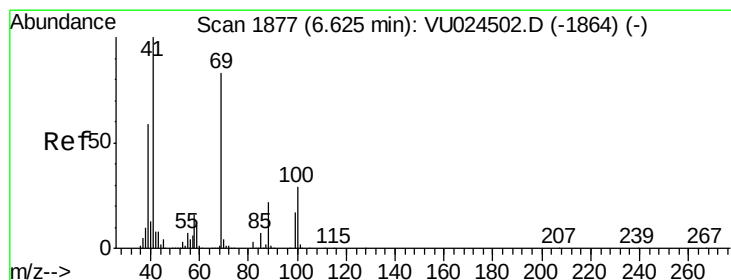
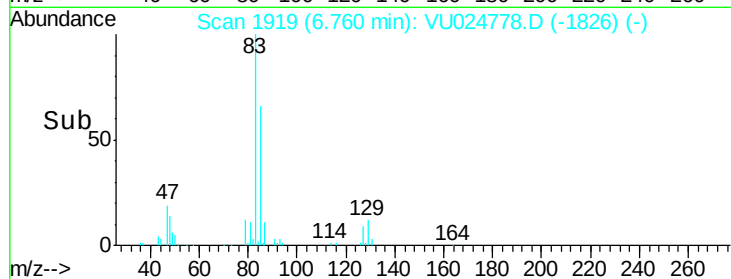
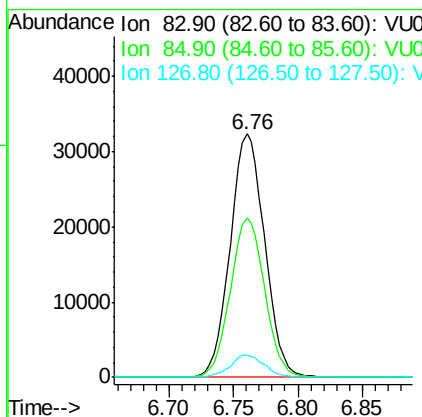
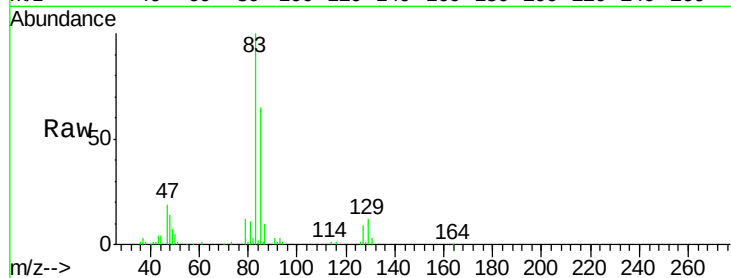
ClientSampleId :

VU0620WBSD02

Tot Ion:	83	Resp:	60071
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9
127	9.2	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.12 ug/l

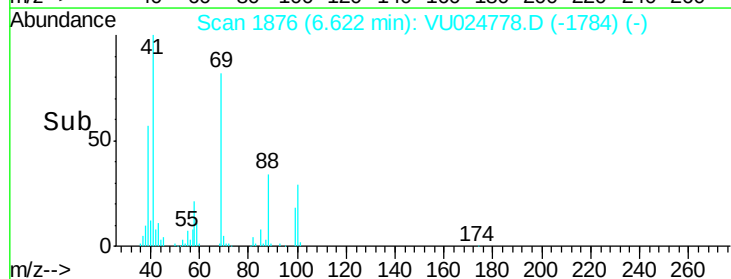
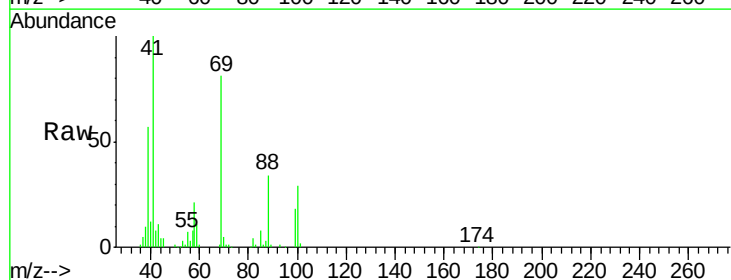
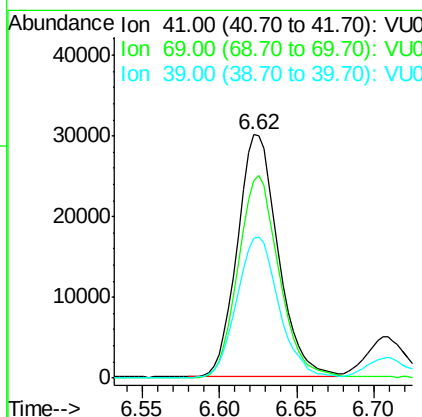
RT: 6.62 min Scan# 1876

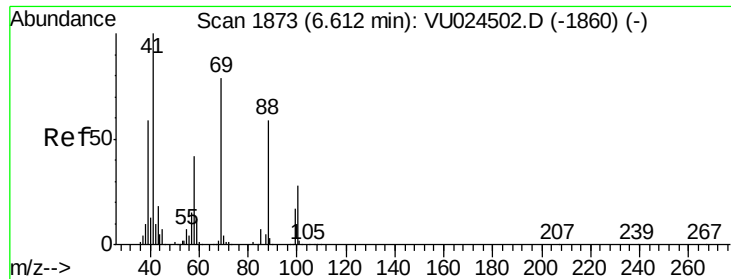
Delta R.T. -0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	41	Resp:	55156
Ion	Ratio	Lower	Upper
41	100		
69	83.6	67.3	100.9
39	60.4	46.5	69.7





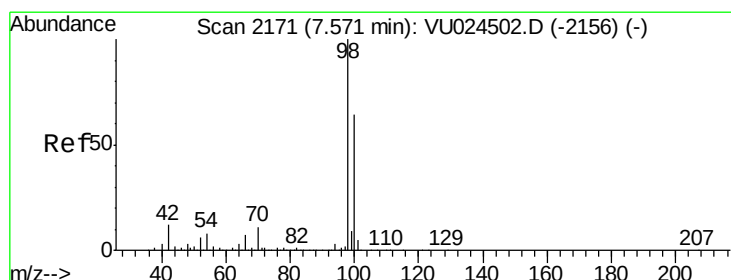
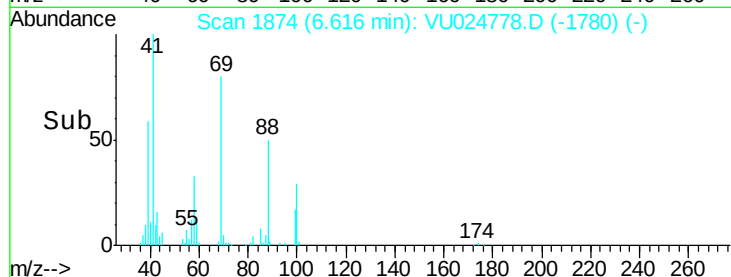
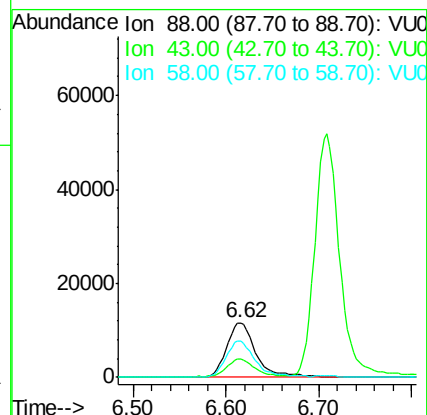
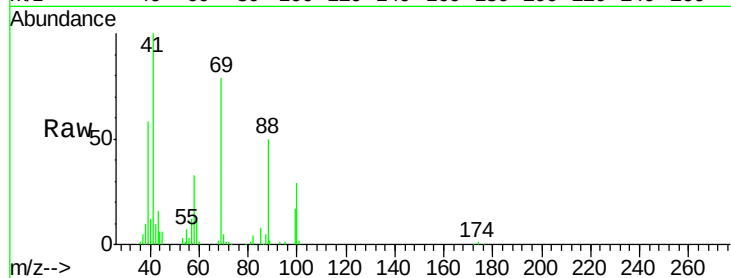
#49
1,4-Dioxane
Concen: 450.95 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	28.6	42.8
58	67.0	58.2	87.4

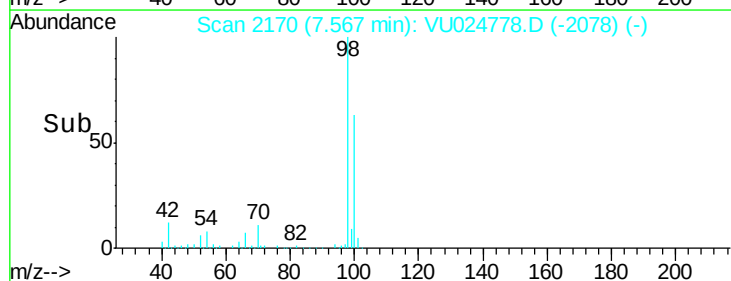
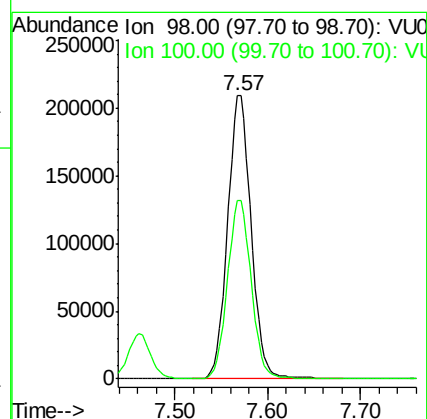
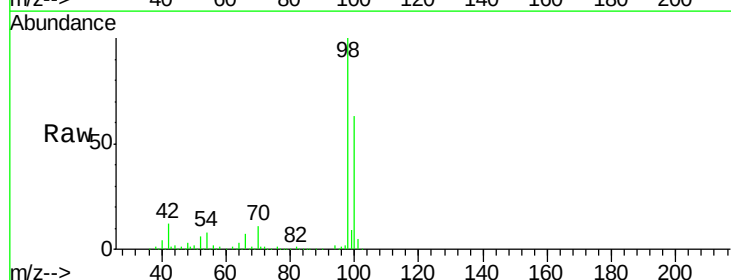
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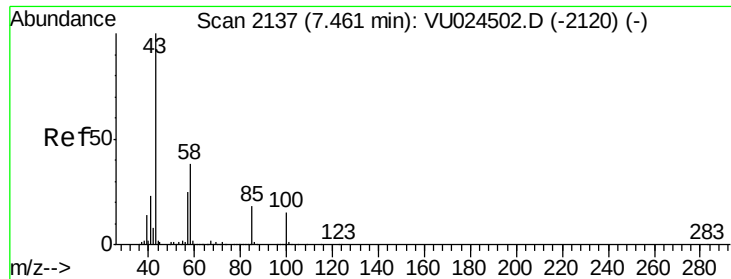
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#50
Toluene-d8
Concen: 45.45 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 98.64 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 43 Resp: 367096

Ion Ratio Lower Upper

43 100

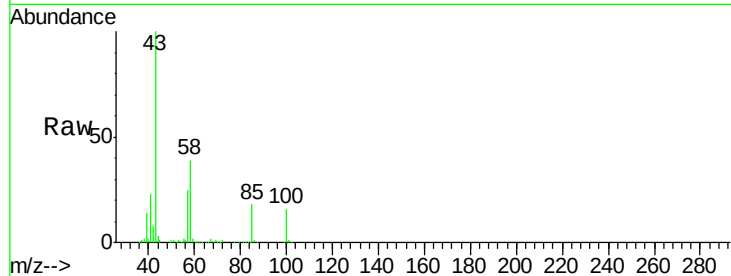
58 38.4 30.0 45.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

250000

200000

150000

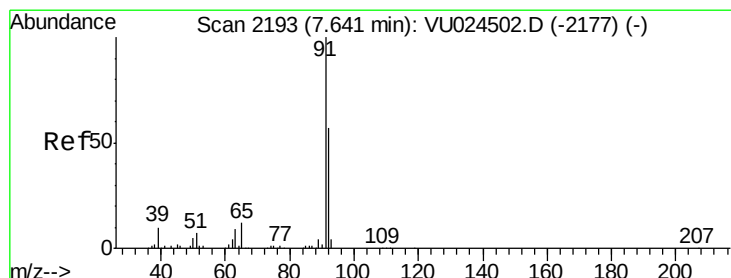
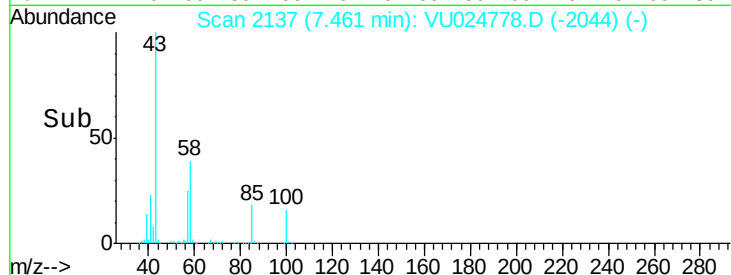
100000

50000

0

7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 17.97 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024778.D

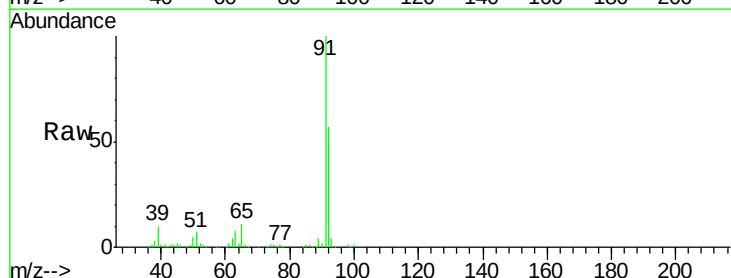
Acq: 21 Jun 2018 00:25

Tgt Ion: 92 Resp: 103590

Ion Ratio Lower Upper

92 100

91 177.4 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

120000

100000

80000

60000

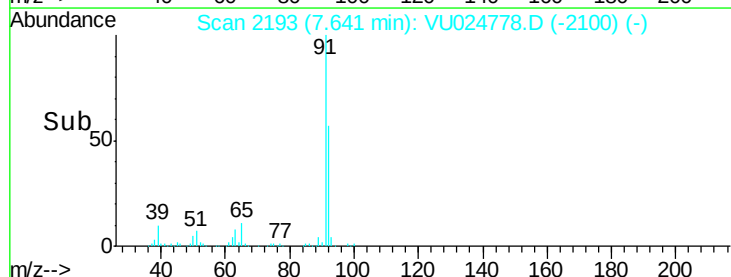
40000

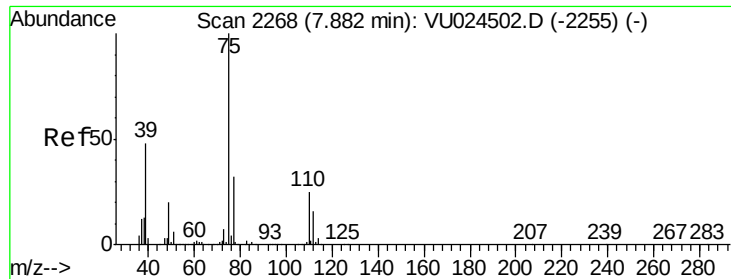
20000

0

7.55 7.60 7.65 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.63 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 75 Resp: 62459

Ion Ratio Lower Upper

75 100

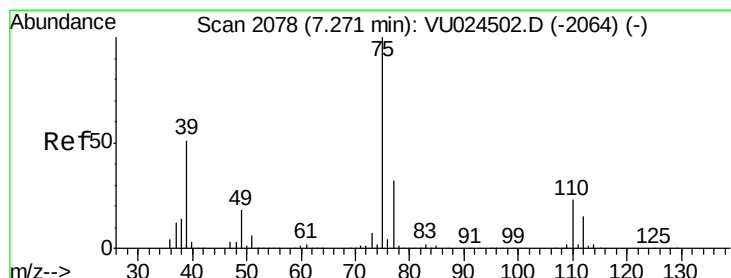
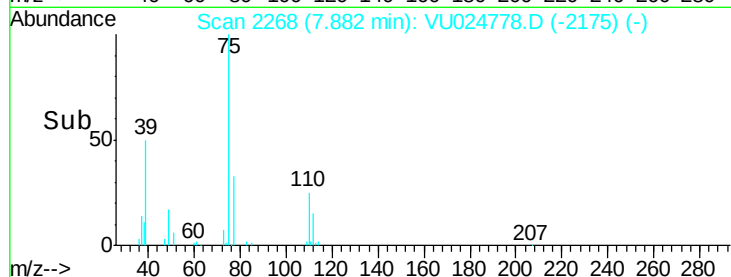
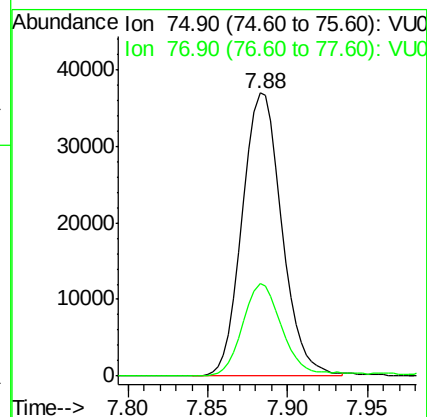
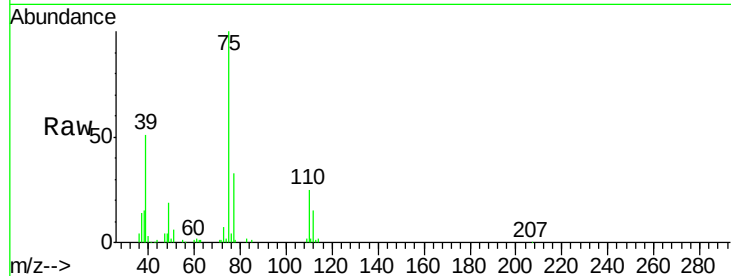
77 32.6 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 16.93 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

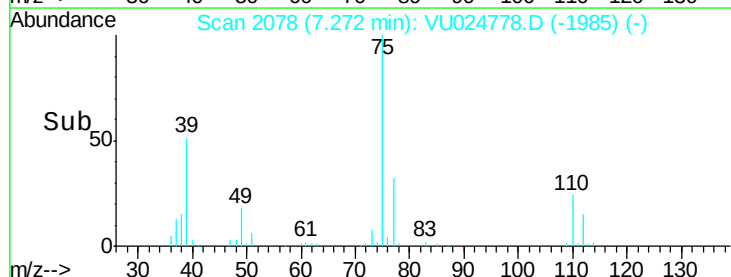
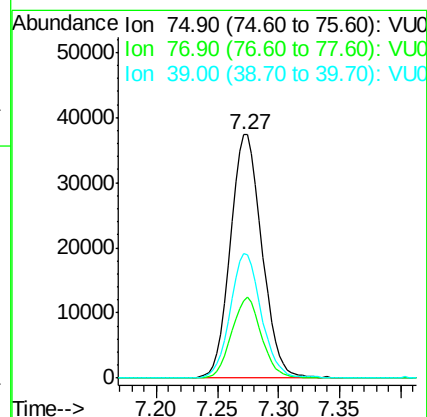
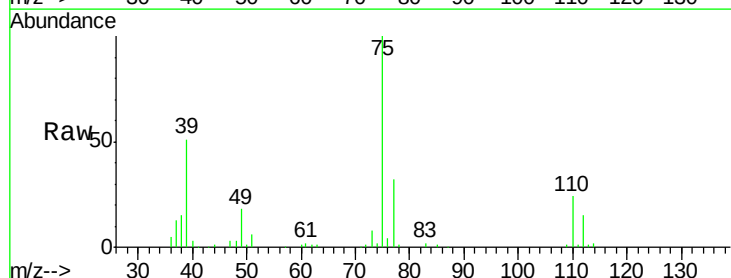
Tgt Ion: 75 Resp: 67750

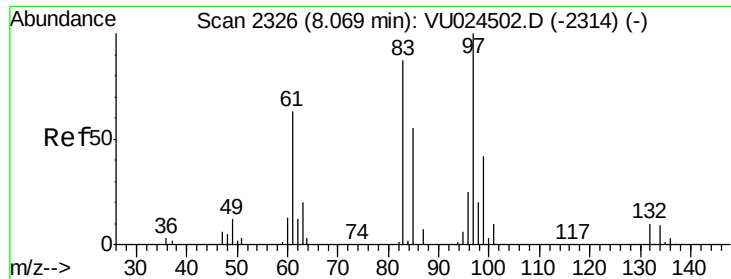
Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 51.0 39.8 59.6





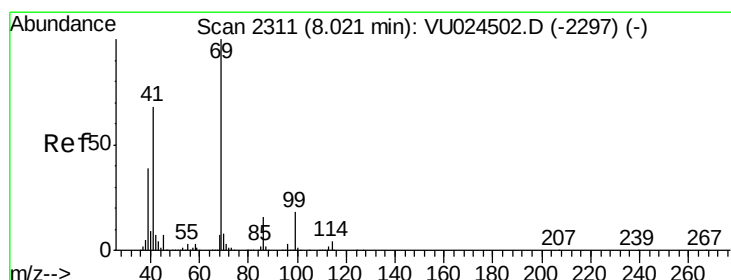
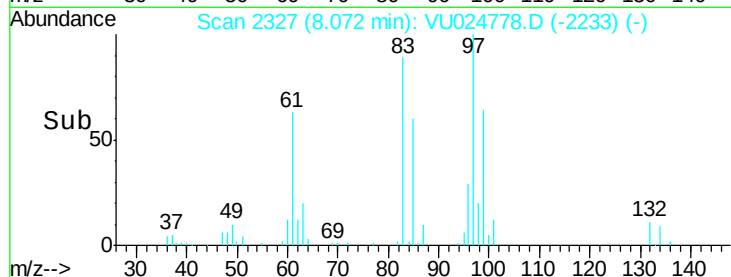
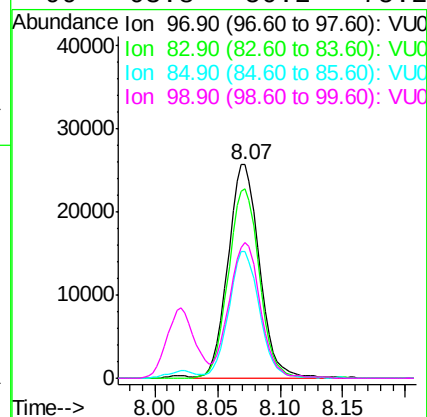
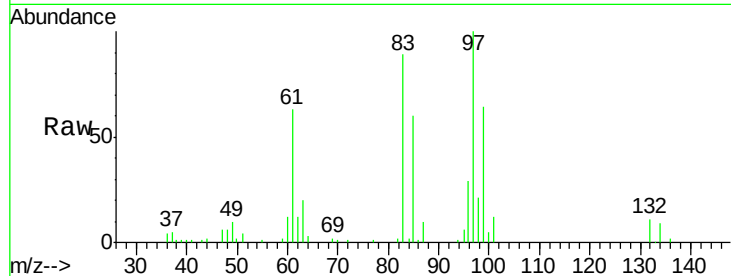
#55
1,1,2-Trichloroethane
Concen: 19.20 ug/l
RT: 8.07 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		44984		
83	88.9	70.5	105.7		
85	59.1	46.4	69.6		
99	63.8	50.2	75.2		

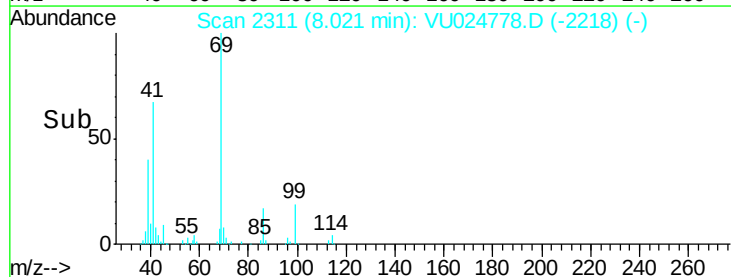
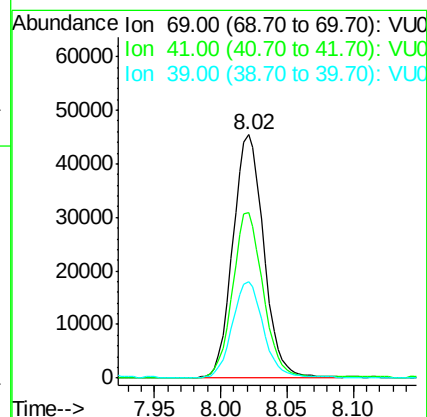
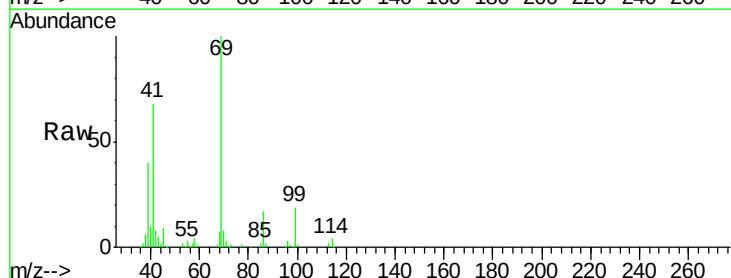
Manual Integrations
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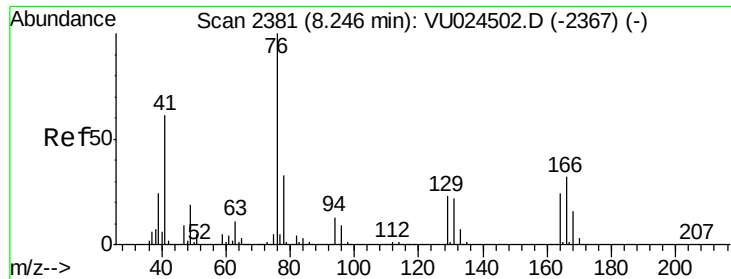
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#56
Ethyl methacrylate
Concen: 18.83 ug/l
RT: 8.02 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73850		
41	66.1	54.1	81.1		
39	40.2	30.3	45.5		





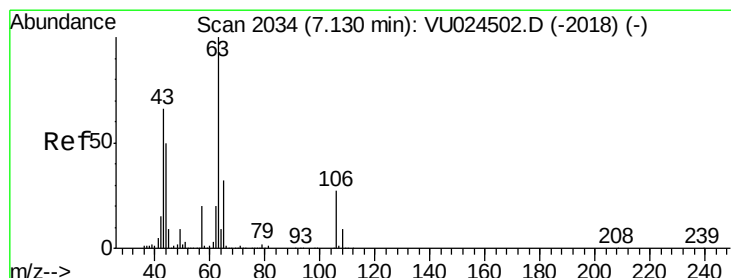
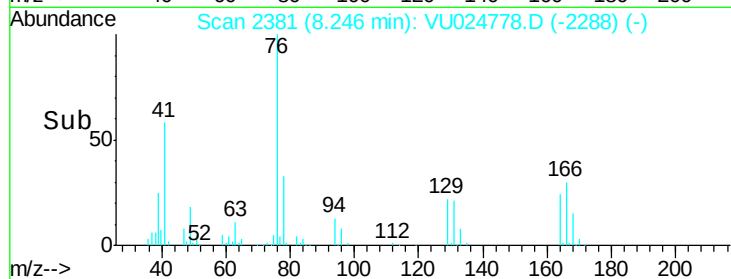
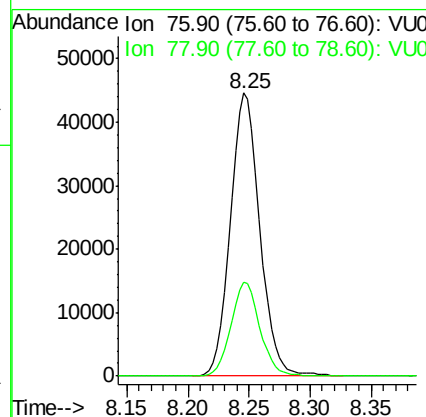
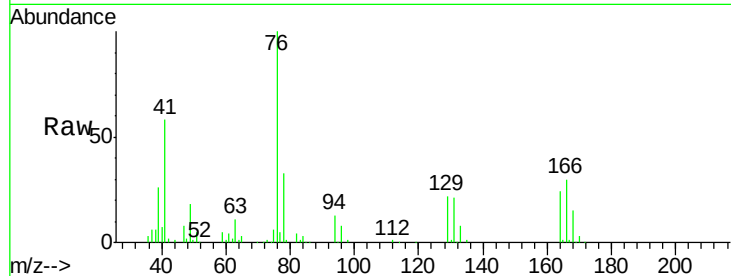
#57
 1,3-Dichloropropane
 Concen: 19.08 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion: 76 Resp: 75430
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

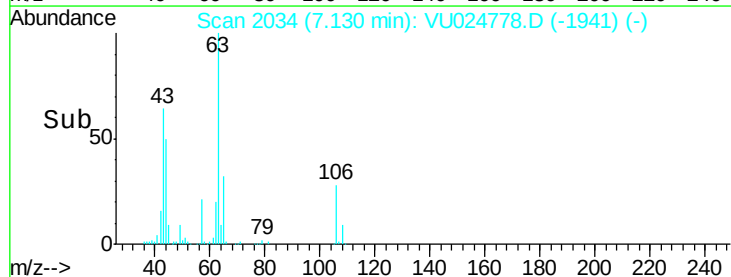
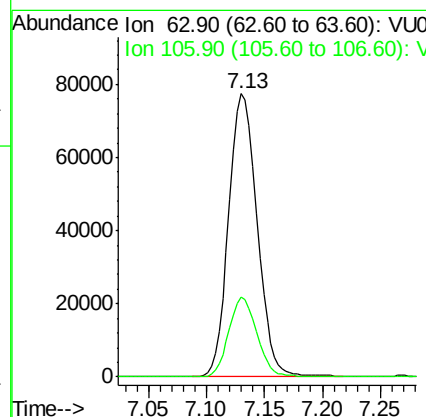
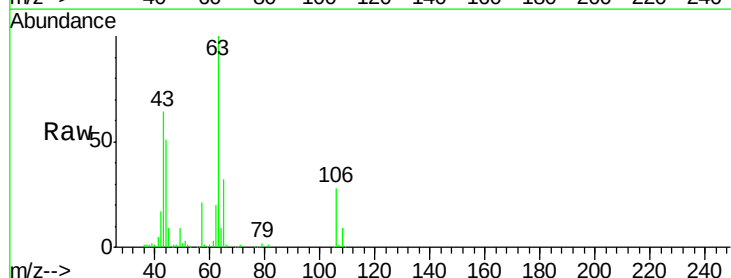
Manual Integrations
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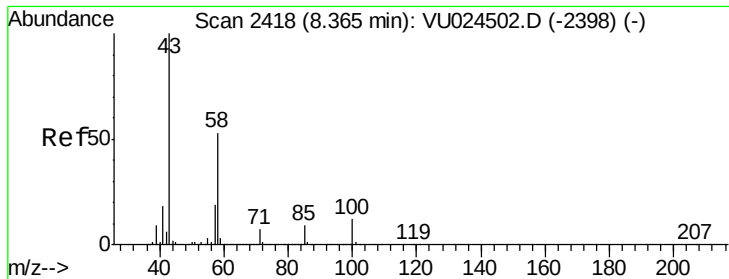
apatel
 6/21/2018 1:45:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.10 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion: 63 Resp: 132360
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.2 30.2





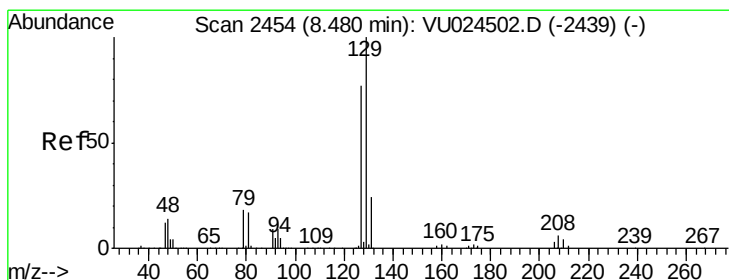
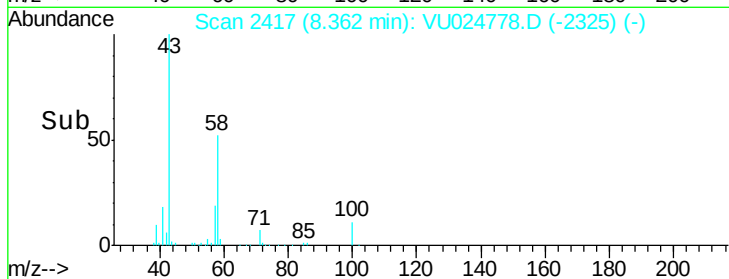
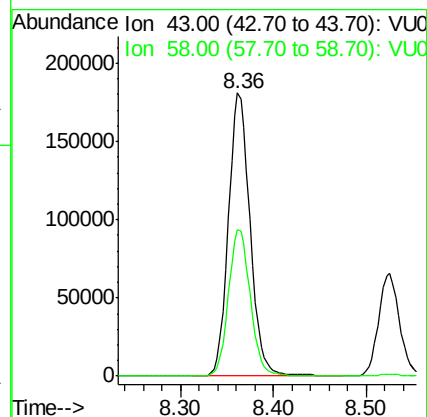
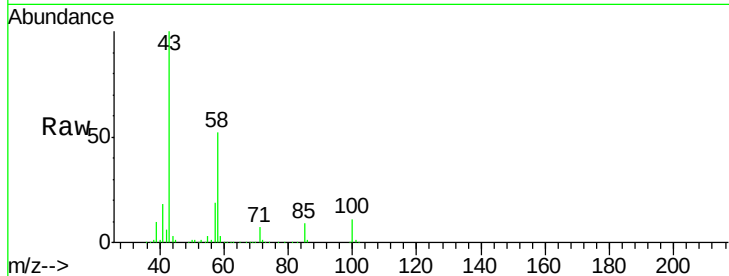
#59
2-Hexanone
Concen: 96.45 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	26.4	79.0

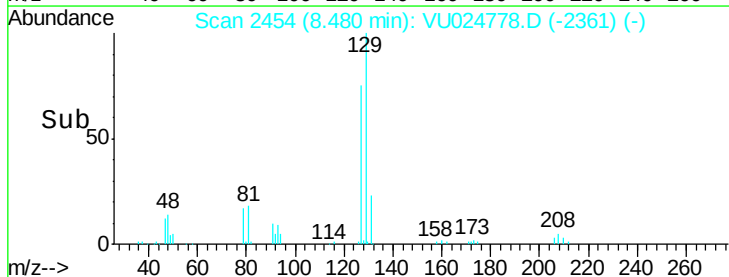
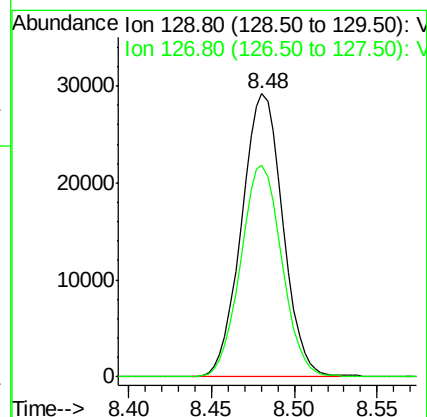
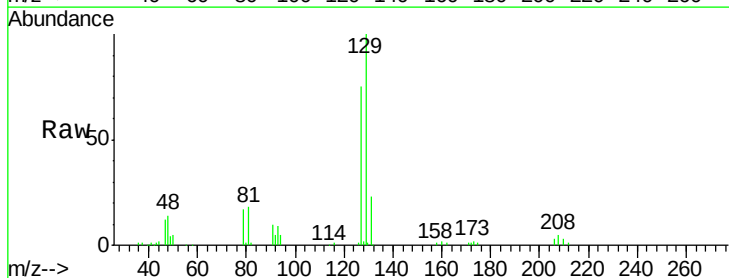
Manual Integrations
APPROVED

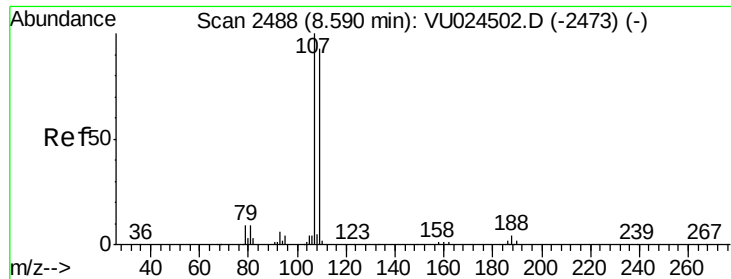
apatel
6/21/2018 1:45:02 PM



#60
Dibromochloromethane
Concen: 17.28 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.7	38.6	116.0





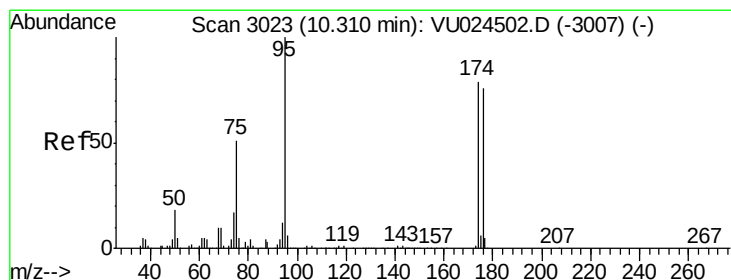
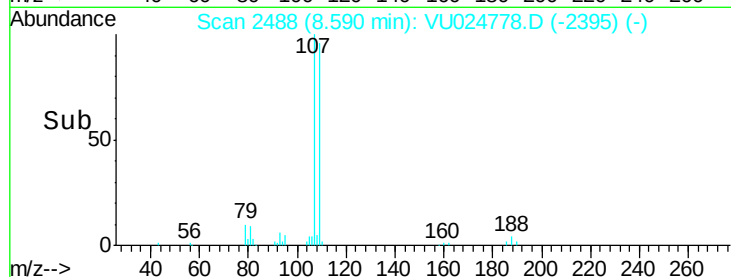
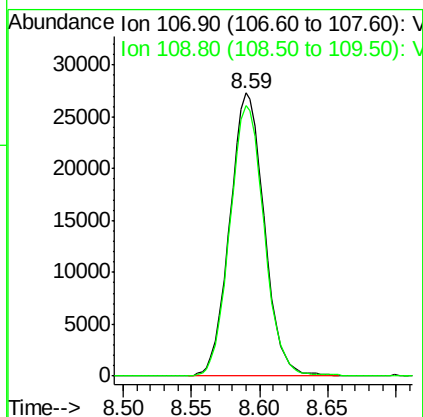
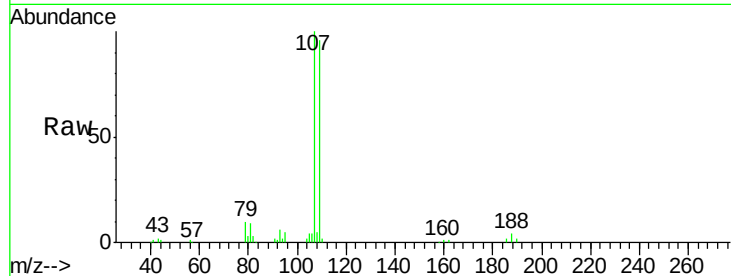
#61
 1,2-Dibromoethane
 Concen: 18.34 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion:107 Resp: 47823
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.5 111.7

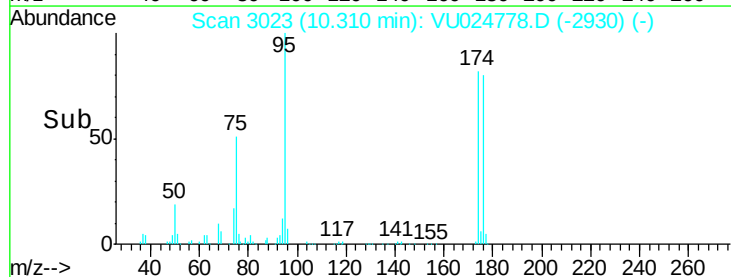
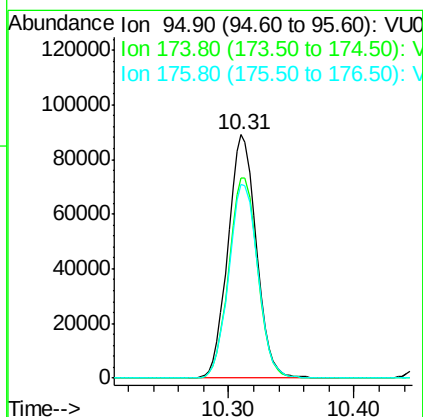
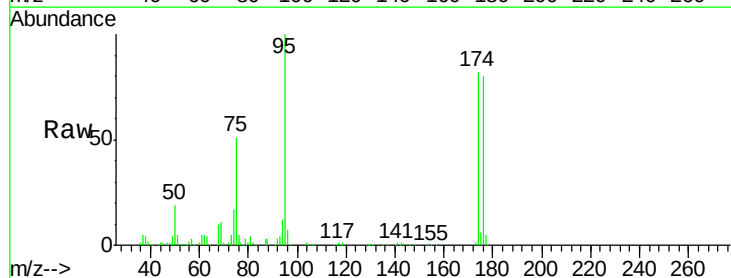
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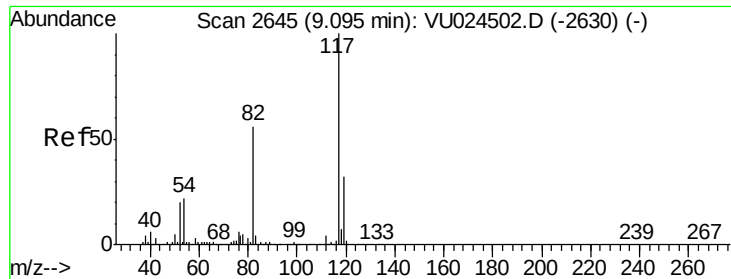
apatel
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#62
 4-Bromofluorobenzene
 Concen: 43.42 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion: 95 Resp: 139654
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 165.8
 176 81.6 0.0 159.4





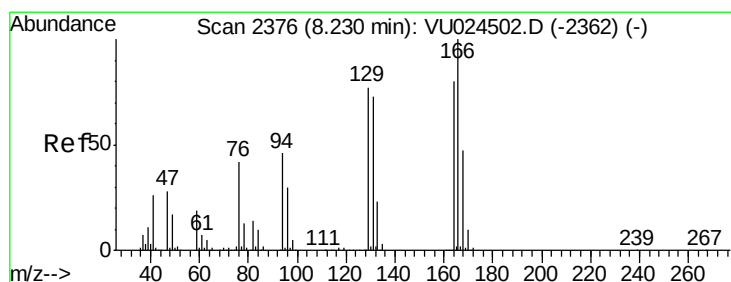
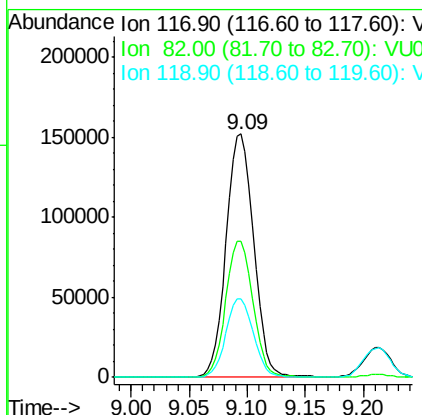
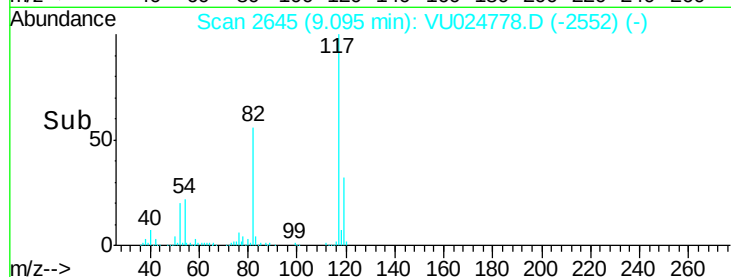
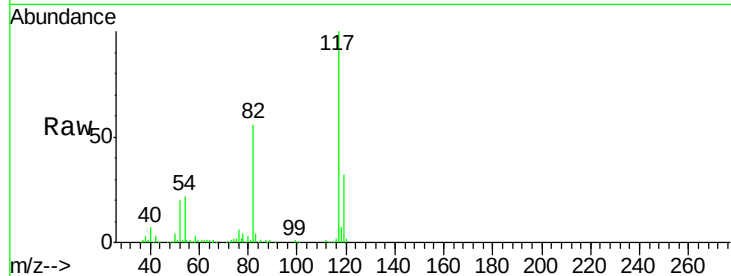
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252213		
82	55.7	44.3	66.5	
119	32.1	25.4	38.2	

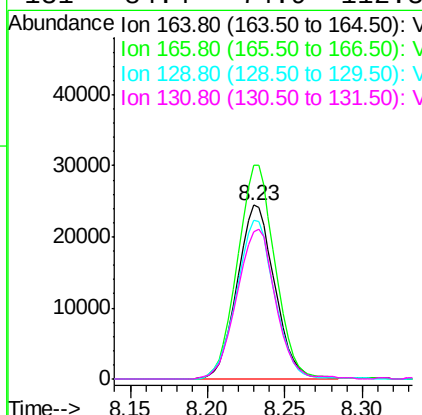
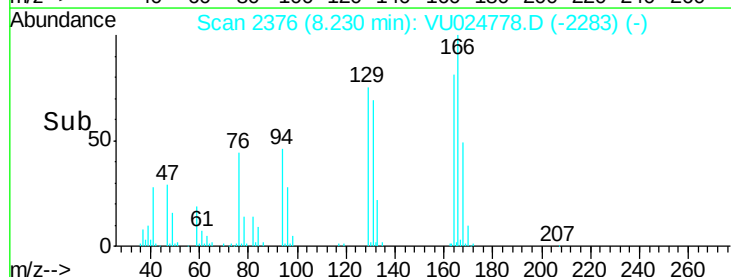
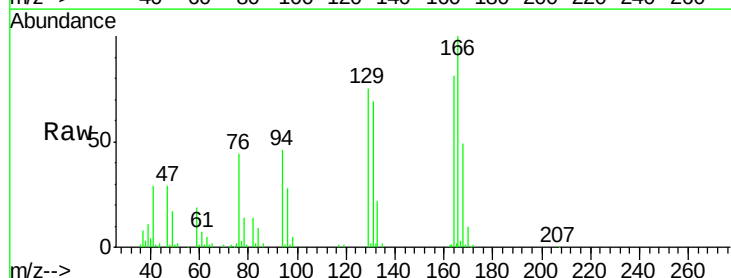
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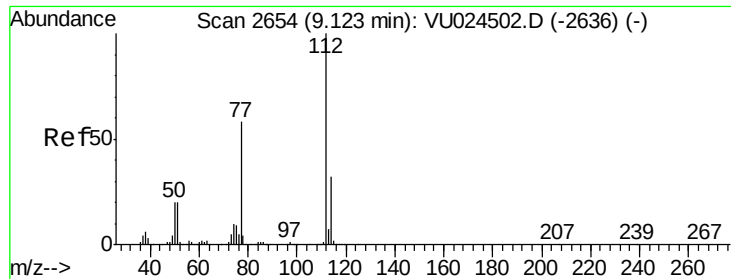
apatel
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#64
Tetrachloroethene
Concen: 17.27 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41398		
166	122.7	101.7	152.5	
129	91.5	76.9	115.3	
131	84.4	74.9	112.3	





#65

Chlorobenzene

Concen: 18.36 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion:112 Resp: 118309

Ion Ratio Lower Upper

112 100

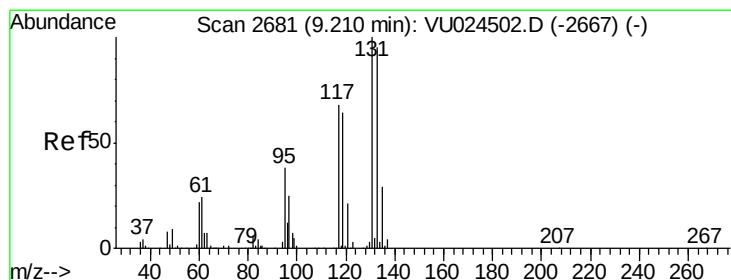
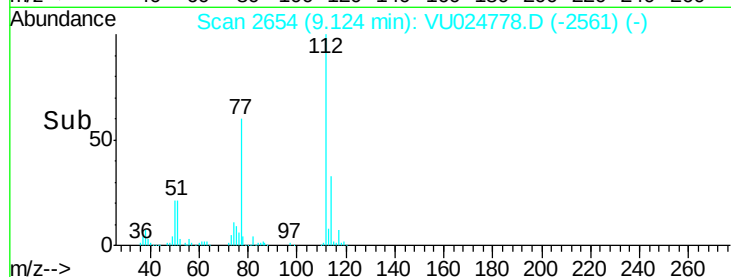
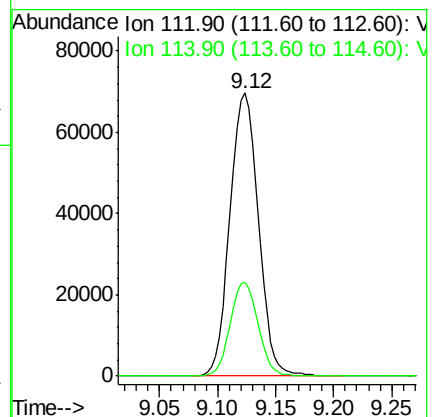
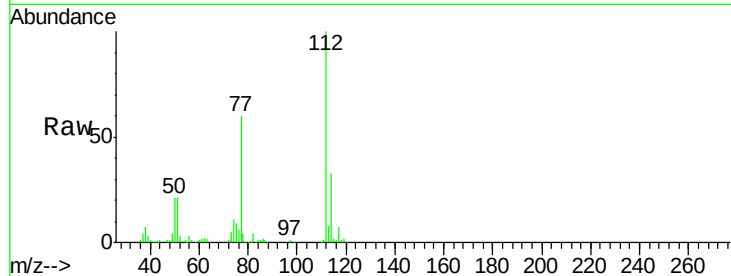
114 33.2 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

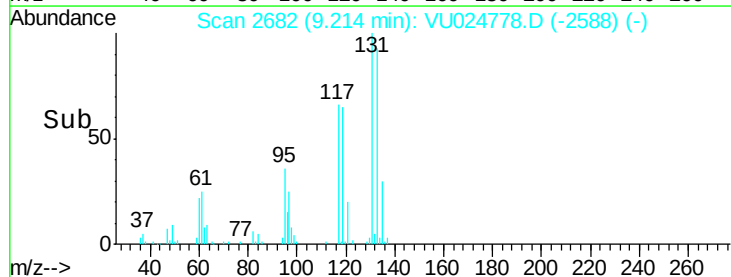
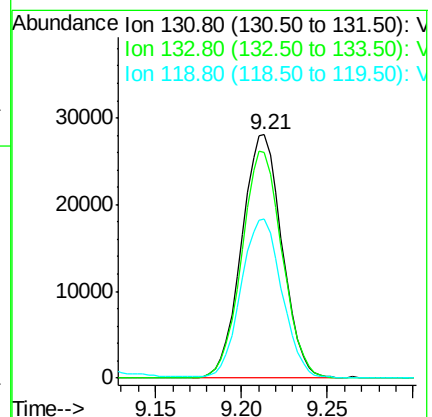
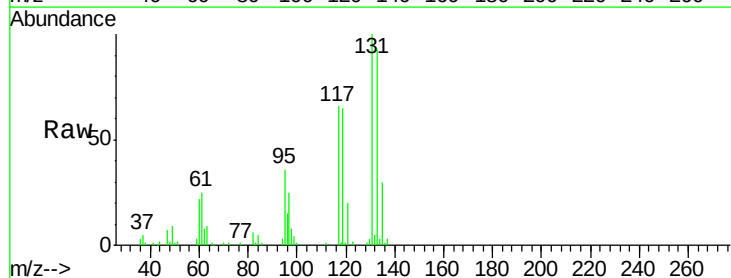
Tgt Ion:131 Resp: 46038

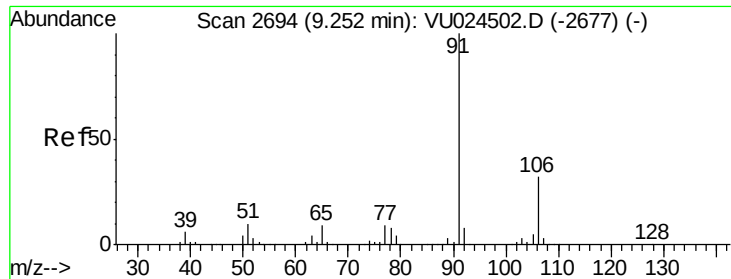
Ion Ratio Lower Upper

131 100

133 93.0 46.9 140.8

119 66.1 33.5 100.4





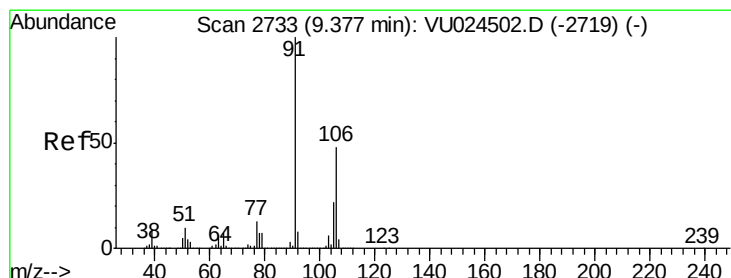
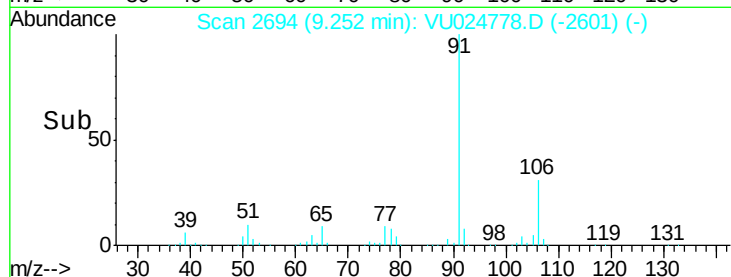
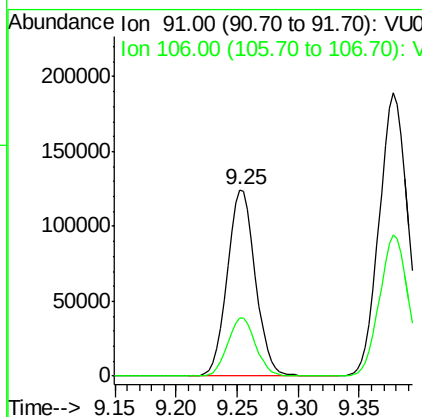
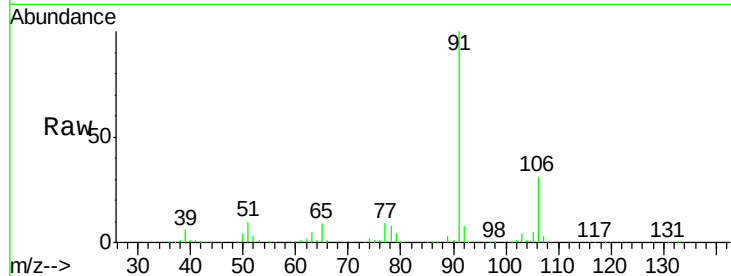
#67
Ethyl Benzene
Concen: 17.80 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion: 91 Resp: 201012
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4

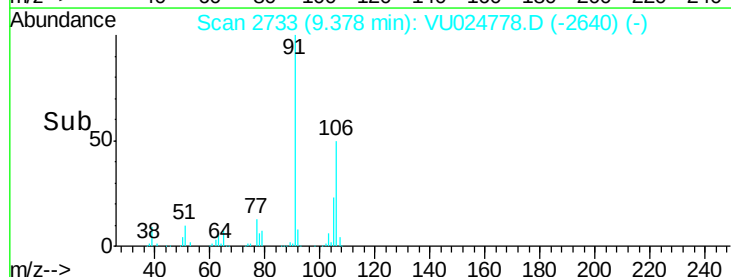
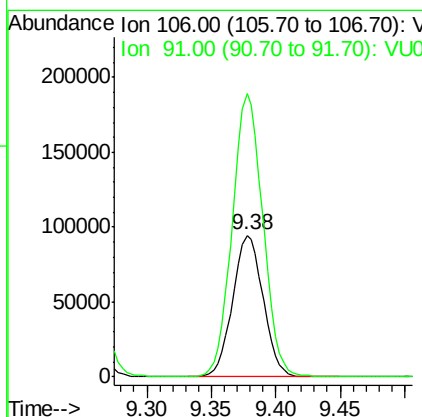
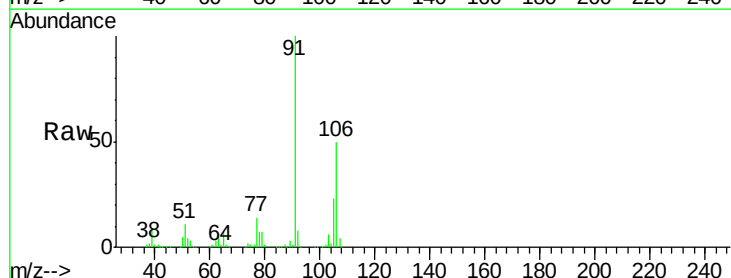
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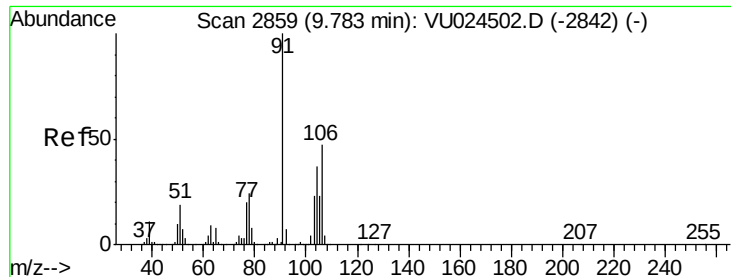
apatel
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#68
m/p-Xylenes
Concen: 35.81 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion: 106 Resp: 155305
Ion Ratio Lower Upper
106 100
91 200.8 166.5 249.7





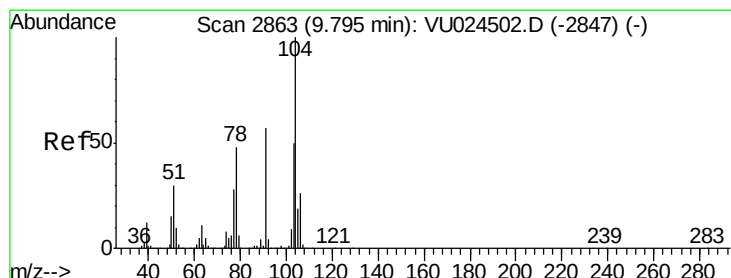
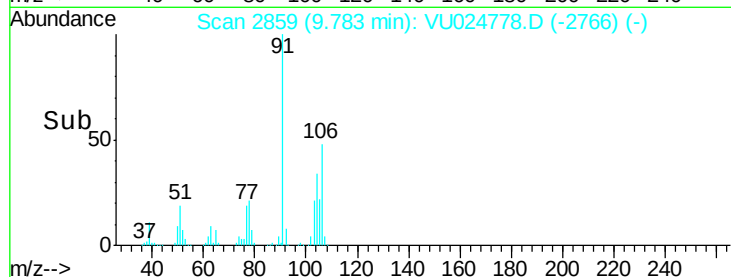
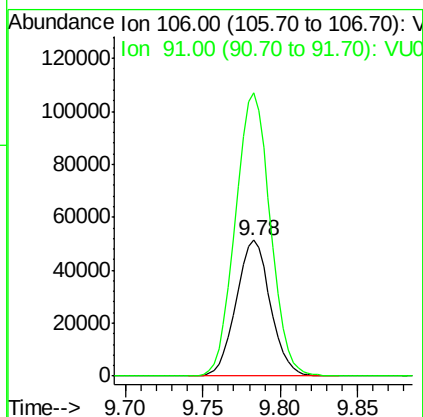
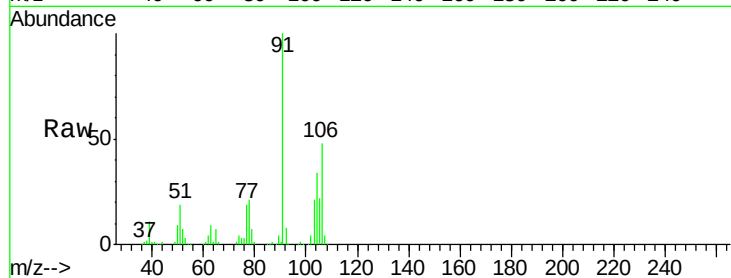
#69
o-Xylene
Concen: 18.40 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion:106 Resp: 78982
Ion Ratio Lower Upper
106 100
91 212.4 110.7 331.9

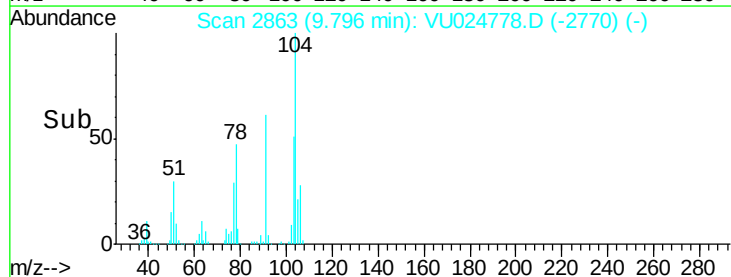
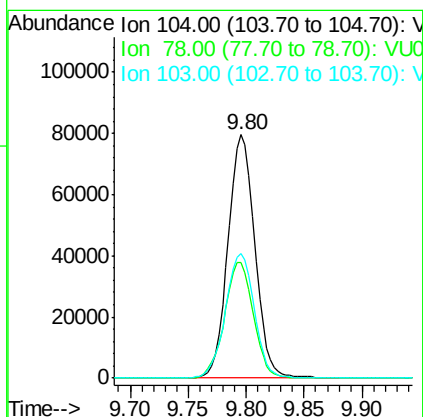
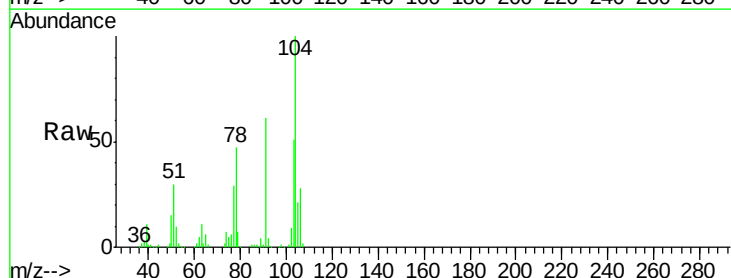
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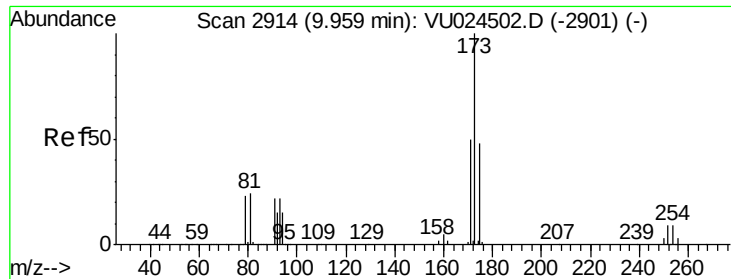
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#70
Styrene
Concen: 18.10 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion:104 Resp: 127672
Ion Ratio Lower Upper
104 100
78 51.2 40.6 60.8
103 55.1 44.7 67.1





#71

Bromoform

Concen: 17.19 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

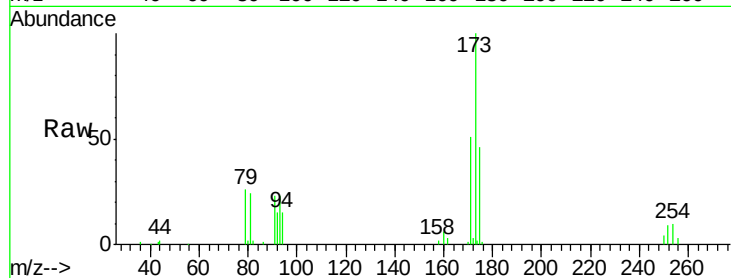
ClientSampleId :

VU0620WBSD02

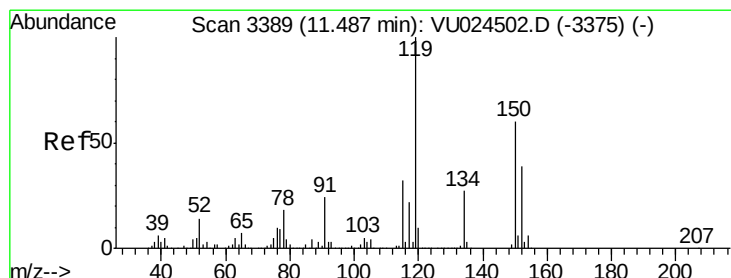
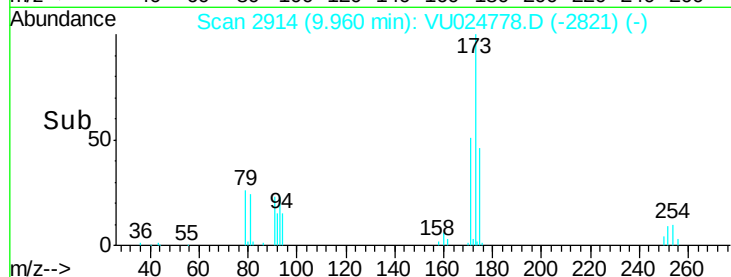
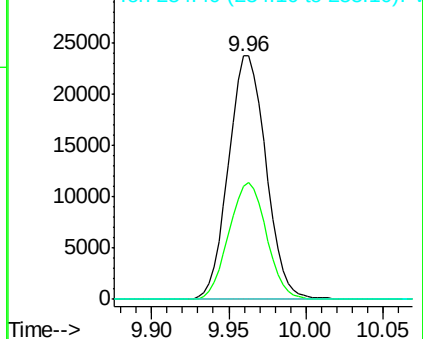
Tot Ion:	173	Resp:	39997
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.6	74.0
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

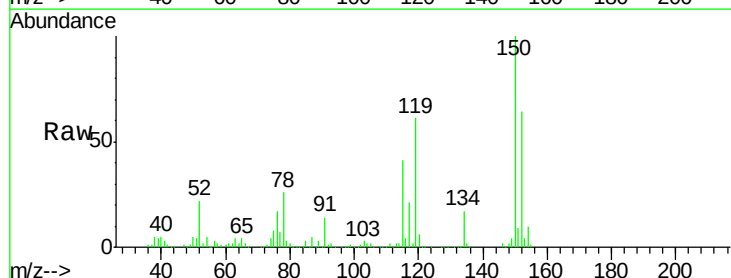
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

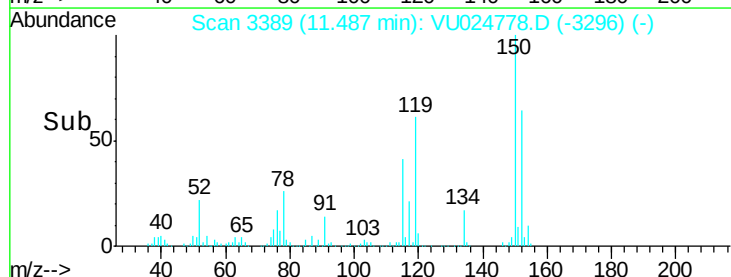
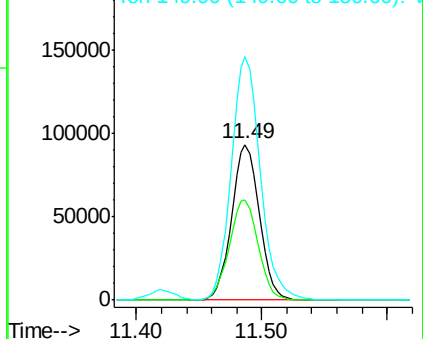
Lab File: VU024778.D

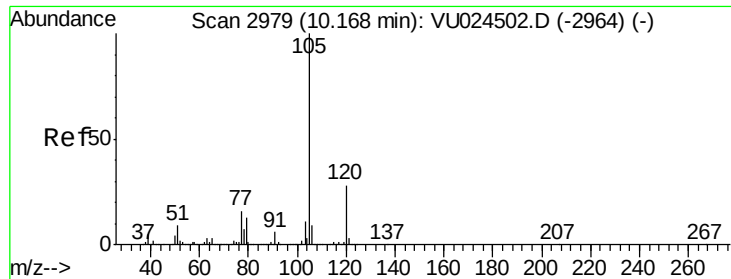
Acq: 21 Jun 2018 00:25

Tgt Ion:	152	Resp:	142978
Ion Ratio	Lower	Upper	
152	100		
115	67.1	43.0	129.0
150	163.8	0.0	354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





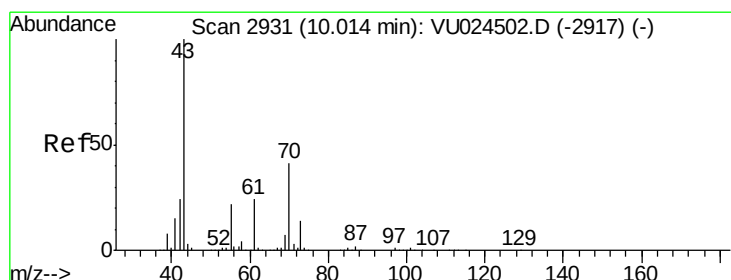
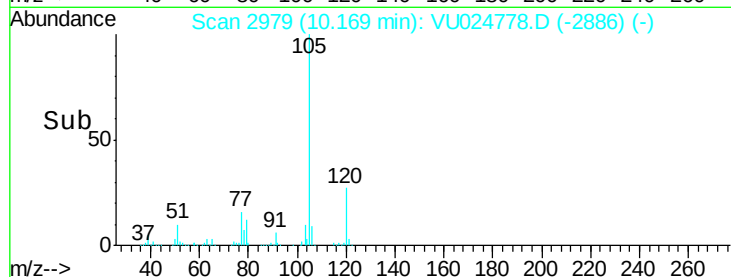
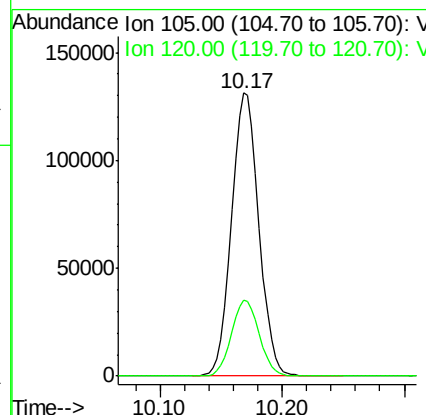
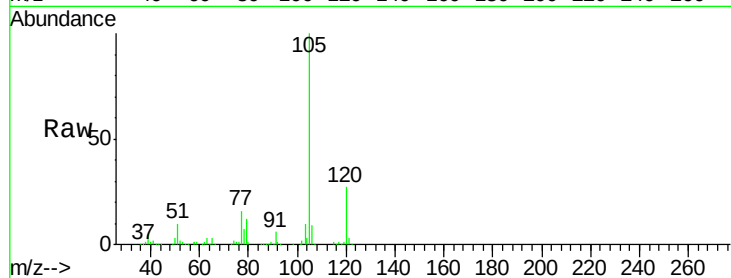
#73
Isopropylbenzene
Concen: 18.73 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.2	39.6

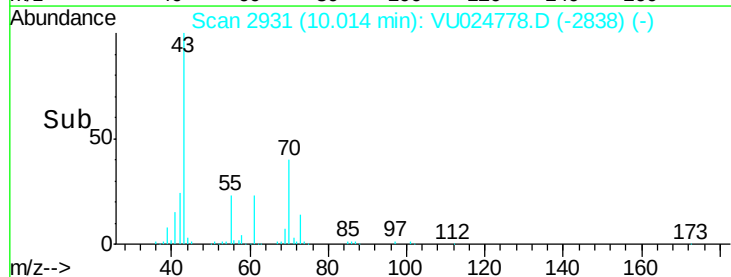
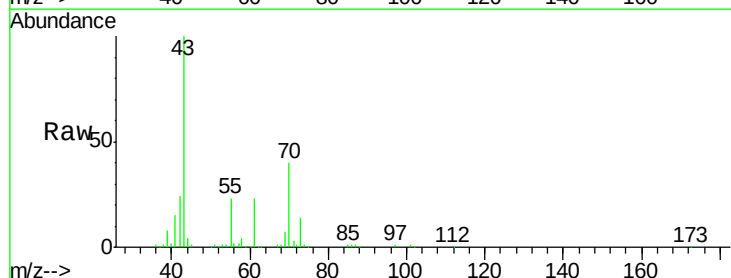
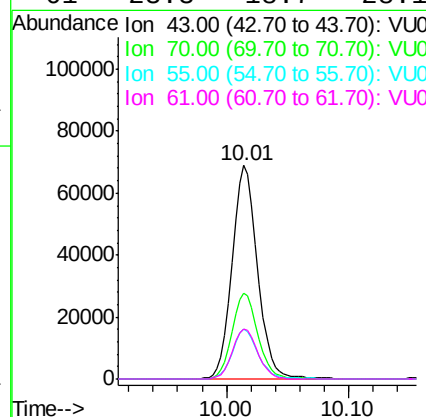
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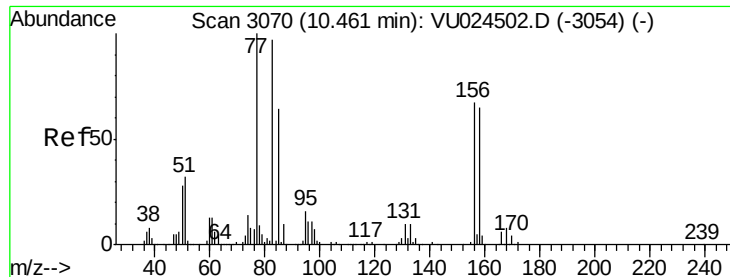
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#74
N-ethyl acetate
Concen: 19.31 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.7	32.2	48.4
55	23.5	20.5	30.7
61	23.3	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.80 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion: 83 Resp: 76530

Ion Ratio Lower Upper

83 100

131 10.0 4.7 14.1

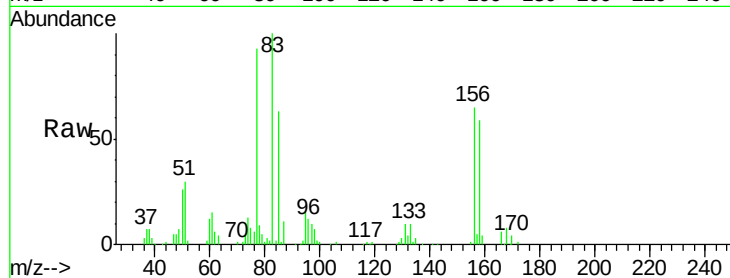
85 64.2 32.5 97.5

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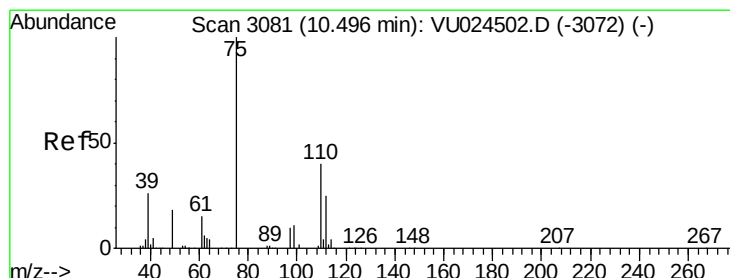
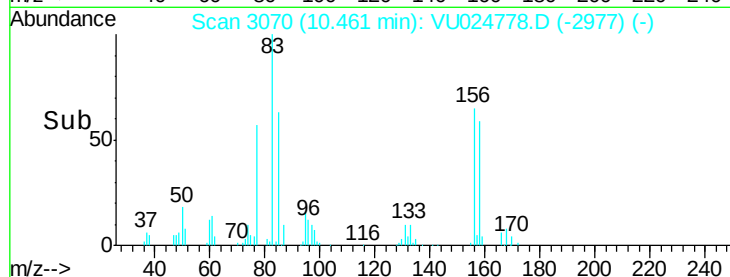
Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.35 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024778.D

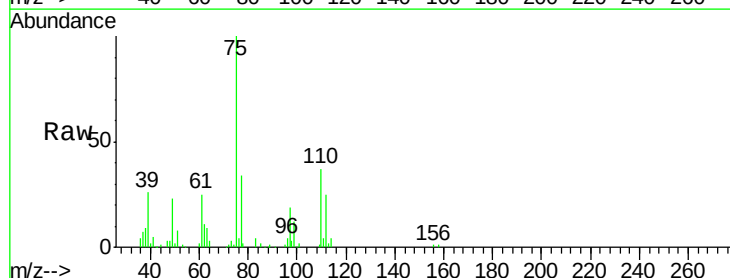
Acq: 21 Jun 2018 00:25

Tgt Ion: 75 Resp: 64055

Ion Ratio Lower Upper

75 100

77 40.4 20.9 62.7

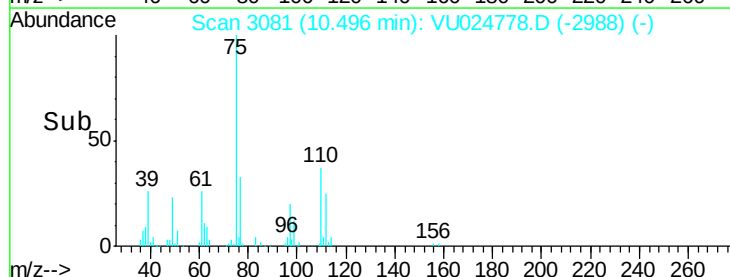


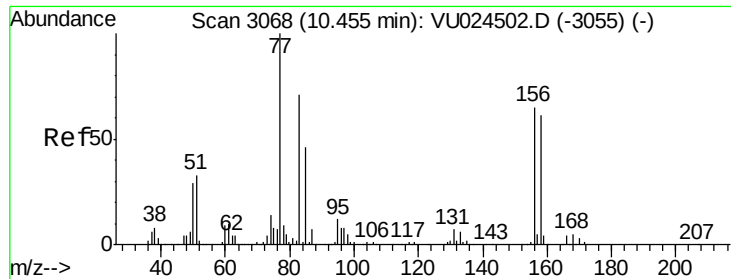
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

Time-->





#77

Bromobenzene

Concen: 19.79 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

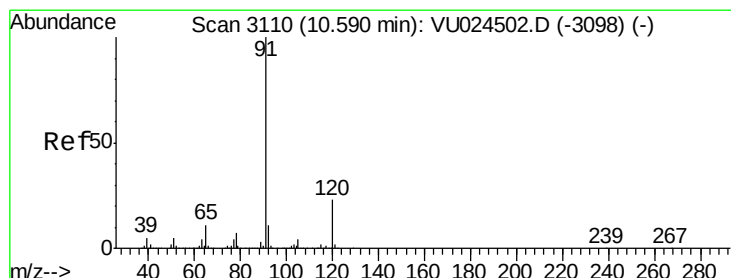
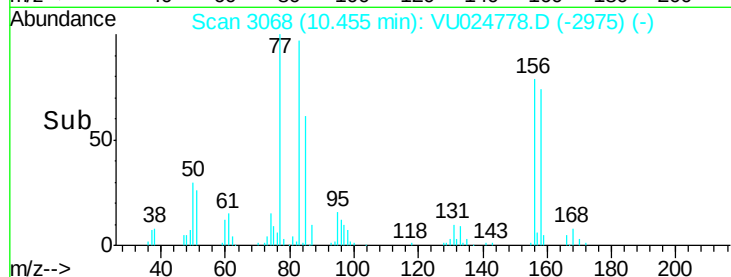
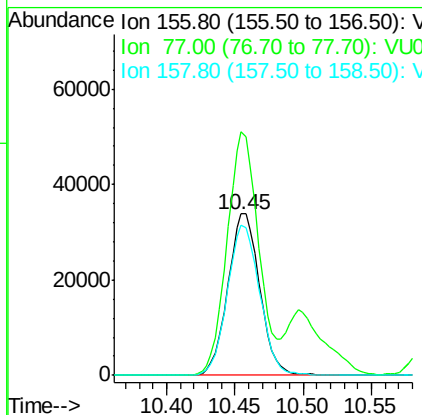
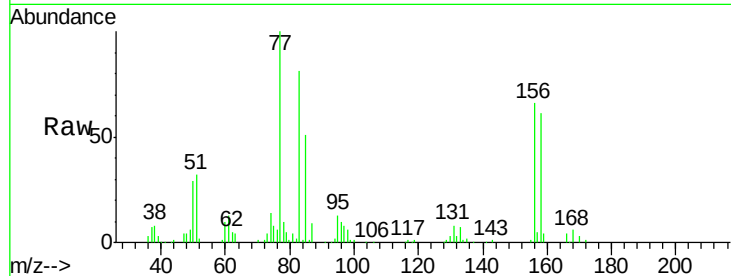
ClientSampleId :

VU0620WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	148.9	80.5	241.3	
158	94.3	48.2	144.6	

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#78

n-propylbenzene

Concen: 17.62 ug/l

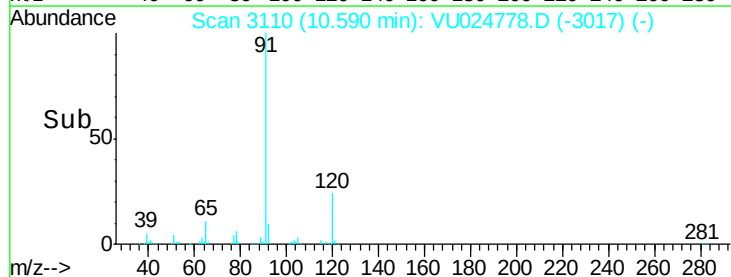
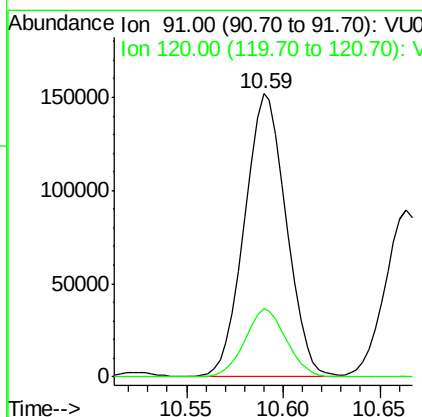
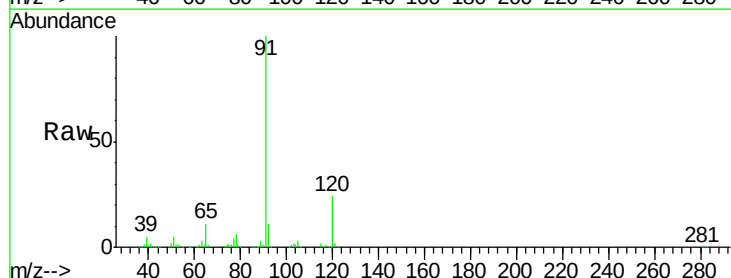
RT: 10.59 min Scan# 3110

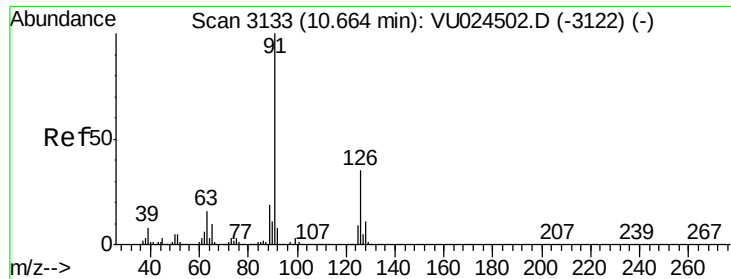
Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.2	33.5	





#79

2-Chlorotoluene

Concen: 18.25 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampled :

VU0620WBSD02

Tot Ion: 91 Resp: 139173

Ion Ratio Lower Upper

91 100

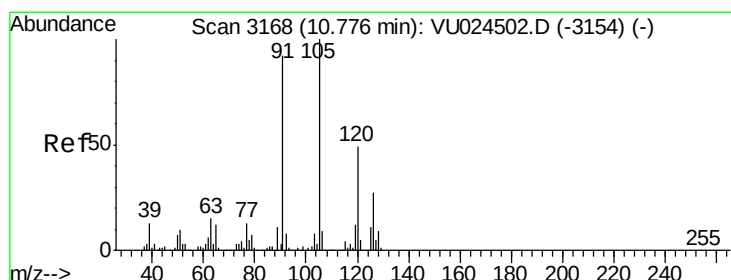
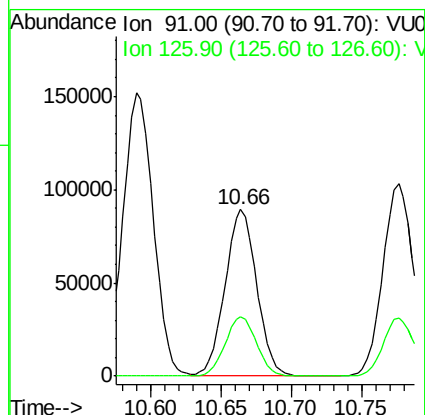
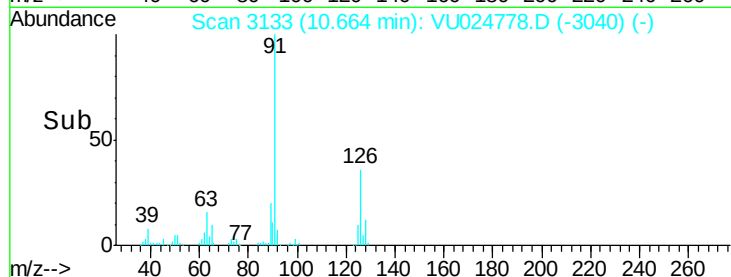
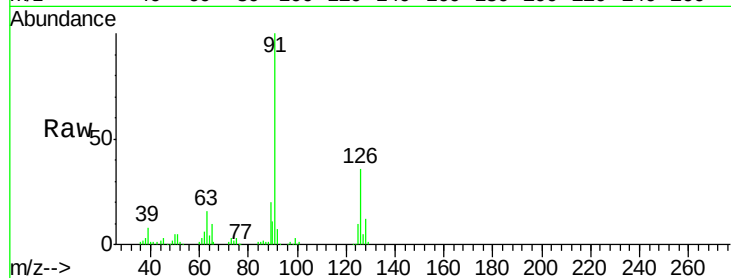
126 35.5 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.42 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024778.D

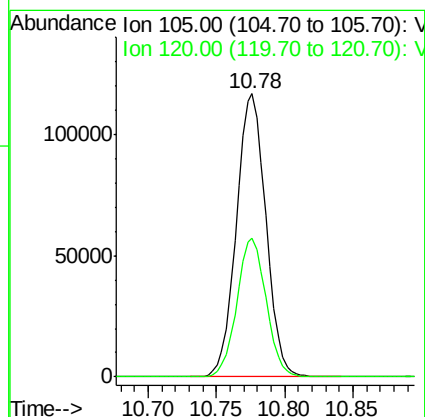
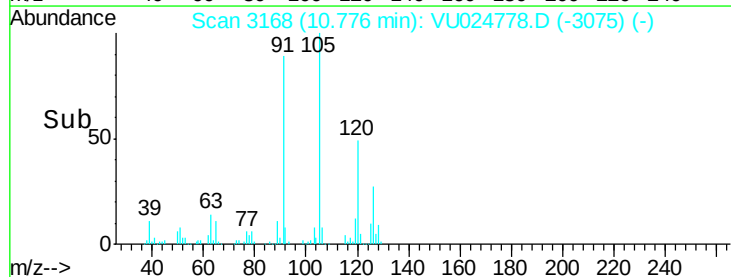
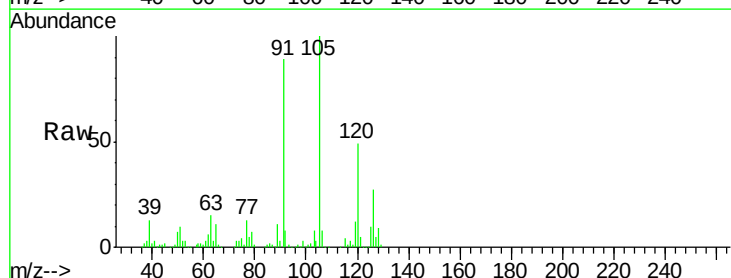
Acq: 21 Jun 2018 00:25

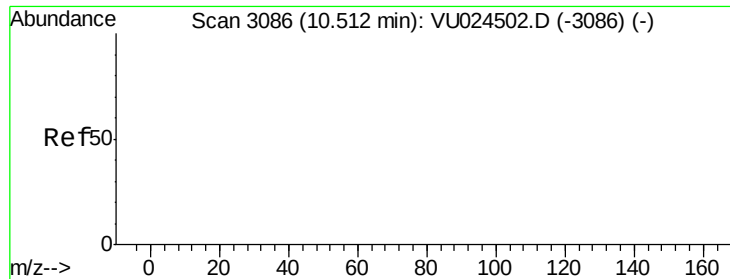
Tgt Ion: 105 Resp: 175262

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





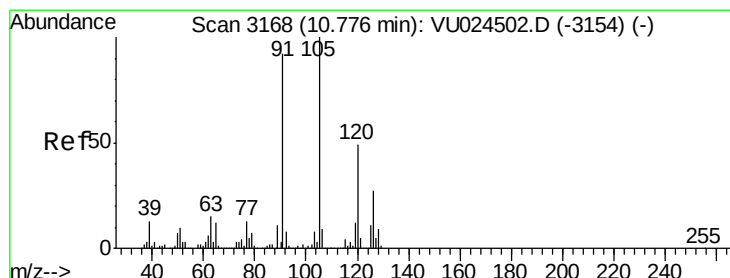
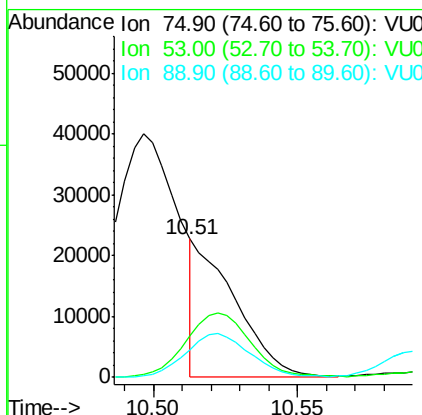
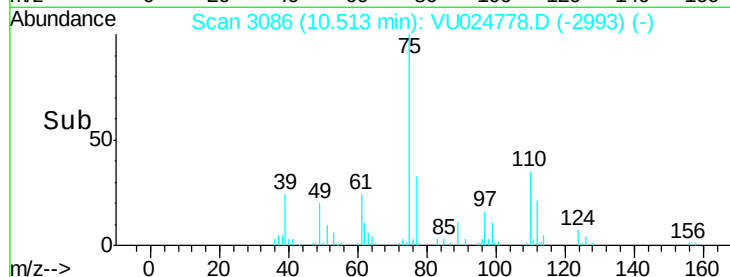
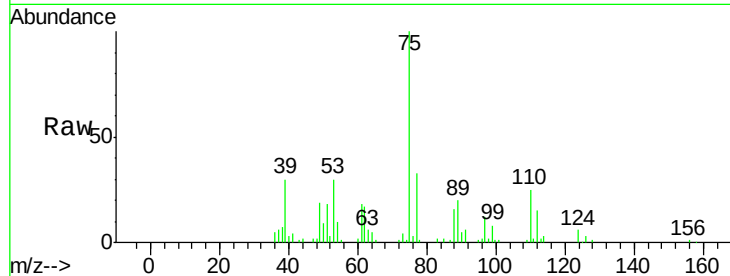
#81
trans-1,4-Dichloro-2-butene
Concen: 16.45 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

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

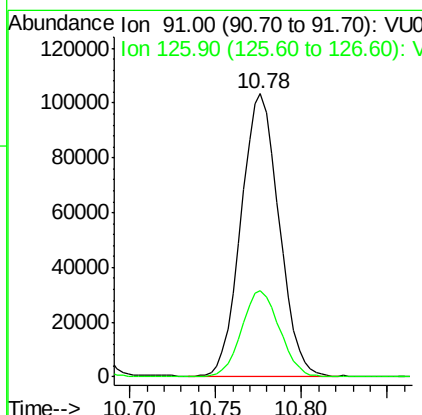
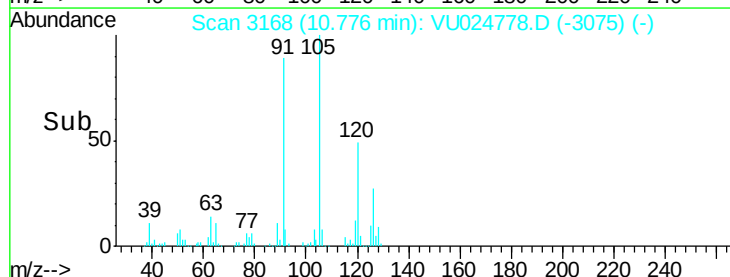
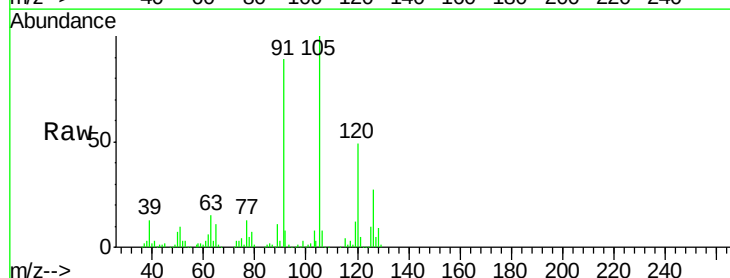
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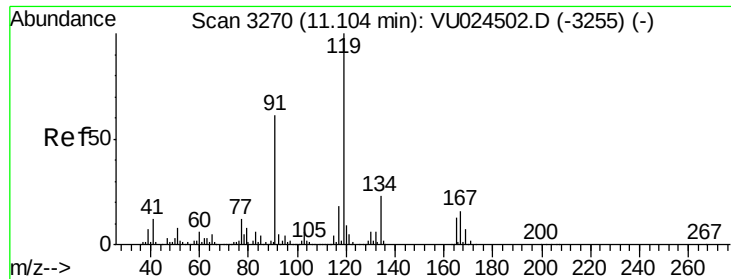
apatel
6/21/2018 1:45:02 PM



#82
4-Chlorotoluene
Concen: 17.78 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	14.9	44.9





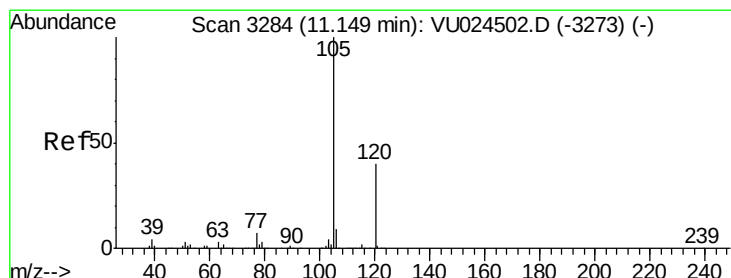
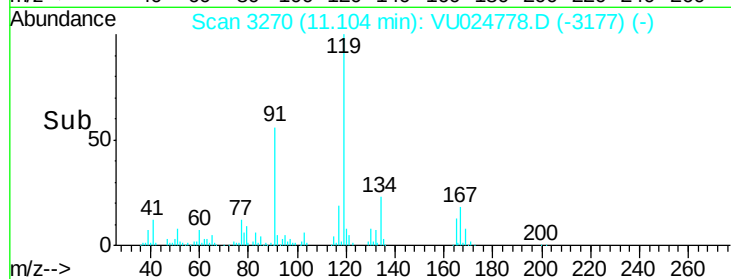
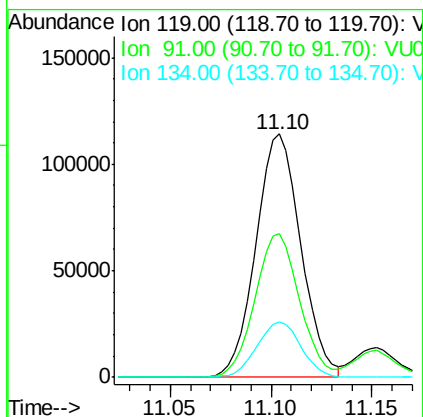
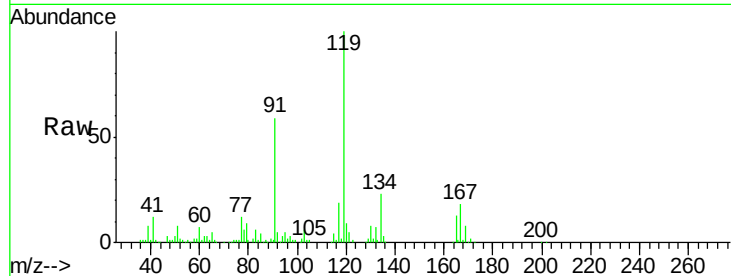
#83
 tert-Butylbenzene
 Concen: 19.37 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.7	89.1
134	22.4	11.6	34.7

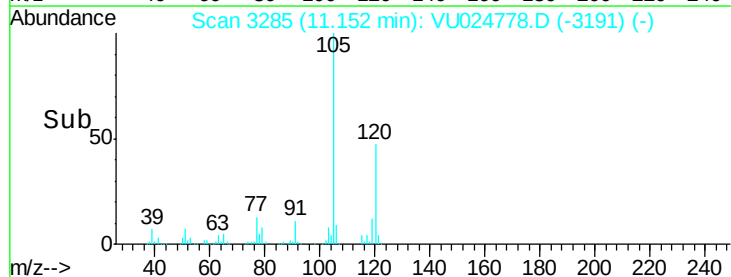
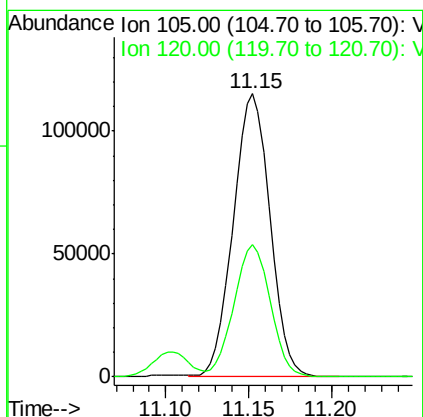
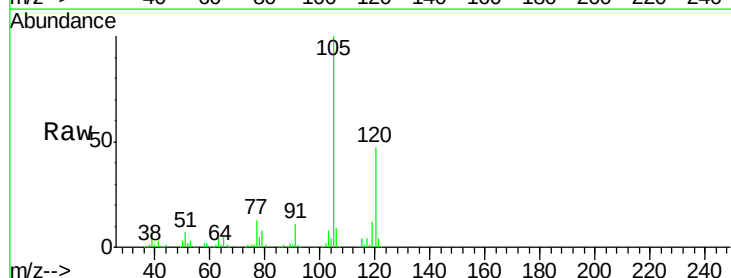
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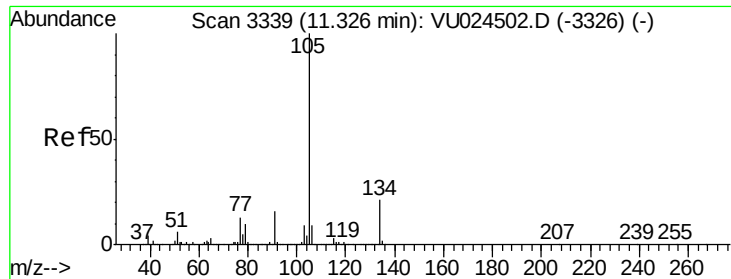
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.26 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 18.18 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD02

Tot Ion:105 Resp: 208227

Ion Ratio Lower Upper

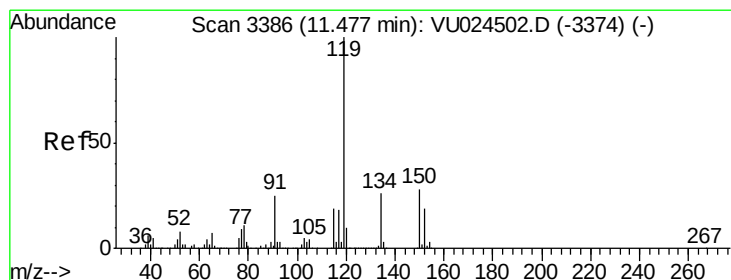
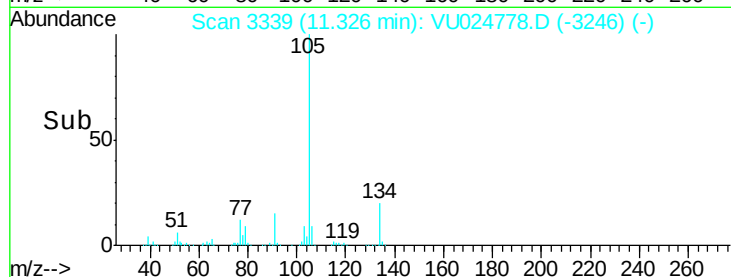
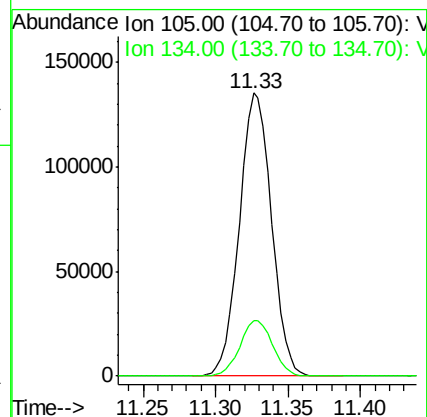
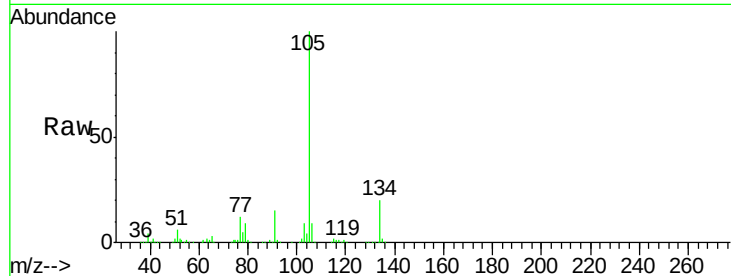
105 100

134 20.0 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 17.38 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

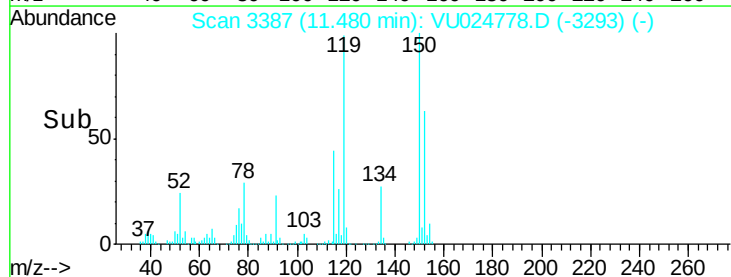
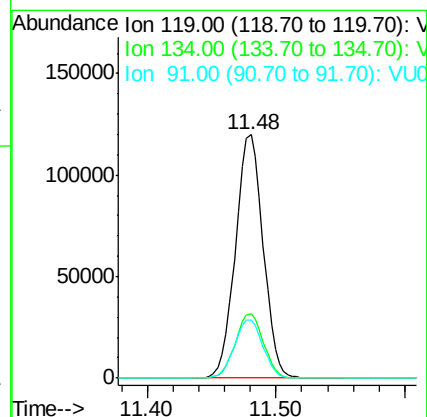
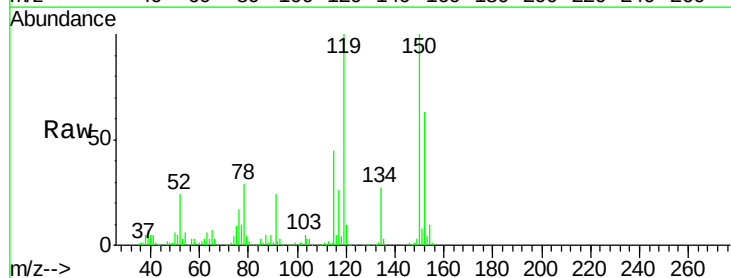
Tgt Ion:119 Resp: 178330

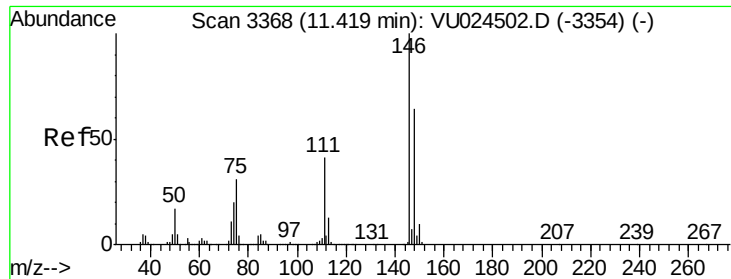
Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

91 24.5 12.0 36.1





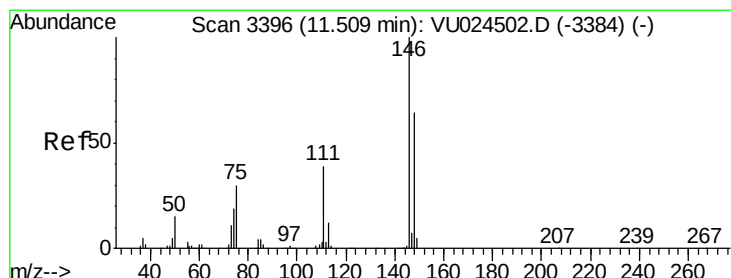
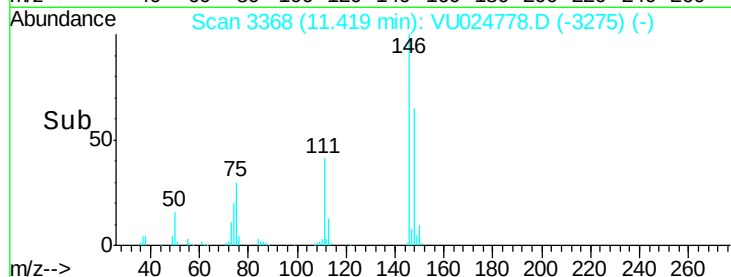
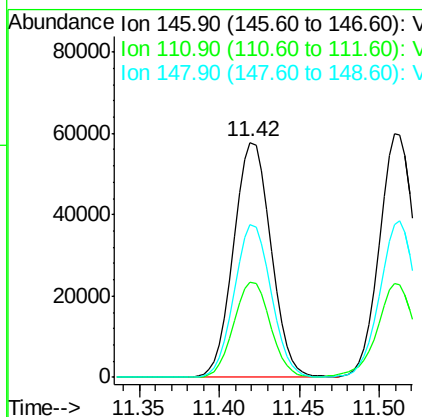
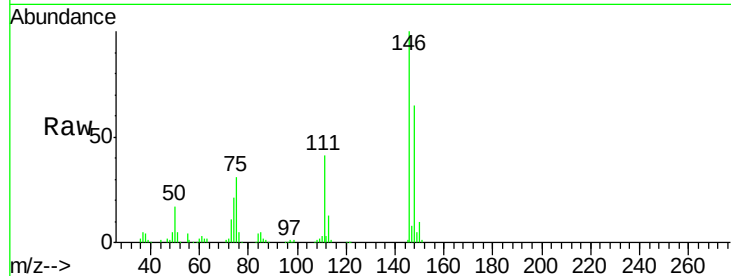
#87
 1,3-Dichlorobenzene
 Concen: 17.95 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.1	32.1	96.5

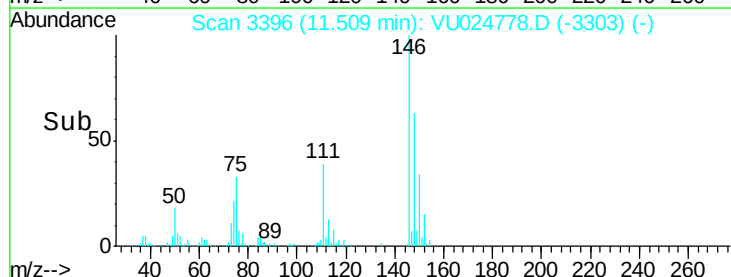
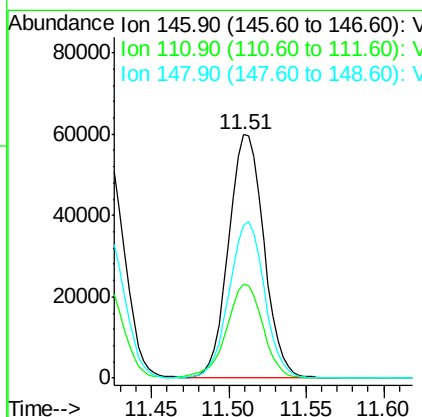
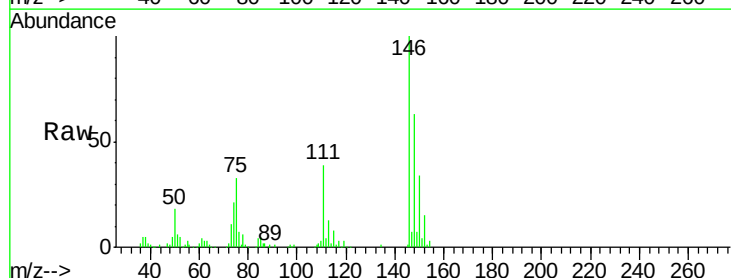
Manual Integrations
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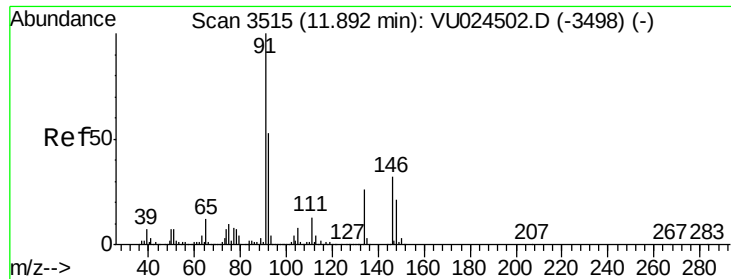
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 18.37 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.5	58.5
148	64.3	32.4	97.0





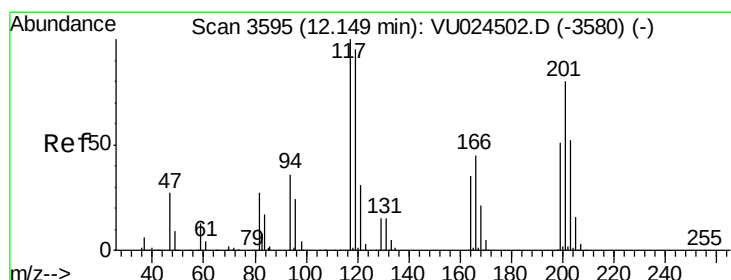
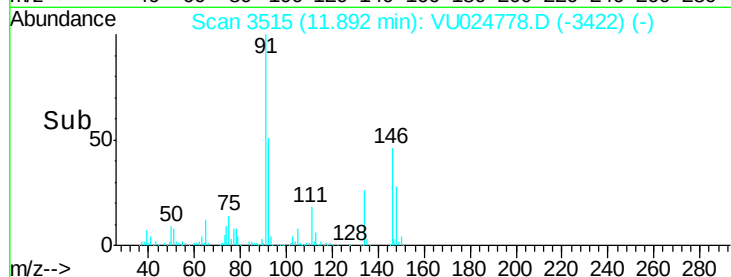
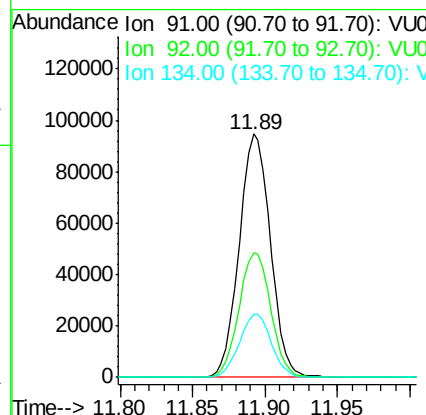
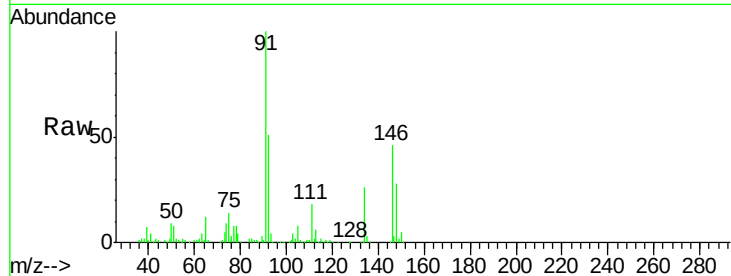
#89
n-Butylbenzene
Concen: 15.56 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.6	76.8
134	26.6	12.3	36.8

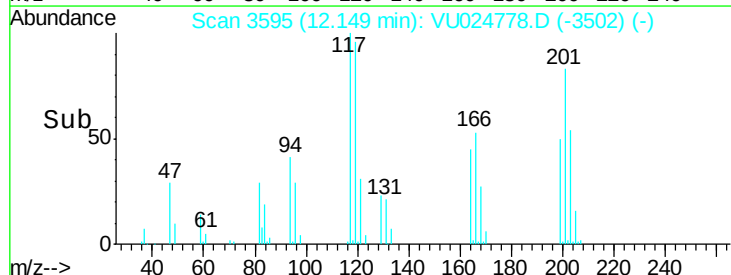
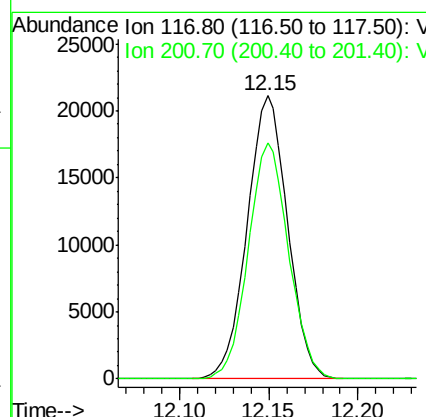
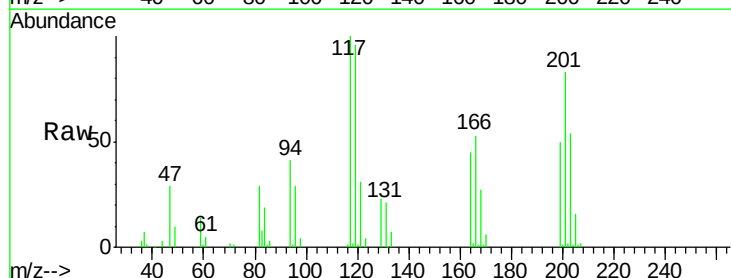
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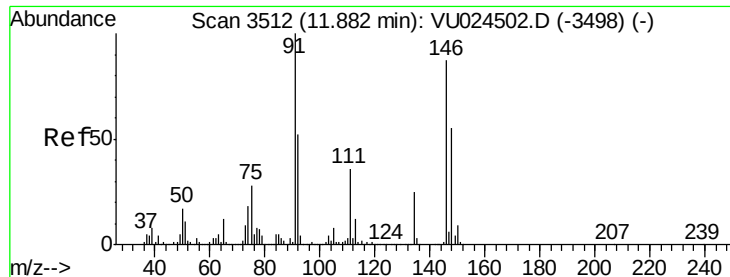
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#90
Hexachloroethane
Concen: 16.74 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024778.D
Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.1	123.3





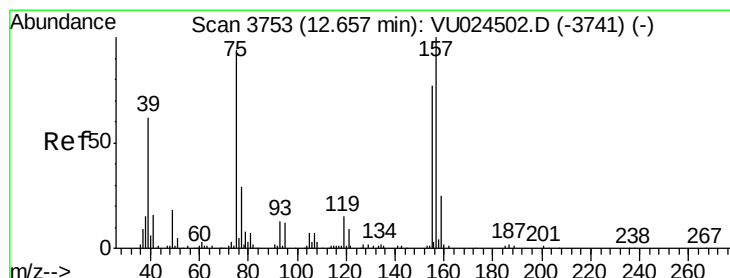
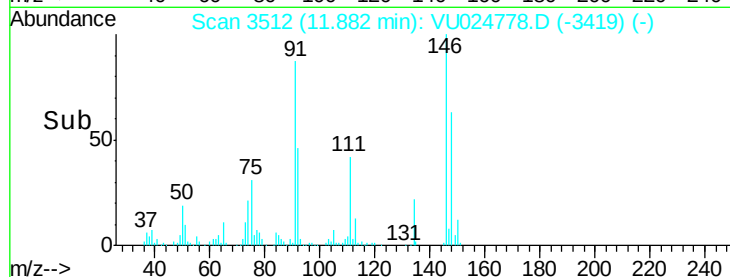
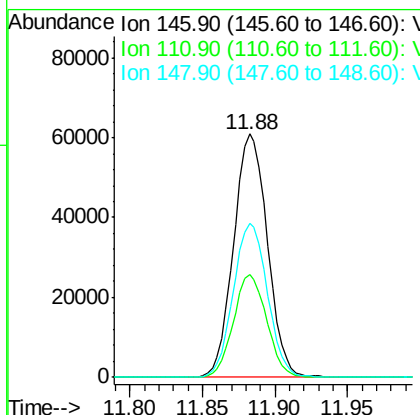
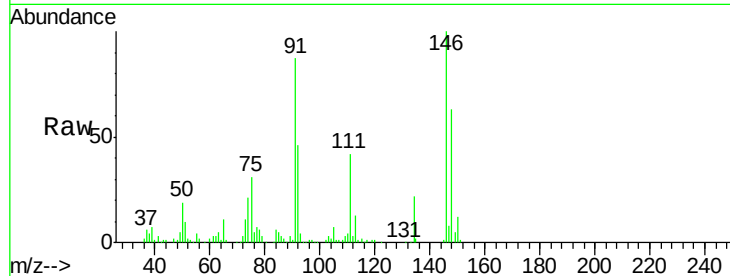
#91
 1,2-Dichlorobenzene
 Concen: 19.17 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	64.0	31.9	95.7

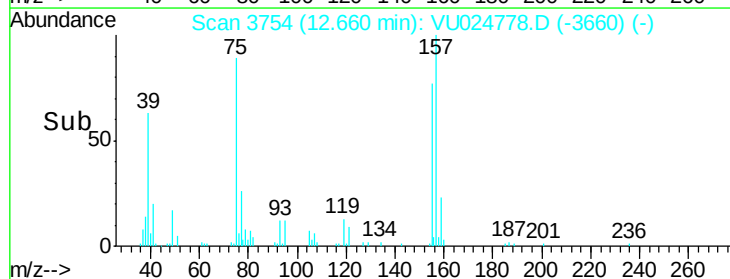
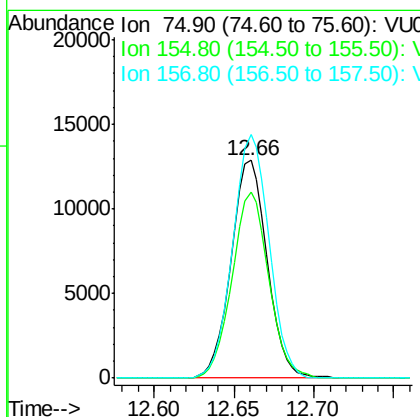
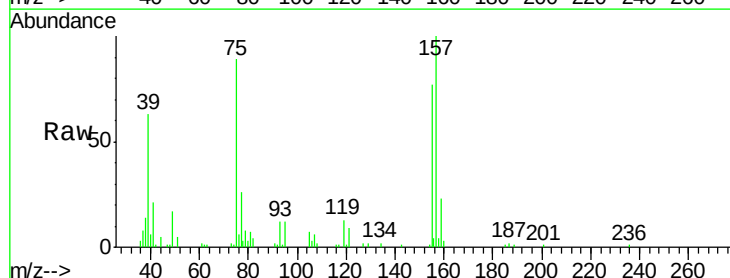
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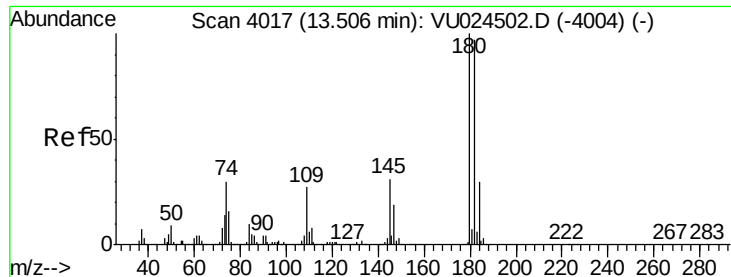
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.48 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	40.4	121.2
157	111.8	52.3	156.8





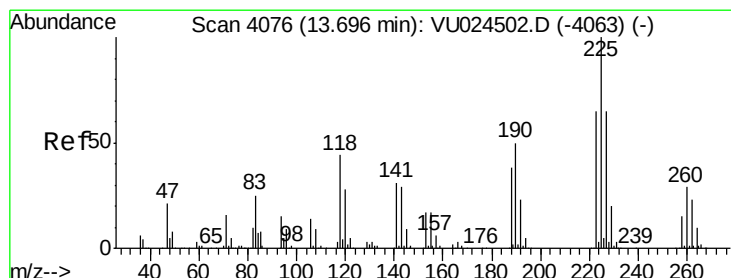
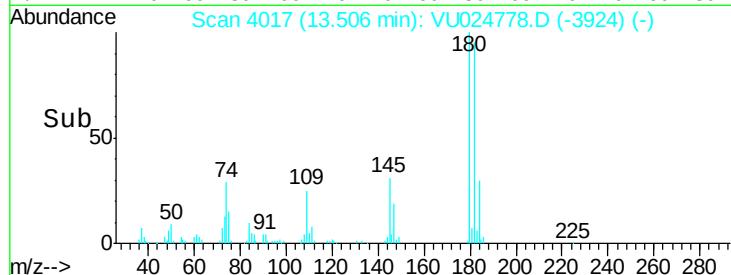
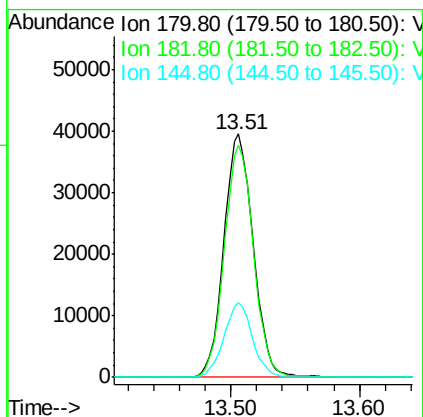
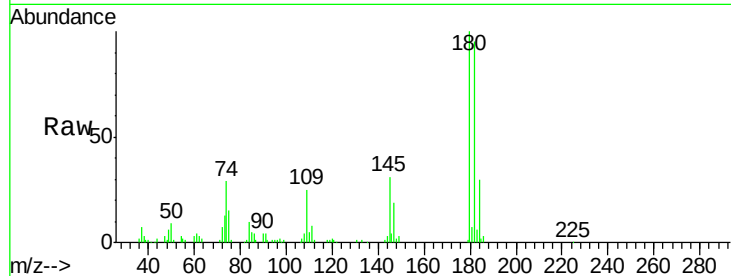
#93
 1,2,4-Trichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	29.5	14.7	44.1

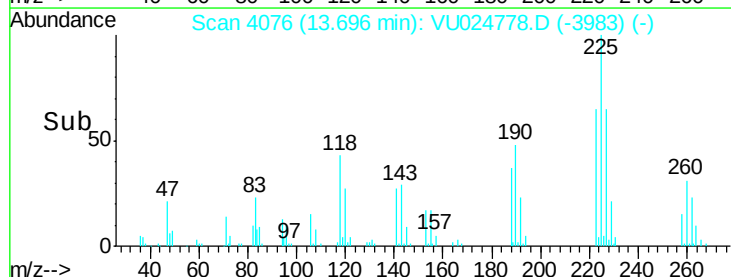
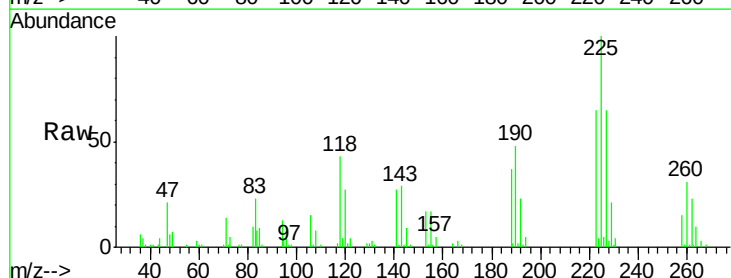
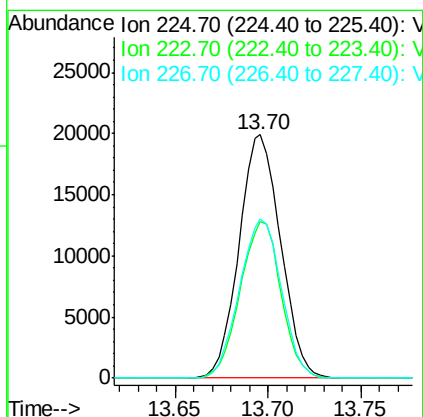
Manual Integrations
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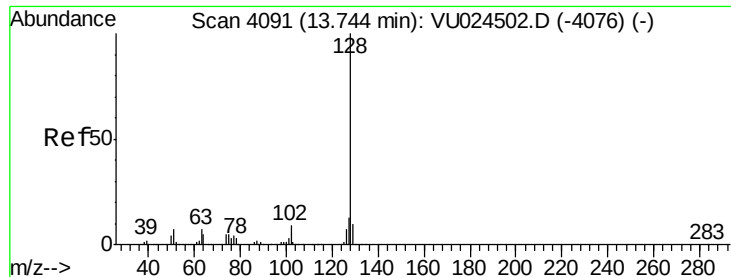
apatel
 6/21/2018 1:45:02 PM



#94
 Hexachlorobutadiene
 Concen: 17.31 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024778.D
 Acq: 21 Jun 2018 00:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.8
227	65.6	31.8	95.4





#95

Naphthalene

Concen: 22.01 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Instrument :

MSVOA_U

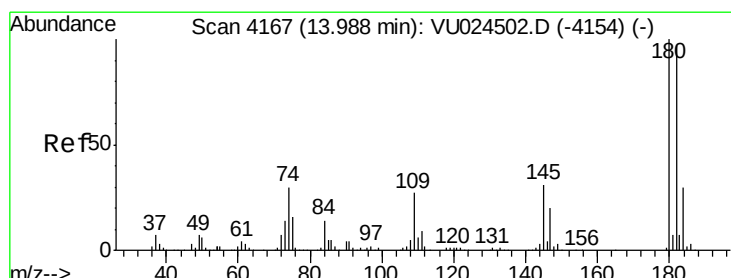
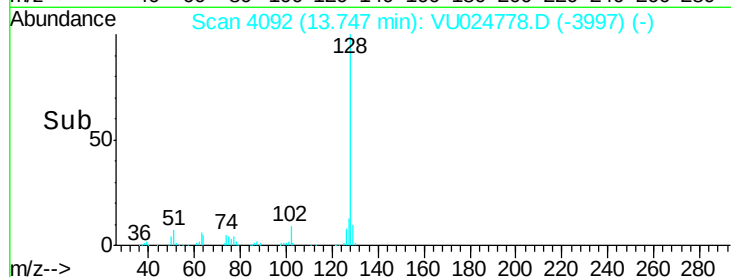
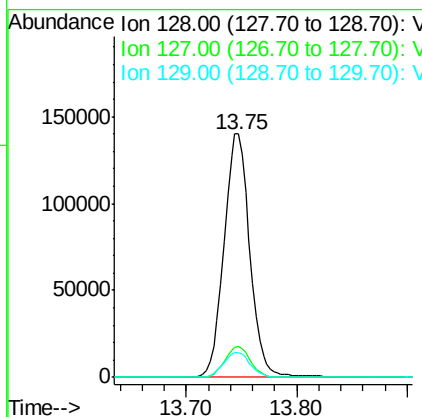
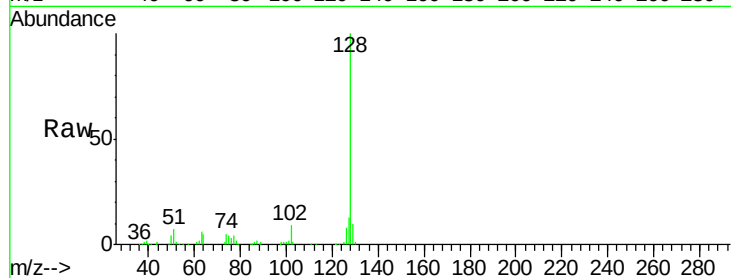
ClientSampleId :

VU0620WBSD02

Tot Ion:	128	Resp:	227305
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	16.0
129	10.6	8.6	12.8

Manual Integrations
APPROVED

apatel
6/21/2018 1:45:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.33 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024778.D

Acq: 21 Jun 2018 00:25

Tgt Ion:	180	Resp:	67496
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.9	143.7
145	32.1	15.4	46.1

