

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025930.D
 Acq On : 07 Aug 2018 09:18
 Operator : MD/SY
 Sample : J4344-07MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Manual Integrations
 APPROVED

apatel
 8/7/2018 2:24:45 PM

Quant Time: Aug 07 10:30:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304031	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	180511	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	144408	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.66%		
35) Dibromofluoromethane	4.89	113	123045	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.06%		
50) Toluene-d8	7.57	98	427506	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.40%		
62) 4-Bromofluorobenzene	10.31	95	165866	46.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	106887	36.11	ug/l	98
3) Chloromethane	1.33	50	110307	38.99	ug/l	99
4) Vinyl Chloride	1.41	62	122514	46.02	ug/l	98
5) Bromomethane	1.63	94	63829	49.09	ug/l	100
6) Chloroethane	1.70	64	75594	48.56	ug/l	98
7) Trichlorofluoromethane	1.89	101	180946	47.01	ug/l	97
8) Diethyl Ether	2.10	74	68256	49.01	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	97026	43.56	ug/l	100
10) Methyl Iodide	2.41	142	71337	37.03	ug/l	100
11) Tert butyl alcohol	2.83	59	163791	245.18	ug/l	100
12) 1,1-Dichloroethene	2.29	96	95763	45.54	ug/l	95
13) Acrolein	2.20	56	88900	368.42	ug/l	99
14) Allyl chloride	2.60	41	161362	42.70	ug/l	96
15) Acrylonitrile	2.94	53	342267	256.61	ug/l	98
16) Acetone	2.32	43	363871	244.60	ug/l	97
17) Carbon Disulfide	2.48	76	323683	47.56	ug/l	99
18) Methyl Acetate	2.62	43	128398	35.86	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	395460	51.90	ug/l	100
20) Methylene Chloride	2.70	84	123433	46.82	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	120455	49.56	ug/l	96
22) Diisopropyl ether	3.58	45	378251	50.80	ug/l	93
23) Vinyl Acetate	3.53	43	1271590	195.95	ug/l	99
24) 1,1-Dichloroethane	3.45	63	220228	49.27	ug/l	99
25) 2-Butanone	4.27	43	603654	298.09	ug/l	99
26) 2,2-Dichloropropane	4.23	77	95899	23.60	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	137158	50.05	ug/l	92
28) Bromochloromethane	4.55	49	97683	48.88	ug/l	95
29) Tetrahydrofuran	4.64	42	303920	250.50	ug/l	99
30) Chloroform	4.68	83	229399	48.62	ug/l	98
31) Cyclohexane	5.00	56	194137	49.93	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	213919	50.36	ug/l	98
36) 1,1-Dichloropropene	5.14	75	170038	47.86	ug/l	98
37) Ethyl Acetate	4.38	43	144895	39.33	ug/l	98
38) Carbon Tetrachloride	5.14	117	191552	47.60	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	190948	46.90	ug/l	97
40) Benzene	5.39	78	493415	47.51	ug/l	99
41) Methacrylonitrile	4.55	41	99606	48.68	ug/l	97
42) 1,2-Dichloroethane	5.41	62	187874	46.98	ug/l	99
43) Isopropyl Acetate	5.55	43	256431	42.12	ug/l	98
44) Trichloroethene	6.19	130	141792	49.02	ug/l	97
45) 1,2-Dichloropropane	6.44	63	129944	47.97	ug/l	97
46) Dibromomethane	6.56	93	92797	47.28	ug/l	98
47) Bromodichloromethane	6.76	83	180468	48.20	ug/l	96
48) Methyl methacrylate	6.63	41	145060	48.61	ug/l	95
49) 1,4-Dioxane	6.62	88	70831	975.48	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1149079	301.48	ug/l	99
52) Toluene	7.64	92	316680	49.08	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	187575	44.62	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	197276	45.69	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	131680	49.11	ug/l	99
56) Ethyl methacrylate	8.02	69	195391	51.00	ug/l	95
57) 1,3-Dichloropropane	8.25	76	218776	48.52	ug/l	100
59) 2-Hexanone	8.36	43	887269	296.97	ug/l	97
60) Dibromochloromethane	8.48	129	155321	49.12	ug/l	99
61) 1,2-Dibromoethane	8.59	107	146549	49.14	ug/l	100
64) Tetrachloroethene	8.23	164	123847	48.69	ug/l	98
65) Chlorobenzene	9.12	112	369368	49.58	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	136151	50.52	ug/l	97
67) Ethyl Benzene	9.25	91	629574	51.02	ug/l	100
68) m/p-Xylenes	9.38	106	501006	105.75	ug/l	97
69) o-Xylene	9.78	106	242379	52.35	ug/l	100
70) Styrene	9.80	104	390012	52.15	ug/l	98
71) Bromoform	9.96	173	124315	53.20	ug/l #	100
73) Isopropylbenzene	10.17	105	635758	51.60	ug/l	100
74) N-amyl acetate	10.01	43	200814	39.93	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	209009	49.06	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	182963m	46.00	ug/l	
77) Bromobenzene	10.45	156	171966	50.60	ug/l	96
78) n-propylbenzene	10.59	91	730682	50.81	ug/l	99
79) 2-Chlorotoluene	10.66	91	430432	51.10	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	540393	51.65	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	56169m	35.41	ug/l	
82) 4-Chlorotoluene	10.78	91	507640	51.13	ug/l	99
83) tert-Butylbenzene	11.10	119	528145	50.80	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	562165	53.02	ug/l	98
85) sec-Butylbenzene	11.33	105	632052	49.80	ug/l	100
86) p-Isopropyltoluene	11.48	119	560708	49.34	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	313262	49.66	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	313207	47.63	ug/l	99
89) n-Butylbenzene	11.89	91	481359	45.90	ug/l	100
90) Hexachloroethane	12.15	117	96258	47.64	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	307029	49.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49968	49.47	ug/l	96
93) 1,2,4-Trichlorobenzene	13.51	180	211760	50.75	ug/l	100

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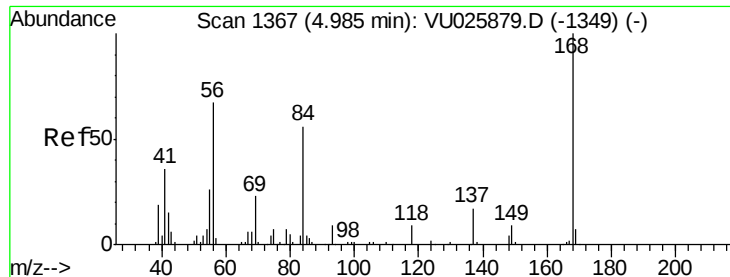
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	90172	40.99	ug/l	100
95) Naphthalene	13.74	128	653791	48.81	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	211238	50.75	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion:168 Resp: 195834

Ion Ratio Lower Upper

168 100

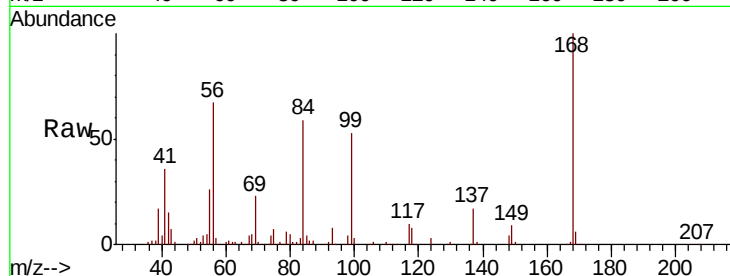
99 52.4 42.8 64.2

Manual Integrations

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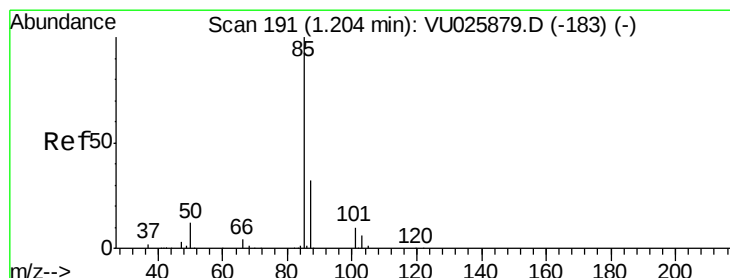
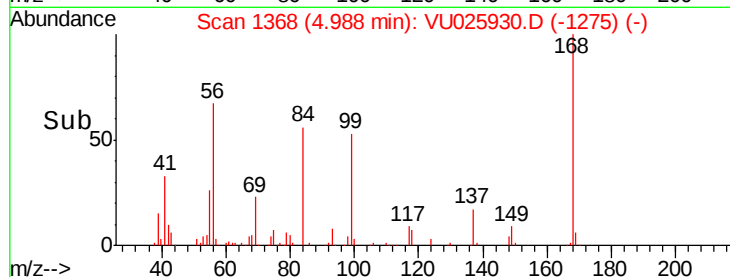
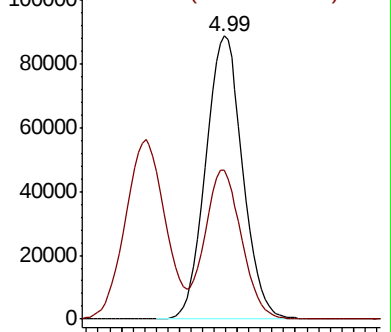
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Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)



#2

Dichlorodifluoromethane

Concen: 36.11 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025930.D

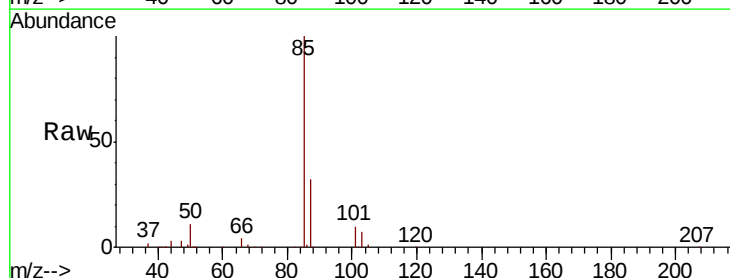
Acq: 07 Aug 2018 09:18

Tgt Ion: 85 Resp: 106887

Ion Ratio Lower Upper

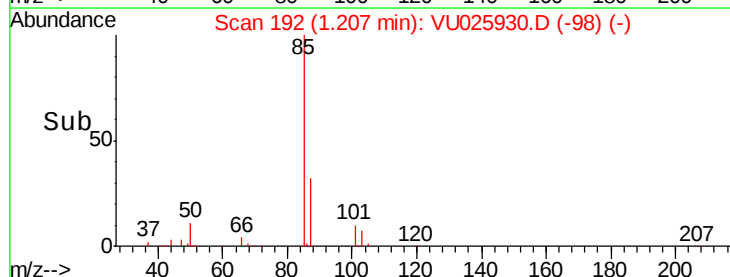
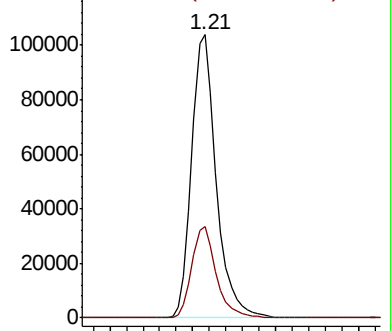
85 100

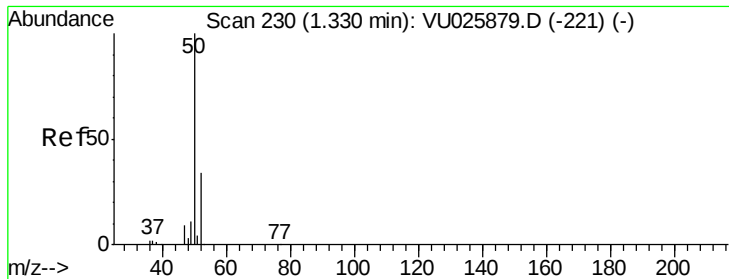
87 32.1 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025879.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025879.D (-183) (-)





#3

Chloromethane

Concen: 38.99 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion: 50 Resp: 110307

Ion Ratio Lower Upper

50 100

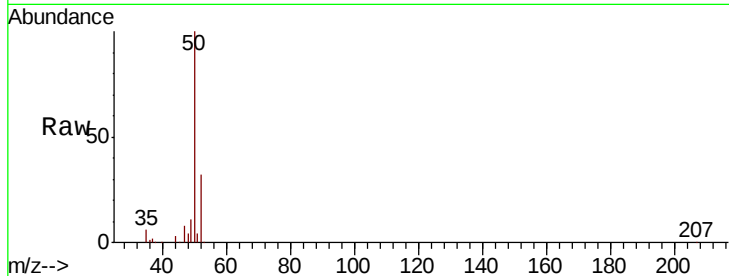
52 32.4 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU025930.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025930.D (-137) (-)

1.33

100000

80000

60000

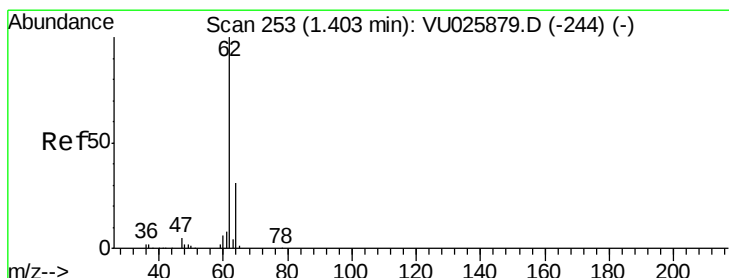
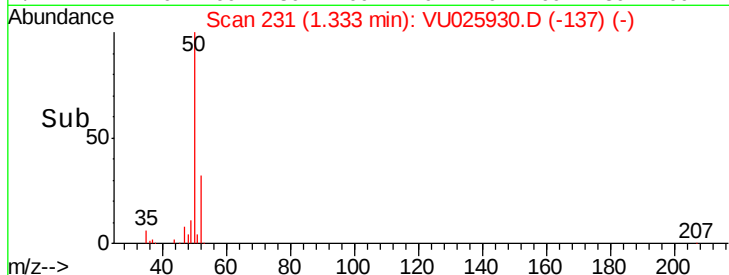
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 46.02 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025930.D

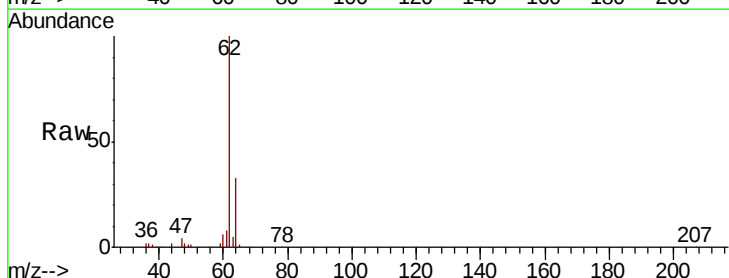
Acq: 07 Aug 2018 09:18

Tgt Ion: 62 Resp: 122514

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU025930.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU025930.D (-160) (-)

1.41

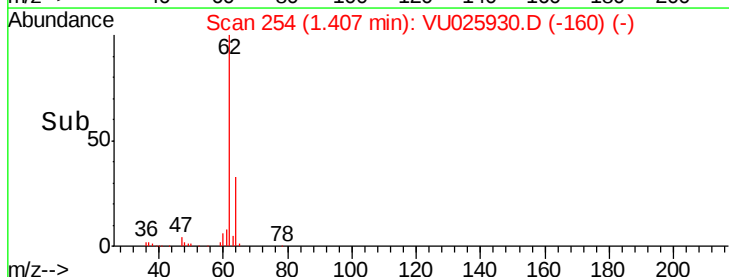
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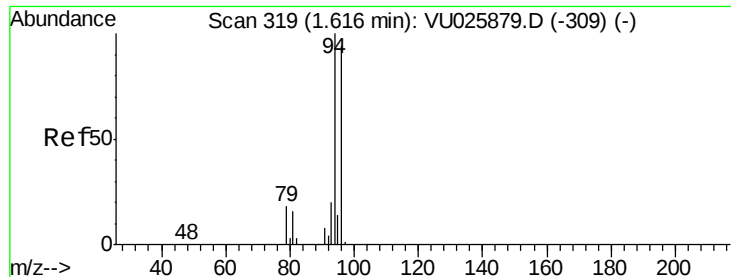
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 49.09 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

FL-0536MSD

Tot Ion: 94 Resp: 63829

Ion Ratio Lower Upper

94 100

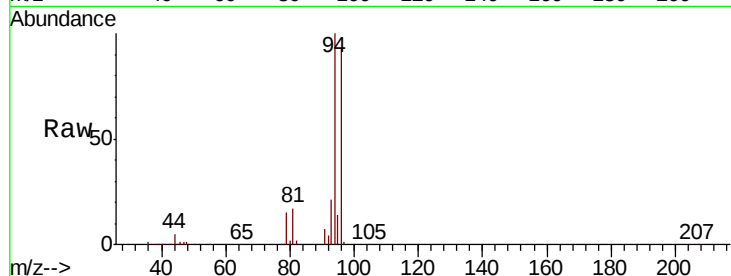
96 93.3 75.0 112.4

Manual Integrations

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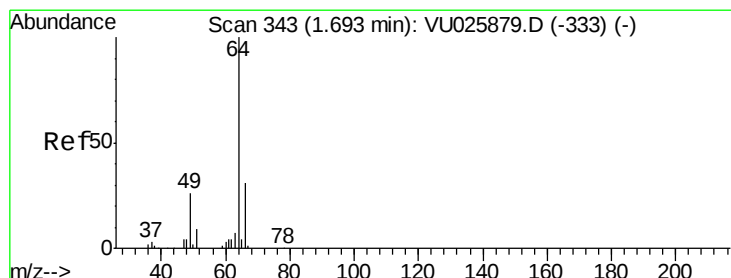
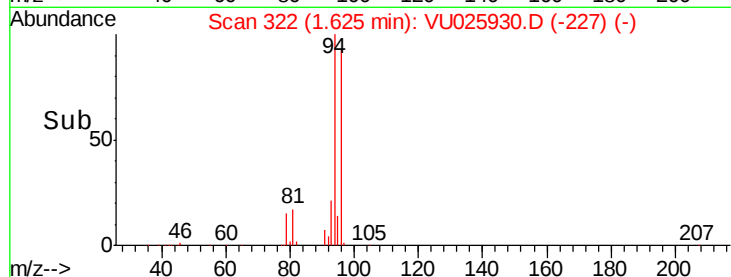
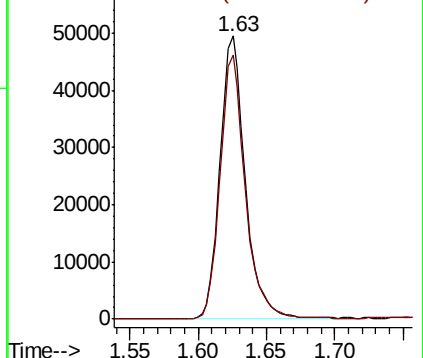
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.56 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025930.D

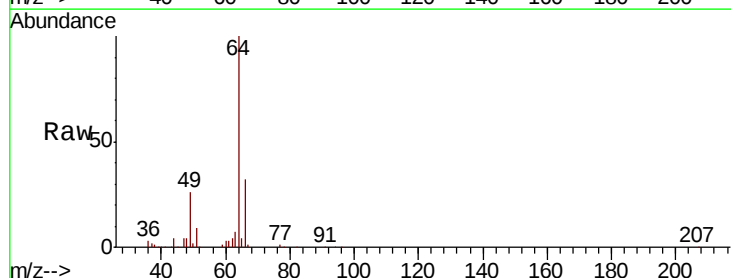
Acq: 07 Aug 2018 09:18

Tgt Ion: 64 Resp: 75594

Ion Ratio Lower Upper

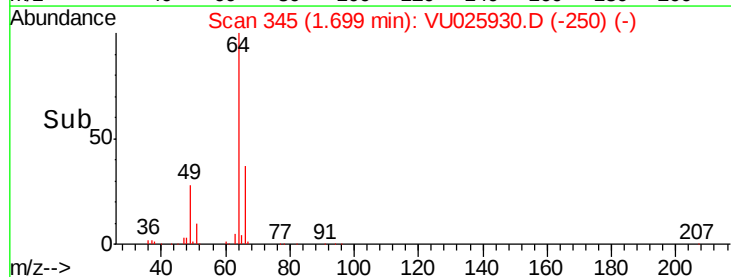
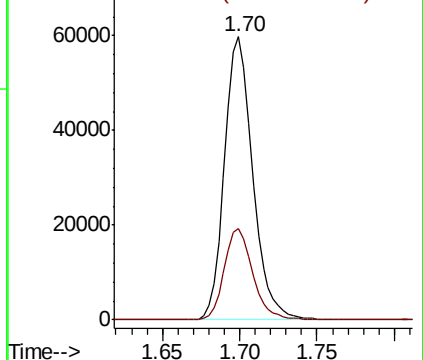
64 100

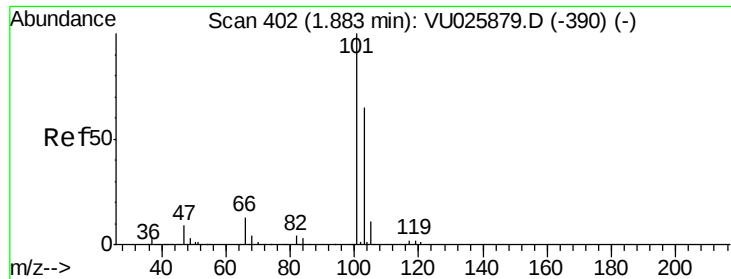
66 32.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 47.01 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion:101 Resp: 180946

Ion Ratio Lower Upper

101 100

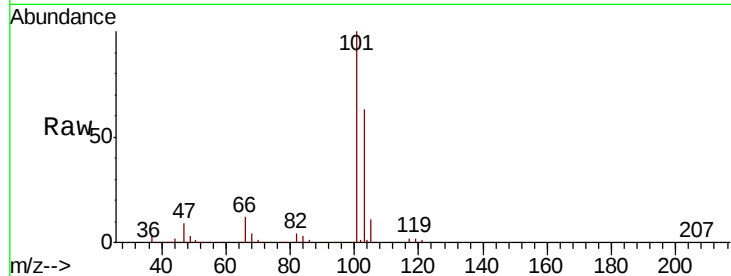
103 63.2 52.2 78.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

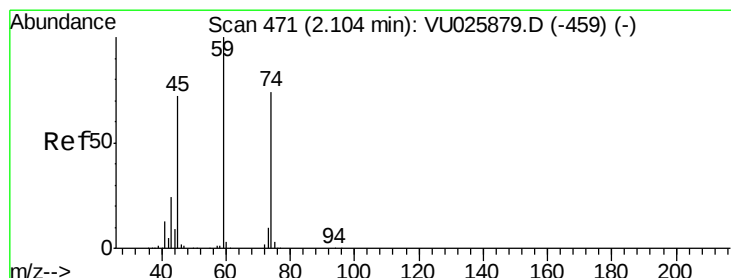
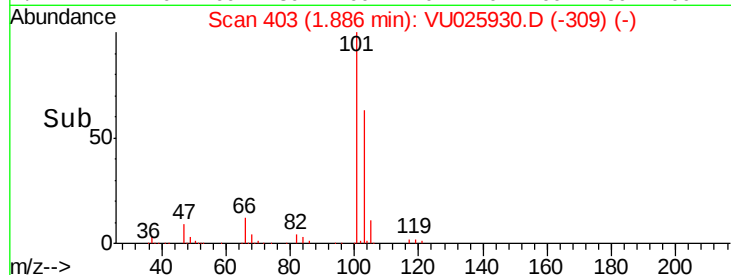
1.89

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 49.01 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025930.D

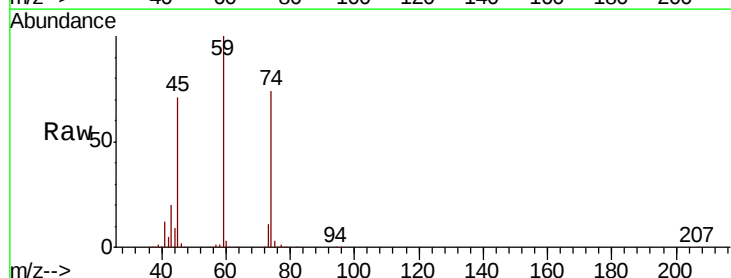
Acq: 07 Aug 2018 09:18

Tgt Ion: 74 Resp: 68256

Ion Ratio Lower Upper

74 100

45 95.1 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

50000

2.10

40000

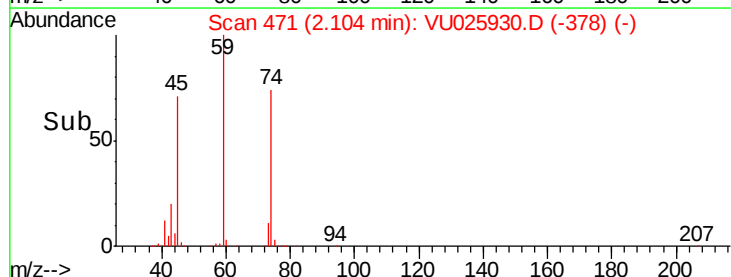
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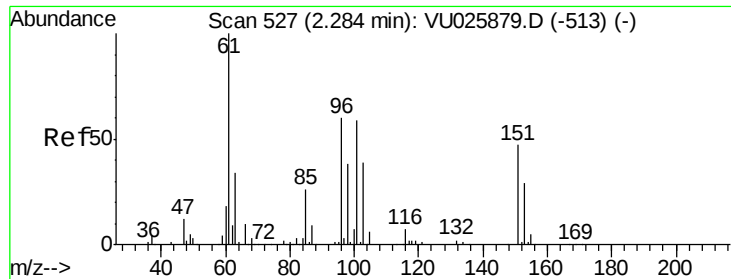
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.56 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

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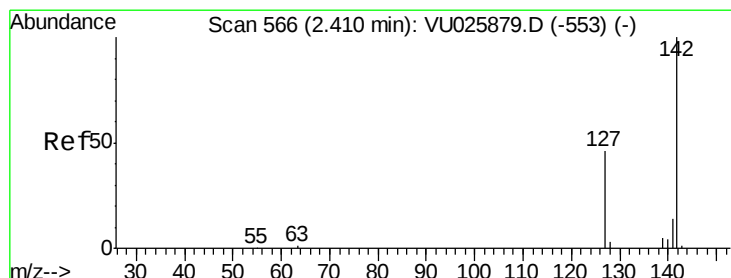
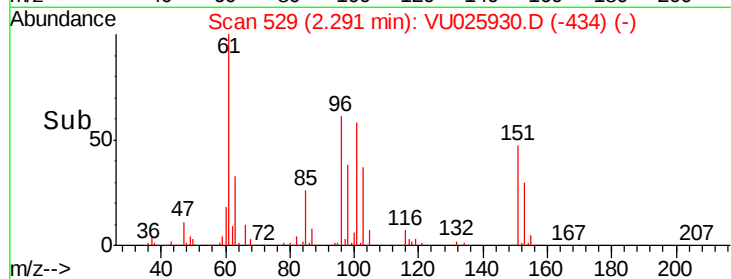
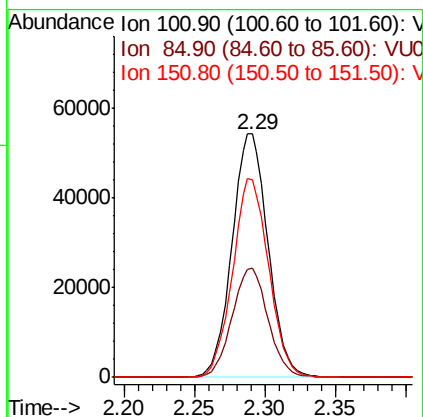
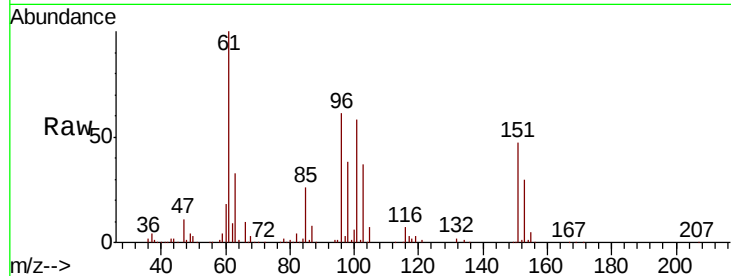
ClientSampleId :

FL-0536MSD

Tot Ion:	101	Resp:	97026
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	81.8	65.6	98.4

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#10

Methyl Iodide

Concen: 37.03 ug/l

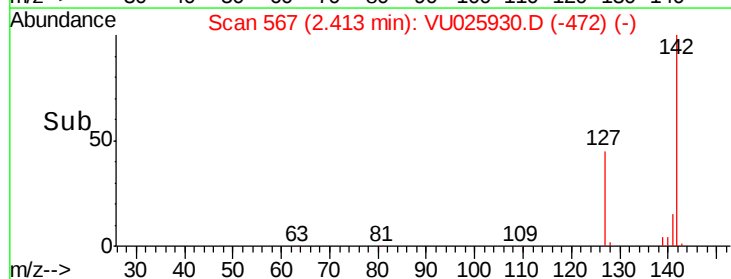
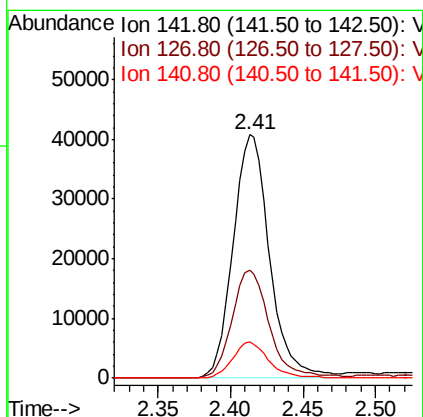
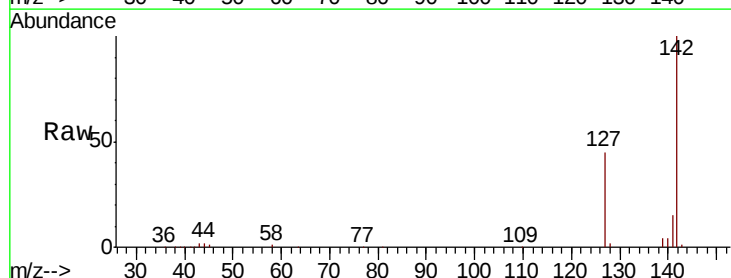
RT: 2.41 min Scan# 567

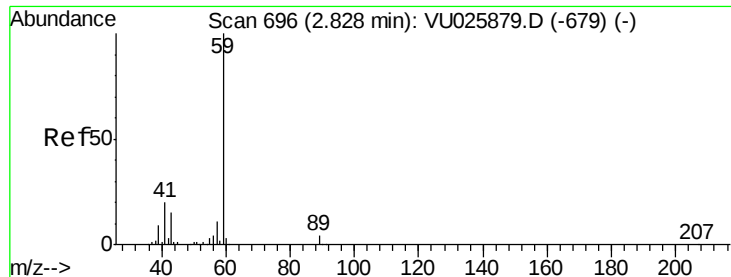
Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	142	Resp:	71337
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.5	54.7
141	14.6	11.4	17.2





#11

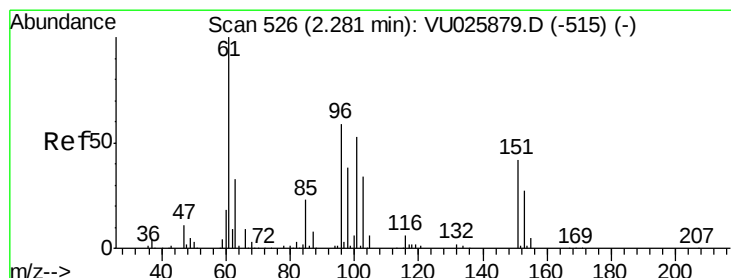
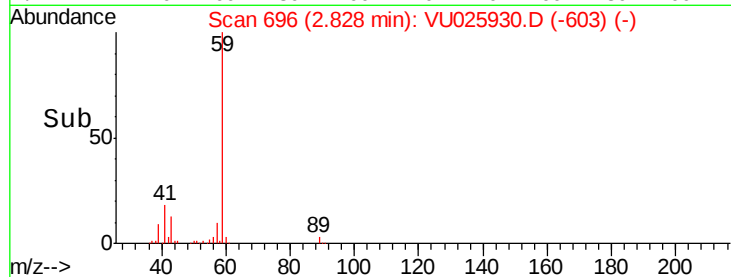
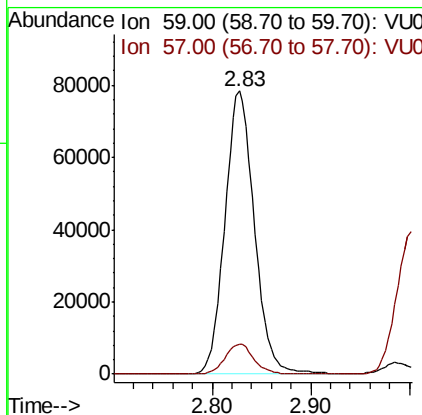
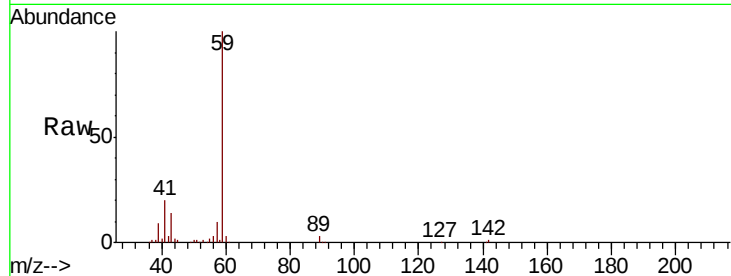
Tert butyl alcohol
 Concen: 245.18 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MSD

Tot Ion	59	Resp	163791
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

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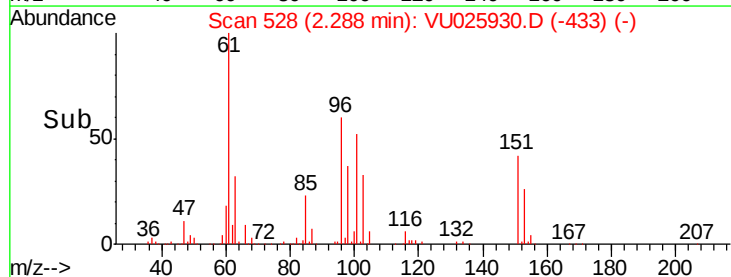
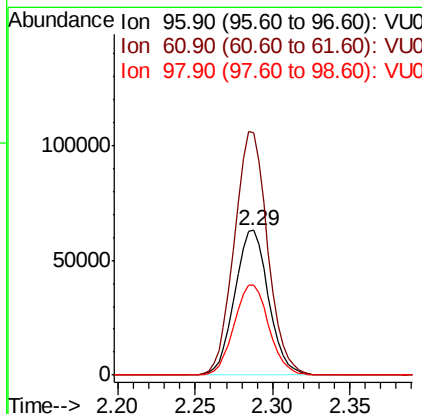
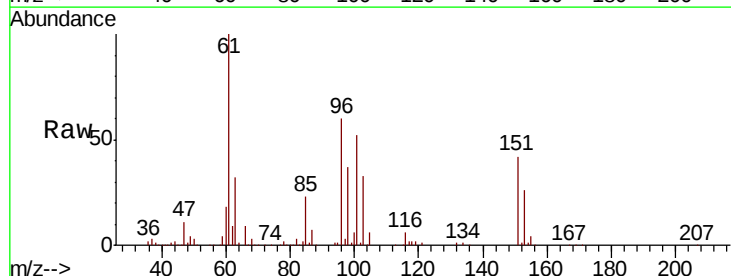
apatel
 8/7/2018 2:24:45 PM

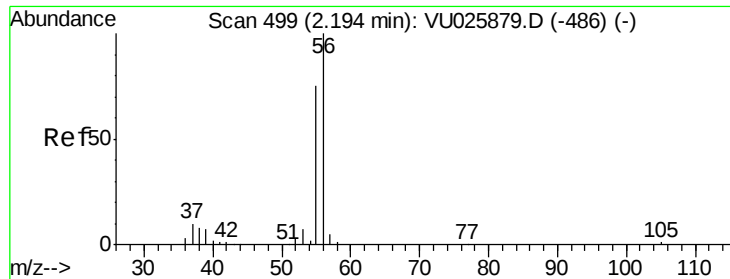


#12

1,1-Dichloroethene
 Concen: 45.54 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	96	Resp	95763
Ion Ratio	100	Lower	Upper
61	166.8	140.2	210.4
98	62.1	49.3	73.9





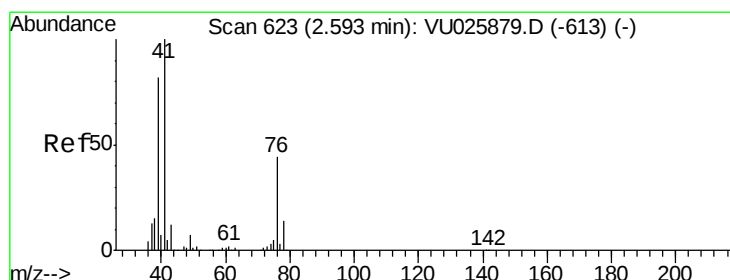
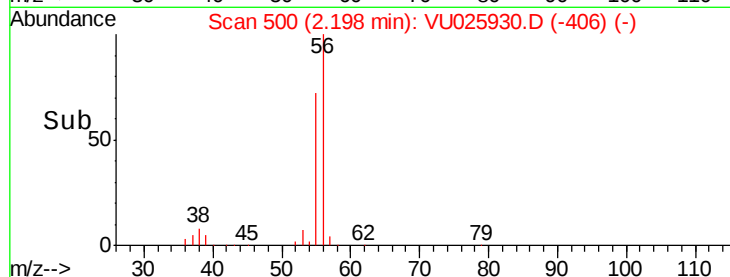
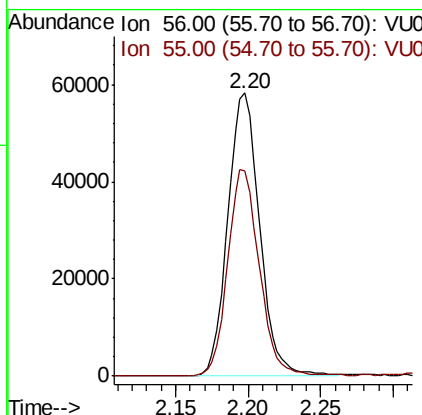
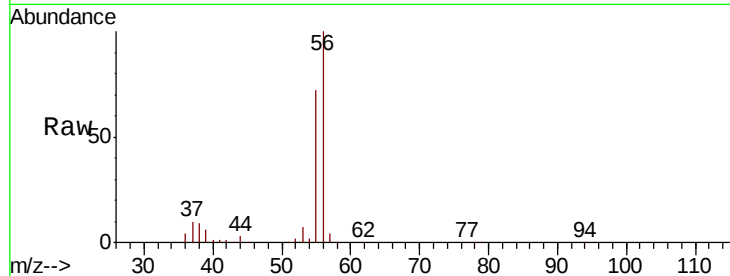
#13
Acrolein
Concen: 368.42 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MSD

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	72.7		57.2	85.8	

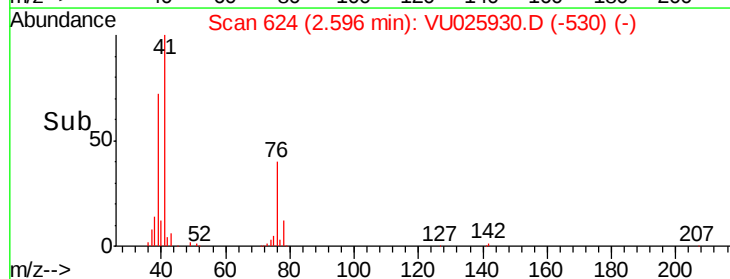
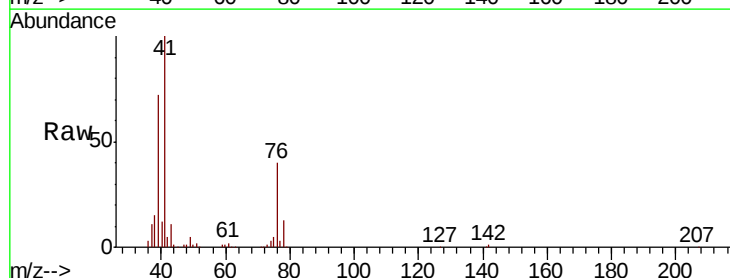
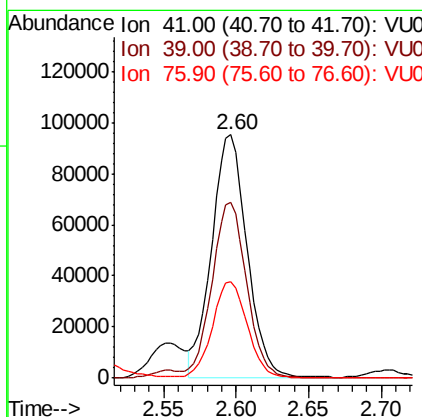
Manual Integrations
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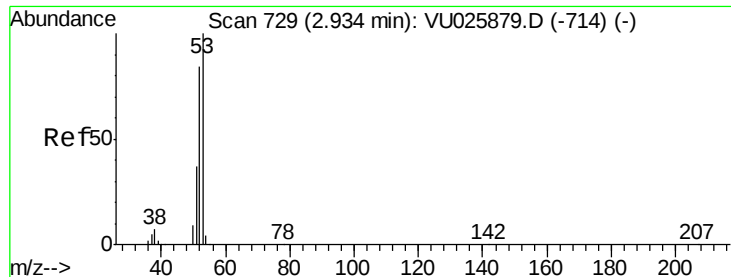
apatel
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#14
Allyl chloride
Concen: 42.70 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	71.0		60.6	91.0		
76	39.1		30.5	45.7		





#15

Acrylonitrile

Concen: 256.61 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

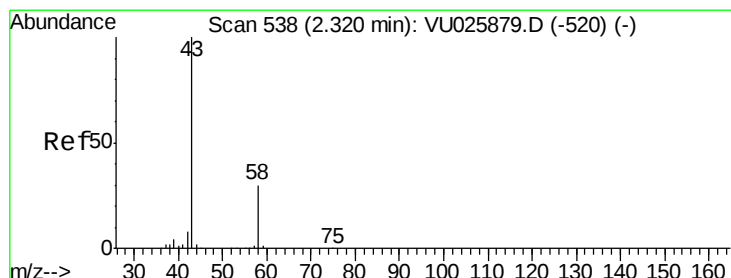
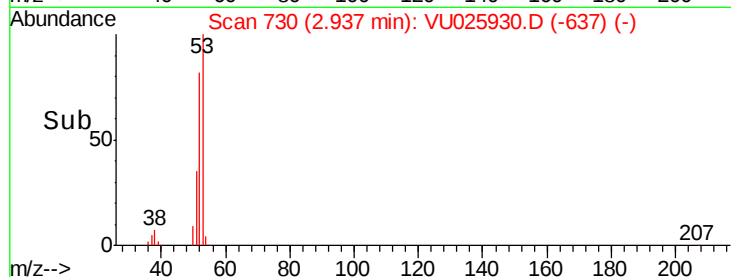
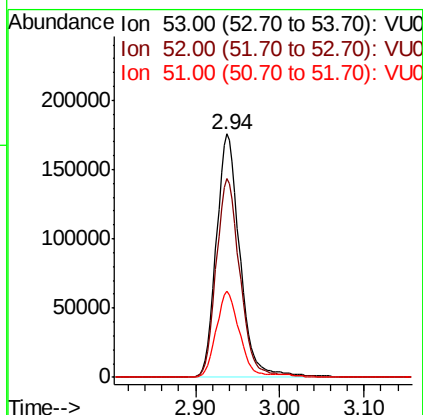
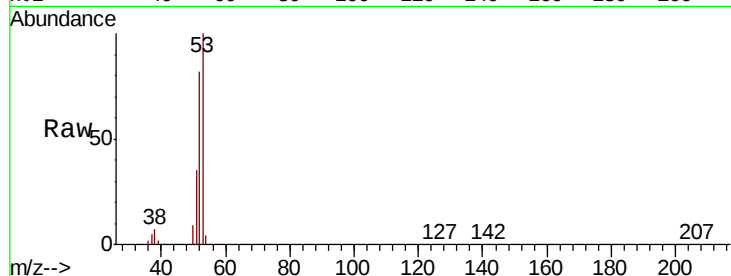
ClientSampleId :

FL-0536MSD

Tot Ion:	53	Resp:	342267
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	99.8
51	34.6	29.4	44.2

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#16

Acetone

Concen: 244.60 ug/l

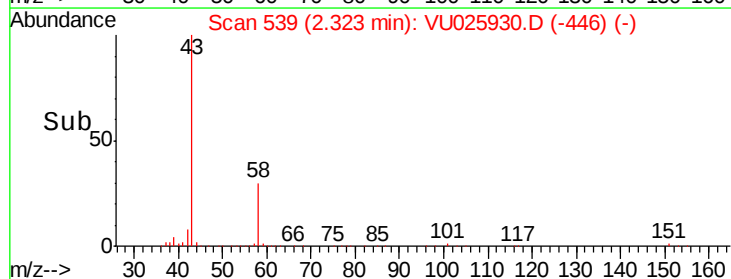
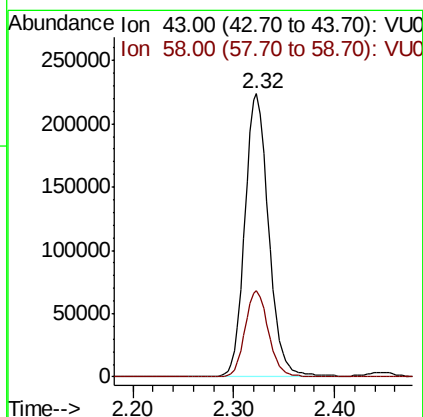
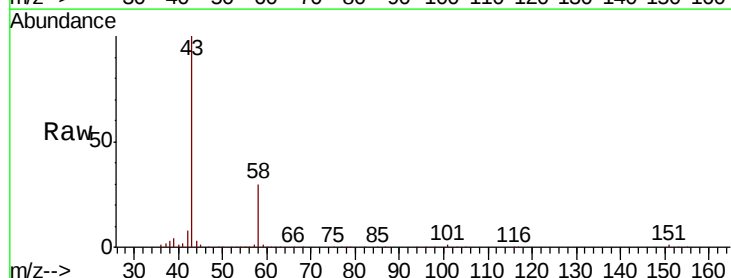
RT: 2.32 min Scan# 539

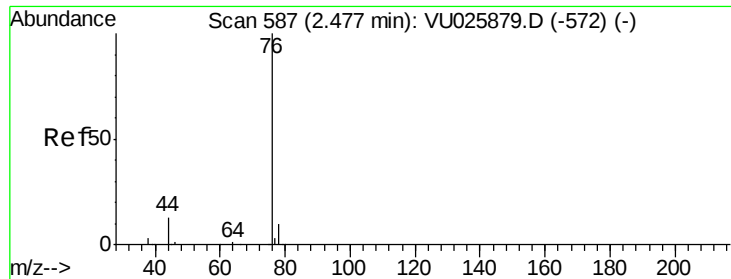
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	43	Resp:	363871
Ion Ratio	Lower	Upper	
43	100		
58	30.3	23.1	34.7





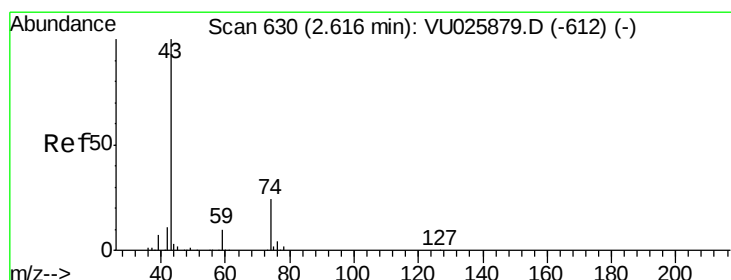
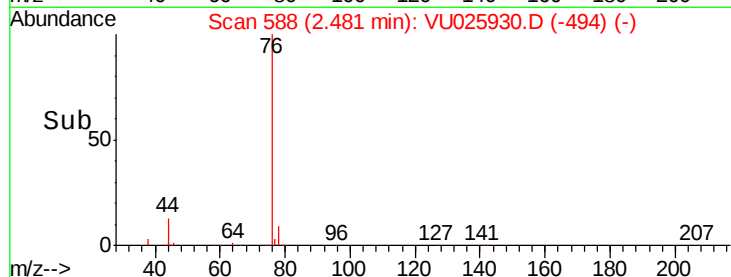
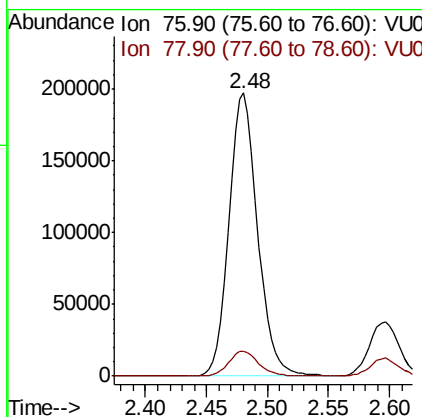
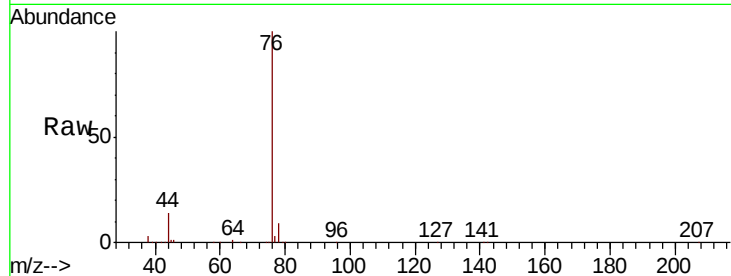
#17
Carbon Disulfide
Concen: 47.56 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

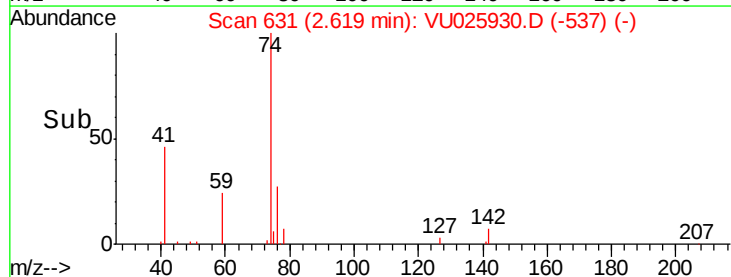
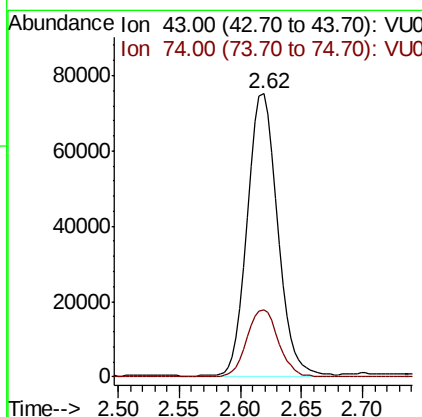
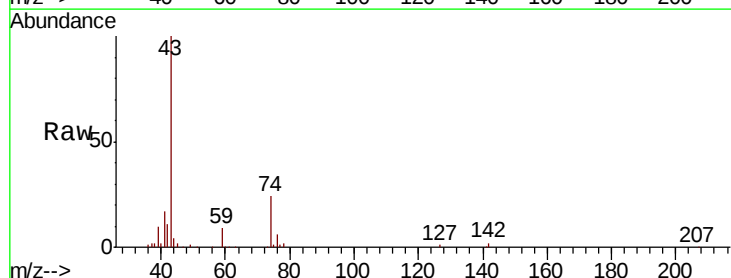
Manual Integrations
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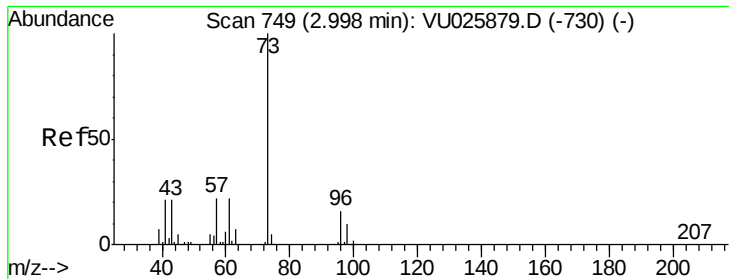
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#18
Methyl Acetate
Concen: 35.86 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.5	27.7





#19

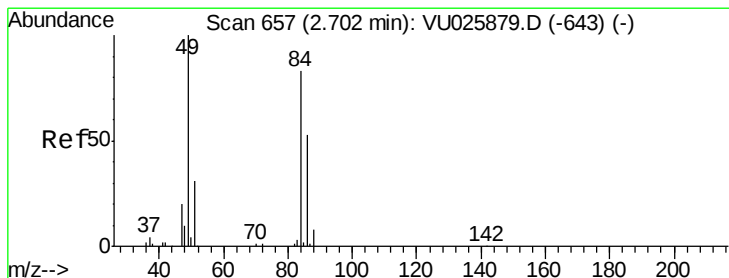
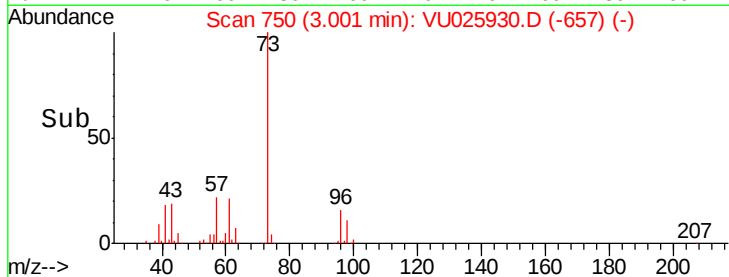
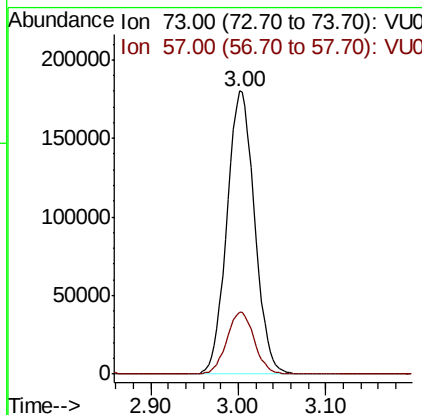
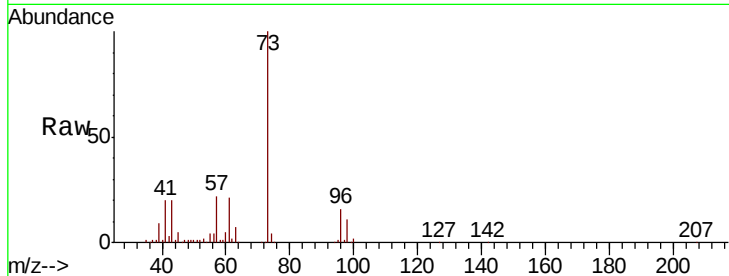
Methyl tert-butyl Ether
 Concen: 51.90 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

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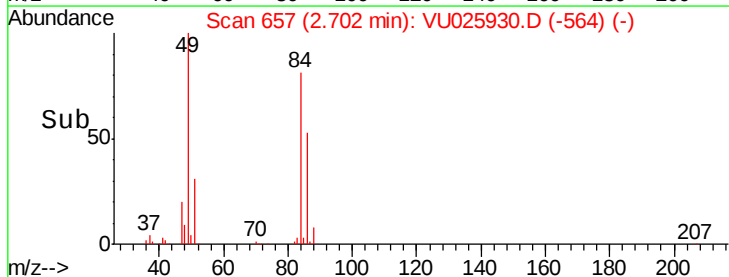
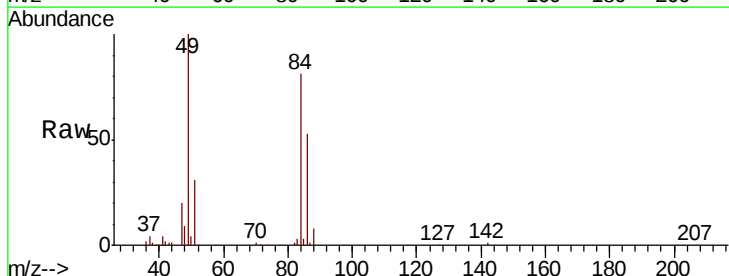
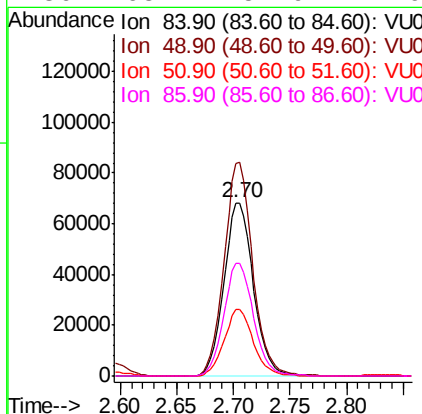
apatel
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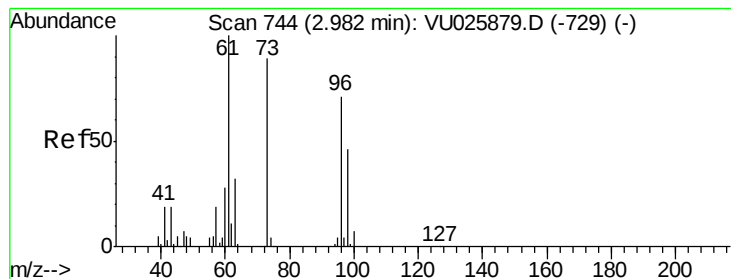


#20

Methylene Chloride
 Concen: 46.82 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	101.8	152.6
51	38.4	30.8	46.2
86	65.1	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 49.56 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

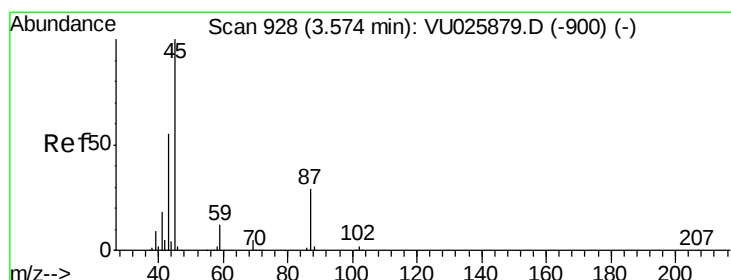
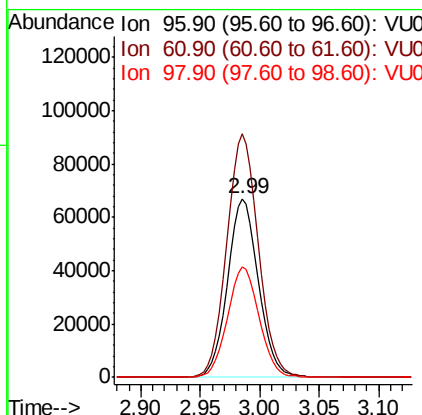
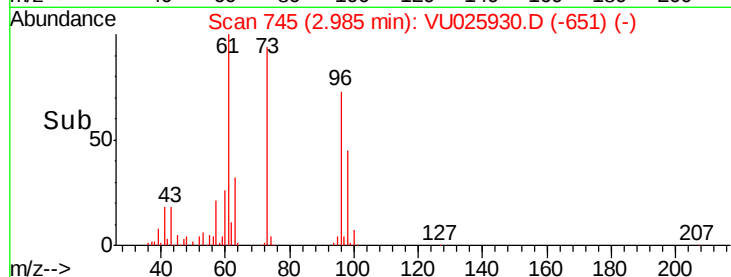
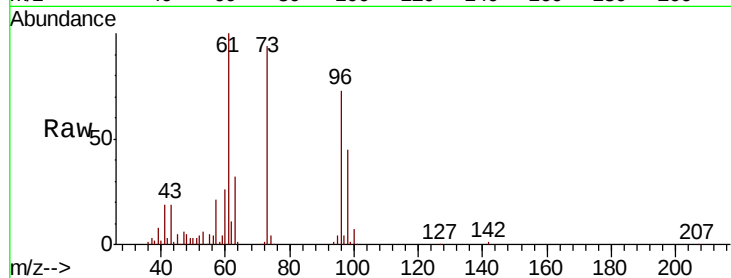
ClientSampleId :

FL-0536MSD

Tot Ion:	96	Resp:	120455
Ion	Ratio	Lower	Upper
96	100		
61	136.2	114.5	171.7
98	61.8	50.5	75.7

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#22

Diisopropyl ether

Concen: 50.80 ug/l

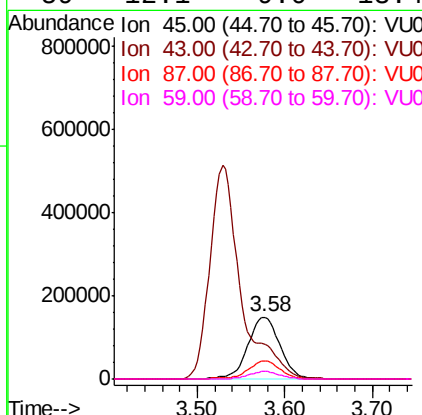
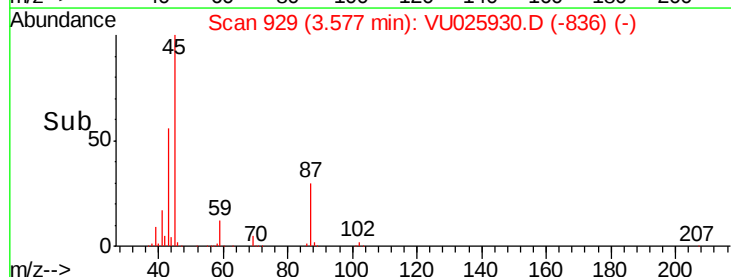
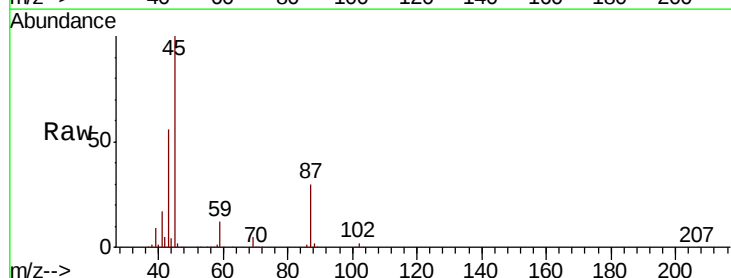
RT: 3.58 min Scan# 929

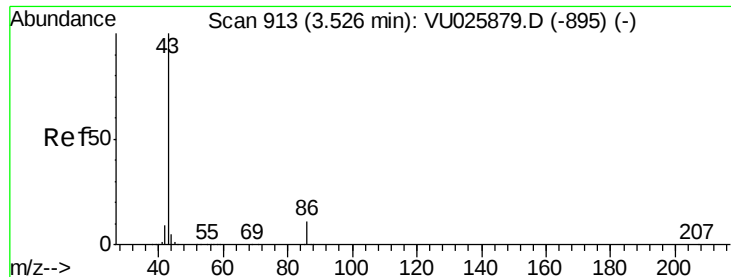
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	45	Resp:	378251
Ion	Ratio	Lower	Upper
45	100		
43	55.1	50.9	76.3
87	29.7	23.8	35.8
59	12.1	9.0	13.4





#23

Vinyl Acetate

Concen: 195.95 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion: 43 Resp: 1271590

Ion Ratio Lower Upper

43 100

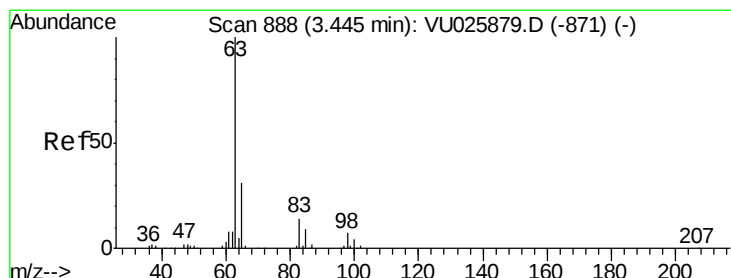
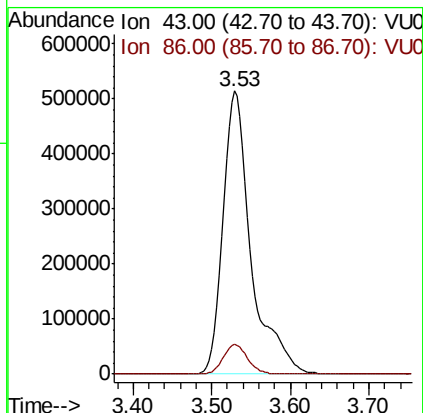
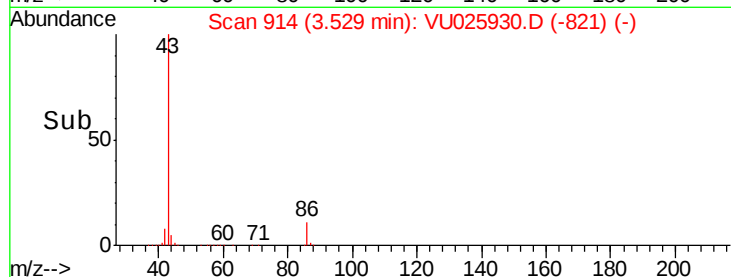
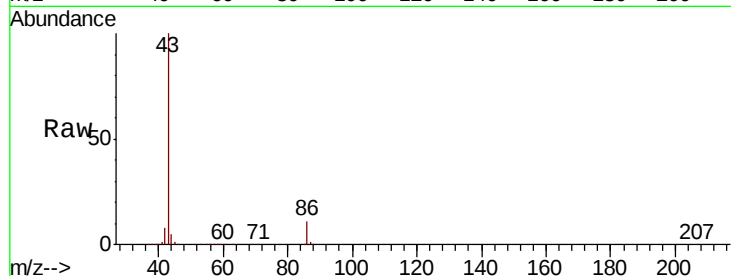
86 10.6 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 49.27 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

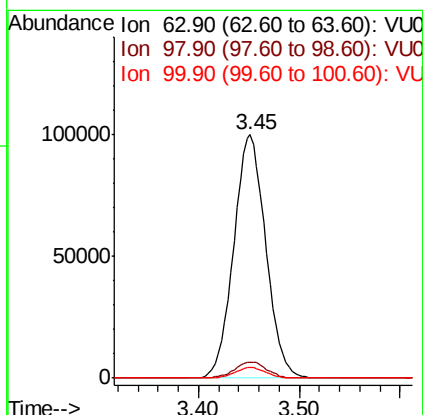
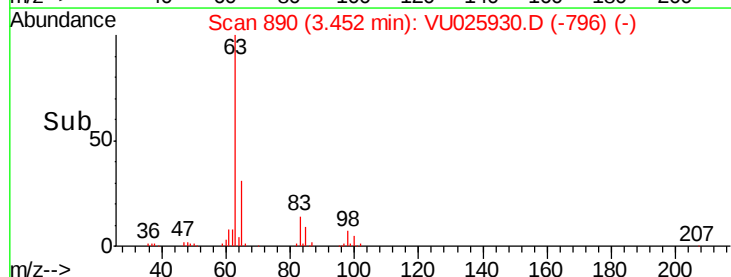
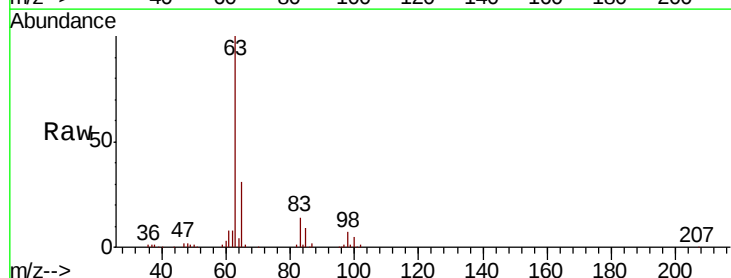
Tgt Ion: 63 Resp: 220228

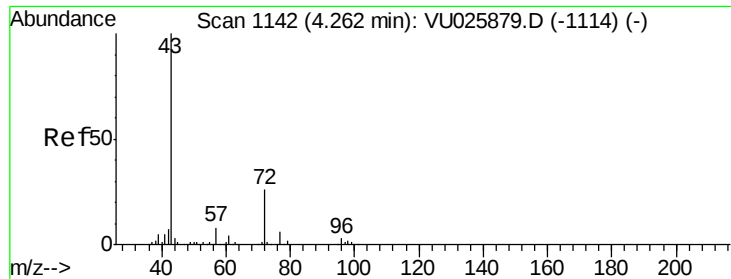
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 298.09 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

FL-0536MSD

Tot Ion: 43 Resp: 603654

Ion Ratio Lower Upper

43 100

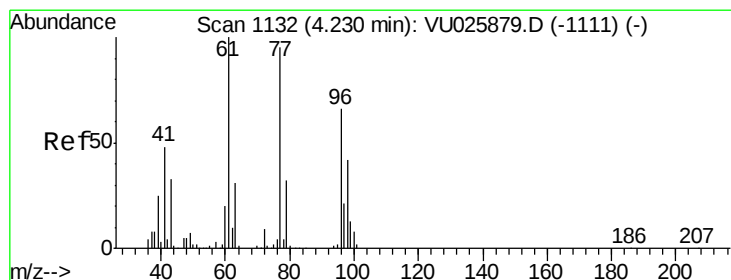
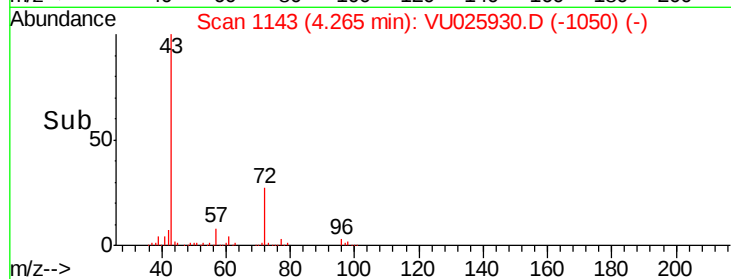
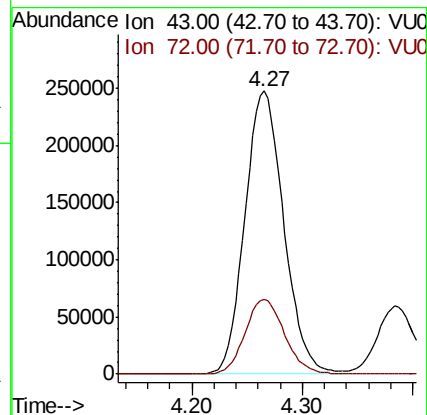
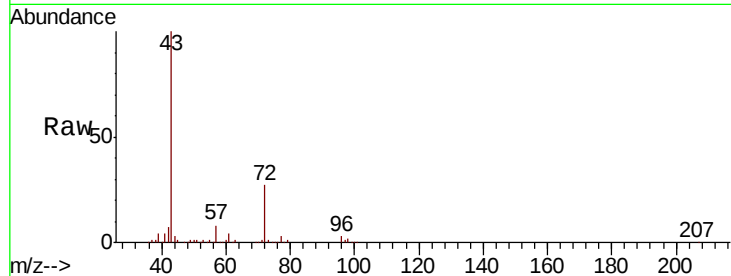
72 26.6 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.60 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025930.D

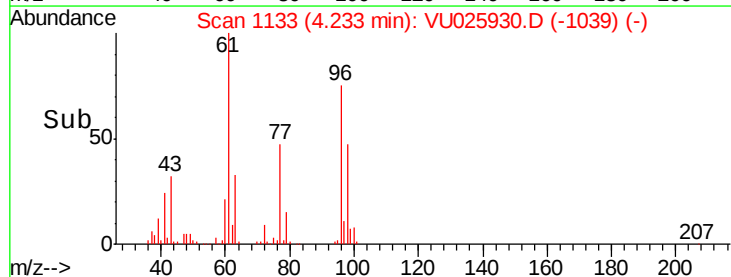
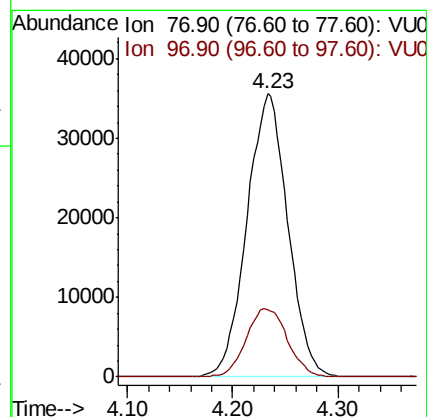
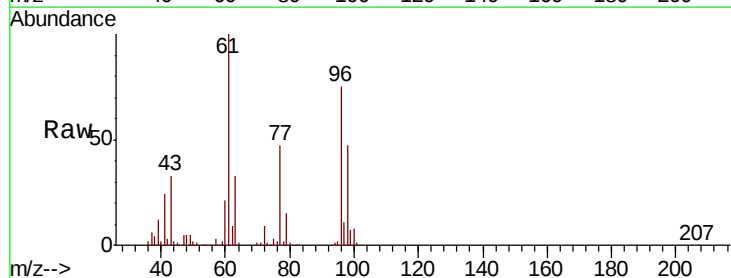
Acq: 07 Aug 2018 09:18

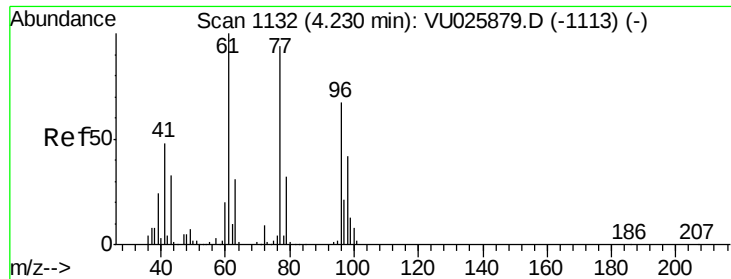
Tgt Ion: 77 Resp: 95899

Ion Ratio Lower Upper

77 100

97 24.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 50.05 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

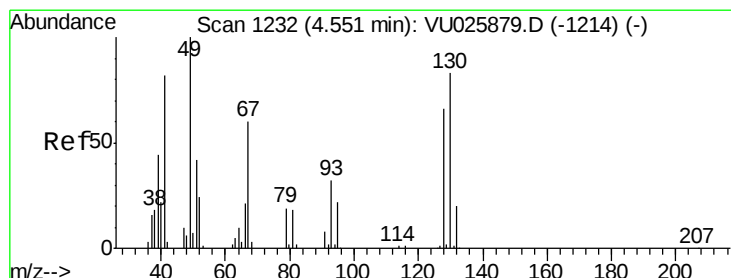
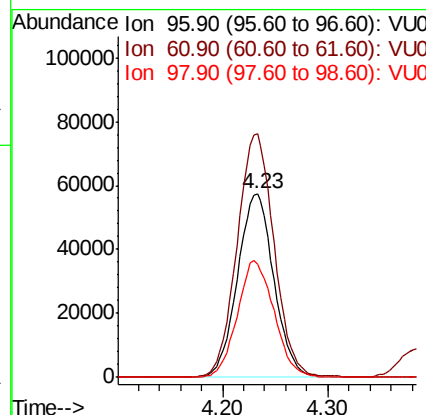
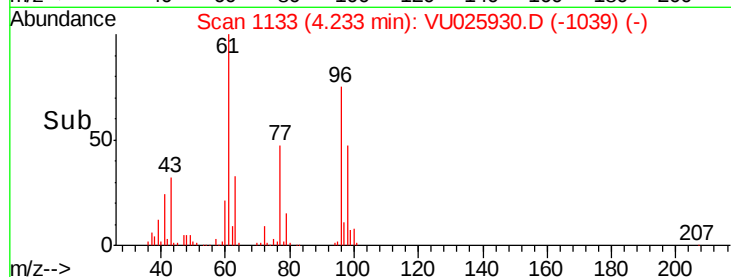
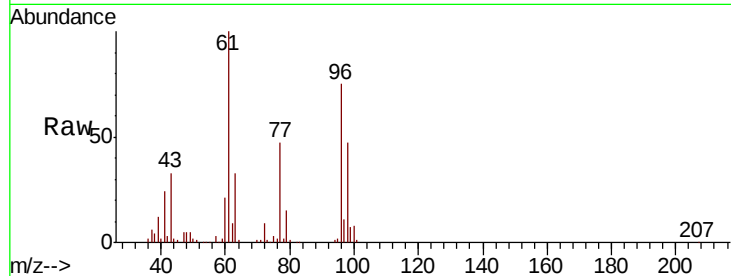
ClientSampleId :

FL-0536MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	137158		
61	135.3	0.0	299.8	
98	64.3	0.0	128.6	

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#28

Bromochloromethane

Concen: 48.88 ug/l

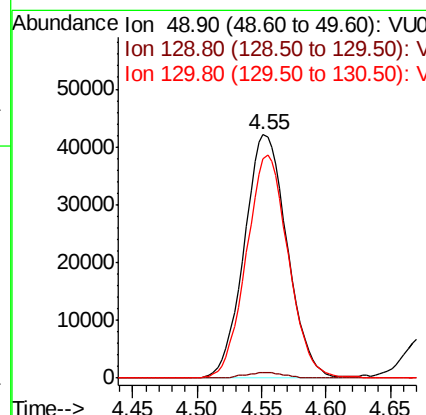
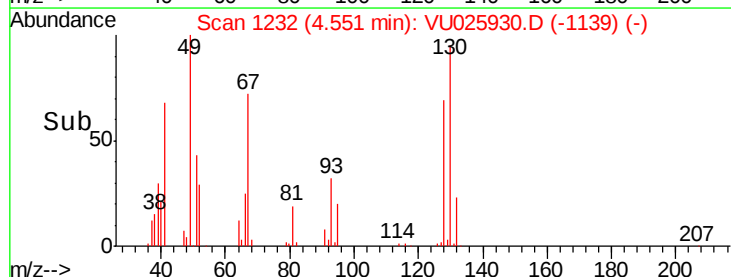
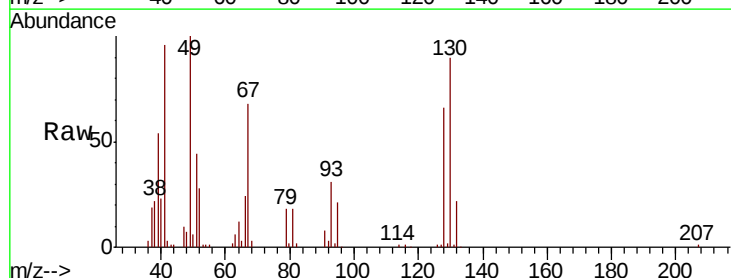
RT: 4.55 min Scan# 1232

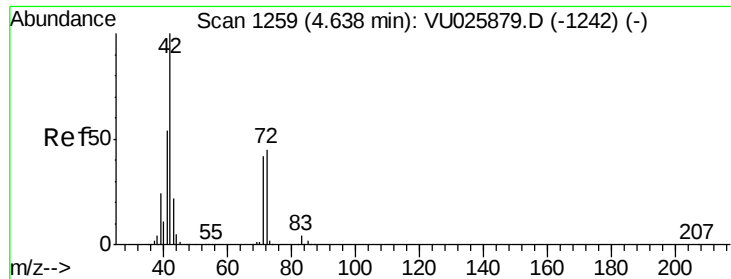
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	97683		
129	2.1	0.0	4.6	
130	89.9	68.6	102.8	





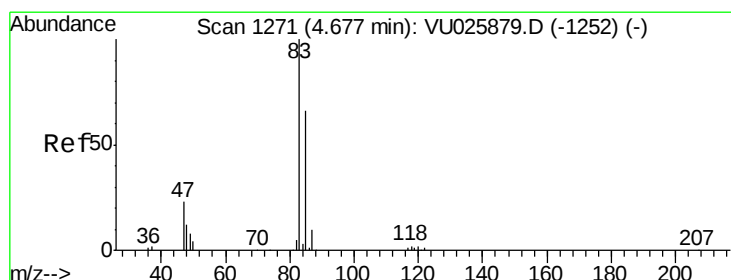
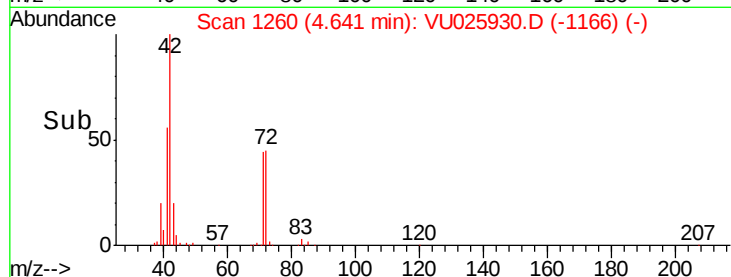
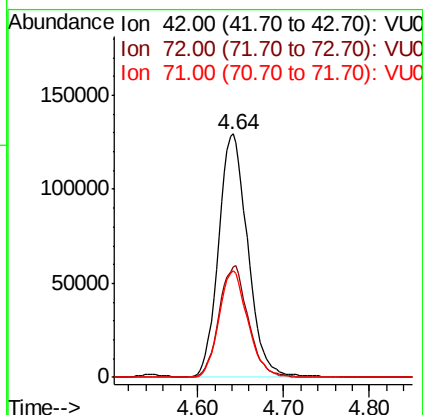
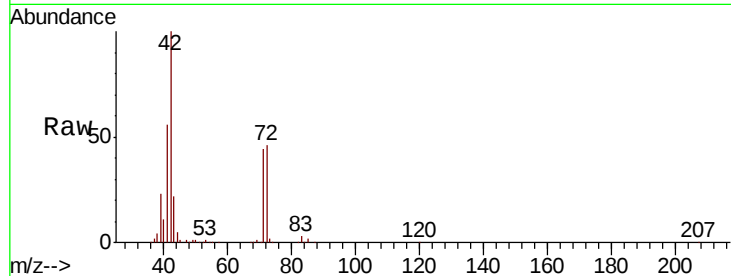
#29
Tetrahydrofuran
Concen: 250.50 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.7	55.1
71	43.6	33.9	50.9

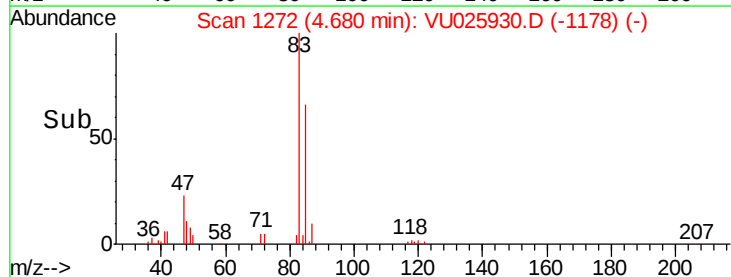
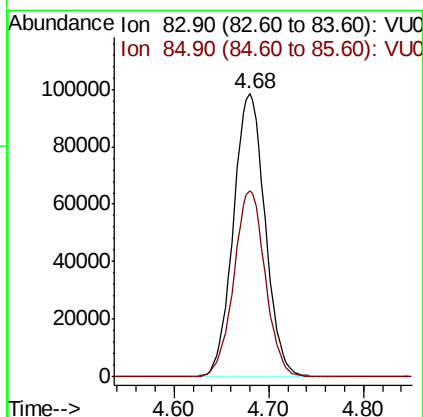
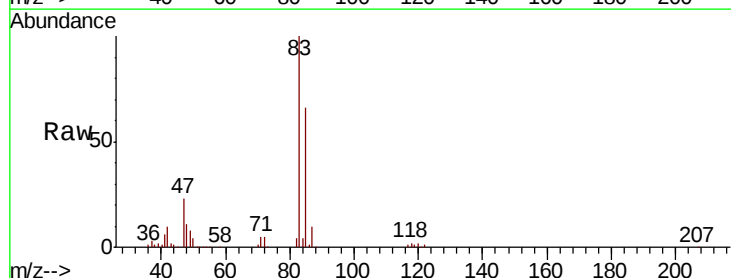
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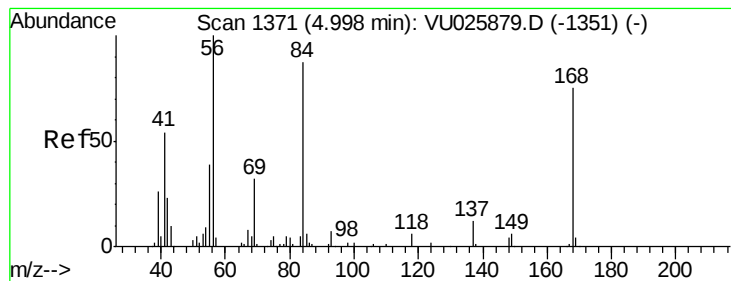
apatel
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#30
Chloroform
Concen: 48.62 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





#31

Cyclohexane

Concen: 49.93 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

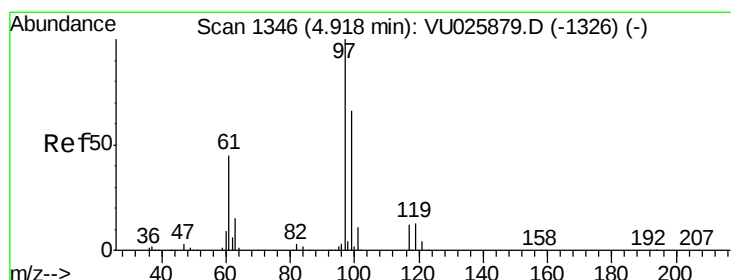
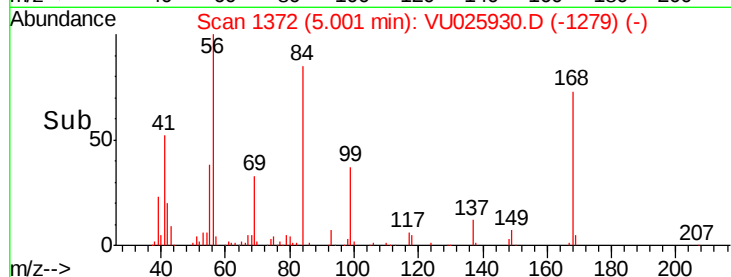
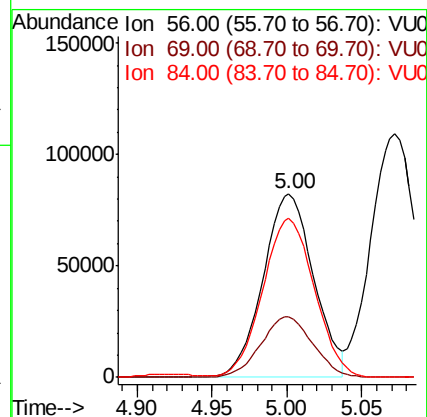
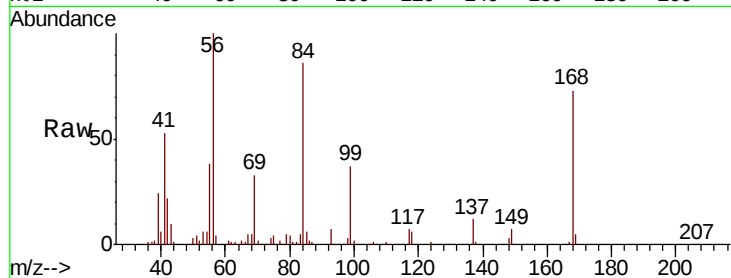
ClientSampled :

FL-0536MSD

Tot Ion:	56	Resp:	194137
Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.8	40.2
84	85.3	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 50.36 ug/l

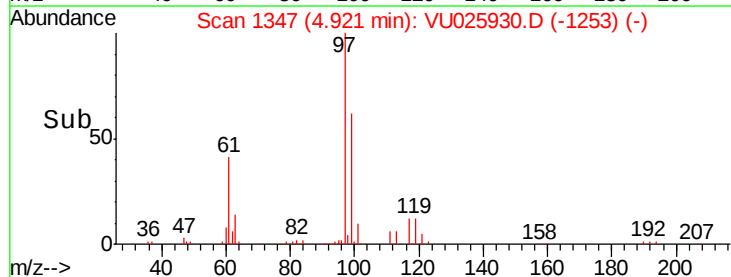
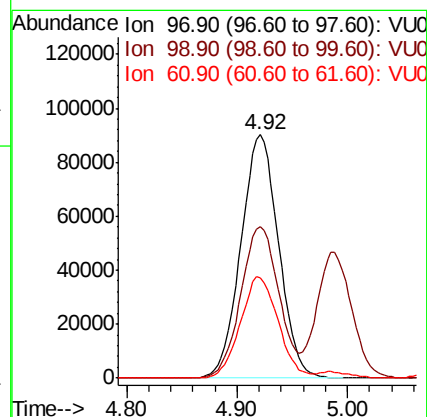
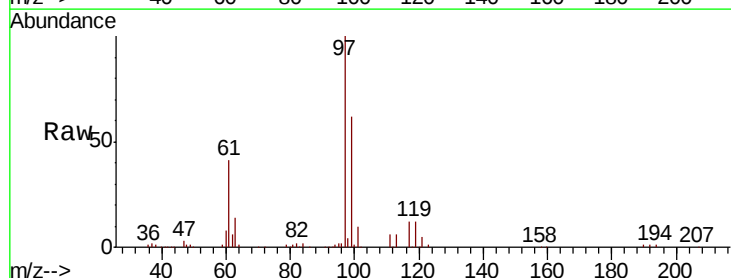
RT: 4.92 min Scan# 1347

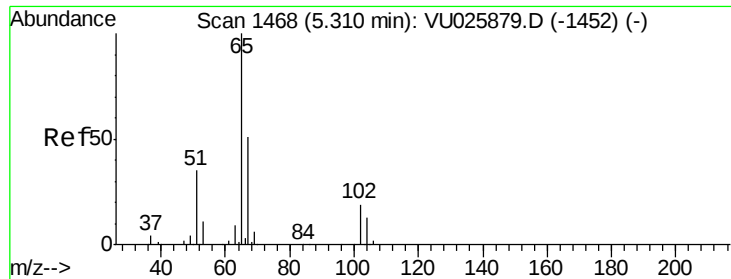
Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	97	Resp:	213919
Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.8	76.2
61	41.8	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 47.33 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion: 65 Resp: 144408

Ion Ratio Lower Upper

65 100

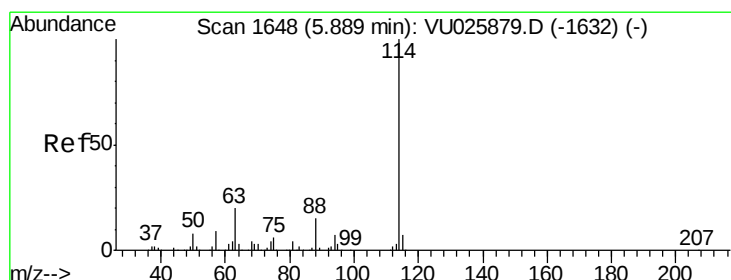
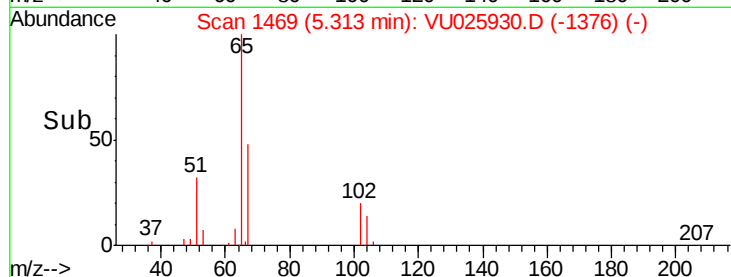
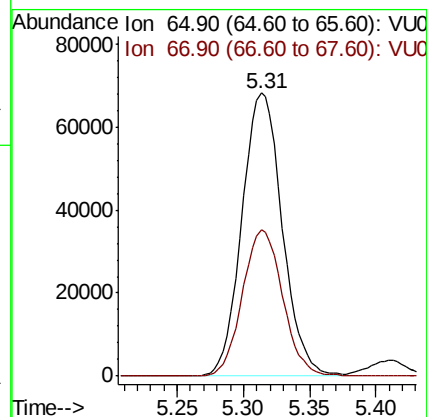
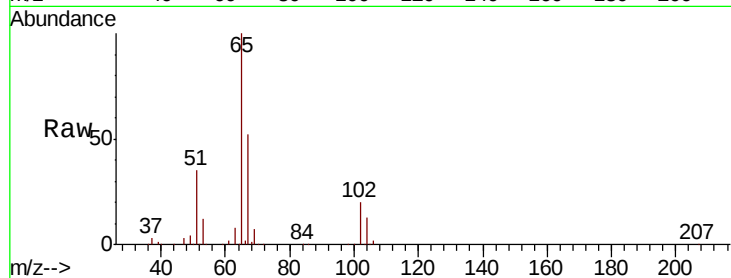
67 51.6 0.0 103.6

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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: VU025930.D

Acq: 07 Aug 2018 09:18

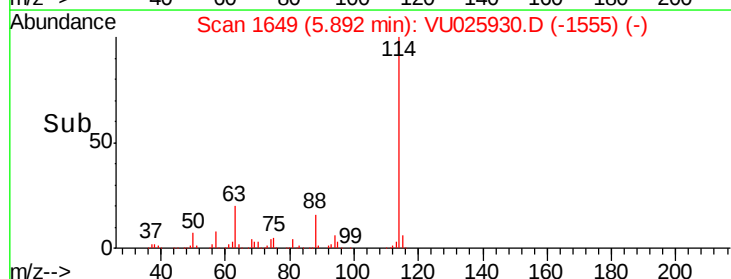
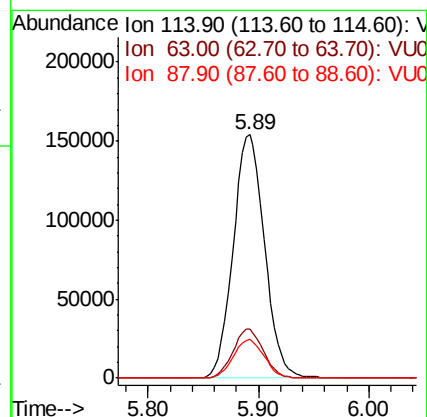
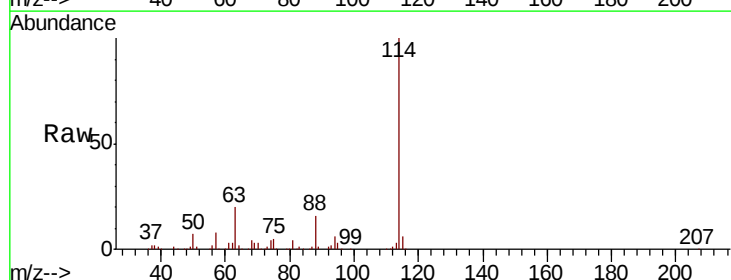
Tgt Ion: 114 Resp: 304031

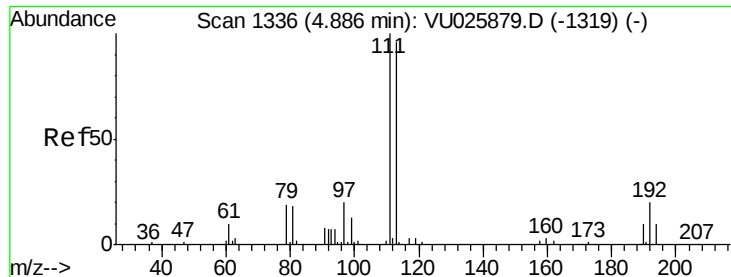
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.53 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

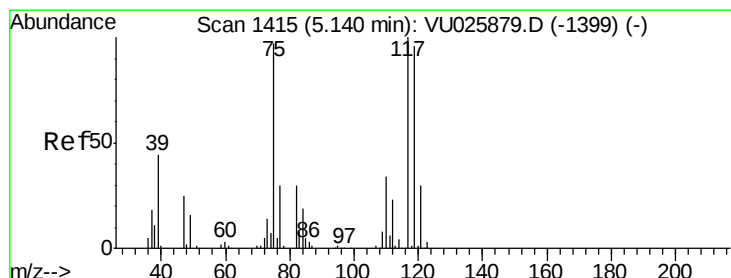
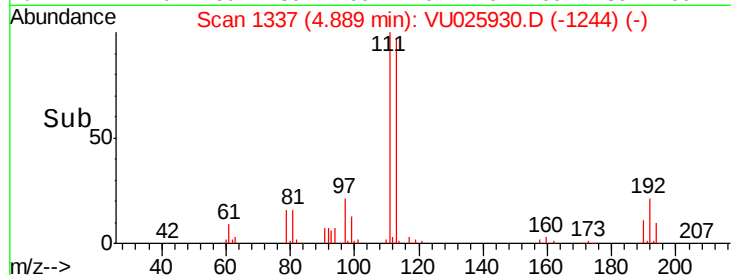
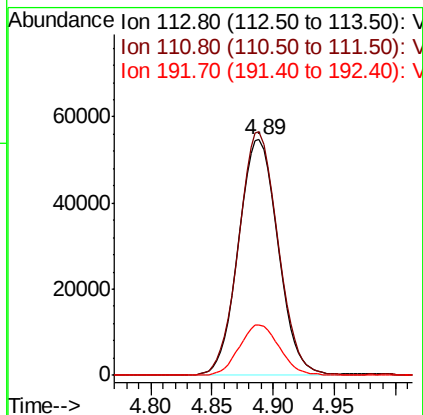
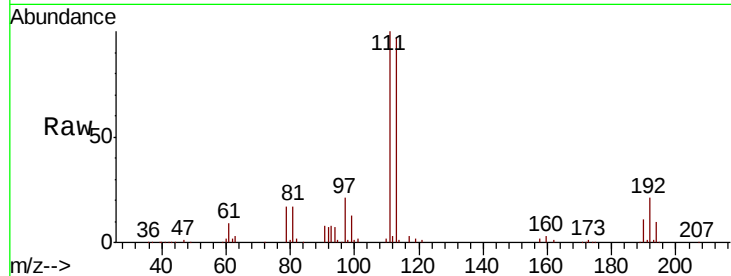
ClientSampleId :

FL-0536MSD

Tot Ion:	113	Resp:	123045
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.7	122.5
192	21.7	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 47.86 ug/l

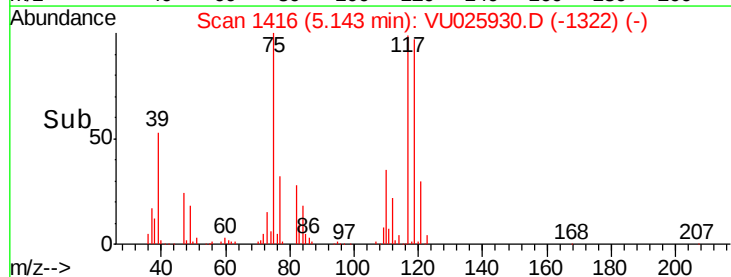
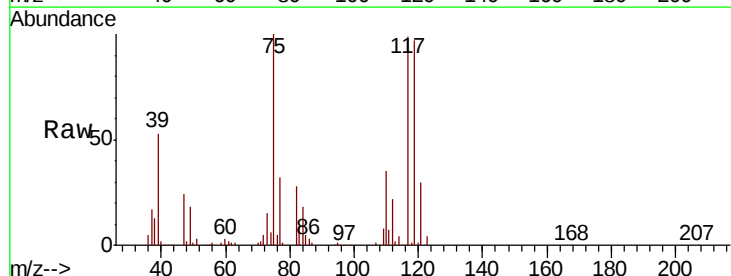
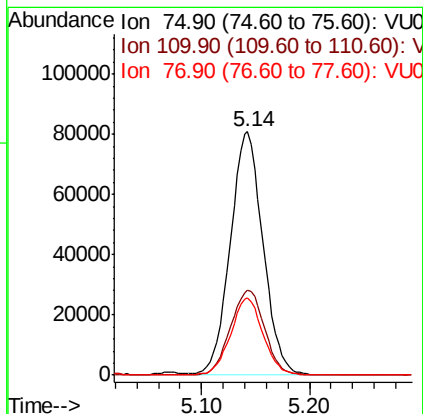
RT: 5.14 min Scan# 1416

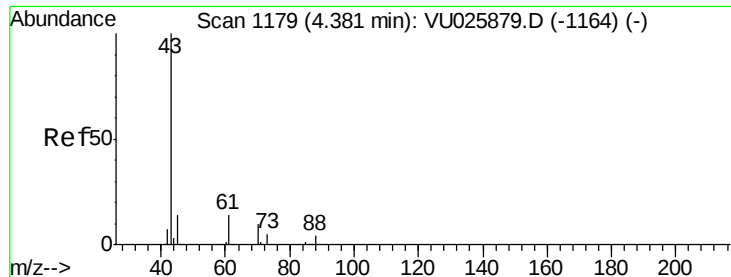
Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	75	Resp:	170038
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.6	52.9
77	31.7	24.4	36.6





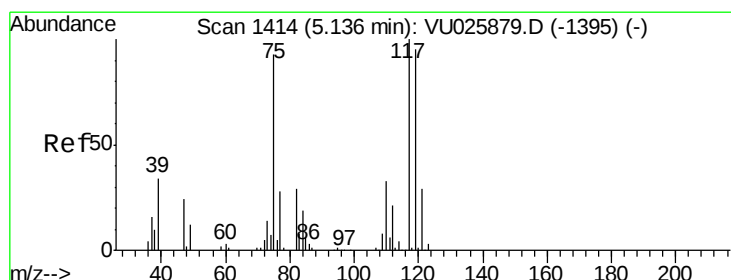
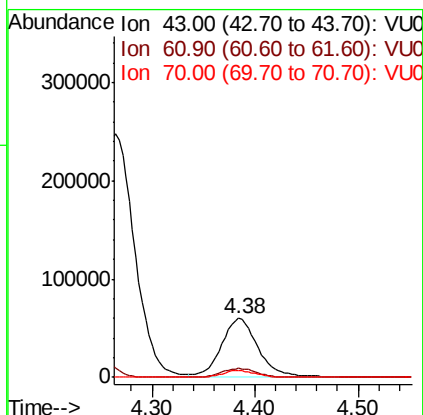
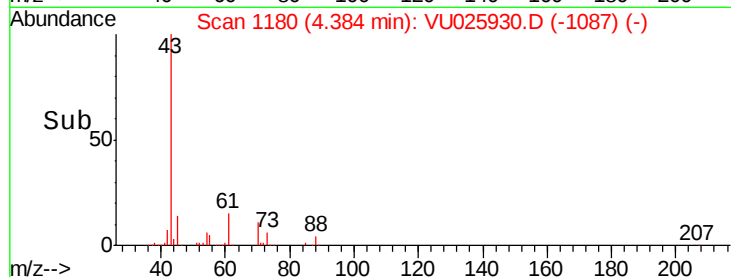
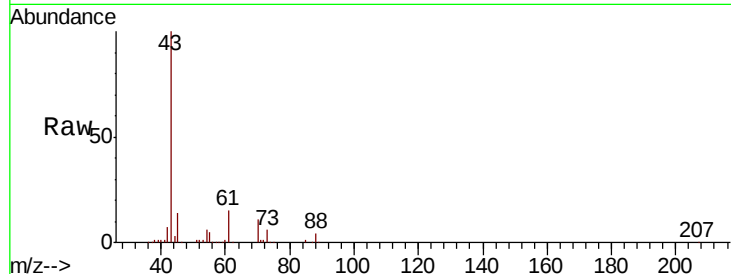
#37
Ethyl Acetate
Concen: 39.33 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.7	16.1
70	10.7	8.4	12.6

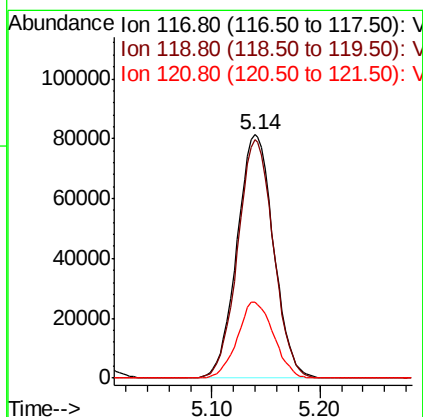
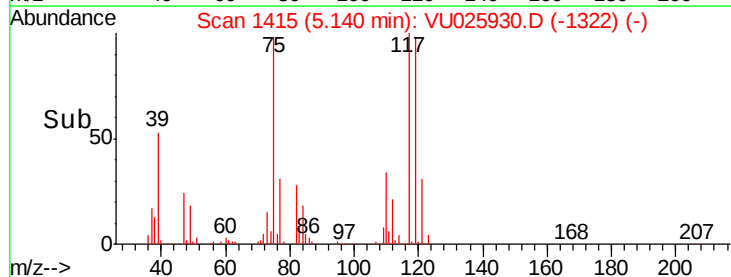
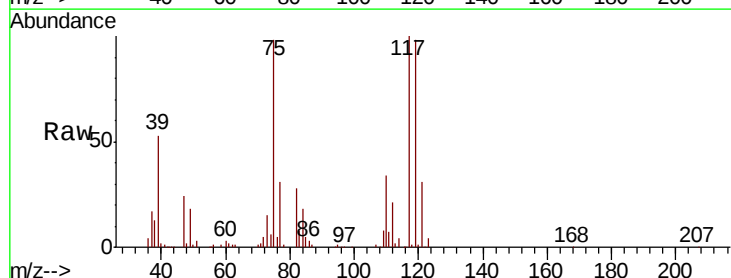
Manual Integrations
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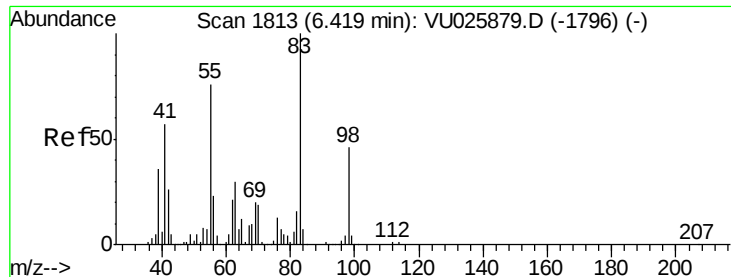
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#38
Carbon Tetrachloride
Concen: 47.60 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
121	31.3	24.6	36.8





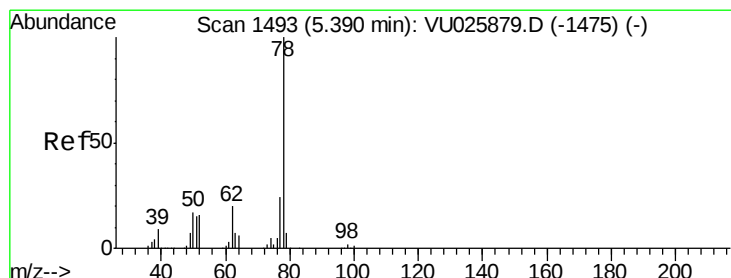
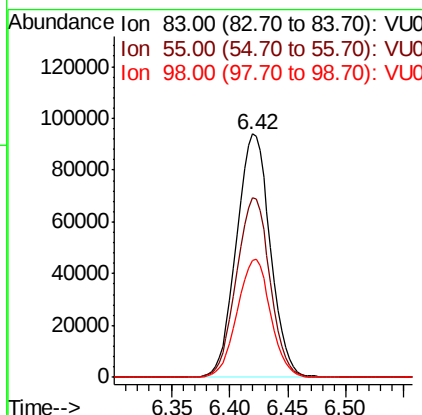
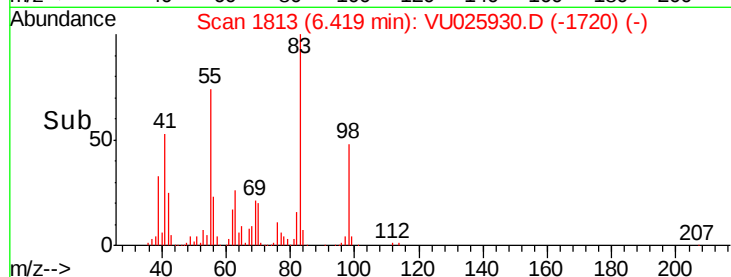
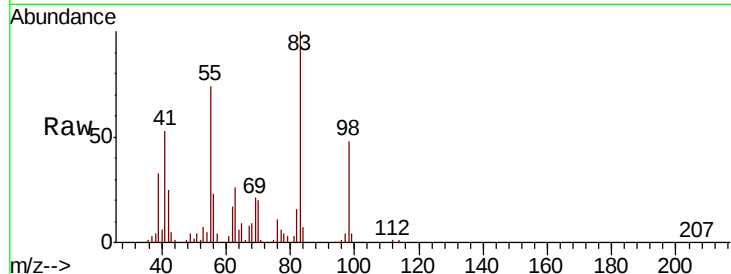
#39
Methvlcvclohexane
Concen: 46.90 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	190948		
55	73.5	60.0	90.0	
98	47.8	36.1	54.1	

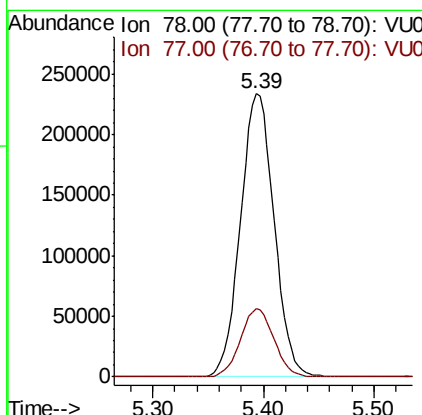
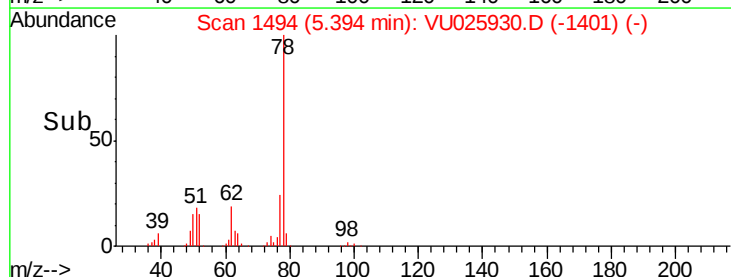
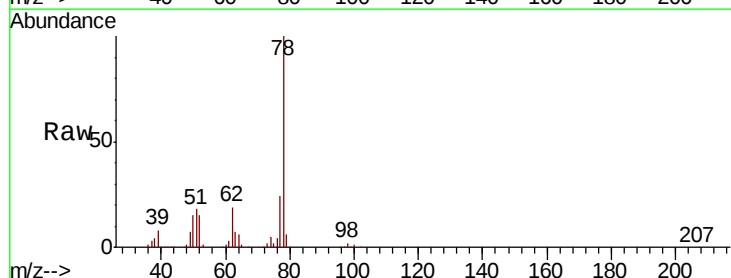
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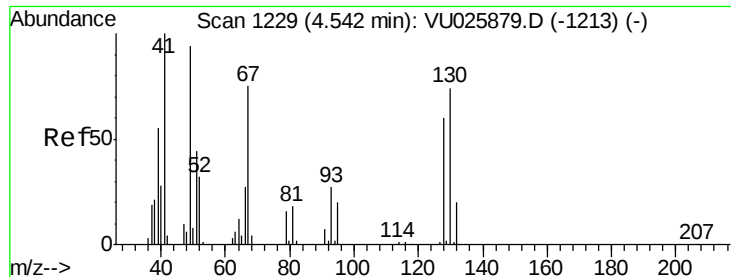
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#40
Benzene
Concen: 47.51 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	493415		
77	24.0	19.8	29.6	





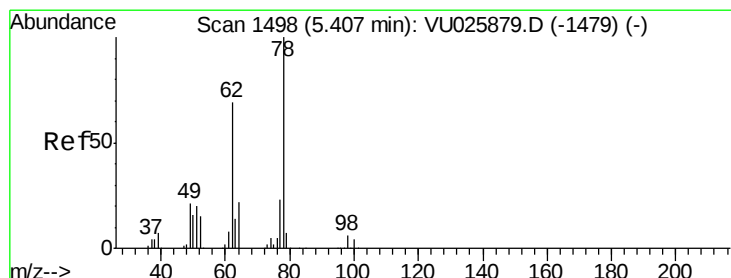
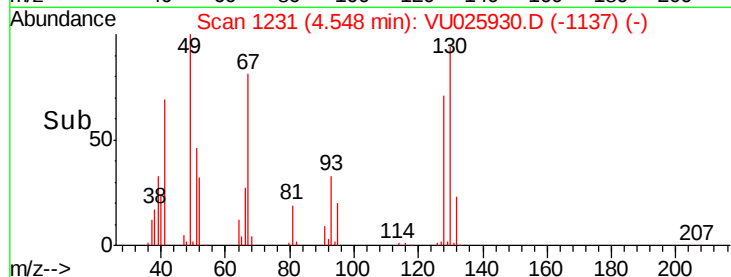
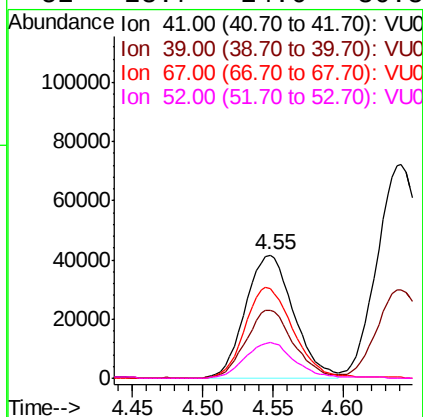
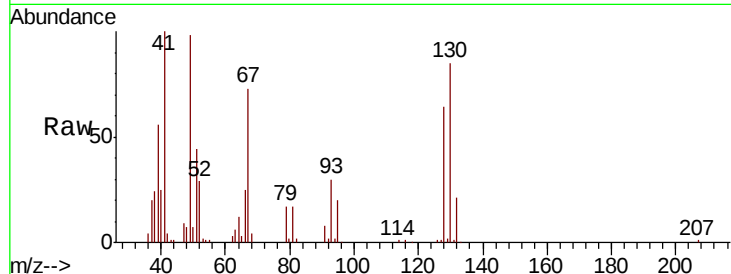
#41
Methacrylonitrile
Concen: 48.68 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampled :
FL-0536MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		99606		
39	54.8	44.4	66.6		
67	74.0	56.0	84.0		
52	28.7	24.6	36.8		

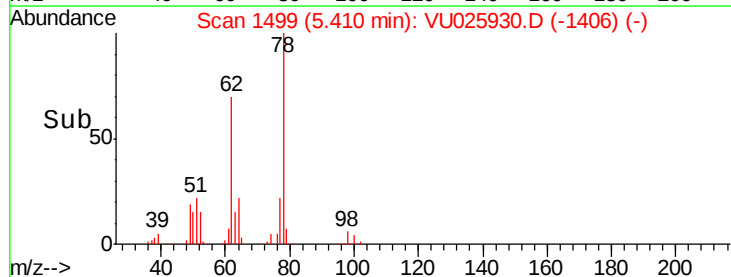
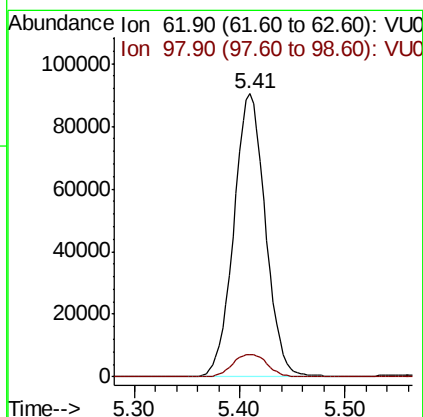
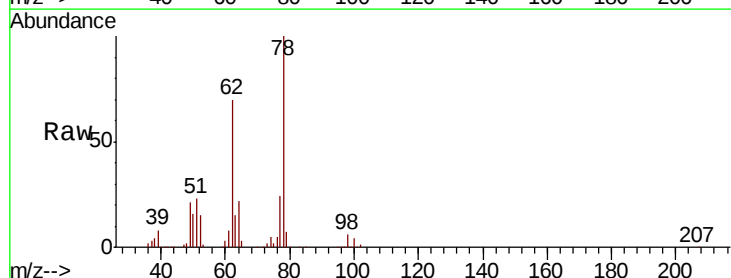
Manual Integrations
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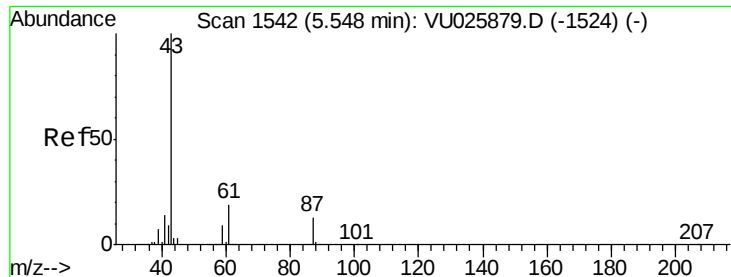
apatel
8/7/2018 2:24:45 PM



#42
1,2-Dichloroethane
Concen: 46.98 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		187874		
98	8.6	0.0	16.4		





#43

Isopropyl Acetate

Concen: 42.12 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

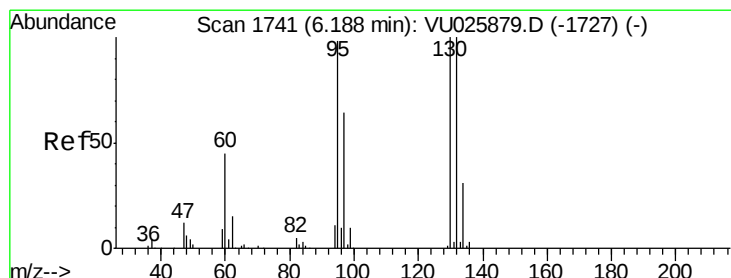
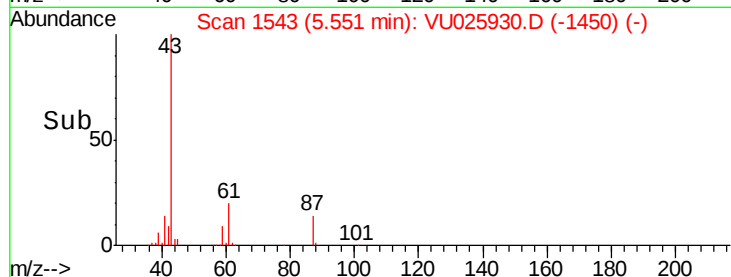
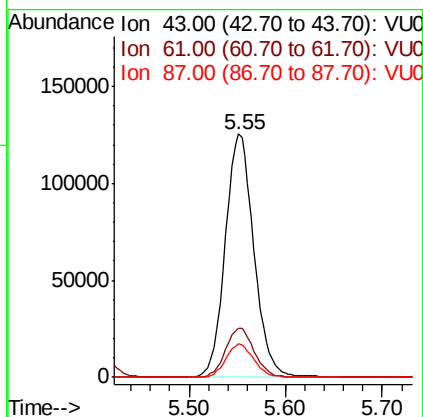
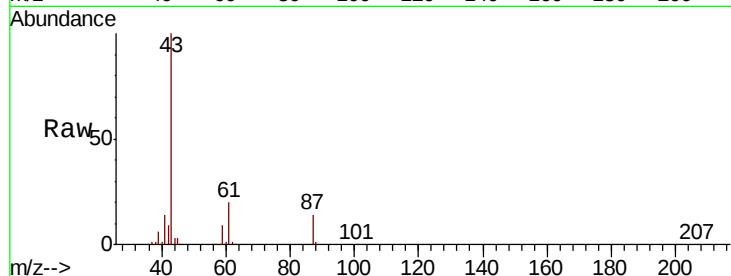
ClientSampleId :

FL-0536MSD

Tot Ion:	43	Resp:	256431
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.5	23.3
87	13.6	10.6	16.0

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#44

Trichloroethene

Concen: 49.02 ug/l

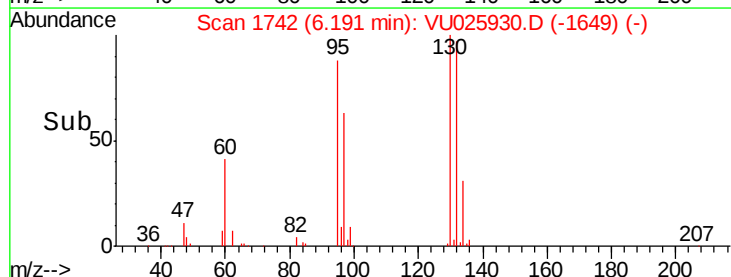
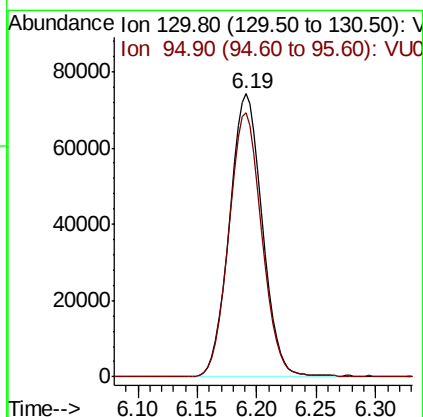
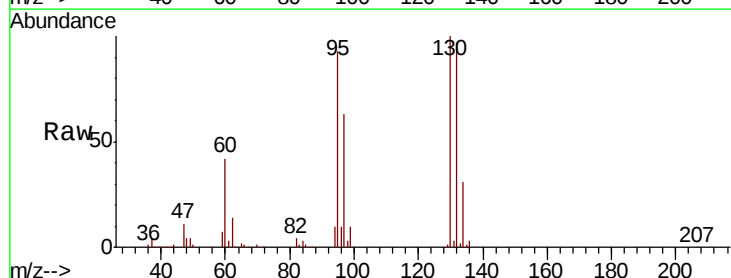
RT: 6.19 min Scan# 1742

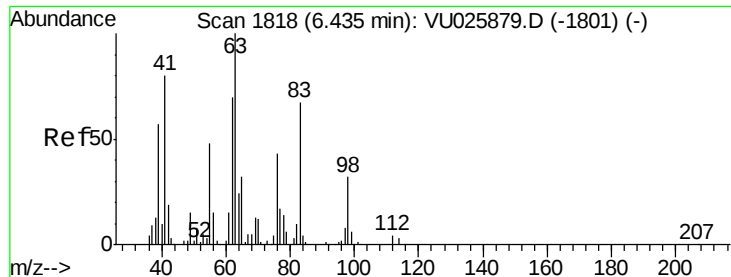
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	130	Resp:	141792
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	192.2





#45

1,2-Dichloropropane

Concen: 47.97 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion: 63 Resp: 129944

Ion Ratio Lower Upper

63 100

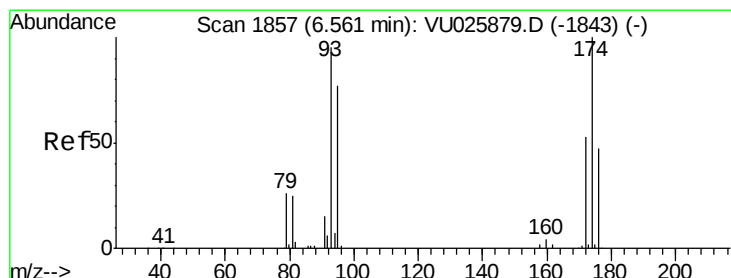
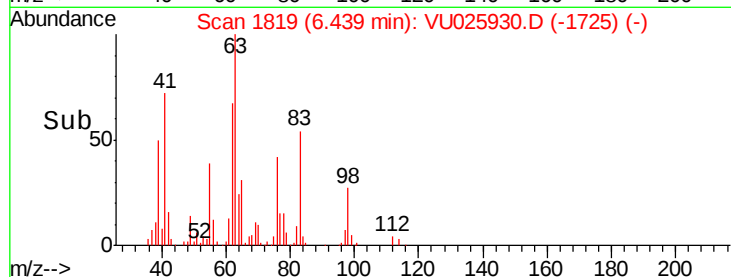
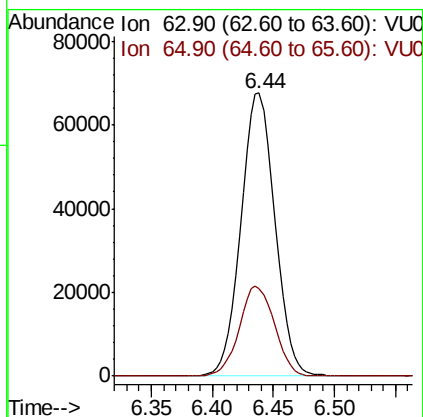
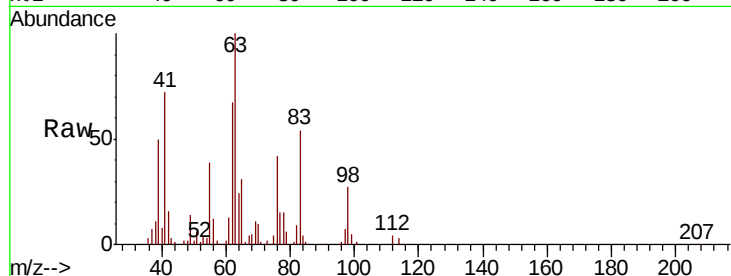
65 30.8 26.1 39.1

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#46

Dibromomethane

Concen: 47.28 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

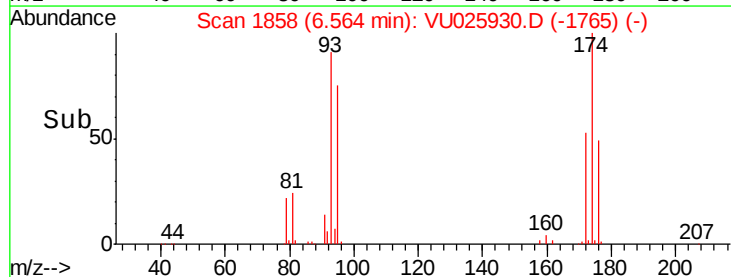
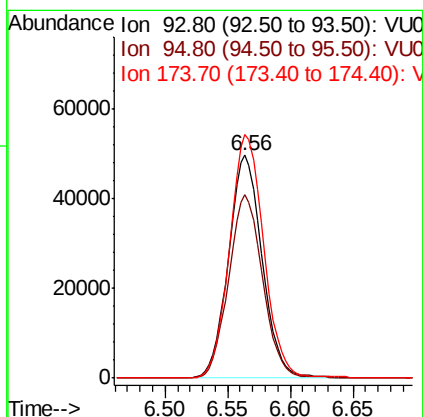
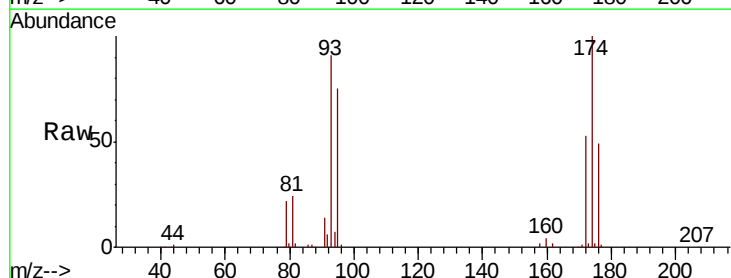
Tgt Ion: 93 Resp: 92797

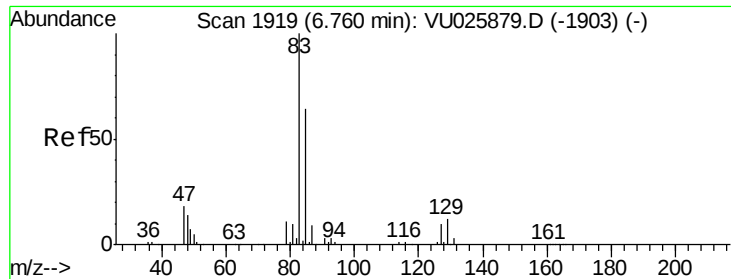
Ion Ratio Lower Upper

93 100

95 83.2 66.6 100.0

174 110.4 85.8 128.8





#47

Bromodichloromethane

Concen: 48.20 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

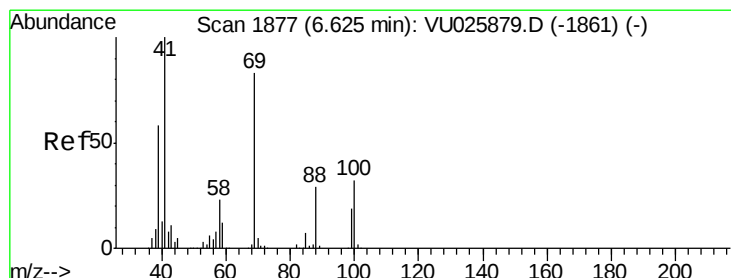
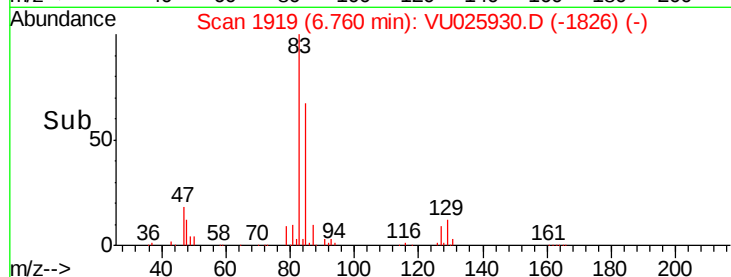
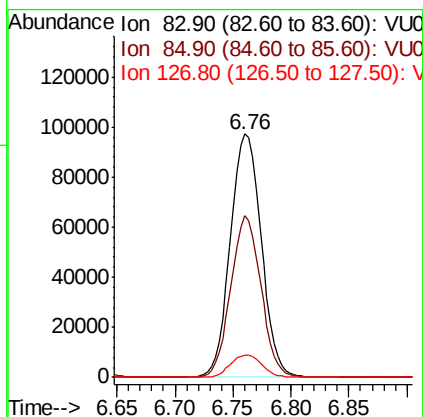
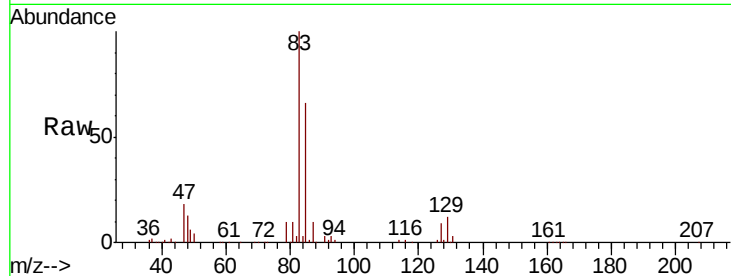
ClientSampleId :

FL-0536MSD

Tot Ion:	83	Resp:	180468
Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.2	75.4
127	9.2	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.61 ug/l

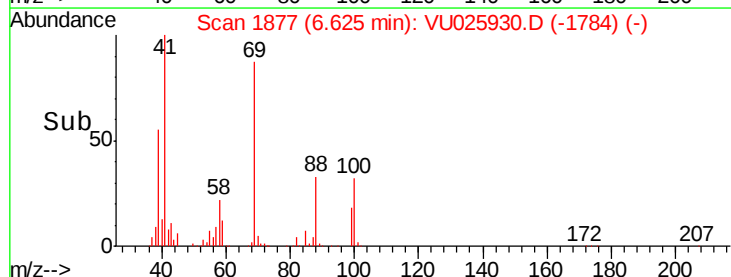
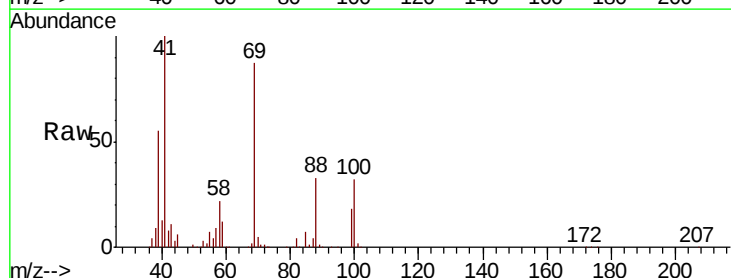
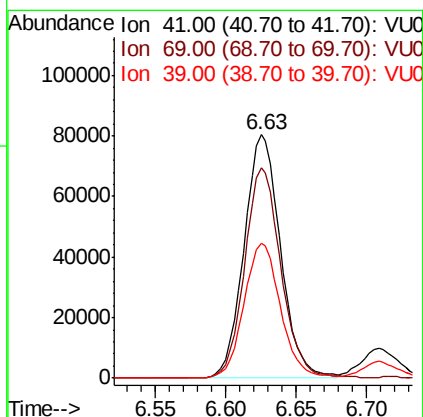
RT: 6.63 min Scan# 1877

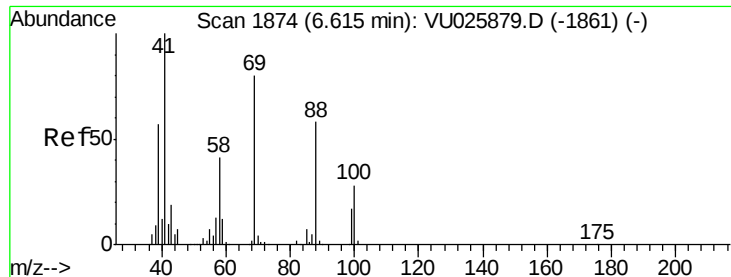
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	41	Resp:	145060
Ion	Ratio	Lower	Upper
41	100		
69	86.7	65.0	97.4
39	55.9	46.4	69.6





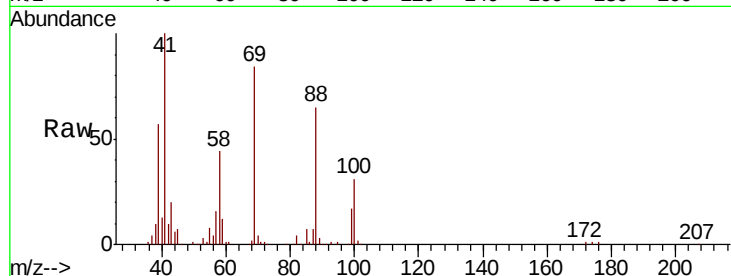
#49
1,4-Dioxane
Concen: 975.48 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampled :
FL-0536MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	27.3	40.9
58	66.9	57.6	86.4

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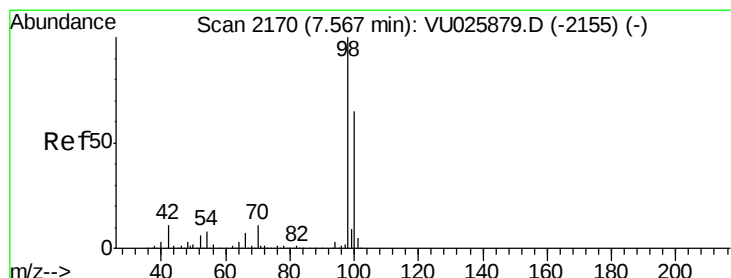
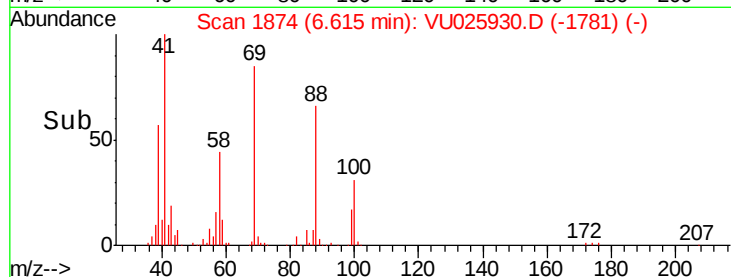
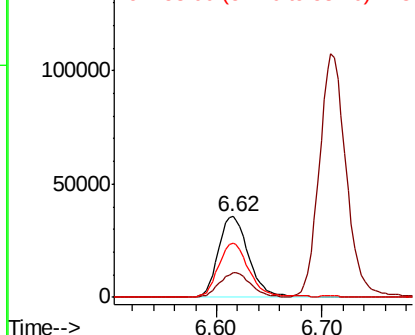


Abundance

Ion 88.00 (87.70 to 88.70): VU025879.D (-1861) (-)

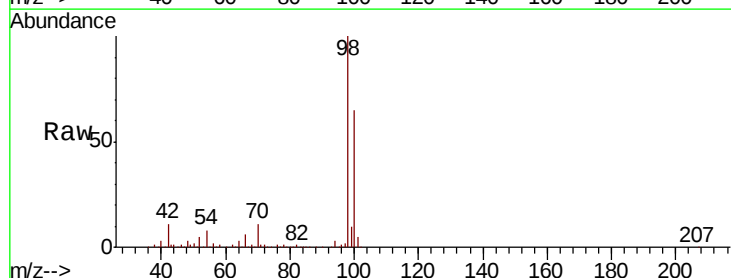
Ion 43.00 (42.70 to 43.70): VU025879.D (-1861) (-)

Ion 58.00 (57.70 to 58.70): VU025879.D (-1861) (-)



#50
Toluene-d8
Concen: 46.20 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

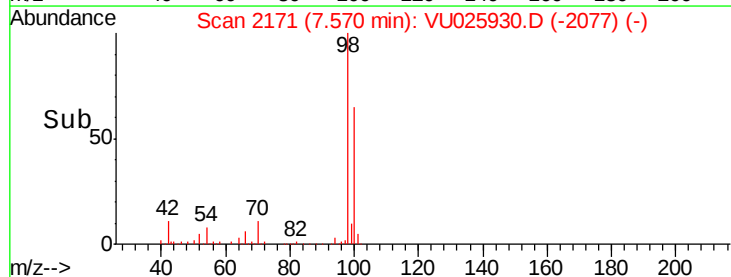
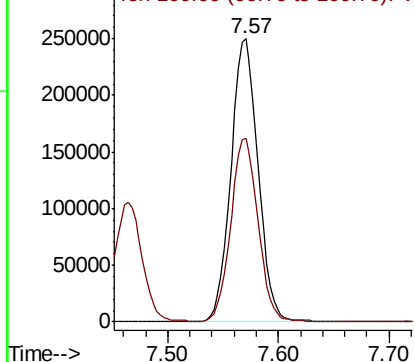
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.1	76.7

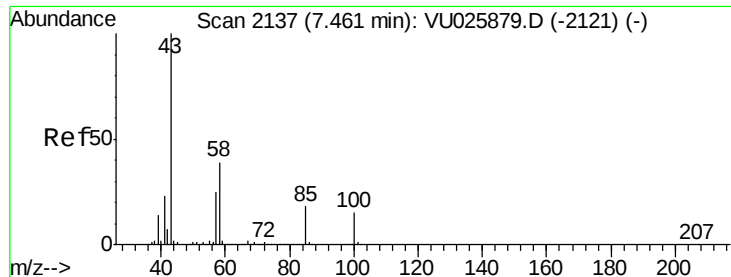


Abundance

Ion 98.00 (97.70 to 98.70): VU025879.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025879.D (-2155) (-)





#51

4-Methyl-2-Pentanone

Concen: 301.48 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion: 43 Resp: 1149079

Ion Ratio Lower Upper

43 100

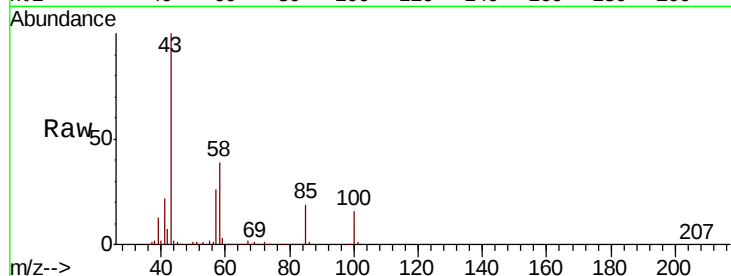
58 39.3 31.0 46.4

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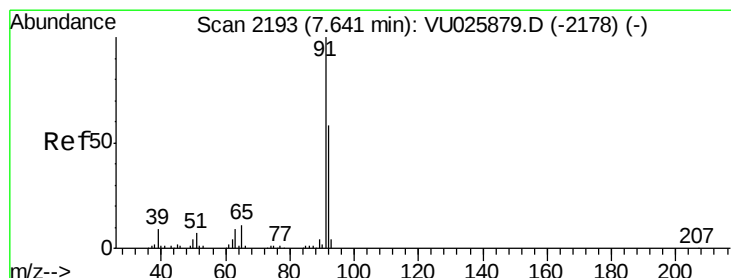
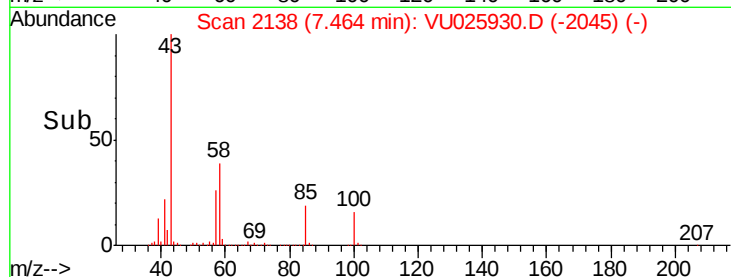
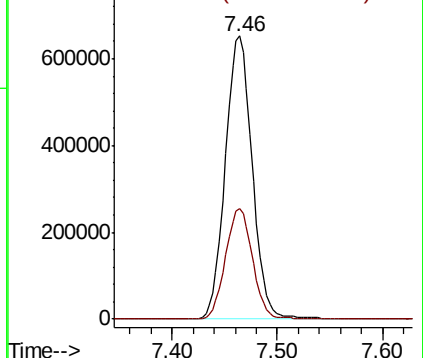
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.08 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025930.D

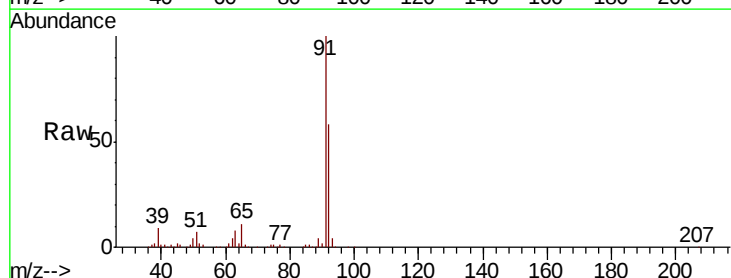
Acq: 07 Aug 2018 09:18

Tgt Ion: 92 Resp: 316680

Ion Ratio Lower Upper

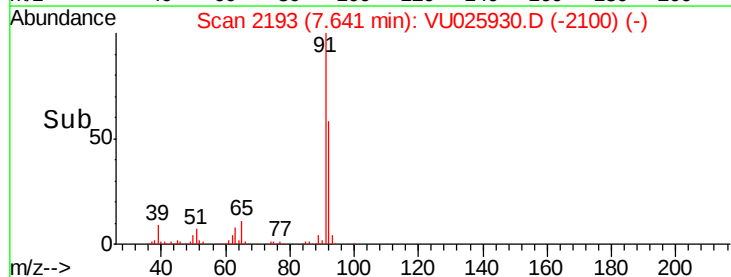
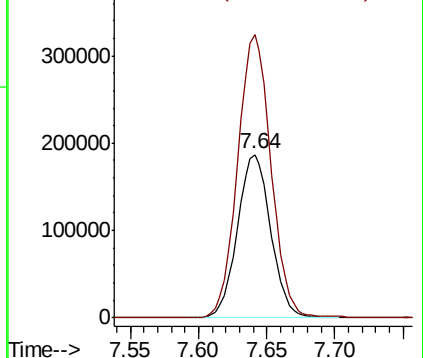
92 100

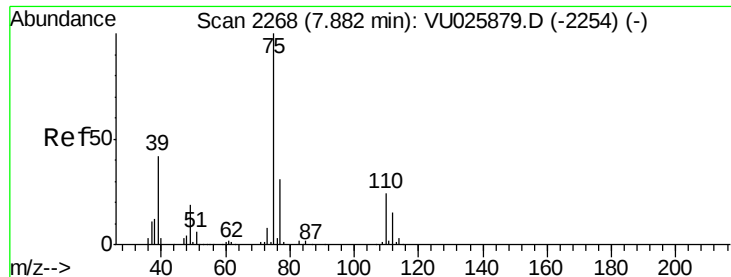
91 174.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 44.62 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

FL-0536MSD

Tot Ion: 75 Resp: 187575

Ion Ratio Lower Upper

75 100

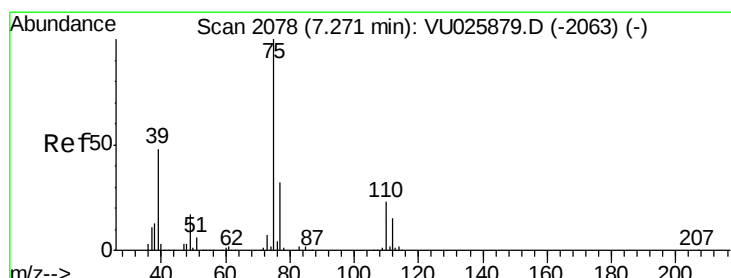
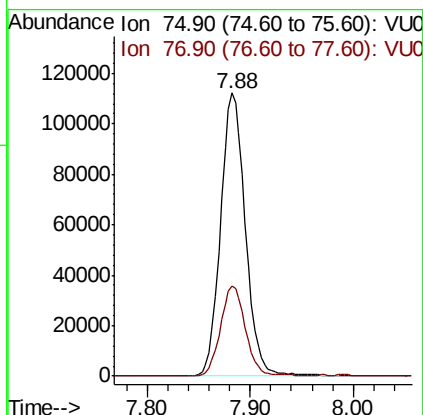
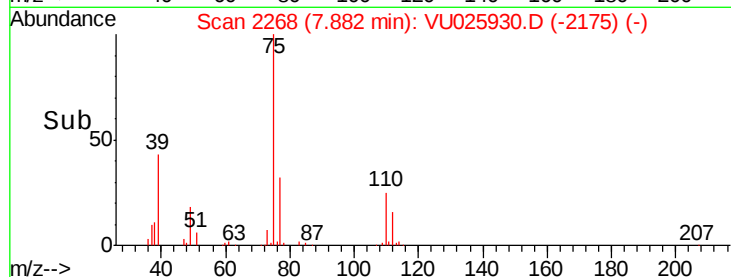
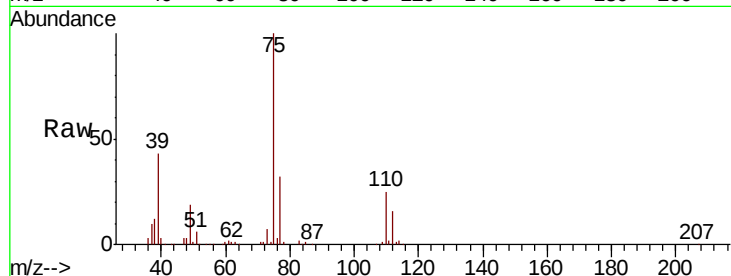
77 31.7 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.69 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

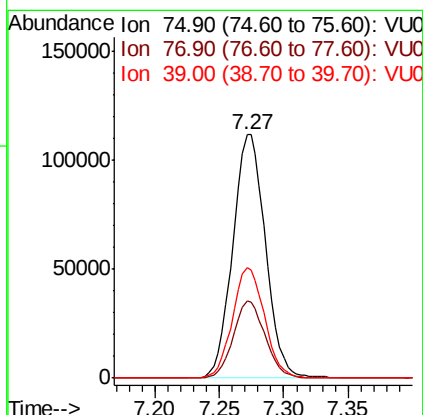
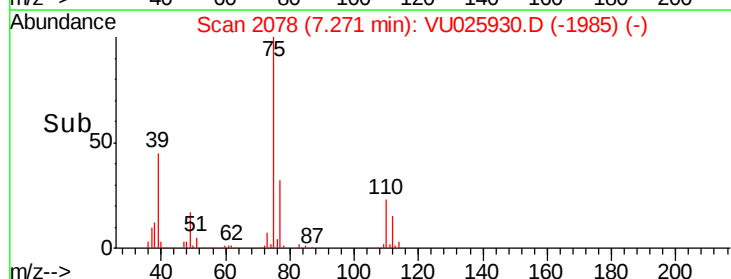
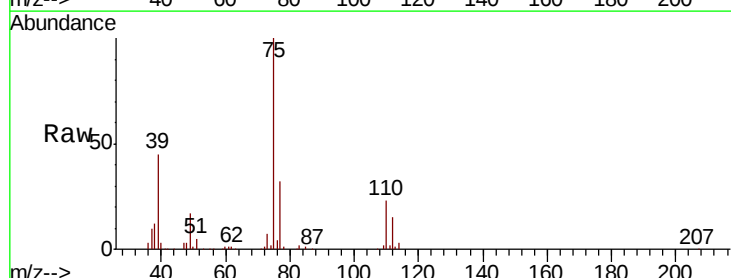
Tgt Ion: 75 Resp: 197276

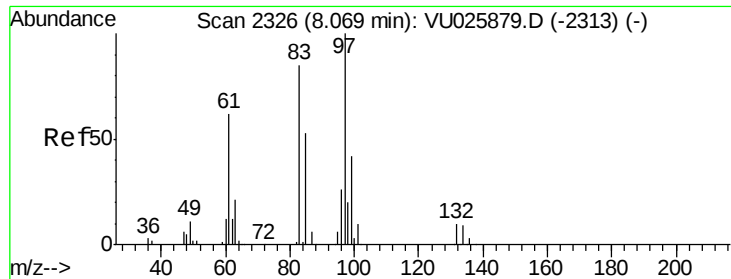
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 45.4 40.0 60.0





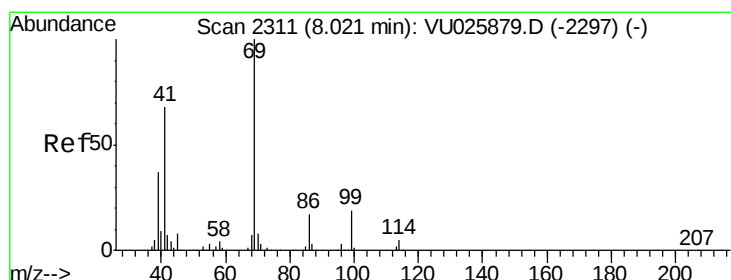
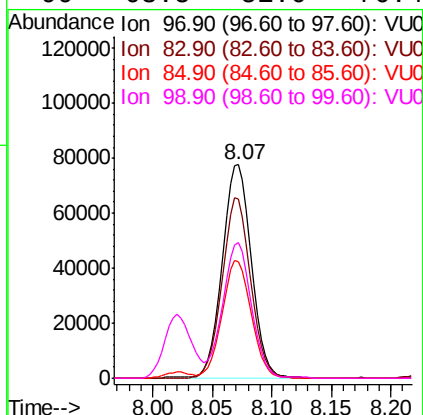
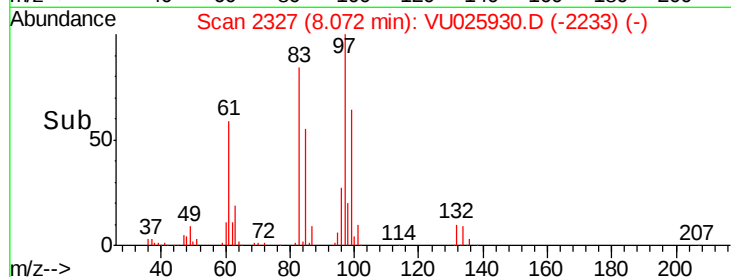
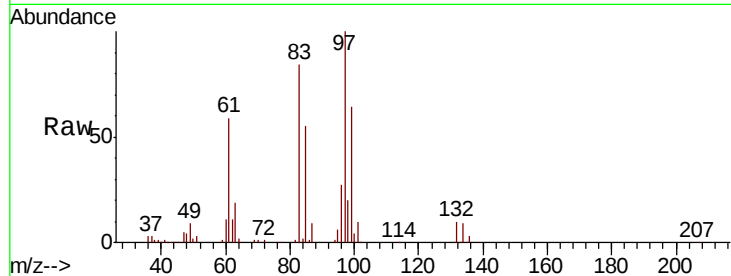
#55
 1,1,2-Trichloroethane
 Concen: 49.11 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Tot Ion:	97	Resp:	131680
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.9	103.3
85	54.8	44.4	66.6
99	63.5	51.0	76.4

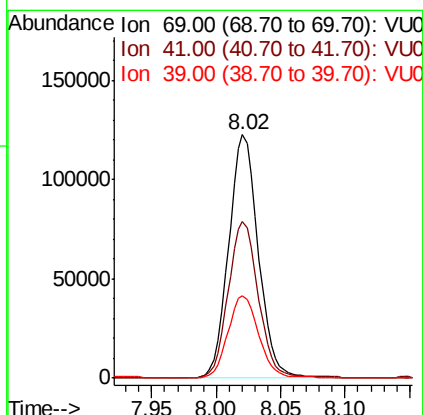
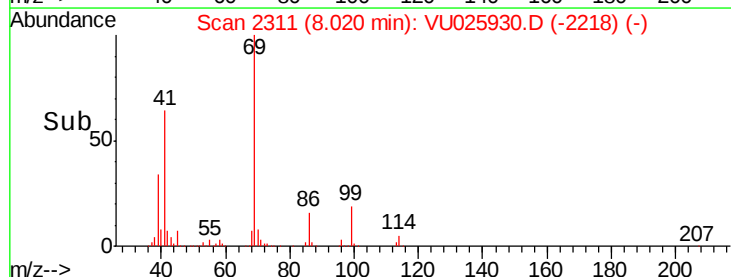
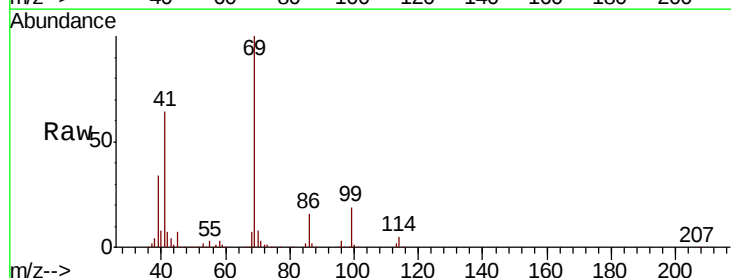
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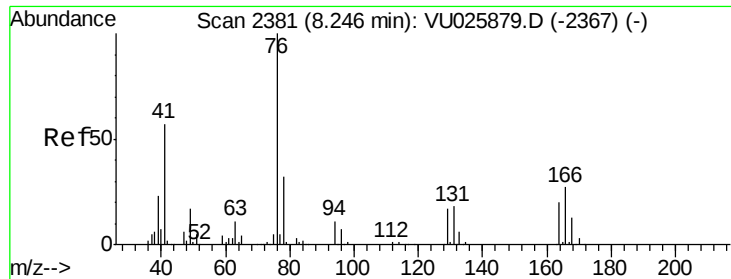
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#56
 Ethyl methacrylate
 Concen: 51.00 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion:	69	Resp:	195391
Ion	Ratio	Lower	Upper
69	100		
41	65.4	54.8	82.2
39	34.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 48.52 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampleId :

FL-0536MSD

Tot Ion: 76 Resp: 218776

Ion Ratio Lower Upper

76 100

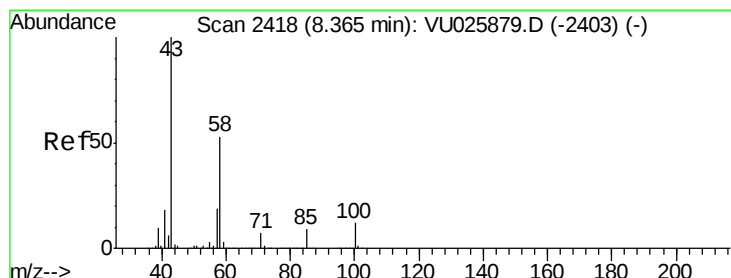
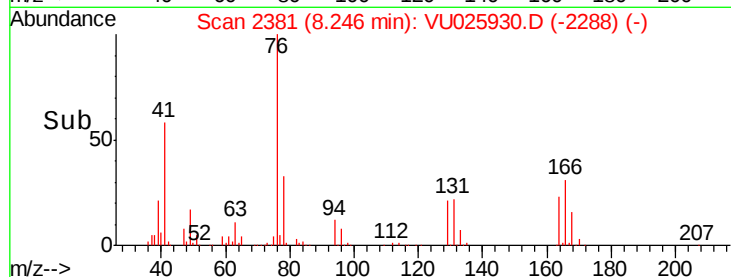
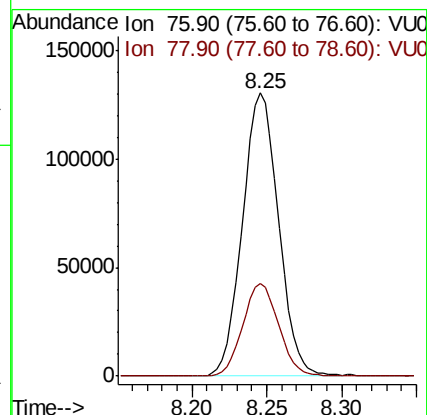
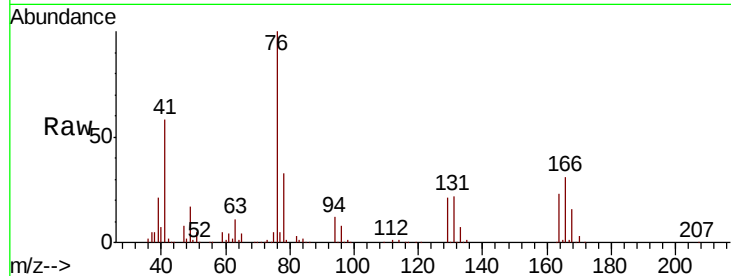
78 32.6 26.1 39.1

Manual Integrations

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#59

2-Hexanone

Concen: 296.97 ug/l

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU025930.D

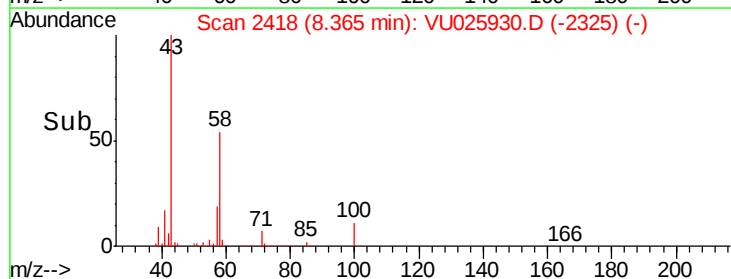
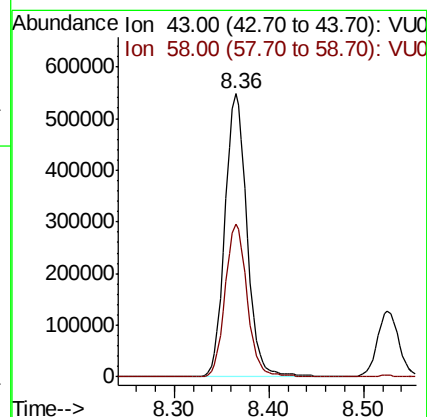
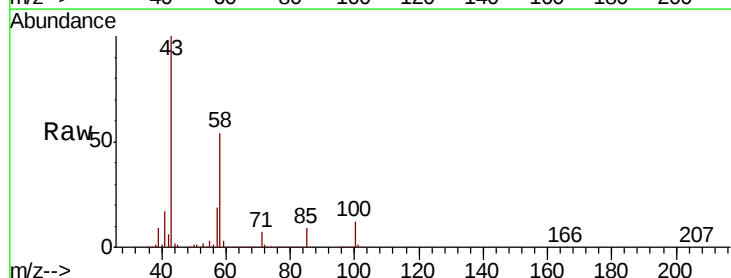
Acq: 07 Aug 2018 09:18

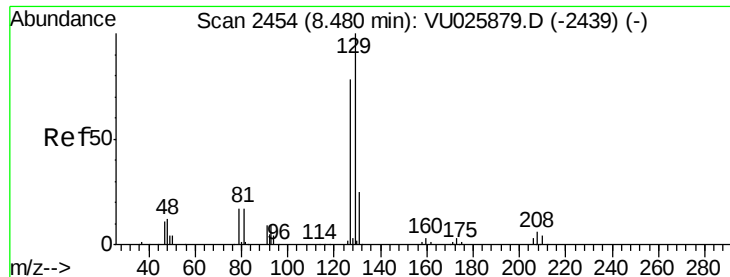
Tgt Ion: 43 Resp: 887269

Ion Ratio Lower Upper

43 100

58 54.2 26.2 78.5





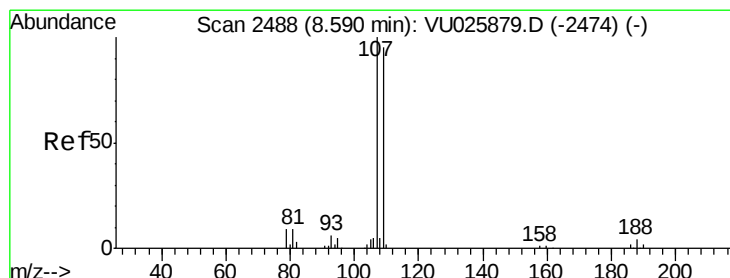
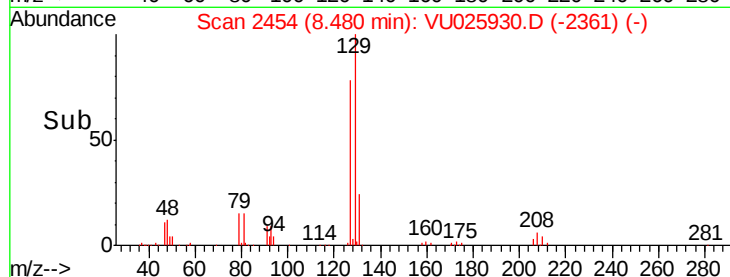
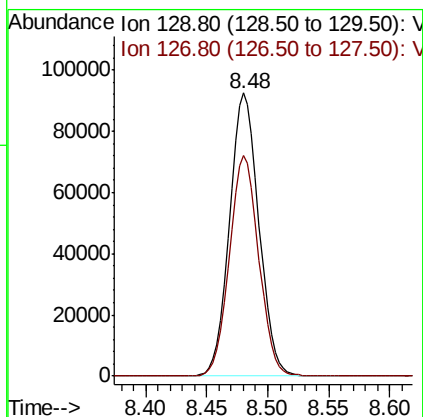
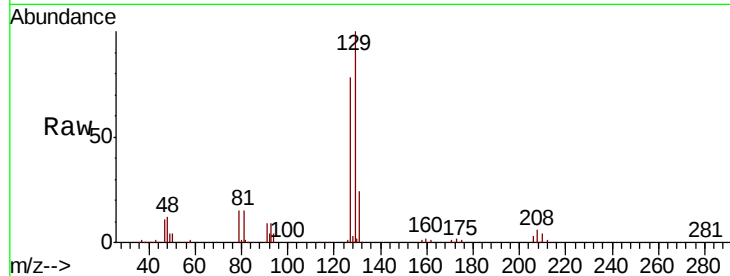
#60
 Dibromochloromethane
 Concen: 49.12 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.6	115.8

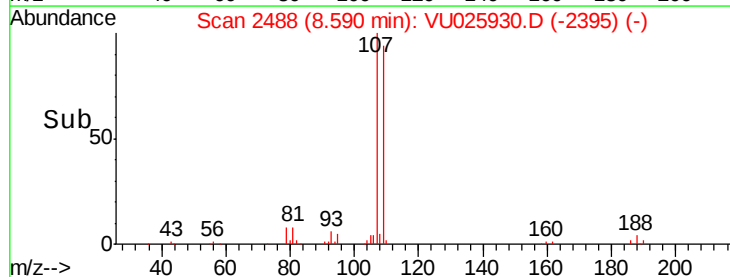
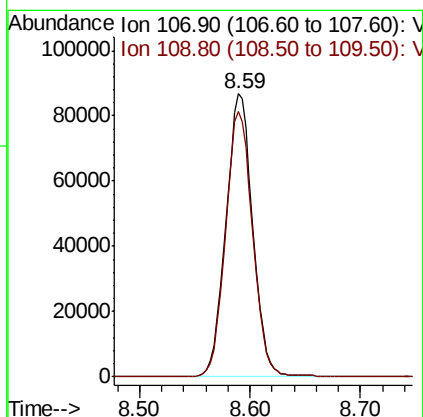
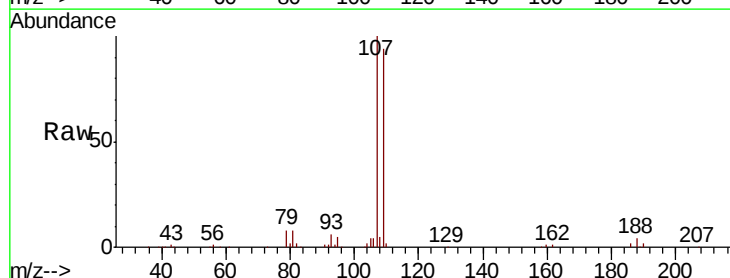
Manual Integrations
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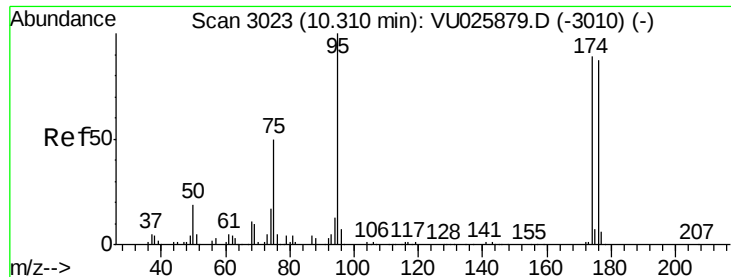
apatel
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#61
 1,2-Dibromoethane
 Concen: 49.14 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.8	113.8





#62

4-Bromofluorobenzene

Concen: 46.18 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

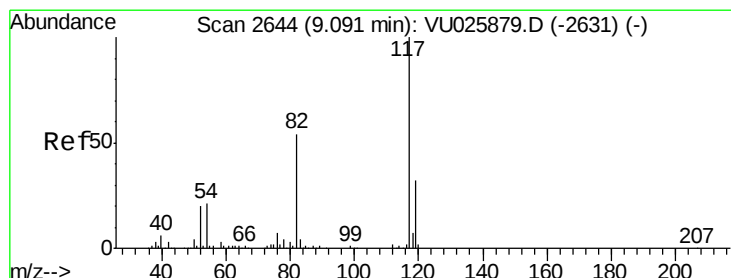
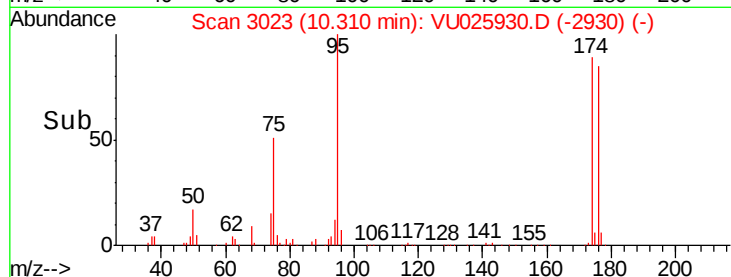
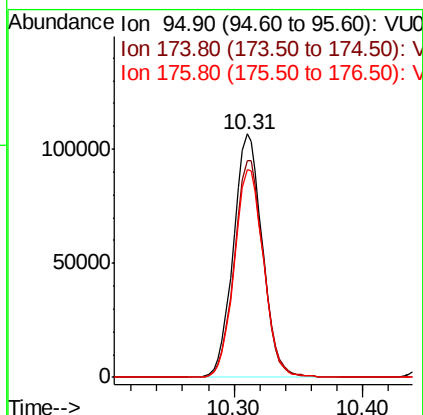
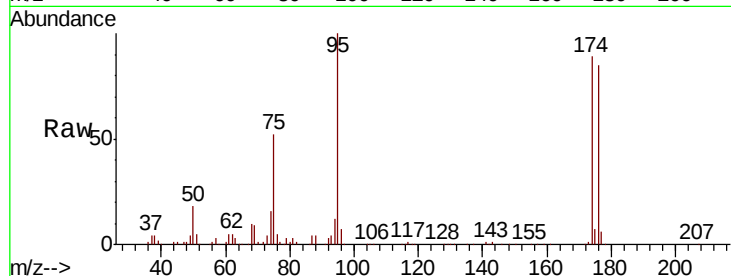
ClientSampleId :

FL-0536MSD

Tot Ion:	95	Resp:	165866
Ion Ratio	Lower	Upper	
95	100		
174	90.1	0.0	172.2
176	86.6	0.0	162.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

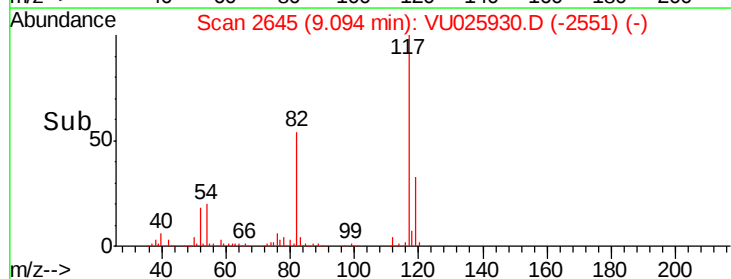
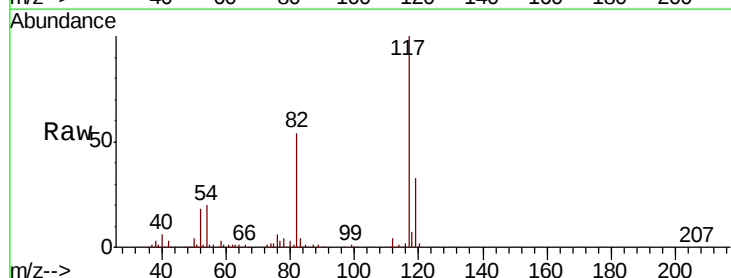
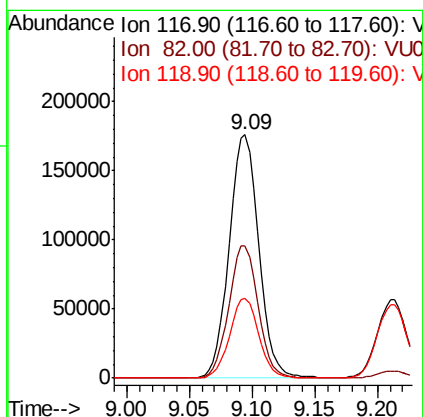
RT: 9.09 min Scan# 2645

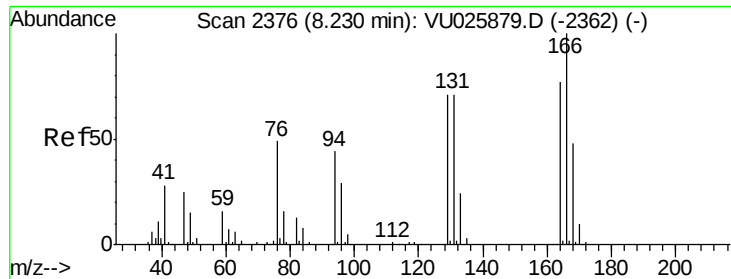
Delta R.T. 0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	117	Resp:	288951
Ion Ratio	Lower	Upper	
117	100		
82	54.3	46.0	69.0
119	33.0	26.0	39.0





#64

Tetrachloroethene

Concen: 48.69 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

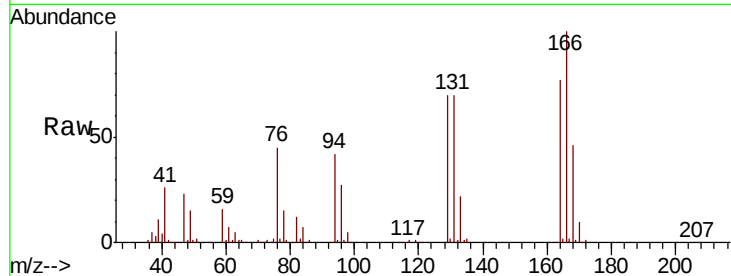
ClientSampled :

FL-0536MSD

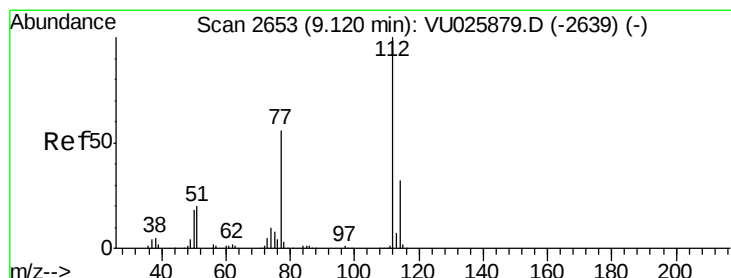
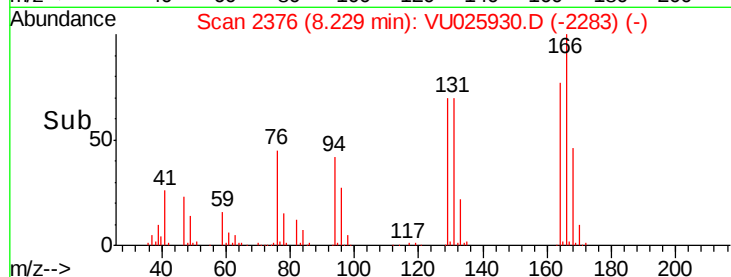
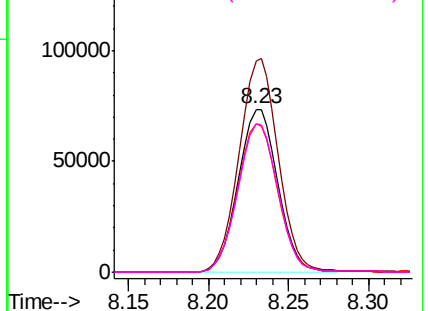
Tot Ion:	164	Resp:	123847
Ion Ratio	Lower	Upper	
164	100		
166	129.8	101.1	151.7
129	91.2	73.0	109.6
131	91.1	72.1	108.1

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Abundance Ion 163.80 (163.50 to 164.50): V
150000
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.58 ug/l

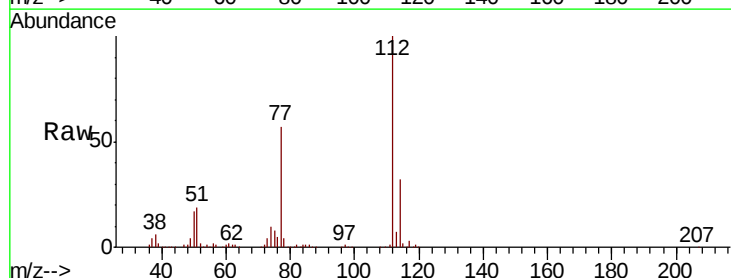
RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

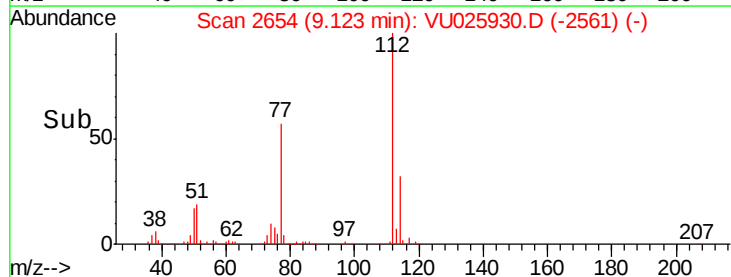
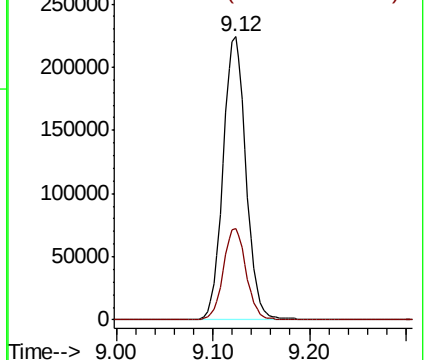
Lab File: VU025930.D

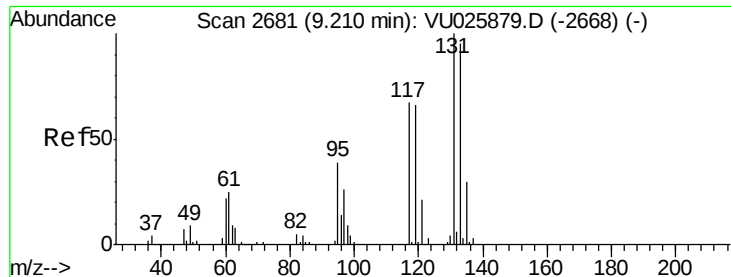
Acq: 07 Aug 2018 09:18

Tgt Ion:	112	Resp:	369368
Ion Ratio	Lower	Upper	
112	100		
114	32.4	25.8	38.8



Abundance Ion 111.90 (111.60 to 112.60): V
250000
Ion 113.90 (113.60 to 114.60): V





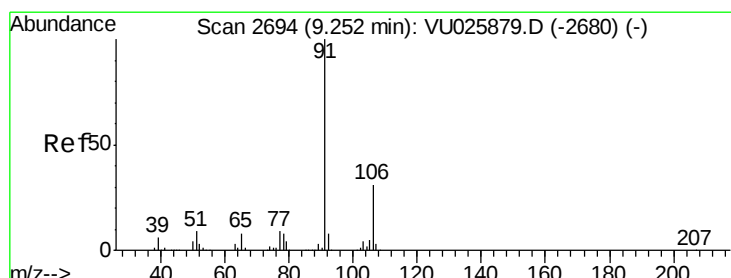
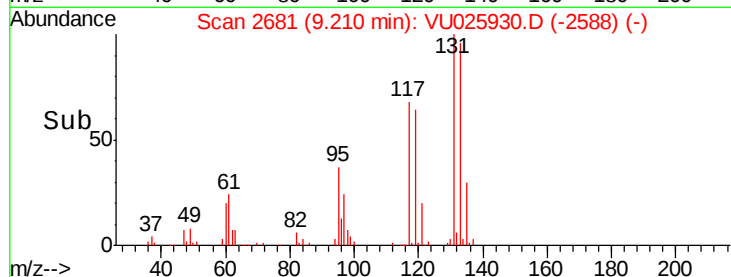
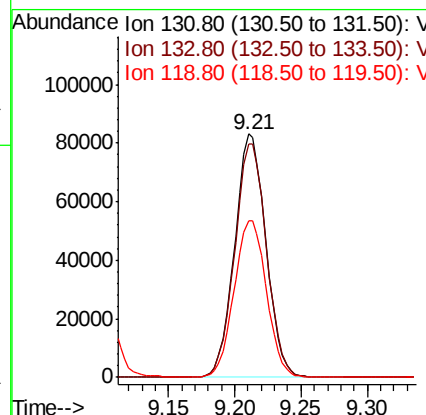
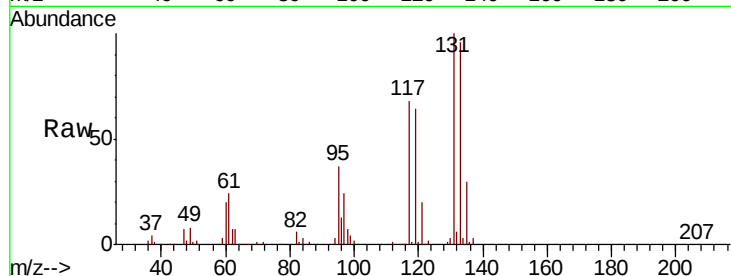
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.52 ug/l
 RT: 9.21 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100			
133	97.6	47.8	143.3	
119	66.7	31.6	95.0	

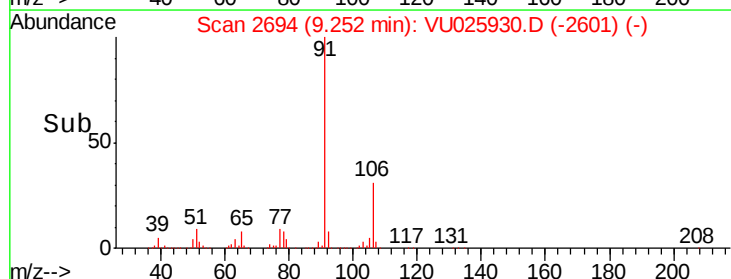
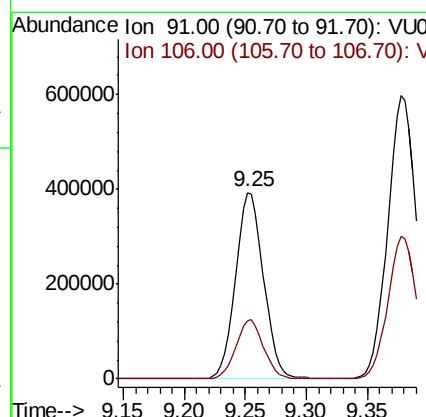
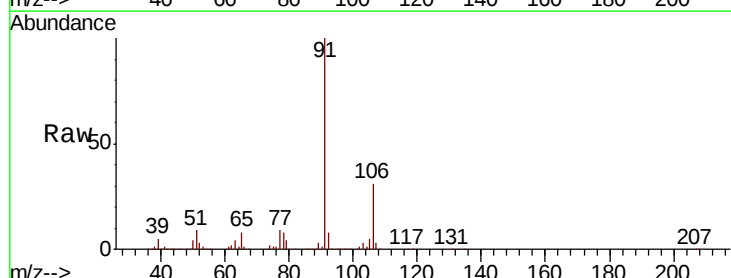
Manual Integrations
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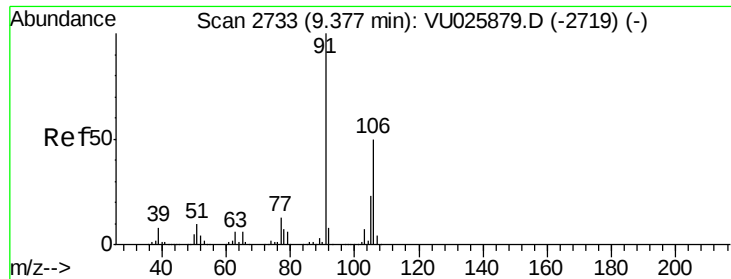
apatel
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#67
 Ethyl Benzene
 Concen: 51.02 ug/l
 RT: 9.25 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	31.4	25.3	37.9	





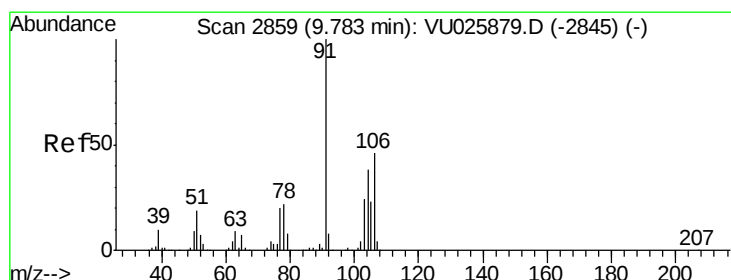
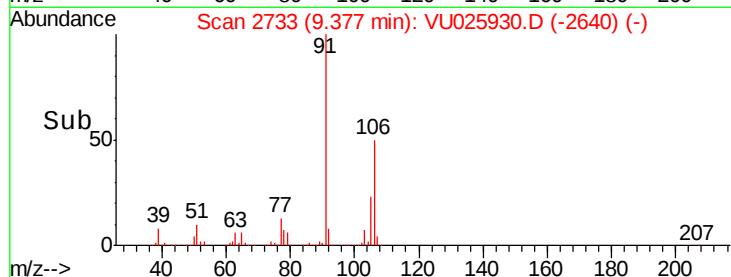
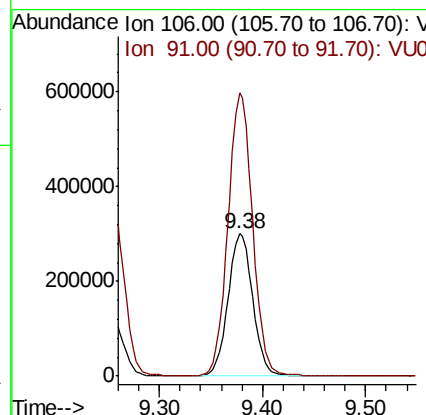
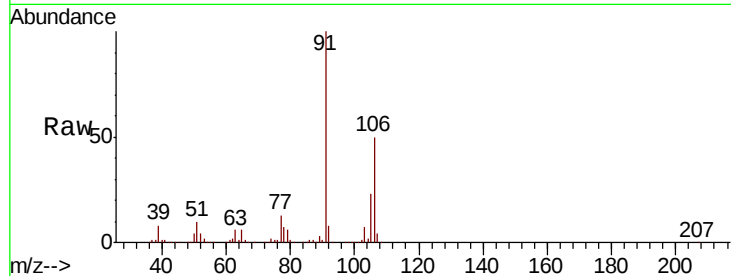
#68
m/p-Xylenes
Concen: 105.75 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampleId :
FL-0536MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		501006		
91	198.6	162.3	243.5		

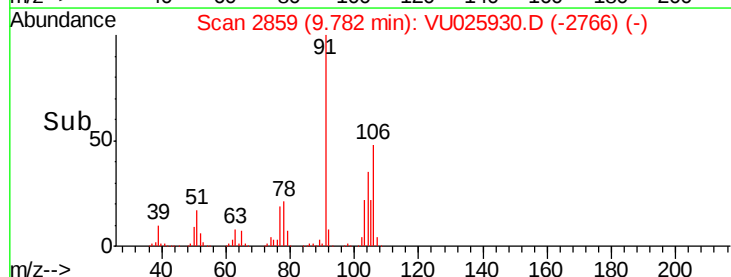
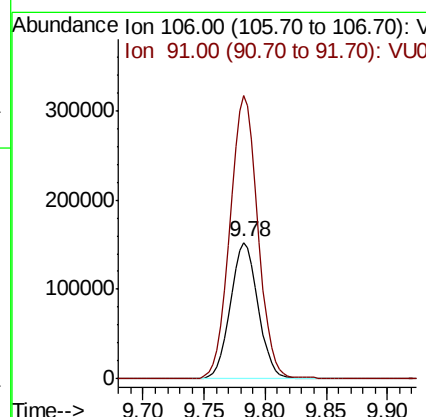
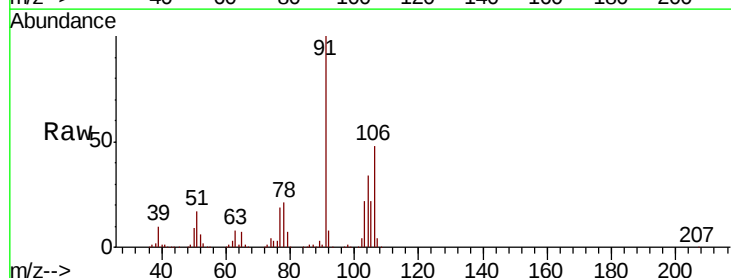
Manual Integrations
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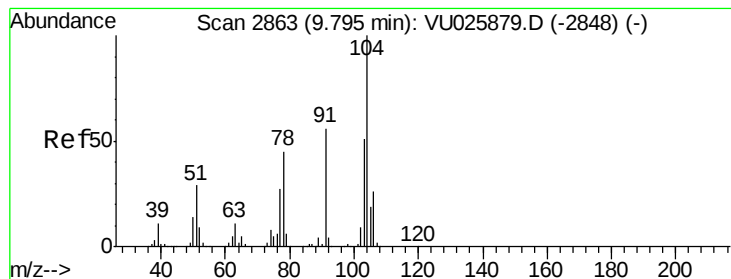
apatel
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#69
o-Xylene
Concen: 52.35 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		242379		
91	209.9	105.3	315.8		





#70

Stvrene

Concen: 52.15 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

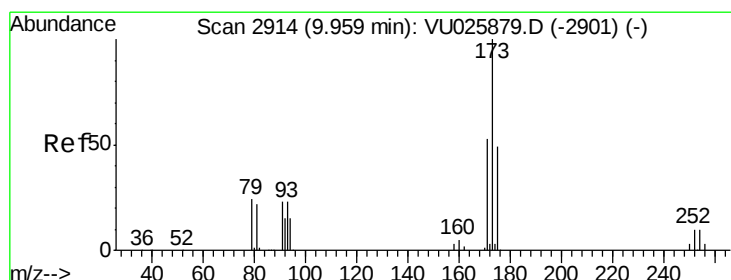
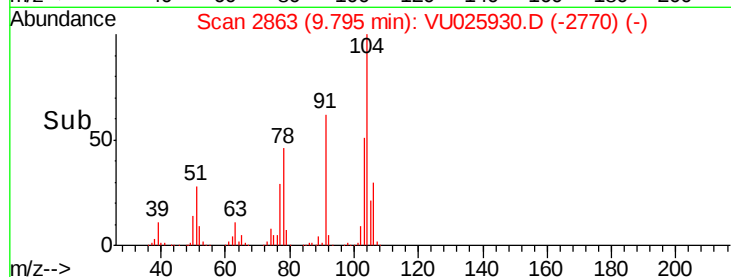
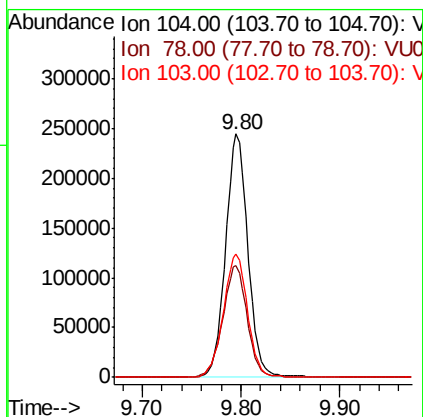
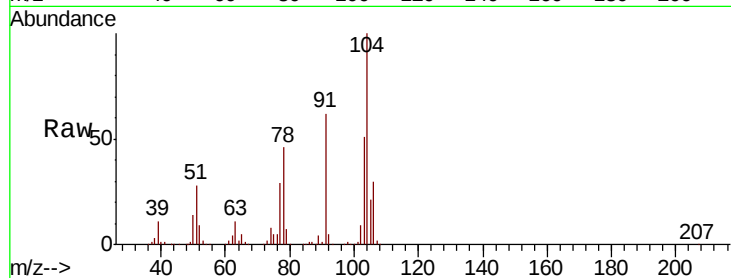
ClientSampleId :

FL-0536MSD

Tot Ion:	104	Resp:	390012
Ion Ratio	Lower	Upper	
104	100		
78	49.9	41.6	62.4
103	54.8	44.6	66.8

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#71

Bromoform

Concen: 53.20 ug/l

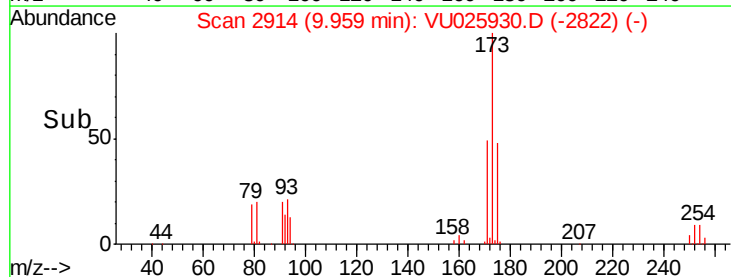
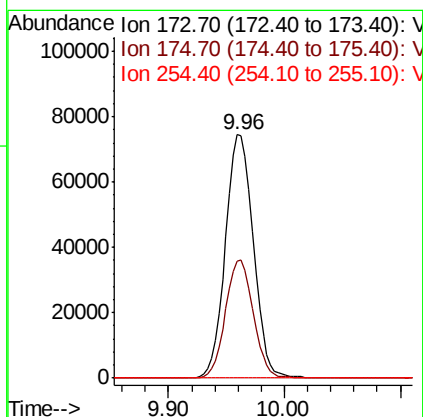
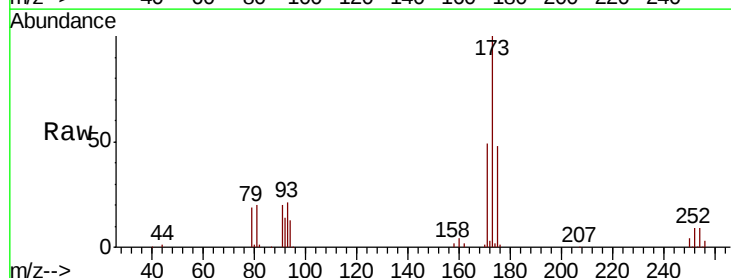
RT: 9.96 min Scan# 2914

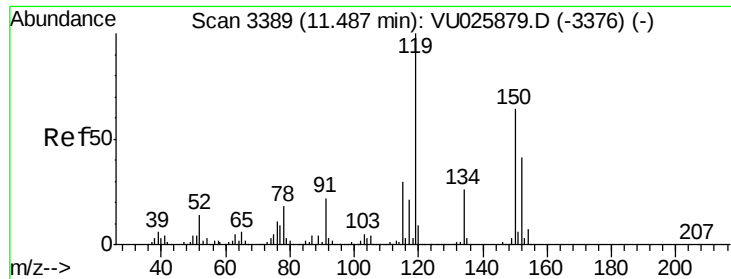
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	173	Resp:	124315
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.0	72.0
254	0.1	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

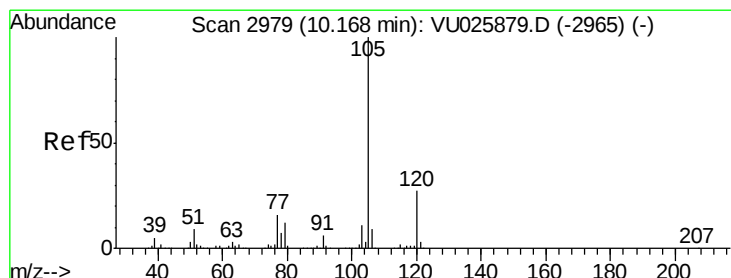
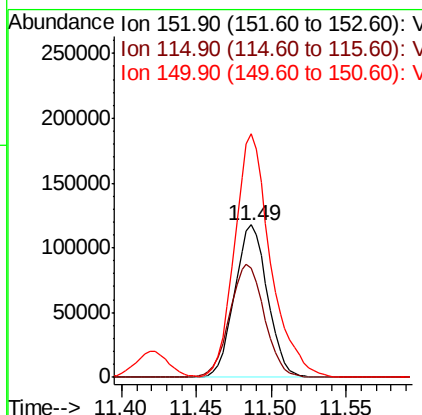
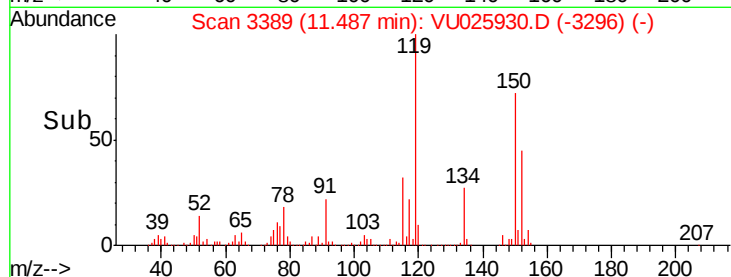
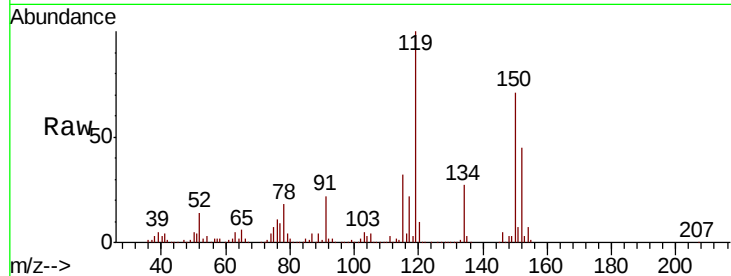
ClientSampleId :

FL-0536MSD

Tot Ion:	152	Resp:	180511
Ion Ratio	Lower	Upper	
152	100		
115	78.1	40.1	120.3
150	174.2	0.0	351.4

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#73

Isopropylbenzene

Concen: 51.60 ug/l

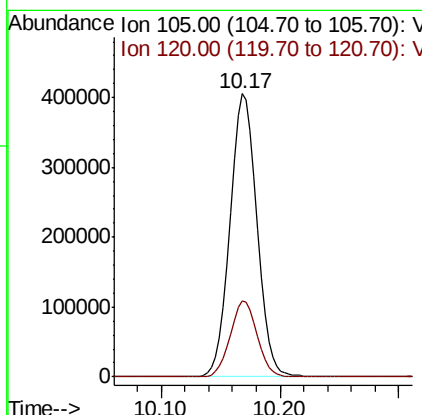
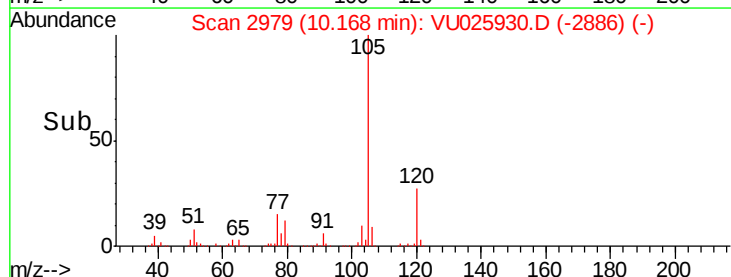
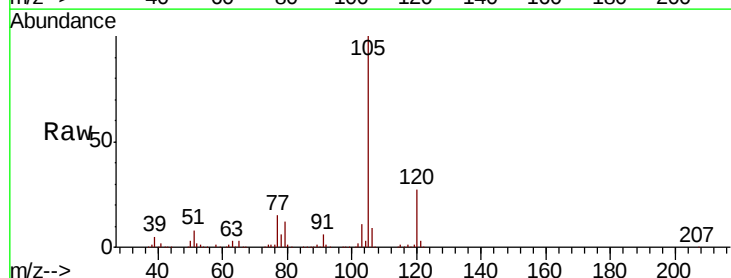
RT: 10.17 min Scan# 2979

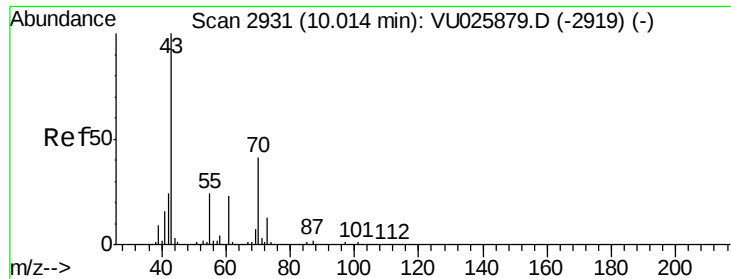
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion:	105	Resp:	635758
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.5	40.5





#74

N-amvl acetate

Concen: 39.93 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

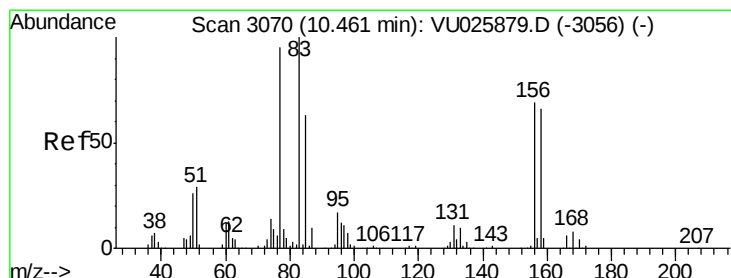
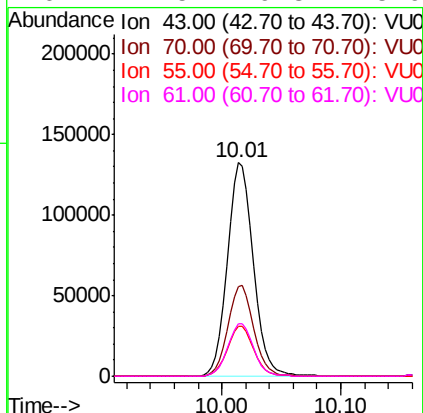
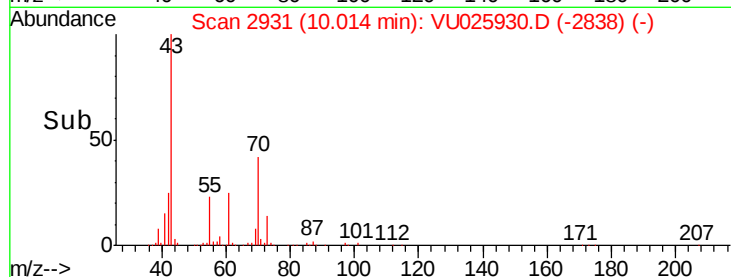
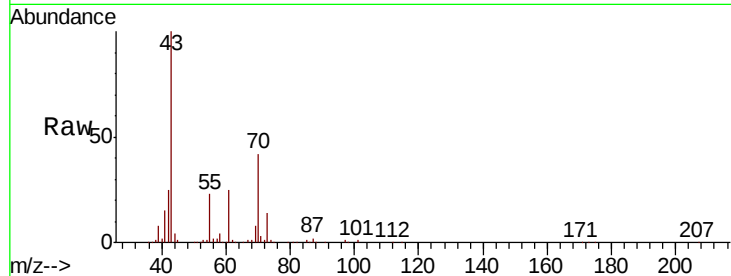
ClientSampleId :

FL-0536MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	42.3	33.4	50.2
55	23.9	19.0	28.6
61	24.5	19.3	28.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.06 ug/l

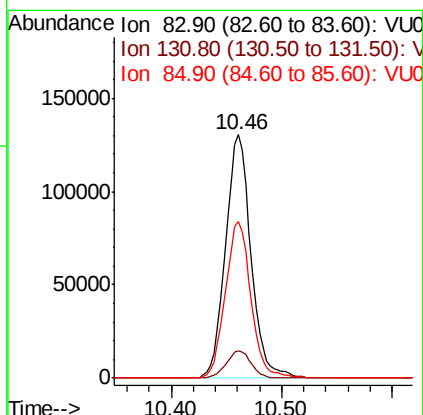
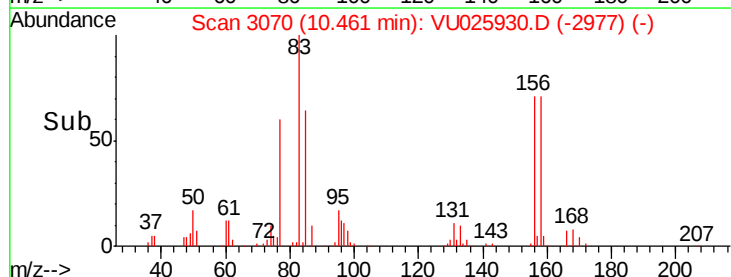
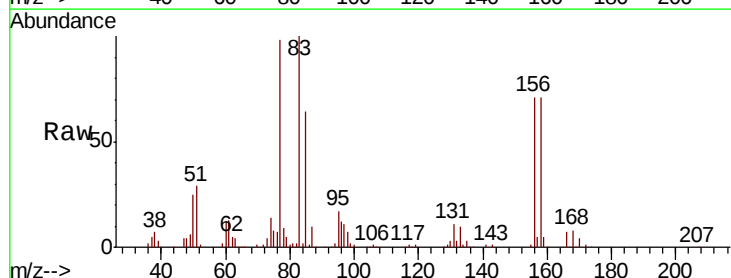
RT: 10.46 min Scan# 3070

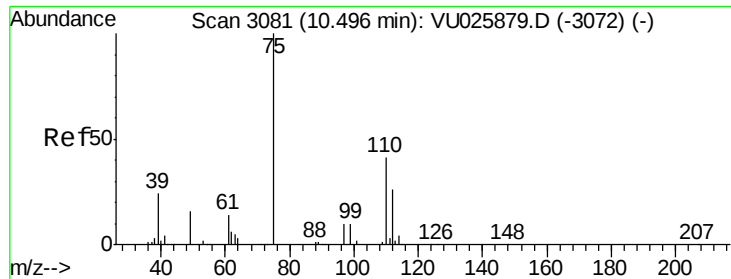
Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.9	31.6	94.8





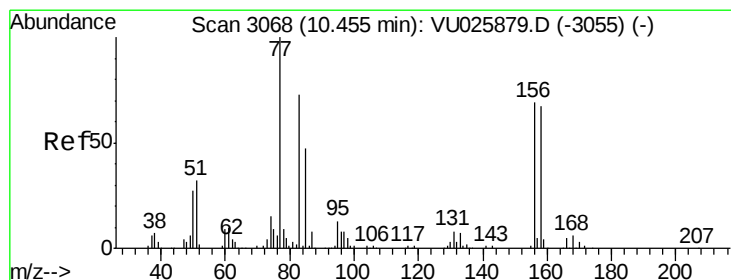
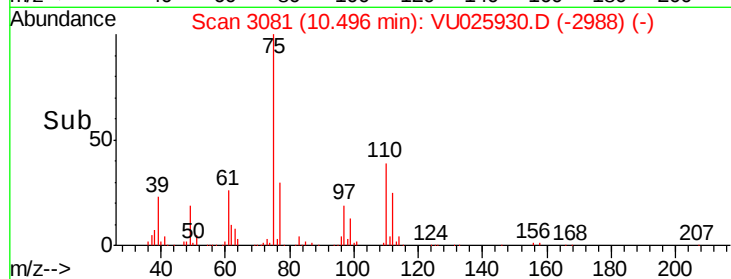
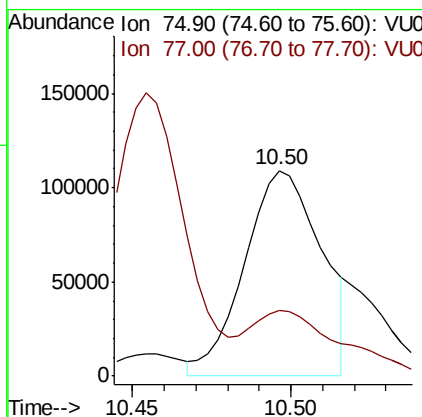
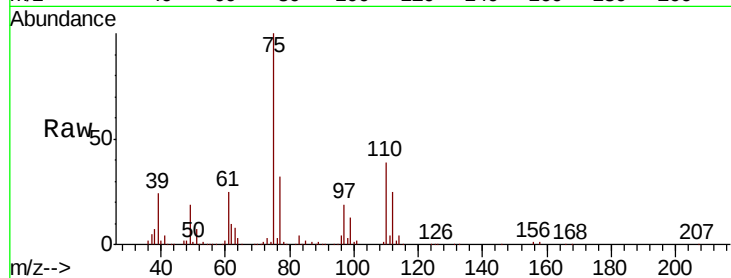
#76
 1,2,3-Trichloropropane
 Concen: 46.00 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Tot Ion: 75 Resp: 182963
 Ion Ratio Lower Upper
 75 100
 77 37.4 20.4 61.3

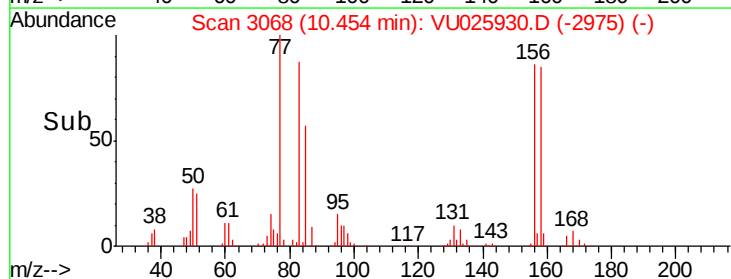
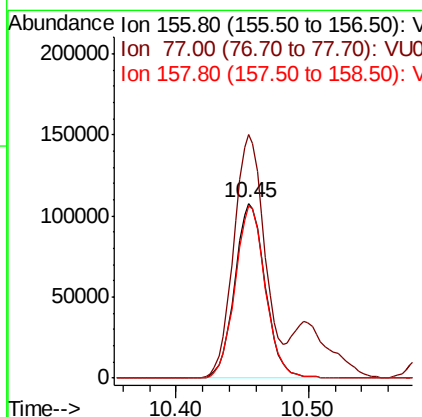
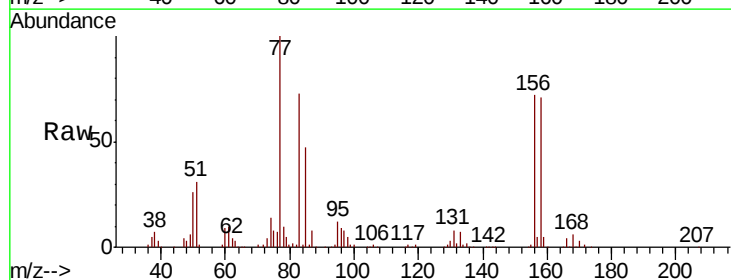
Manual Integrations
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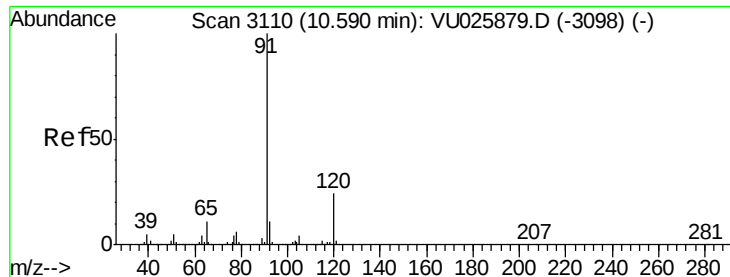
apatel
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#77
 Bromobenzene
 Concen: 50.60 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion: 156 Resp: 171966
 Ion Ratio Lower Upper
 156 100
 77 140.8 73.8 221.4
 158 98.1 48.0 144.0





#78

n-propylbenzene

Concen: 50.81 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

FL-0536MSD

Tot Ion: 91 Resp: 730682

Ion Ratio Lower Upper

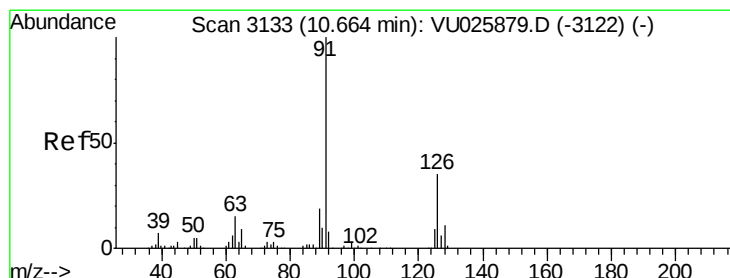
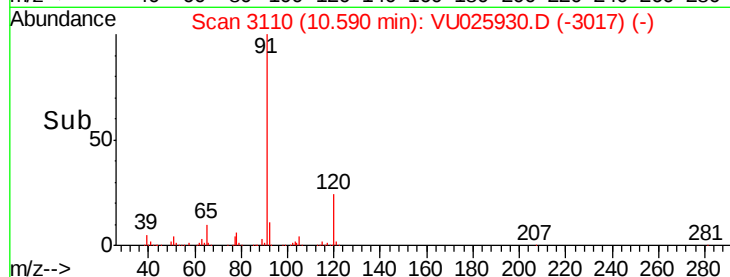
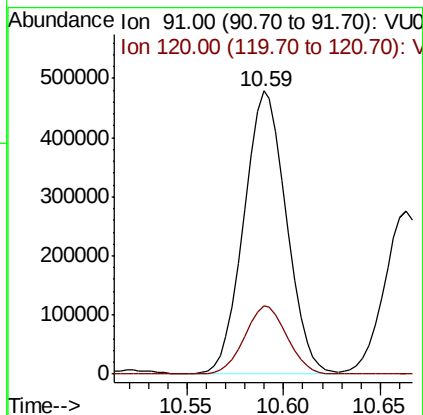
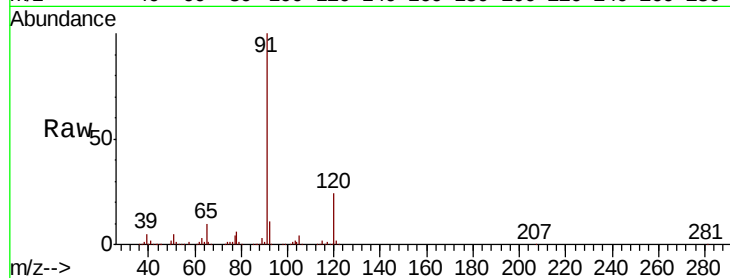
91 100

120 24.0 11.8 35.3

Manual Integrations
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#79

2-Chlorotoluene

Concen: 51.10 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025930.D

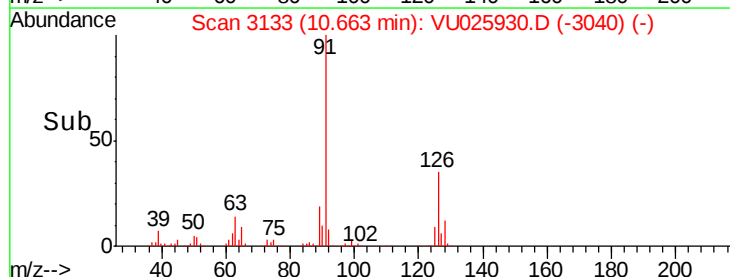
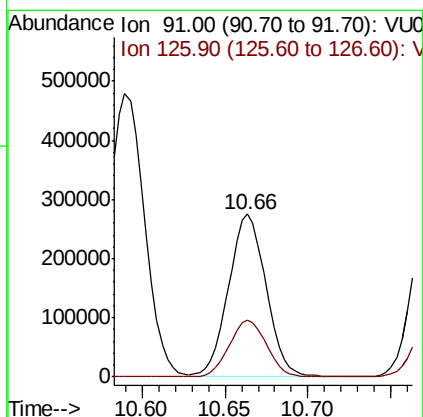
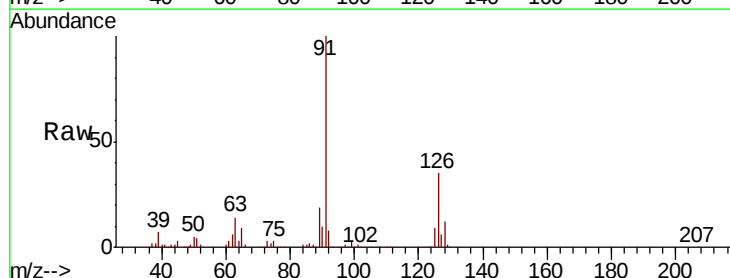
Acq: 07 Aug 2018 09:18

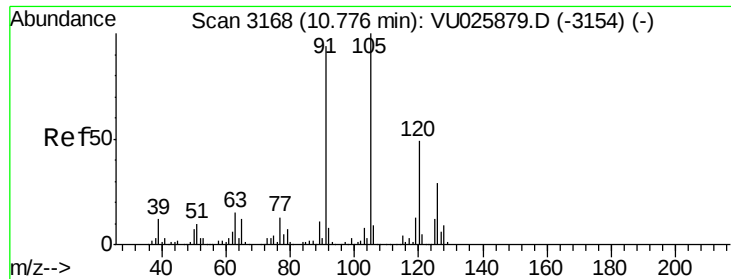
Tgt Ion: 91 Resp: 430432

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.6





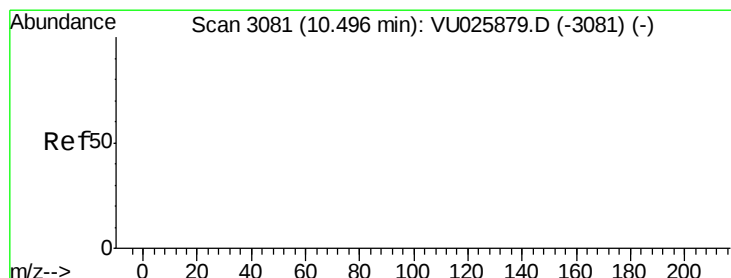
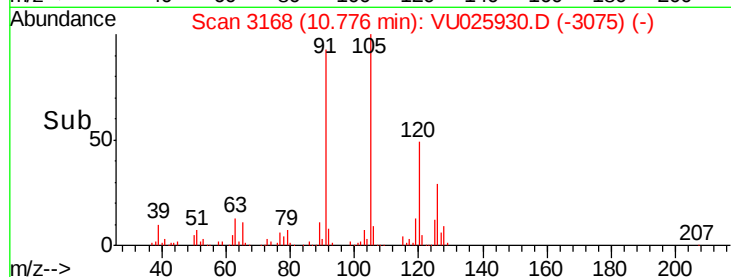
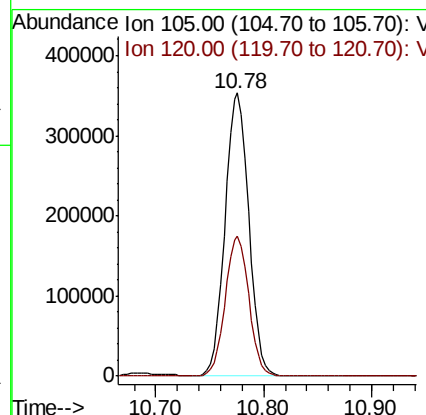
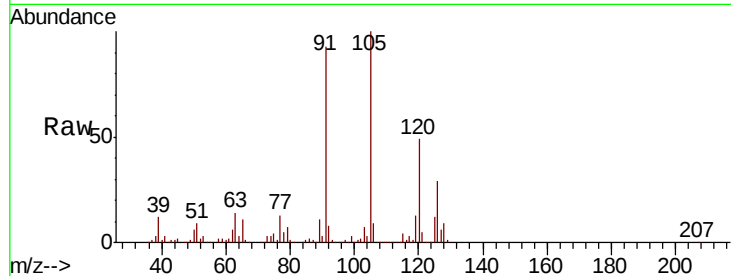
#80
 1,3,5-Trimethylbenzene
 Concen: 51.65 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	540393		
120	49.1	24.1	72.2	

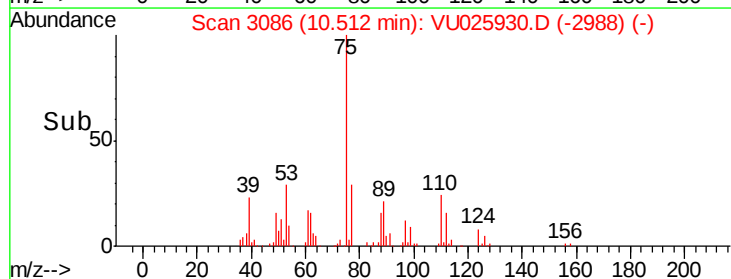
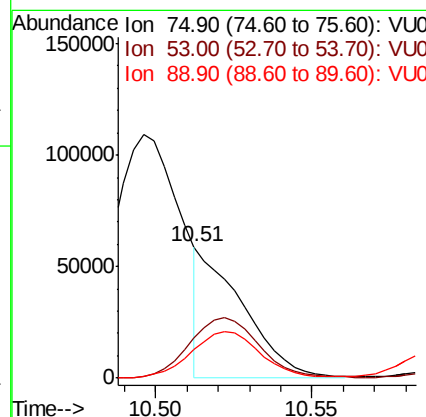
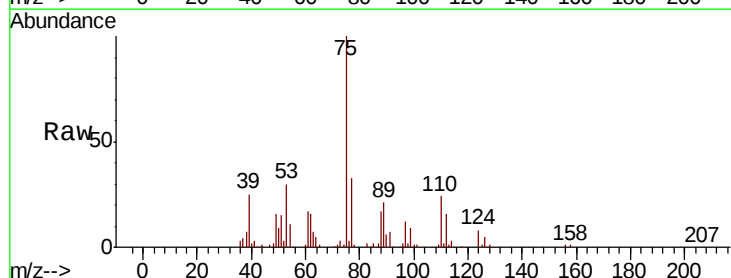
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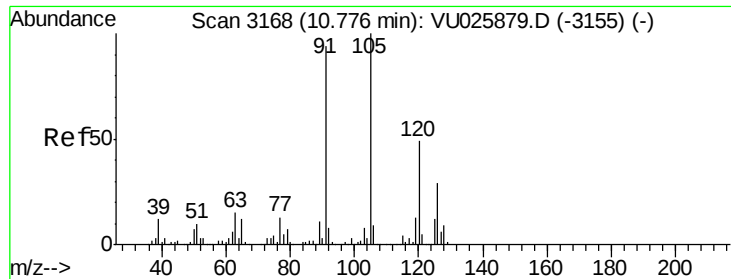
apatel
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 35.41 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.02 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56169		
53	0.0	0.0	0.0	
89	0.0	0.0	0.0	





#82

4-Chlorotoluene

Concen: 51.13 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

ClientSampled :

FL-0536MSD

Tot Ion: 91 Resp: 507640

Ion Ratio Lower Upper

91 100

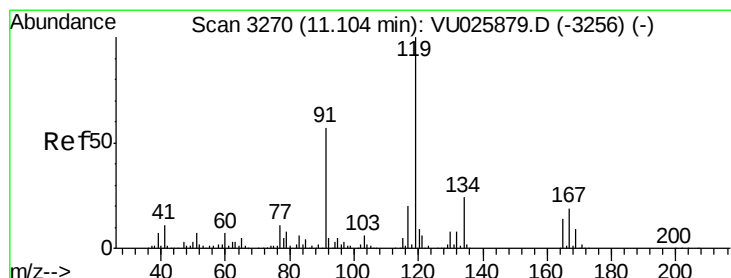
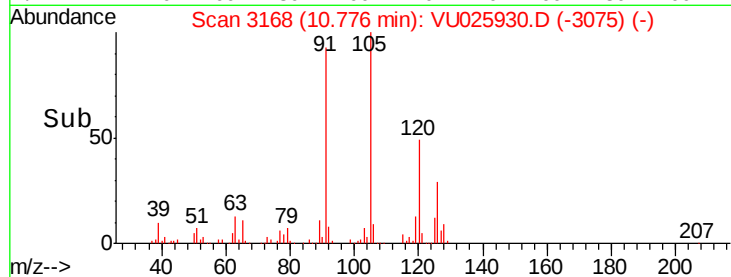
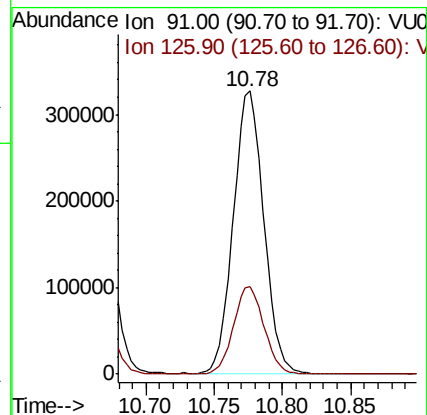
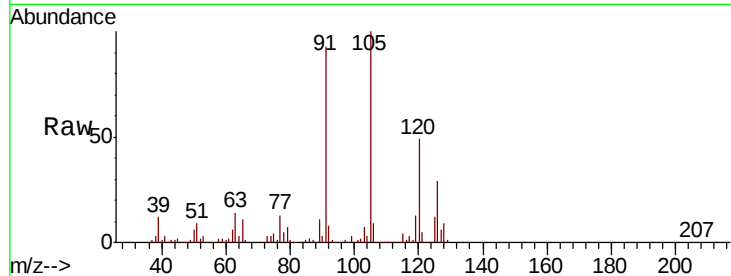
126 30.9 15.3 45.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 50.80 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

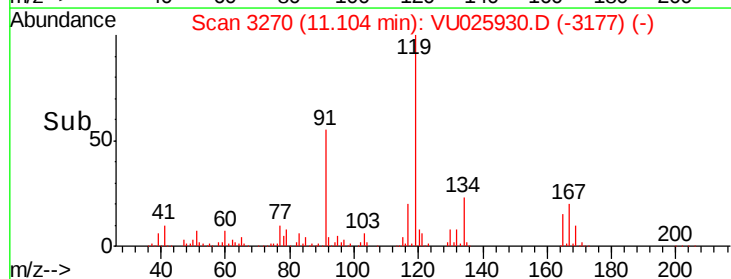
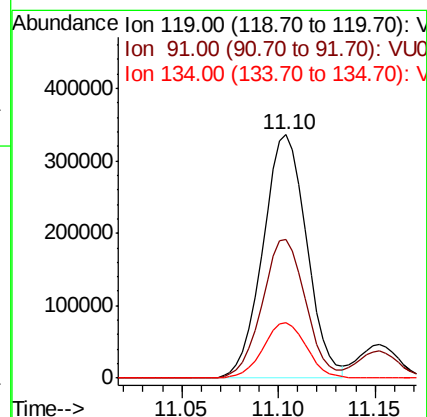
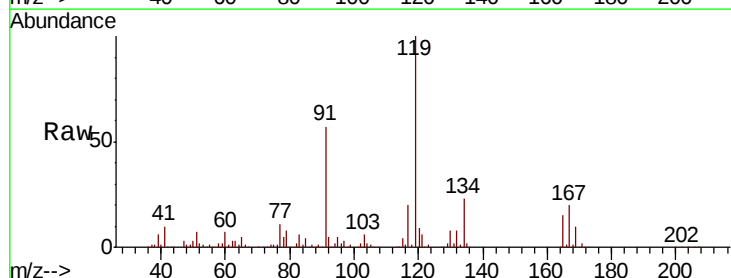
Tgt Ion: 119 Resp: 528145

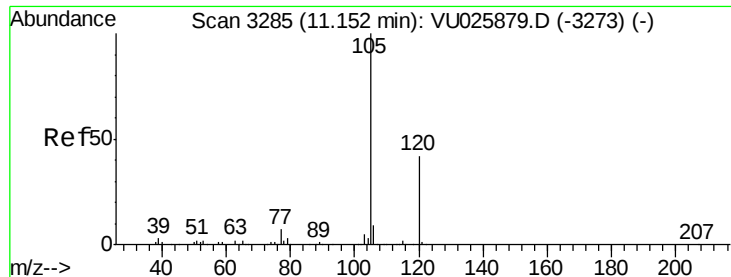
Ion Ratio Lower Upper

119 100

91 56.9 29.7 89.1

134 22.7 11.5 34.5





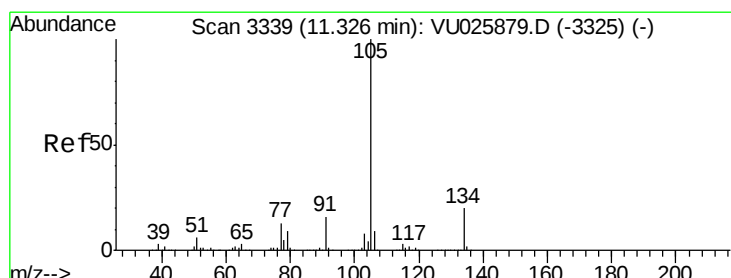
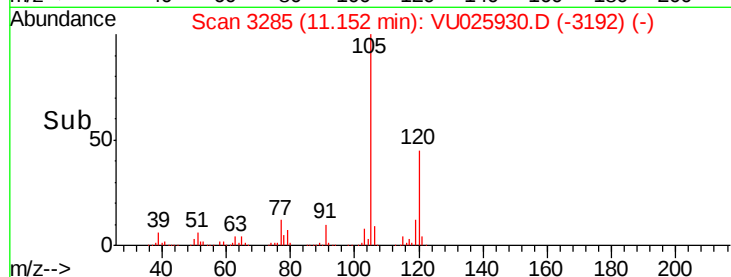
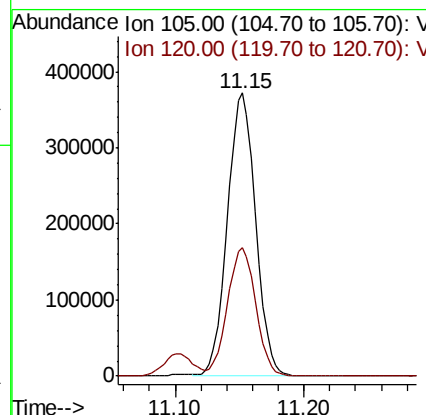
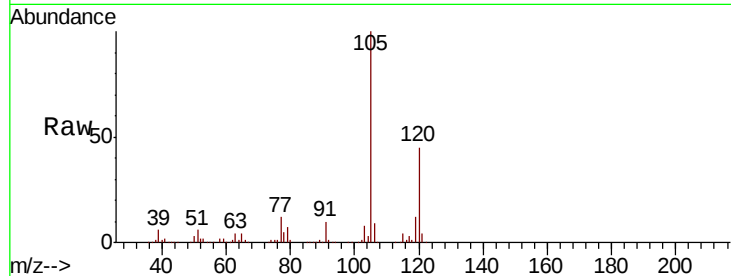
#84
 1,2,4-Trimethylbenzene
 Concen: 53.02 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.8

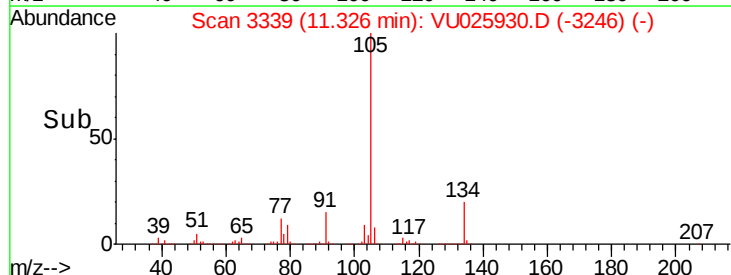
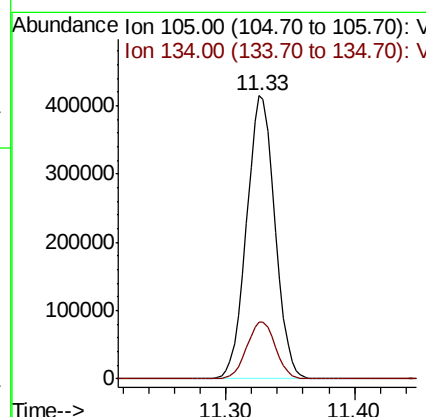
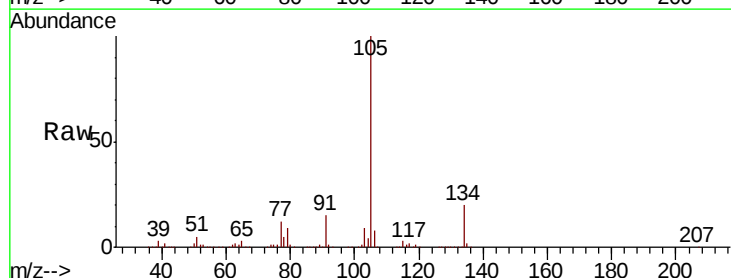
Manual Integrations
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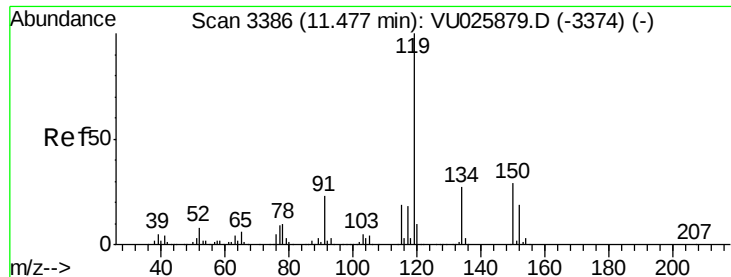
apatel
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#85
 sec-Butylbenzene
 Concen: 49.80 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8





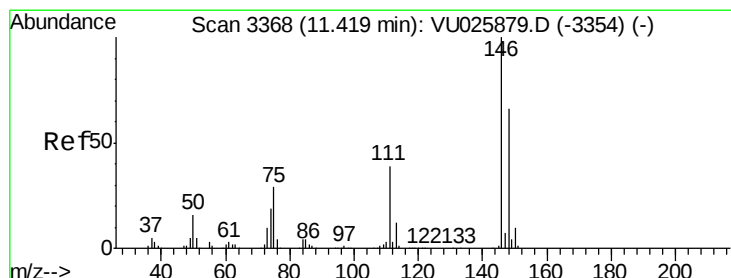
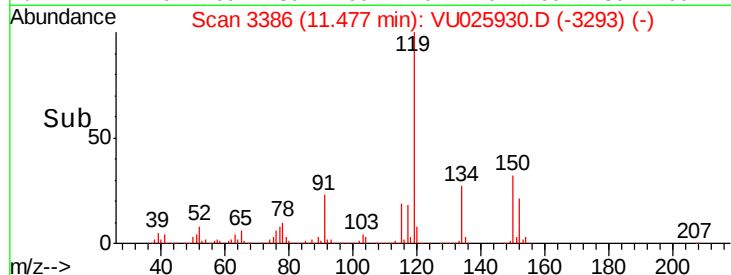
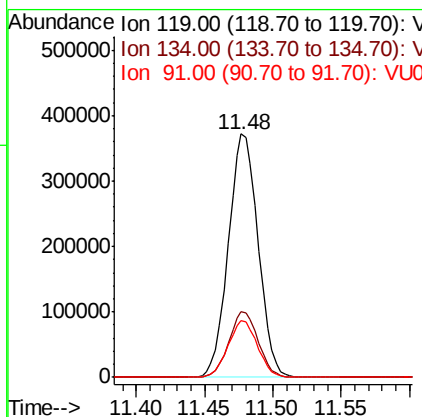
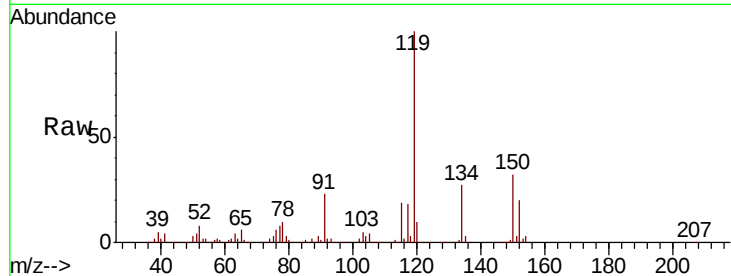
#86
p-Isopropyltoluene
Concen: 49.34 ug/l
RT: 11.48 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
Client Sampled :
FL-0536MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	560708		
134	26.7		13.2	39.5
91	23.3		12.0	36.1

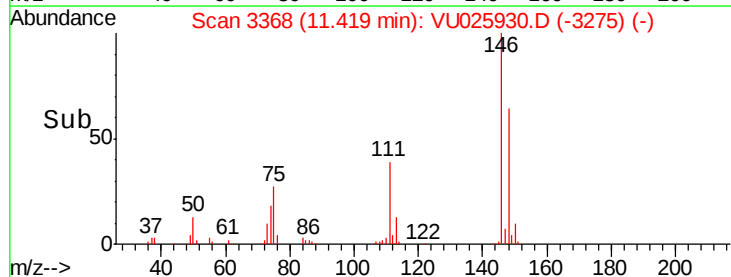
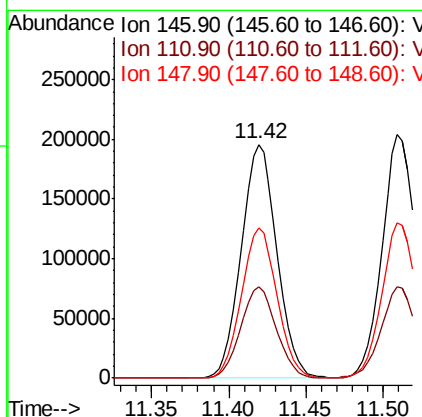
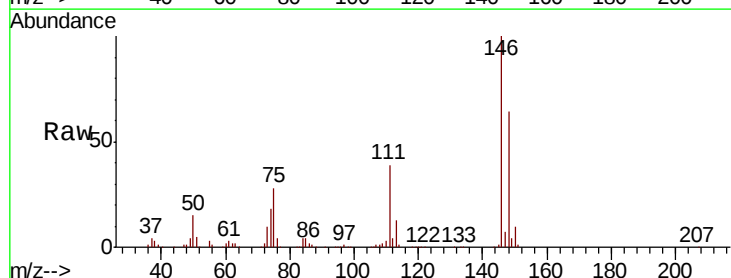
Manual Integrations
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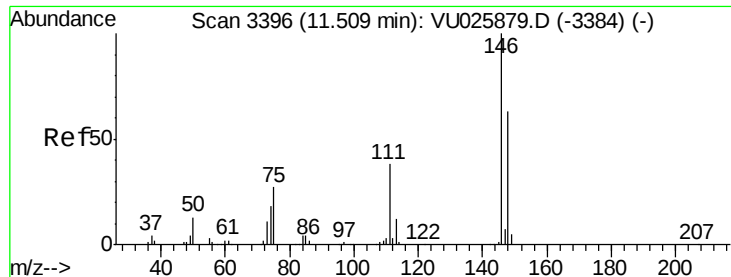
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#87
1,3-Dichlorobenzene
Concen: 49.66 ug/l
RT: 11.42 min Scan# 3368
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	313262		
111	39.0		19.7	59.1
148	64.0		32.1	96.3





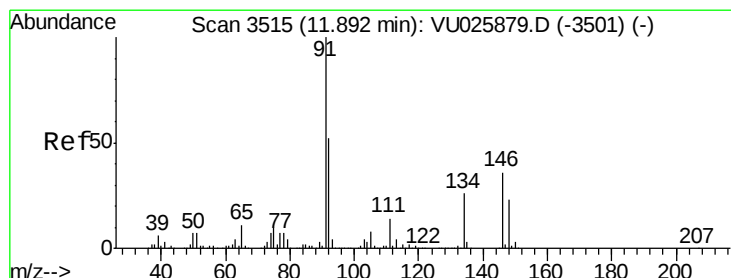
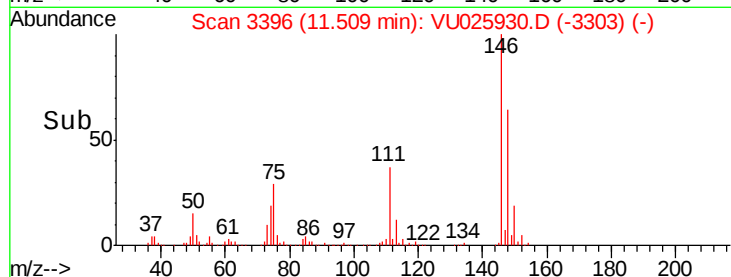
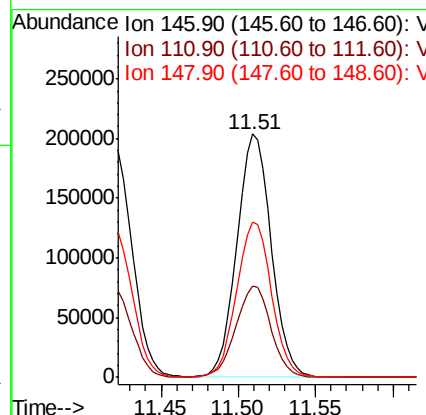
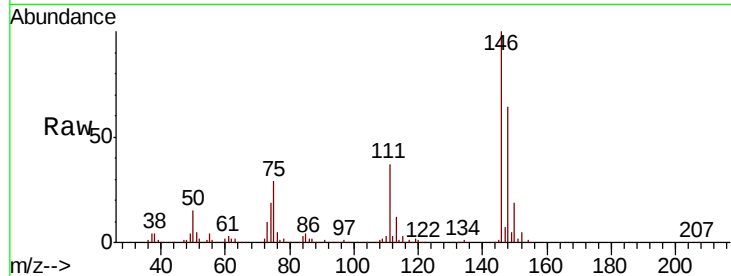
#88
 1,4-Dichlorobenzene
 Concen: 47.63 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0536MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	65.0	31.7	95.1

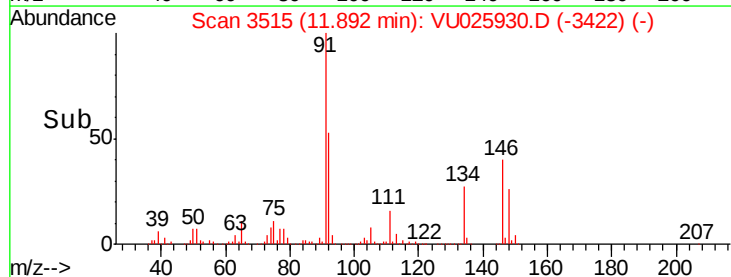
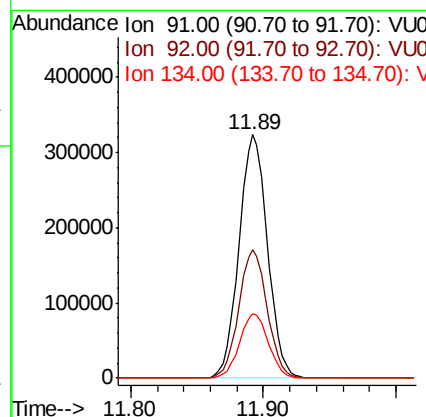
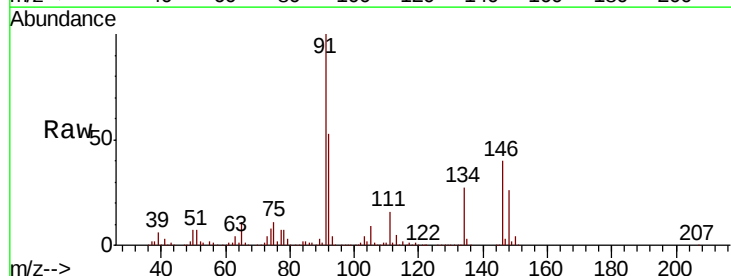
Manual Integrations
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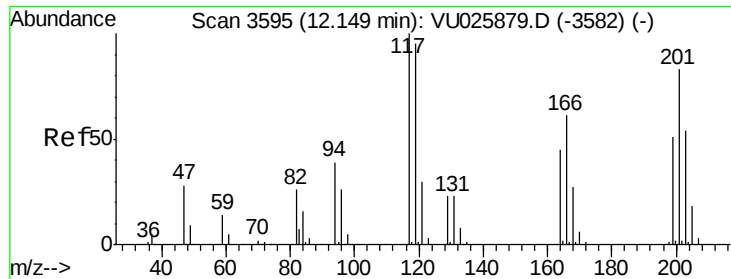
apatel
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#89
 n-Butylbenzene
 Concen: 45.90 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	26.9	13.6	40.7





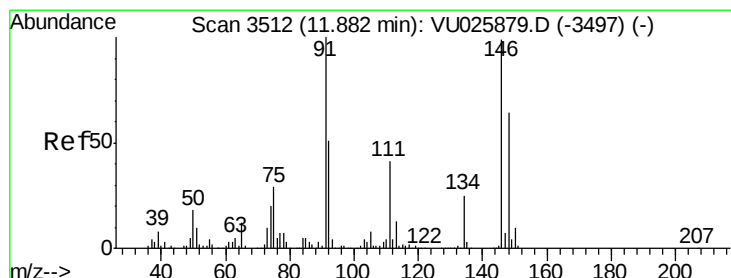
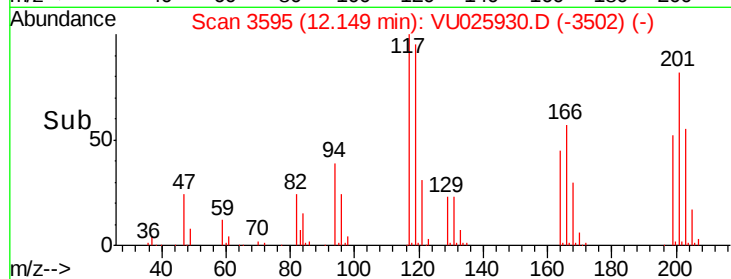
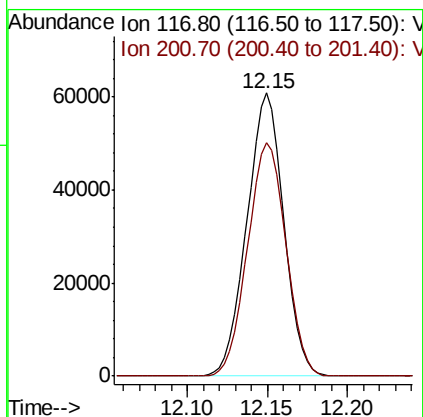
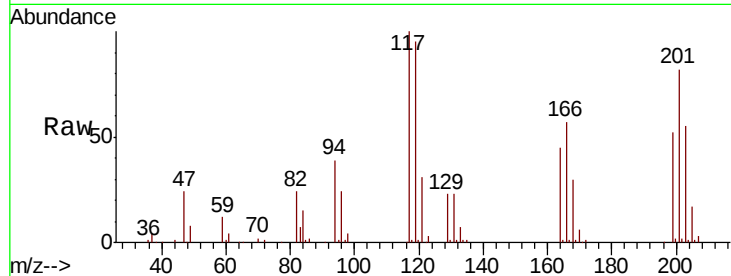
#90
Hexachloroethane
Concen: 47.64 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Instrument :
MSVOA_U
ClientSampled :
FL-0536MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	85.6	42.5	127.6

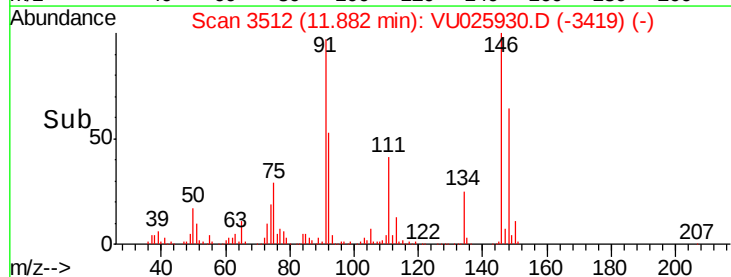
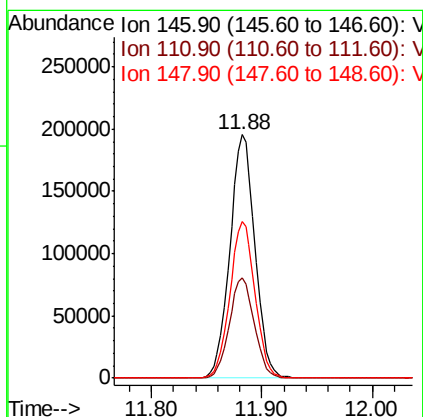
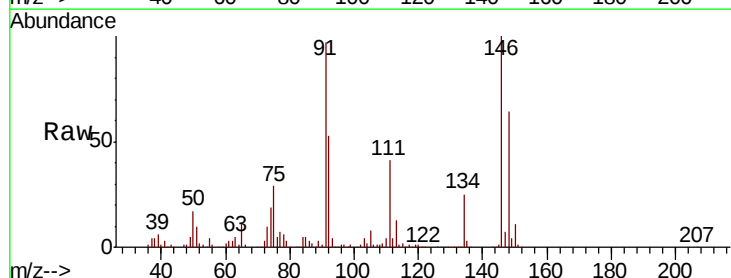
Manual Integrations
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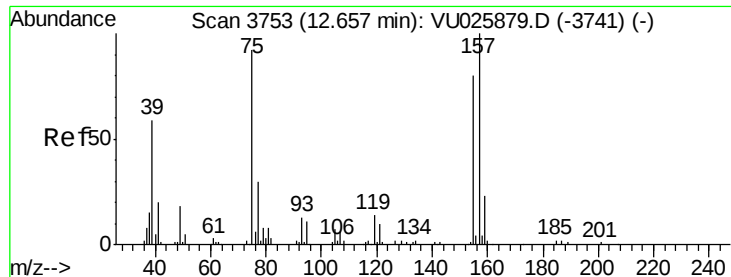
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#91
1,2-Dichlorobenzene
Concen: 49.66 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025930.D
Acq: 07 Aug 2018 09:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.5	31.5	94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.47 ug/l

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

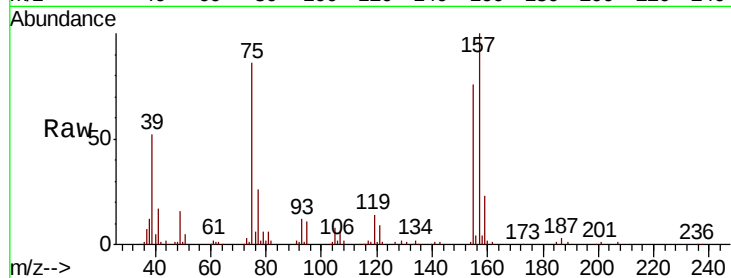
ClientSampleId :

FL-0536MSD

Tot Ion:	75	Resp:	49968
Ion	Ratio	Lower	Upper
75	100		
155	92.1	44.5	133.3
157	119.1	57.0	170.8

Manual Integrations
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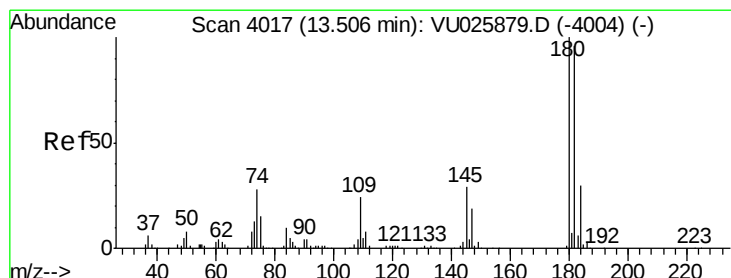
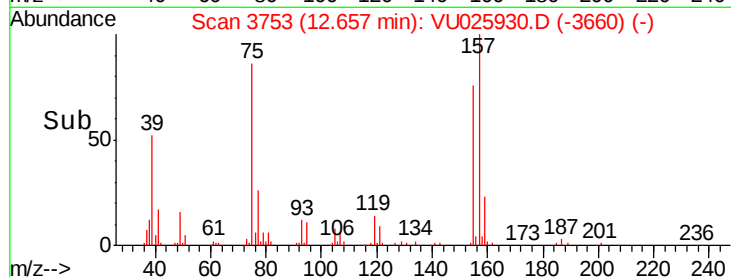
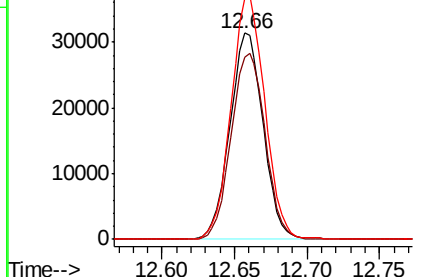
apatel
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Abundance Ion 74.90 (74.60 to 75.60): VU025879.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU025879.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU025879.D (-3741) (-)



#93

1,2,4-Trichlorobenzene

Concen: 50.75 ug/l

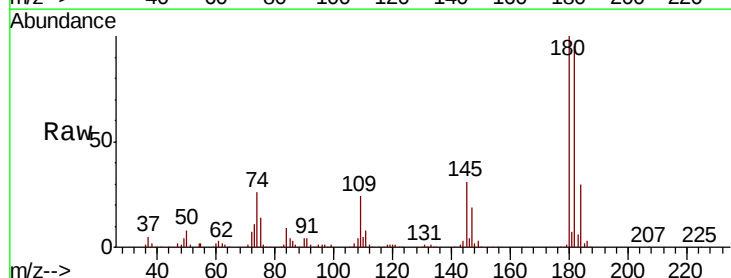
RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

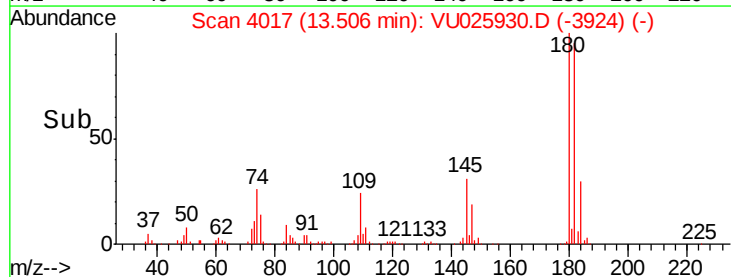
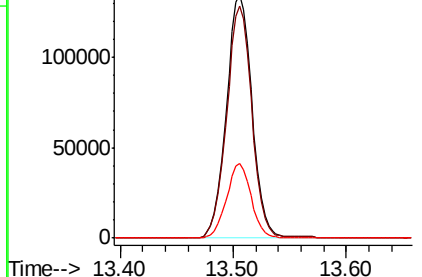
Tgt Ion:	180	Resp:	211760
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	29.9	14.9	44.7

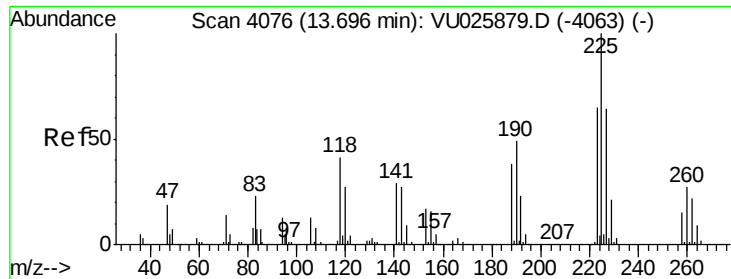


Abundance Ion 179.80 (179.50 to 180.50): VU025879.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU025879.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU025879.D (-4004) (-)





#94

Hexachlorobutadiene

Concen: 40.99 ug/l

RT: 13.69 min Scan# 4075

Delta R.T. -0.00 min

Lab File: VU025930.D

Acq: 07 Aug 2018 09:18

Instrument :

MSVOA_U

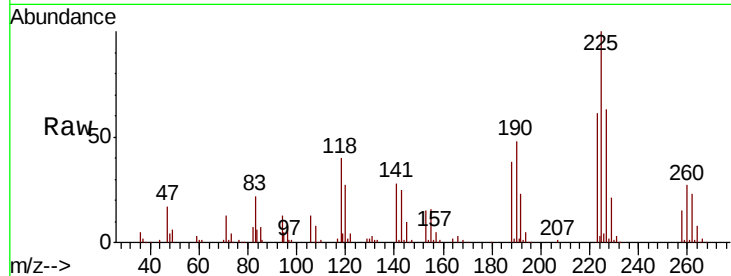
ClientSampleId :

FL-0536MSD

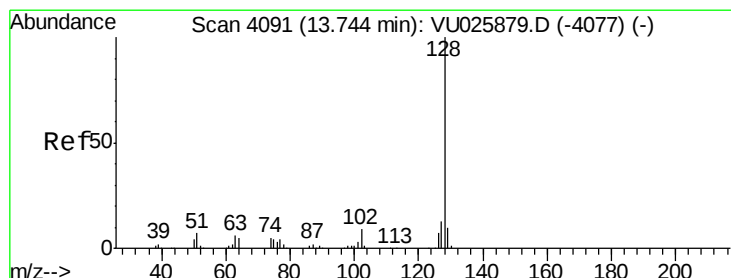
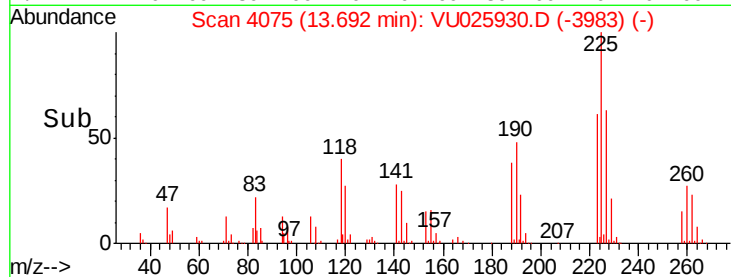
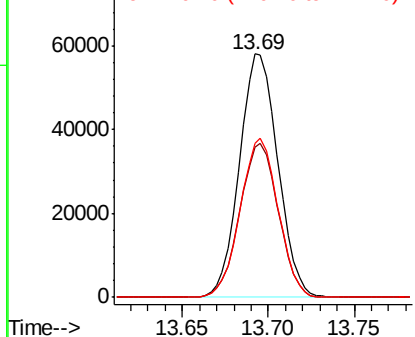
Tot Ion:	225	Resp:	90172
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.9	95.7
227	64.5	32.3	96.9

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



#95

Naphthalene

Concen: 48.81 ug/l

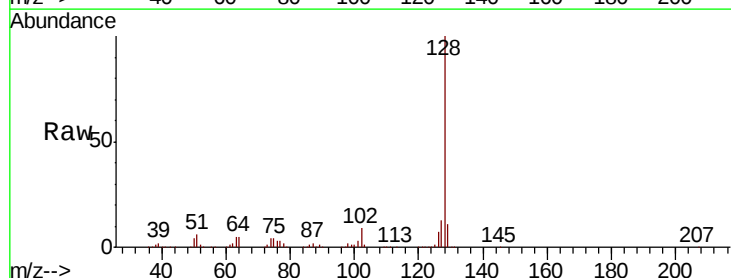
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

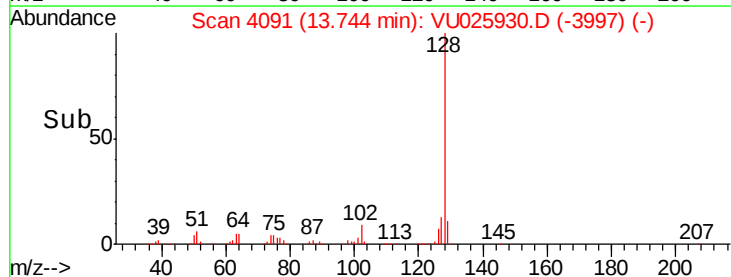
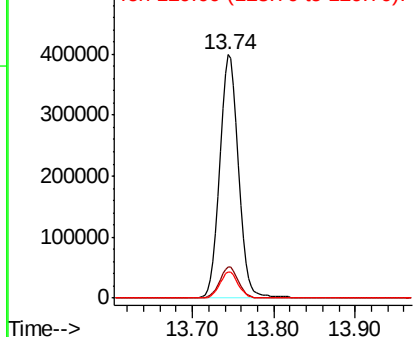
Lab File: VU025930.D

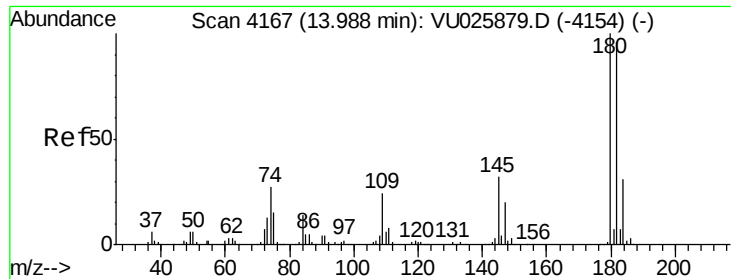
Acq: 07 Aug 2018 09:18

Tgt Ion:	128	Resp:	653791
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.5	8.3	12.5



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





#96
 1,2,3-Trichlorobenzene
 Concen: 50.75 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. -0.00 min
 Lab File: VU025930.D
 Acq: 07 Aug 2018 09:18

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.6	47.8	143.3
145	31.3	15.6	46.8

Manual Integrations
 APPROVED

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