

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025907.D
 Acq On : 06 Aug 2018 23:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:46 PM

Quant Time: Aug 07 04:25:37 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	169372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	261202	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	255410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160548	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	134793	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
35) Dibromofluoromethane	4.89	113	112902	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	7.57	98	393681	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	10.31	95	152618	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	98634	38.53	ug/l	99
3) Chloromethane	1.33	50	101271	41.39	ug/l	99
4) Vinyl Chloride	1.40	62	108453	47.10	ug/l	100
5) Bromomethane	1.62	94	61593	54.77	ug/l	96
6) Chloroethane	1.69	64	66600	49.47	ug/l	99
7) Trichlorofluoromethane	1.88	101	162249	48.74	ug/l	98
8) Diethyl Ether	2.10	74	59558	49.44	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	92249	47.88	ug/l	98
10) Methyl Iodide	2.41	142	70360	41.02	ug/l	99
11) Tert butyl alcohol	2.83	59	150531	260.53	ug/l	100
12) 1,1-Dichloroethene	2.28	96	89381	49.15	ug/l	96
13) Acrolein	2.19	56	85580	410.30	ug/l	100
14) Allyl chloride	2.59	41	160037	48.97	ug/l	97
15) Acrylonitrile	2.94	53	323482	280.42	ug/l	100
16) Acetone	2.32	43	359701	279.57	ug/l	98
17) Carbon Disulfide	2.48	76	289534	49.19	ug/l	99
18) Methyl Acetate	2.62	43	152476	49.24	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	355945	54.01	ug/l	99
20) Methylene Chloride	2.70	84	114190	50.08	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	108115	51.43	ug/l	98
22) Diisopropyl ether	3.58	45	351290	54.55	ug/l	94
23) Vinyl Acetate	3.53	43	1561811	278.28	ug/l	99
24) 1,1-Dichloroethane	3.45	63	204194	52.82	ug/l	99
25) 2-Butanone	4.27	43	576983	329.43	ug/l	99
26) 2,2-Dichloropropane	4.23	77	149430	42.53	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	120141	50.69	ug/l	99
28) Bromochloromethane	4.55	49	88745	51.34	ug/l	99
29) Tetrahydrofuran	4.64	42	289033	275.45	ug/l	100
30) Chloroform	4.68	83	213073	52.22	ug/l	99
31) Cyclohexane	5.00	56	176363	52.51	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	193078	52.55	ug/l	99
36) 1,1-Dichloropropene	5.14	75	158916	52.06	ug/l	100
37) Ethyl Acetate	4.38	43	171949	54.32	ug/l	98
38) Carbon Tetrachloride	5.14	117	176072	50.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171110	48.92	ug/l	97
40) Benzene	5.39	78	448119	50.22	ug/l	97
41) Methacrylonitrile	4.54	41	93583	53.23	ug/l	98
42) 1,2-Dichloroethane	5.41	62	173625	50.53	ug/l	99
43) Isopropyl Acetate	5.55	43	273362	52.26	ug/l	100
44) Trichloroethene	6.19	130	125425	50.47	ug/l	96
45) 1,2-Dichloropropane	6.44	63	119230	51.24	ug/l	98
46) Dibromomethane	6.56	93	85522	50.72	ug/l	99
47) Bromodichloromethane	6.76	83	168533	52.40	ug/l	98
48) Methyl methacrylate	6.63	41	139176	54.29	ug/l	98
49) 1,4-Dioxane	6.62	88	66590	1067.45	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1113765	340.12	ug/l	100
52) Toluene	7.64	92	290836	52.47	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	187257	51.85	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	193198	52.08	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	119391	51.83	ug/l	99
56) Ethyl methacrylate	8.02	69	182833	55.55	ug/l	97
57) 1,3-Dichloropropane	8.25	76	200683	51.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	340184	228.85	ug/l	100
59) 2-Hexanone	8.36	43	862312	335.94	ug/l	98
60) Dibromochloromethane	8.48	129	141997	52.27	ug/l	99
61) 1,2-Dibromoethane	8.59	107	133851	52.24	ug/l	100
64) Tetrachloroethene	8.23	164	119559	53.18	ug/l	98
65) Chlorobenzene	9.12	112	334358	50.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124561	52.29	ug/l	98
67) Ethyl Benzene	9.25	91	565409	51.84	ug/l	100
68) m/p-Xylenes	9.38	106	446541	106.63	ug/l	100
69) o-Xylene	9.78	106	214224	52.34	ug/l	98
70) Styrene	9.80	104	361183	54.63	ug/l	98
71) Bromoform	9.96	173	110997	53.74	ug/l #	99
73) Isopropylbenzene	10.17	105	579132	52.85	ug/l	100
74) N-amyl acetate	10.01	43	249249	55.72	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	195155	51.50	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	167488m	47.35	ug/l	
77) Bromobenzene	10.45	156	156448	51.76	ug/l	98
78) n-propylbenzene	10.59	91	676002	52.86	ug/l	99
79) 2-Chlorotoluene	10.66	91	400422	53.45	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	492074	52.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	63367m	44.92	ug/l	
82) 4-Chlorotoluene	10.78	91	475949	53.90	ug/l	99
83) tert-Butylbenzene	11.10	119	475508	51.43	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	509898	54.07	ug/l	98
85) sec-Butylbenzene	11.33	105	580231	51.40	ug/l	99
86) p-Isopropyltoluene	11.48	119	525678	52.00	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	288598	51.44	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	291686	49.88	ug/l	99
89) n-Butylbenzene	11.89	91	461356	49.46	ug/l	99
90) Hexachloroethane	12.15	117	91277	50.79	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	282090	51.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48705	54.22	ug/l	99

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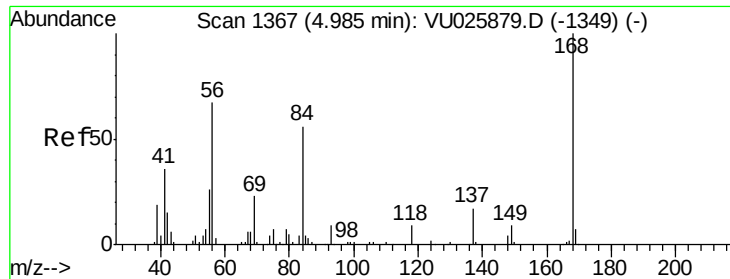
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	190628	51.36	ug/l	99
94) Hexachlorobutadiene	13.70	225	84408	43.14	ug/l	99
95) Naphthalene	13.74	128	583812	49.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192172	51.91	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: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 169372

Ion Ratio Lower Upper

168 100

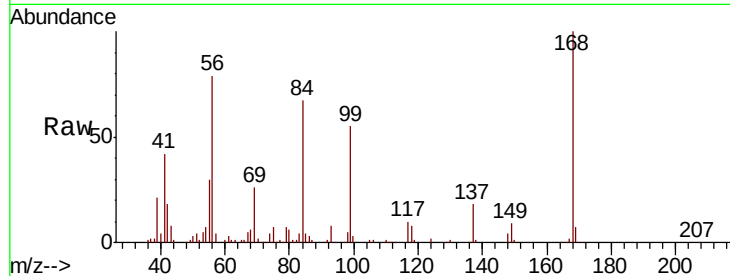
99 55.1 42.8 64.2

Manual Integrations

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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) (-)

80000

60000

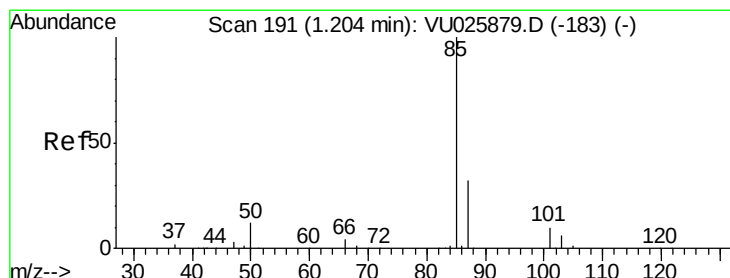
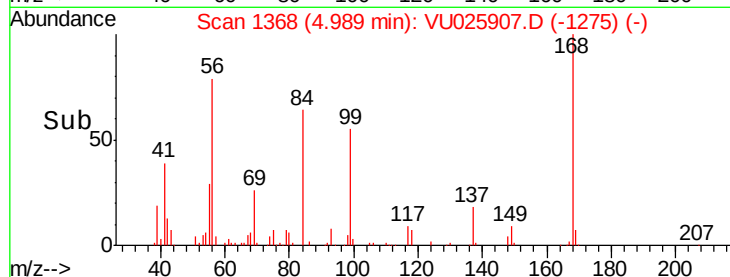
40000

20000

0

4.90 4.99 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.53 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025907.D

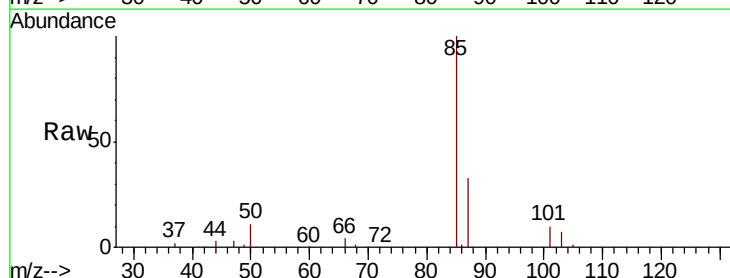
Acq: 06 Aug 2018 23:56

Tgt Ion: 85 Resp: 98634

Ion Ratio Lower Upper

85 100

87 32.6 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) (-)

100000

80000

60000

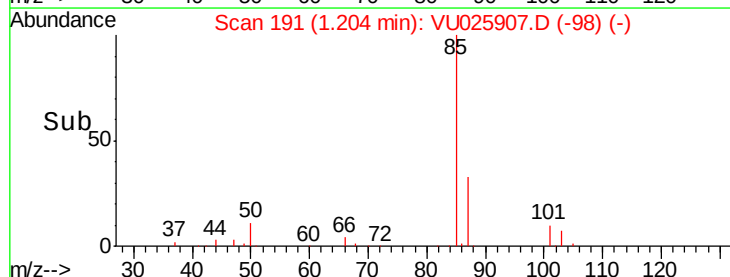
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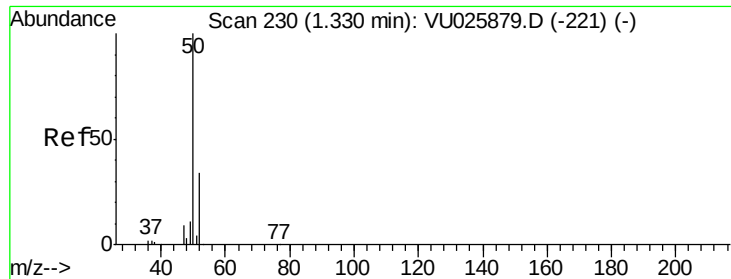
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 41.39 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 101271

Ion Ratio Lower Upper

50 100

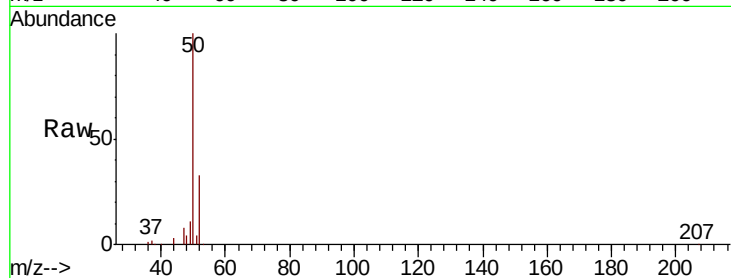
52 32.7 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

60000

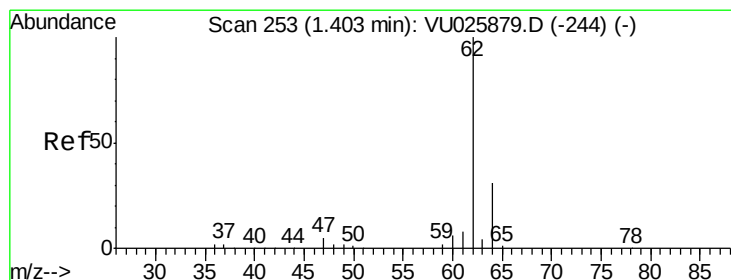
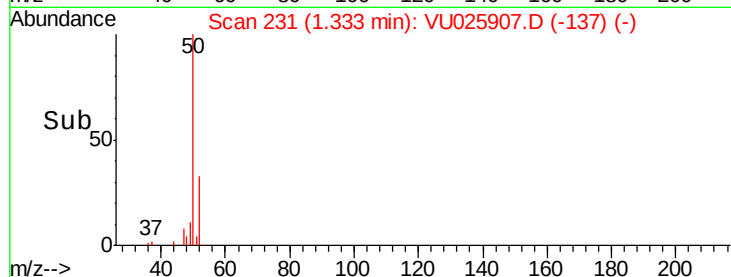
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 47.10 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025907.D

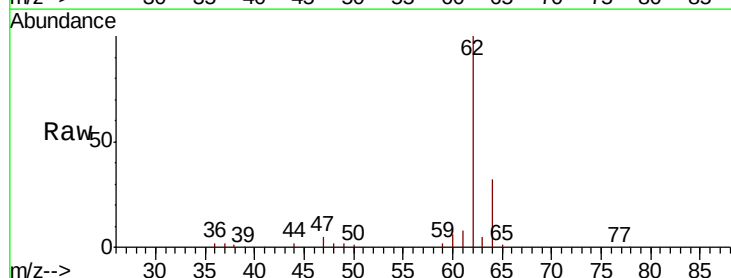
Acq: 06 Aug 2018 23:56

Tgt Ion: 62 Resp: 108453

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

120000

100000

80000

60000

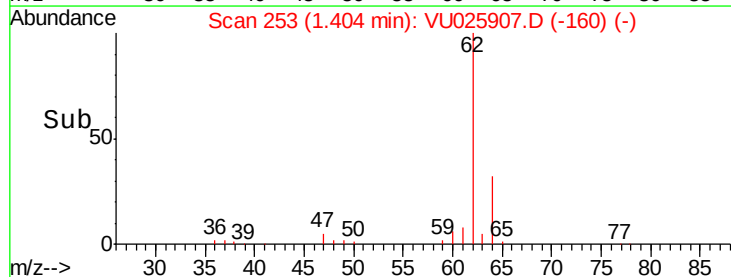
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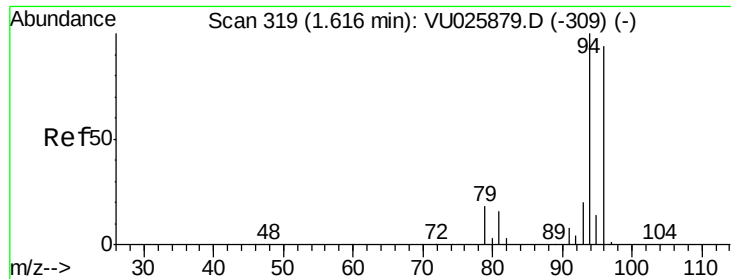
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 54.77 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61593

Ion Ratio Lower Upper

94 100

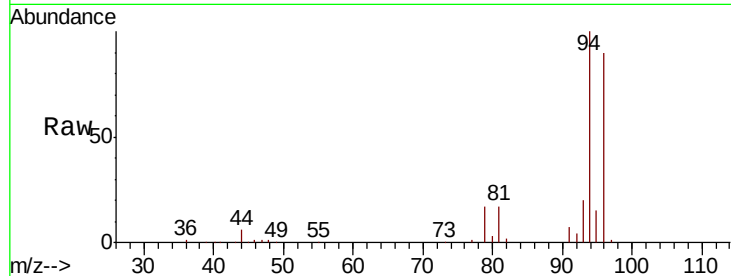
96 89.9 75.0 112.4

Manual Integrations

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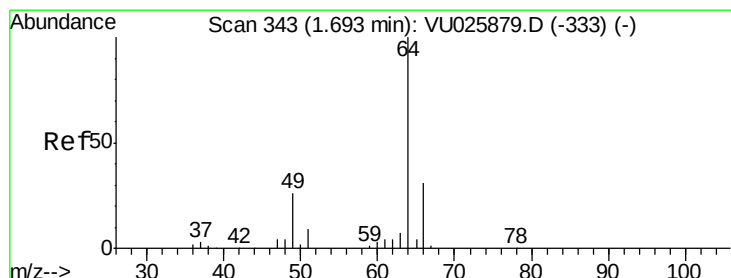
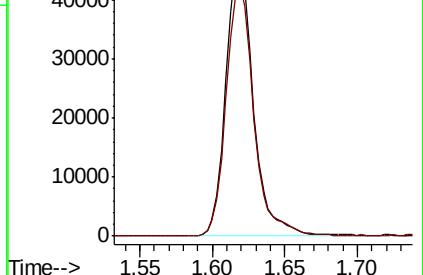
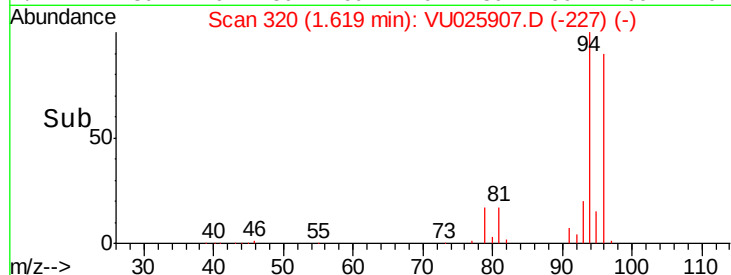


Abundance Ion 93.90 (93.60 to 94.60): VU025907.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VU025907.D (-227) (-)

1.62

Time-->



#6

Chloroethane

Concen: 49.47 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025907.D

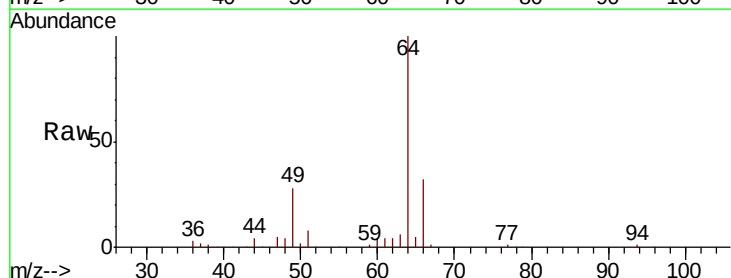
Acq: 06 Aug 2018 23:56

Tgt Ion: 64 Resp: 66600

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4

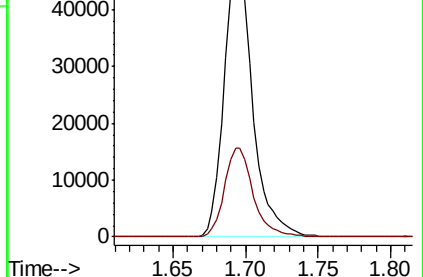
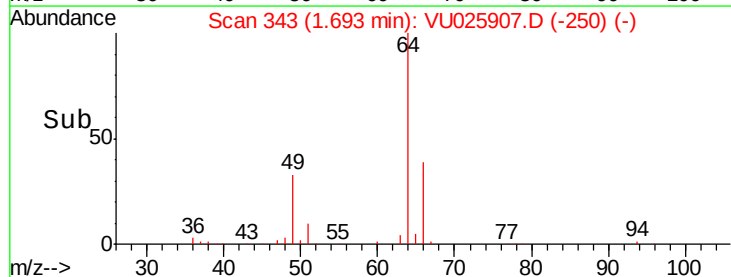


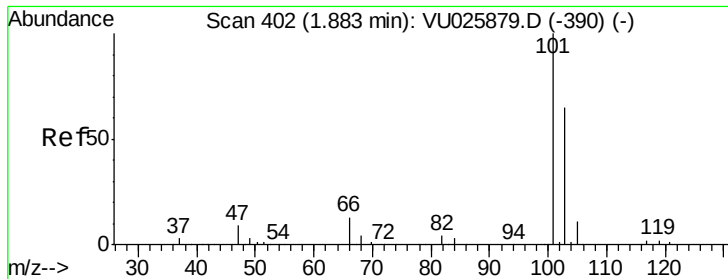
Abundance Ion 63.90 (63.60 to 64.60): VU025907.D (-250) (-)

Ion 65.90 (65.60 to 66.60): VU025907.D (-250) (-)

1.69

Time-->





#7

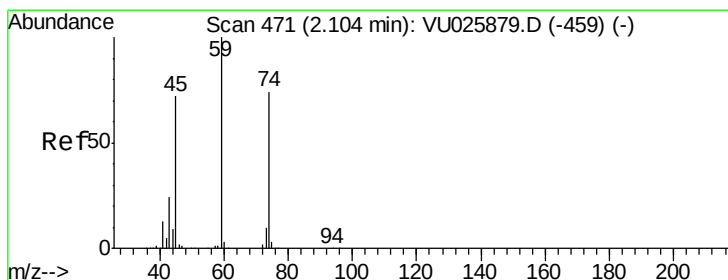
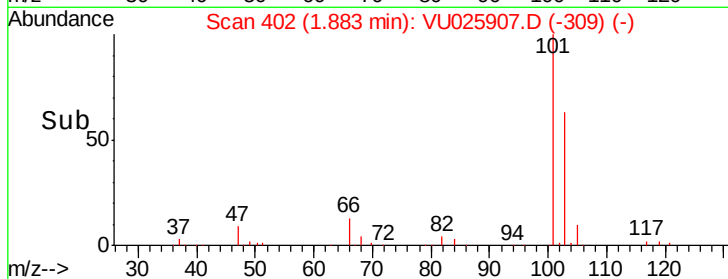
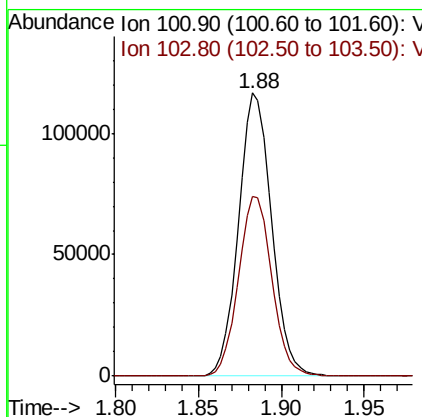
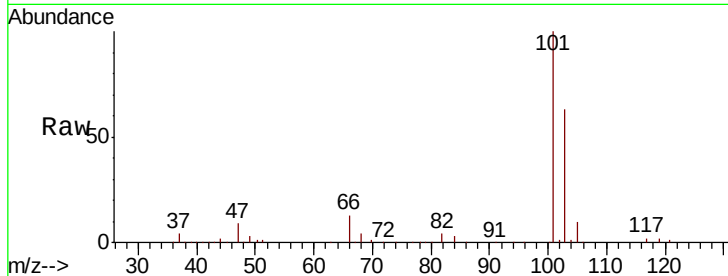
Trichlorofluoromethane
 Concen: 48.74 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

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 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.2	78.2

Manual Integrations
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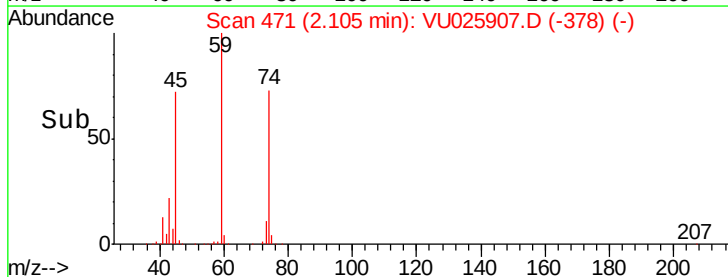
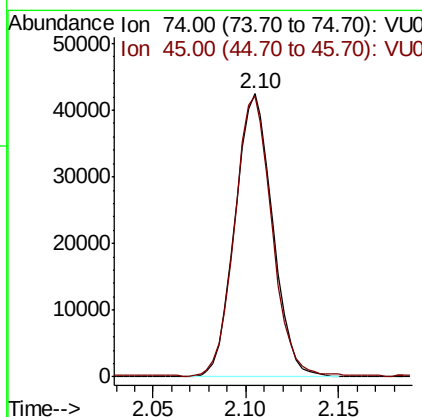
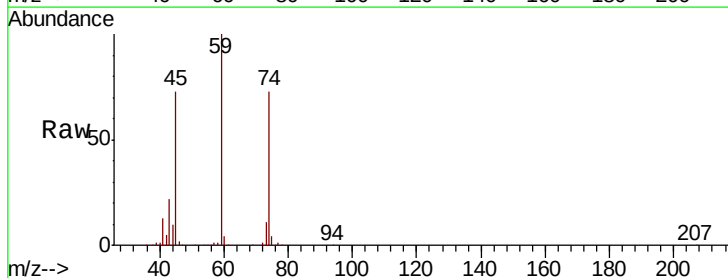
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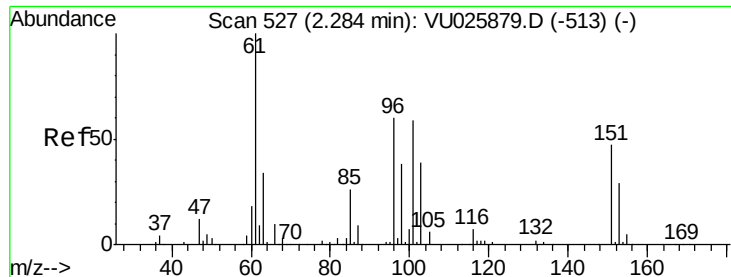


#8

Diethyl Ether
 Concen: 49.44 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.88 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

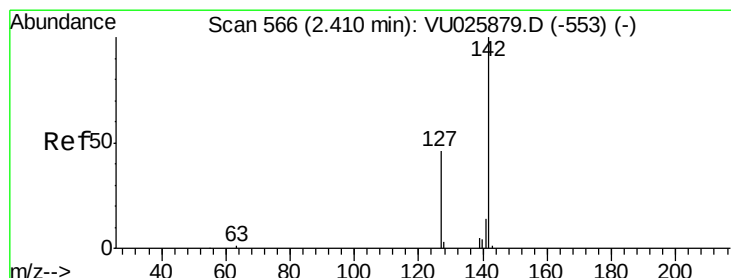
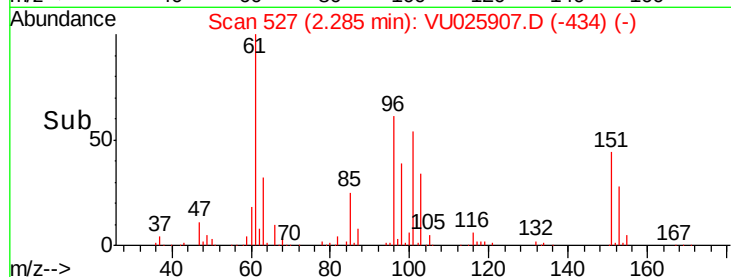
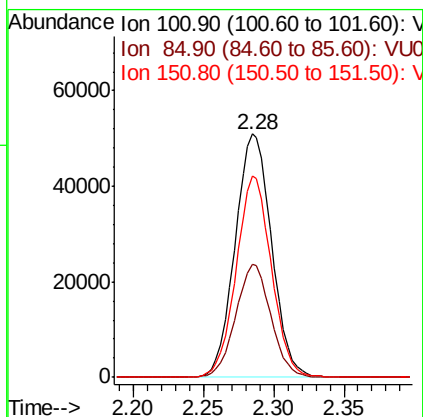
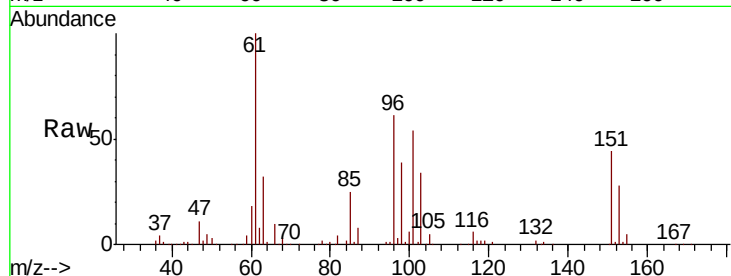
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92249
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	80.0	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 41.02 ug/l

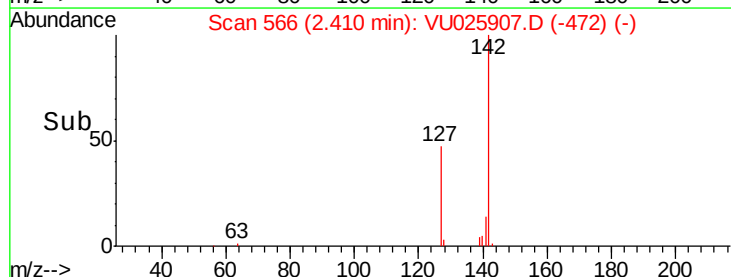
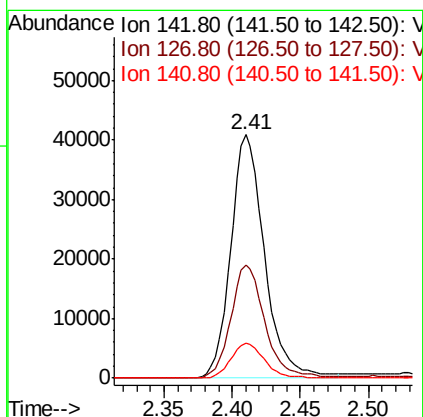
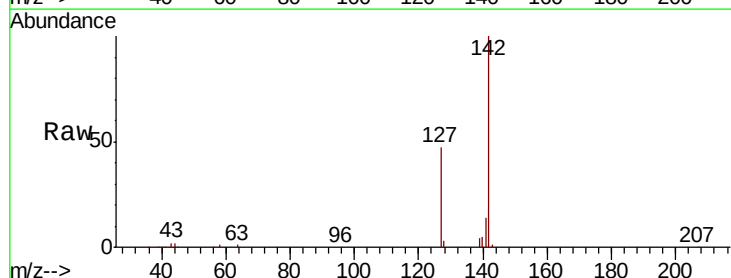
RT: 2.41 min Scan# 566

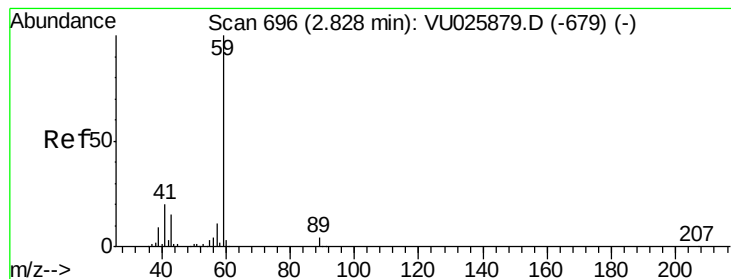
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	142	Resp:	70360
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.5	54.7
141	14.1	11.4	17.2





#11

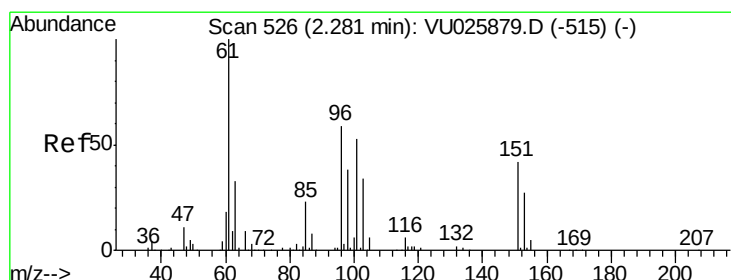
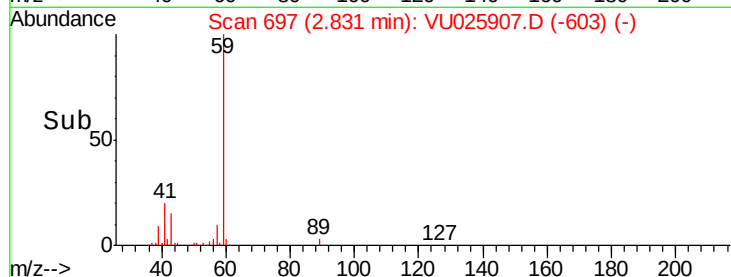
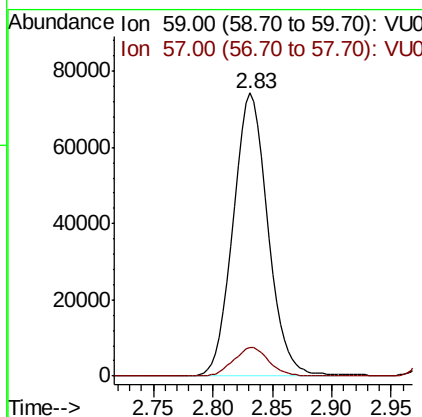
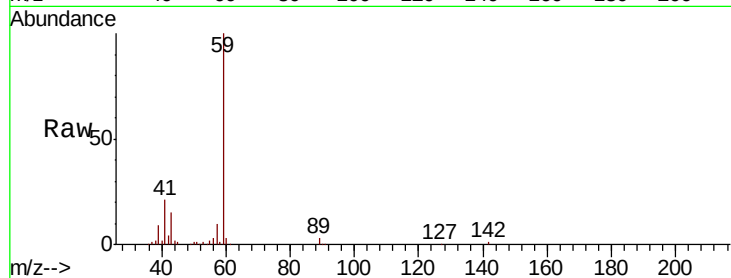
Tert butyl alcohol
Concen: 260.53 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
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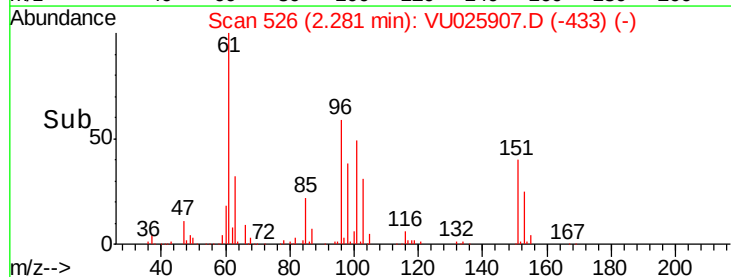
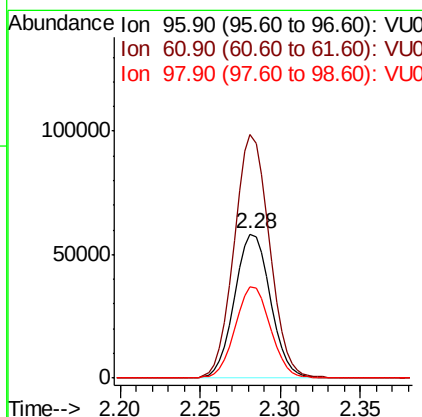
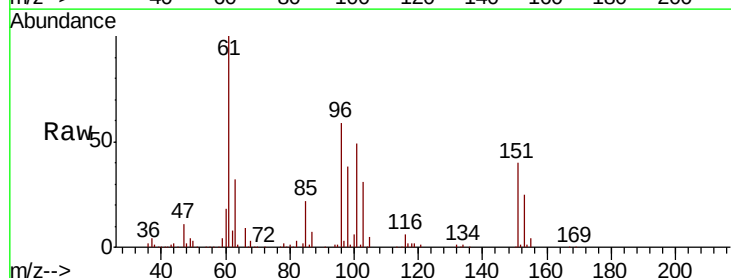
MMDadoda
8/7/2018 1:51:46 PM

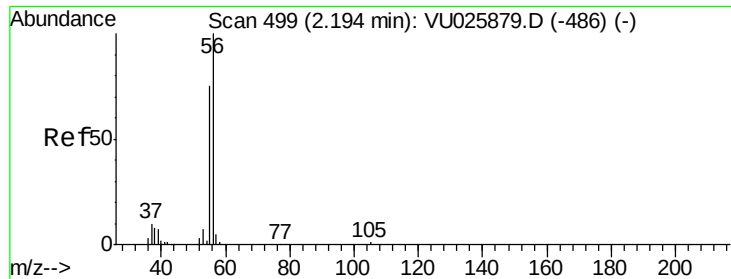


#12

1,1-Dichloroethene
Concen: 49.15 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	140.2	210.4
98	63.8	49.3	73.9





#13

Acrolein

Concen: 410.30 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 85580

Ion Ratio Lower Upper

56 100

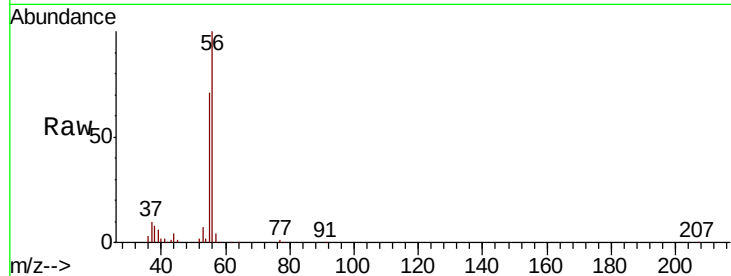
55 71.3 57.2 85.8

Manual Integrations

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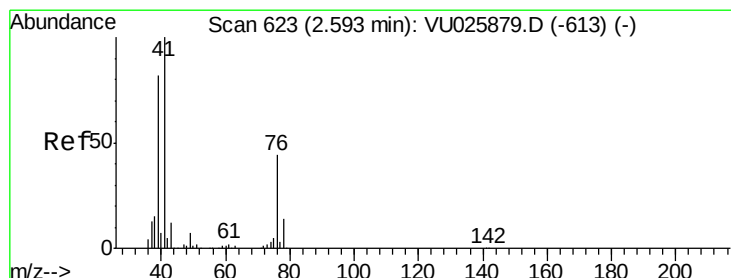
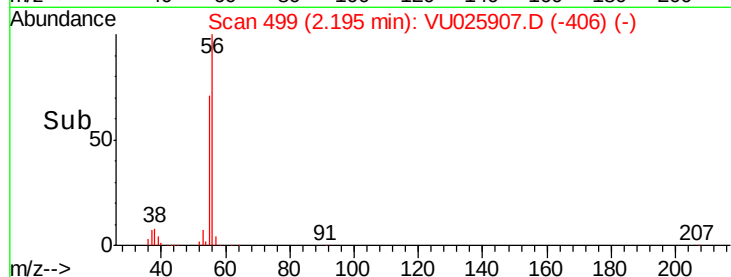
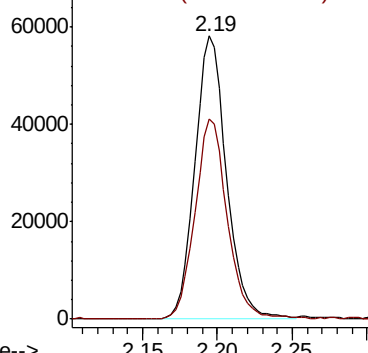
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 48.97 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

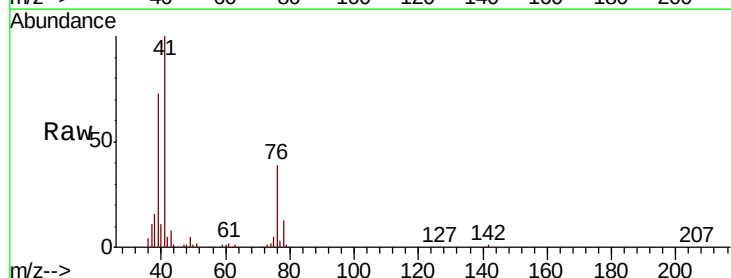
Tgt Ion: 41 Resp: 160037

Ion Ratio Lower Upper

41 100

39 72.8 60.6 91.0

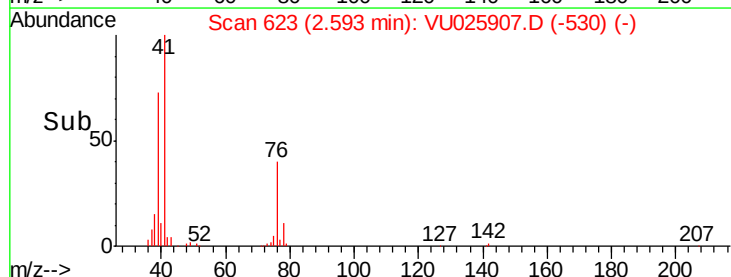
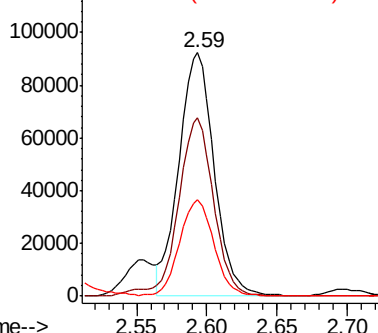
76 38.5 30.5 45.7

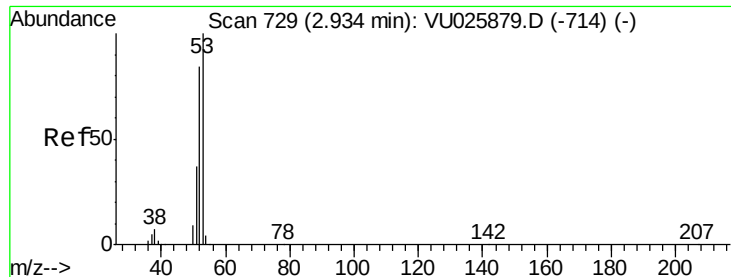


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 280.42 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

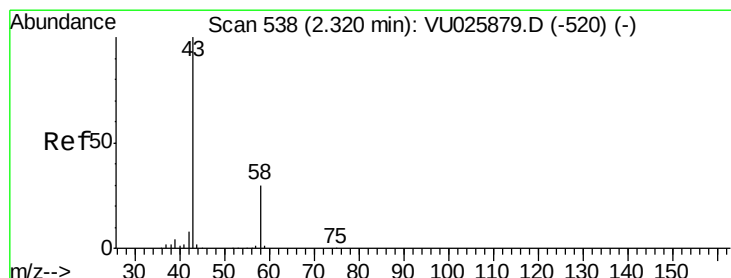
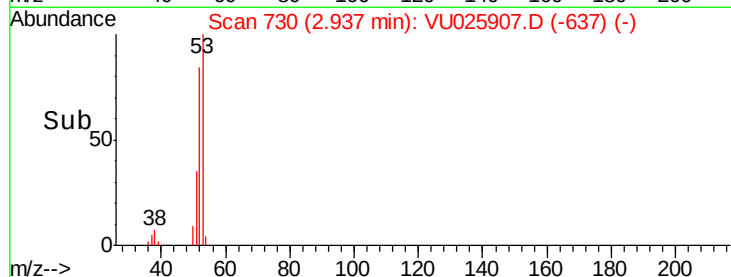
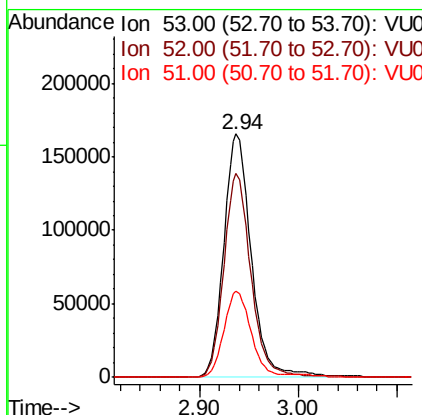
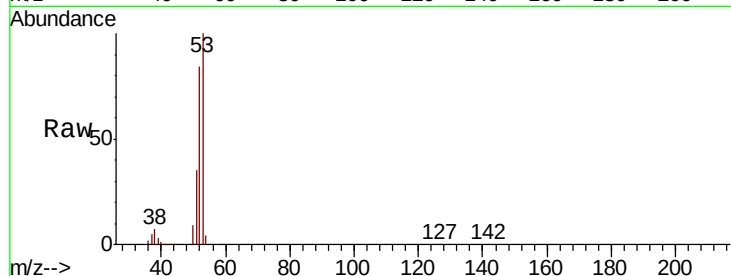
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	323482
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	36.4	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 279.57 ug/l

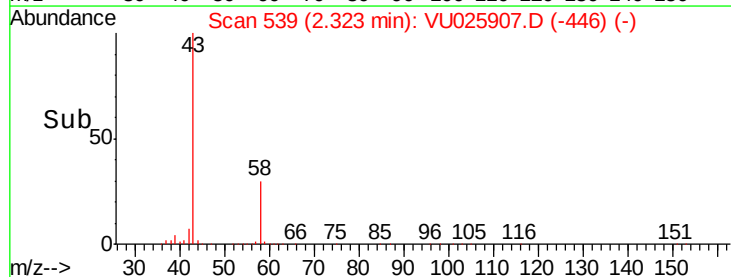
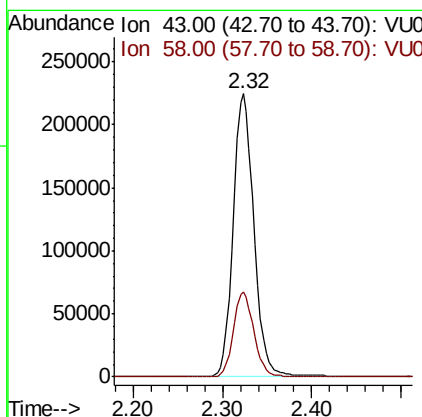
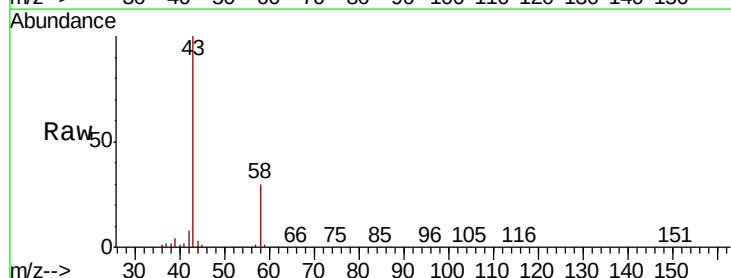
RT: 2.32 min Scan# 539

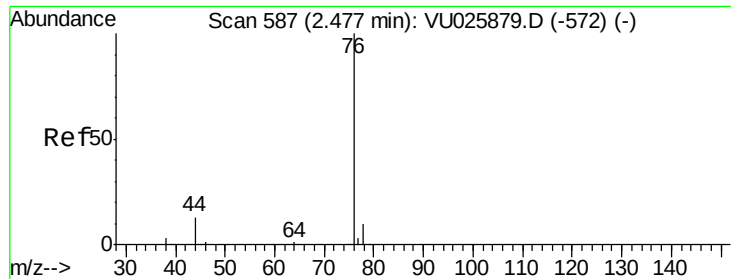
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	43	Resp:	359701
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.1	34.7





#17

Carbon Disulfide

Concen: 49.19 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 289534

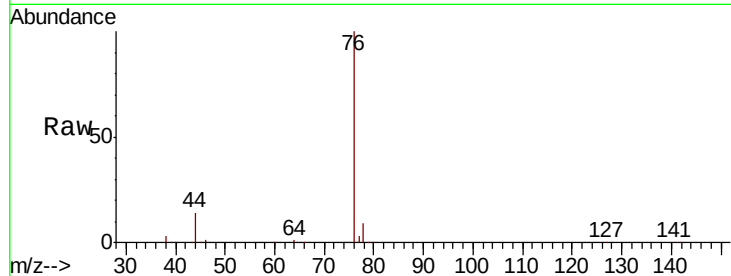
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VU025907.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025907.D (-494) (-)

200000

150000

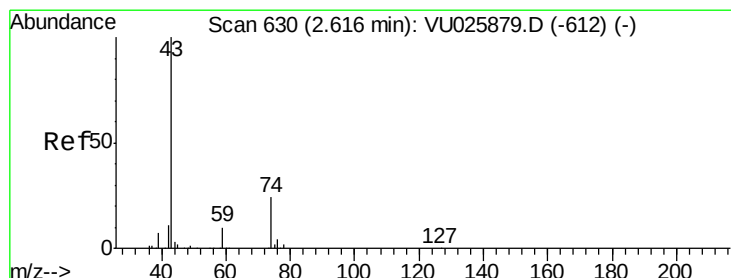
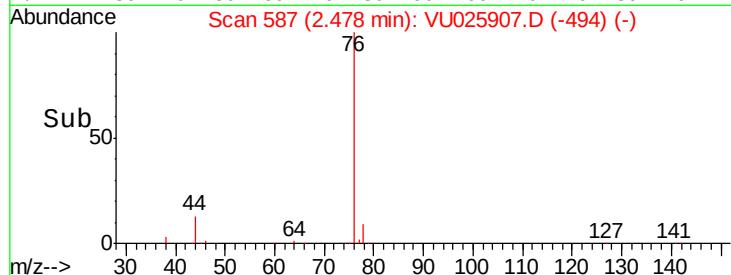
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 49.24 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025907.D

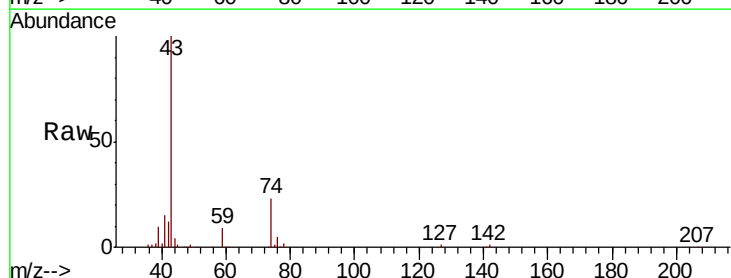
Acq: 06 Aug 2018 23:56

Tgt Ion: 43 Resp: 152476

Ion Ratio Lower Upper

43 100

74 23.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025907.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025907.D (-537) (-)

100000

80000

60000

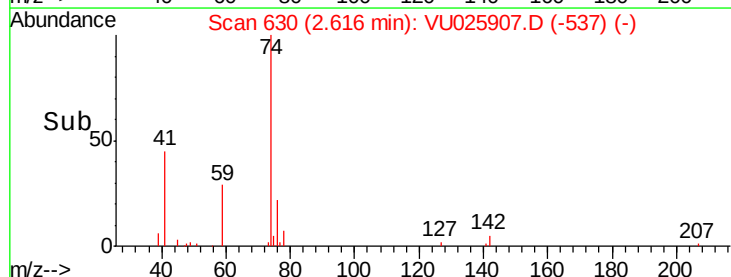
40000

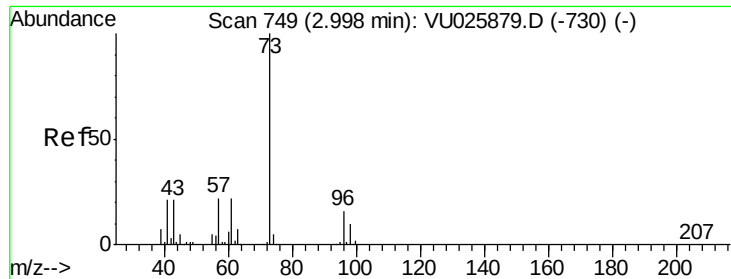
20000

0

2.55 2.60 2.65 2.70

Time-->





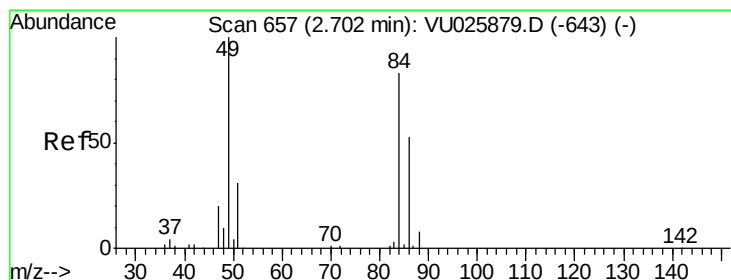
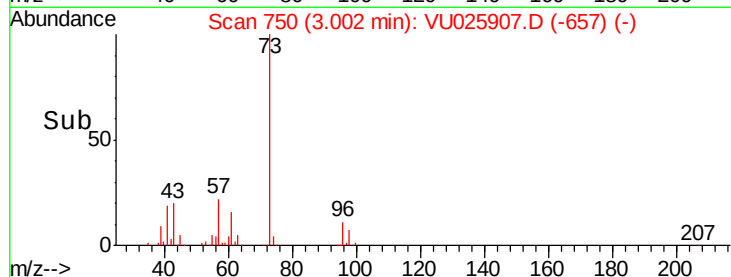
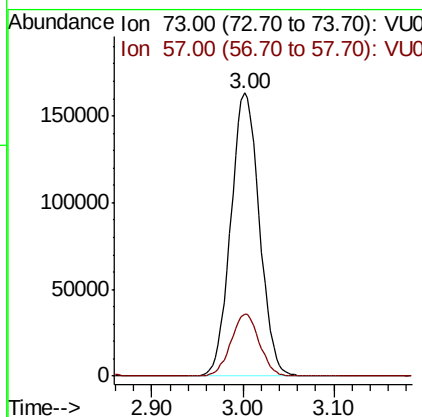
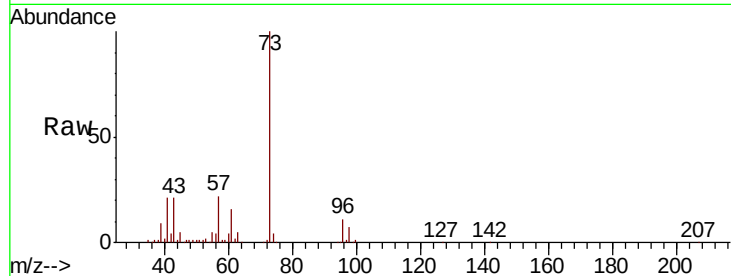
#19
Methyl tert-butyl Ether
Concen: 54.01 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.4	26.2

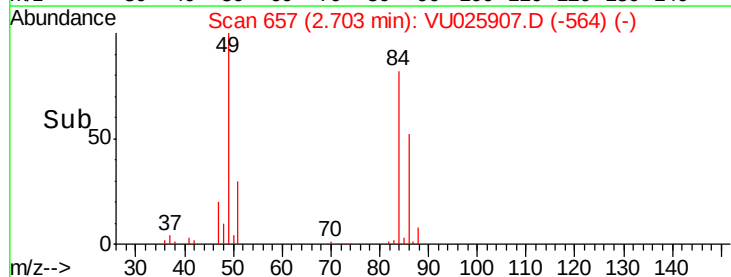
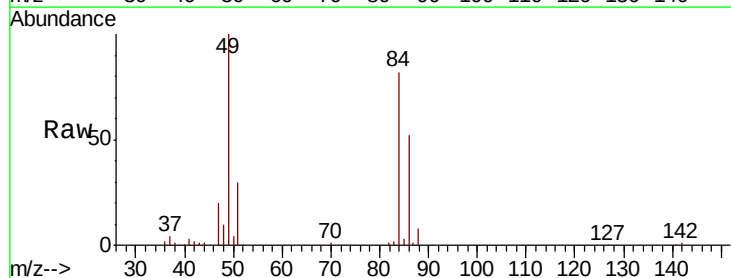
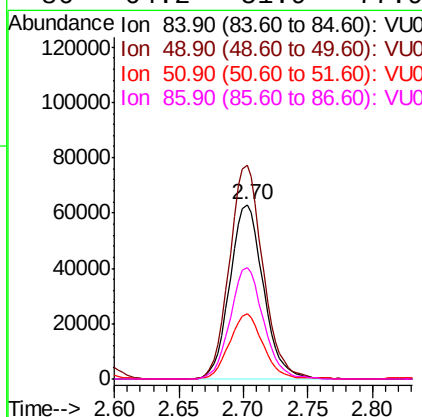
Manual Integrations
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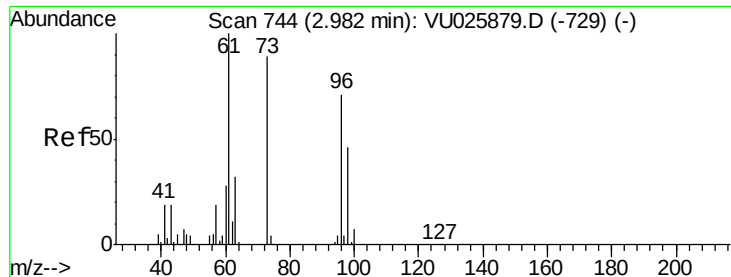
MMDadoda
8/7/2018 1:51:46 PM



#20
Methylene Chloride
Concen: 50.08 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.4	101.8	152.6
51	37.2	30.8	46.2
86	64.2	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 51.43 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

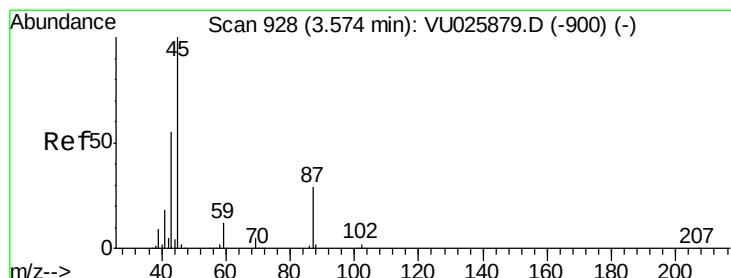
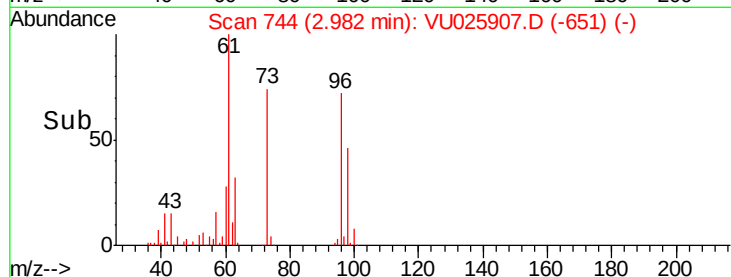
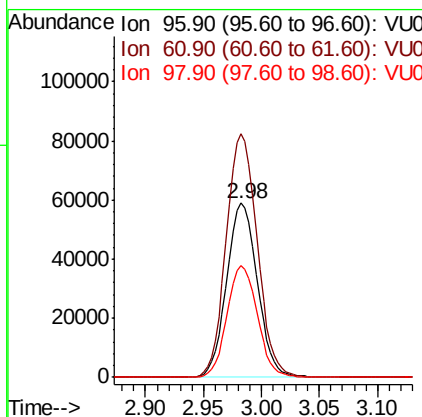
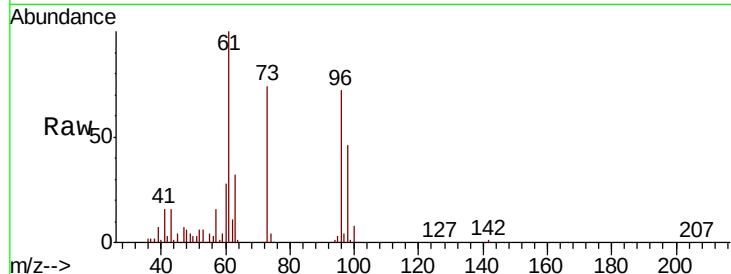
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108115
Ion	Ratio	Lower	Upper
96	100		
61	139.7	114.5	171.7
98	64.1	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.55 ug/l

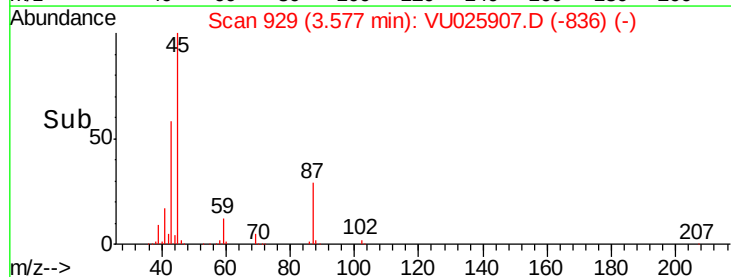
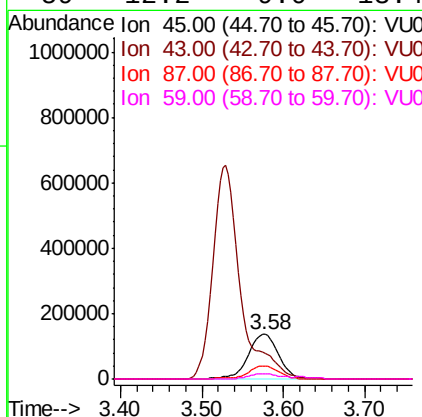
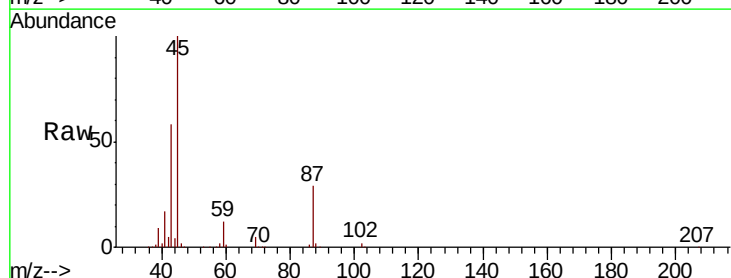
RT: 3.58 min Scan# 929

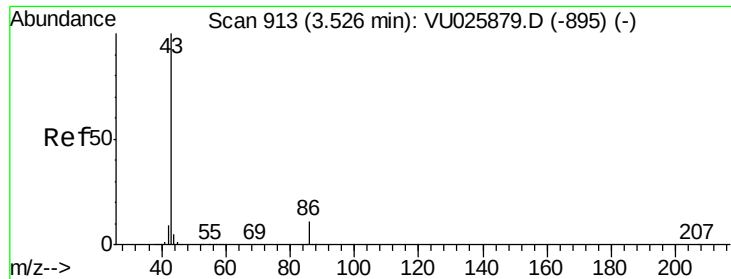
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	45	Resp:	351290
Ion	Ratio	Lower	Upper
45	100		
43	57.5	50.9	76.3
87	28.9	23.8	35.8
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 278.28 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1561811

Ion Ratio Lower Upper

43 100

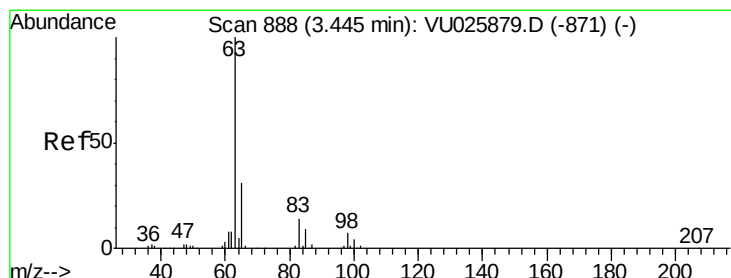
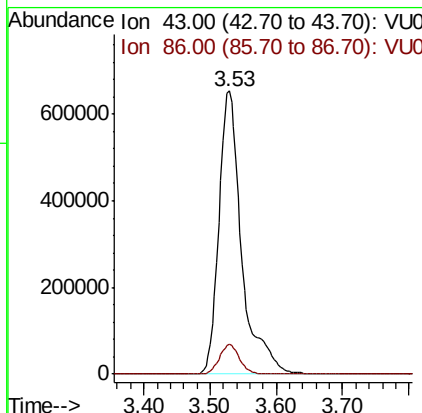
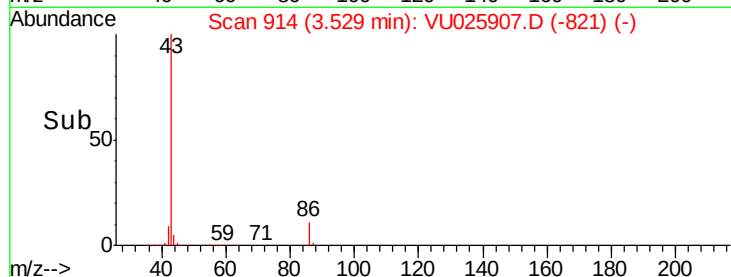
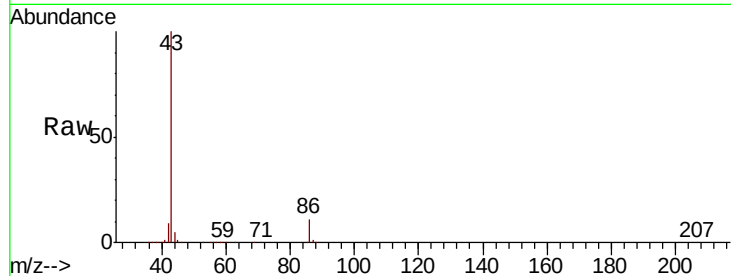
86 10.5 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.82 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

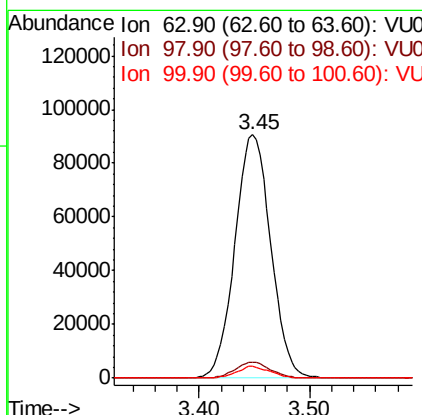
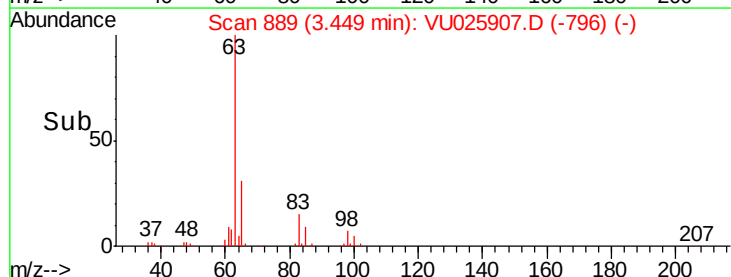
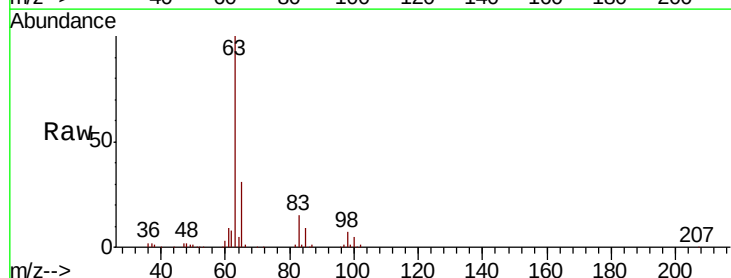
Tgt Ion: 63 Resp: 204194

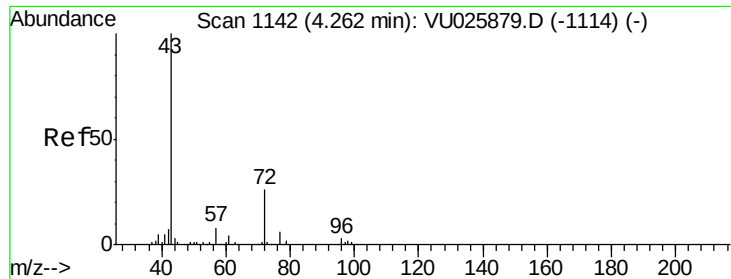
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 4.7 2.0 6.0





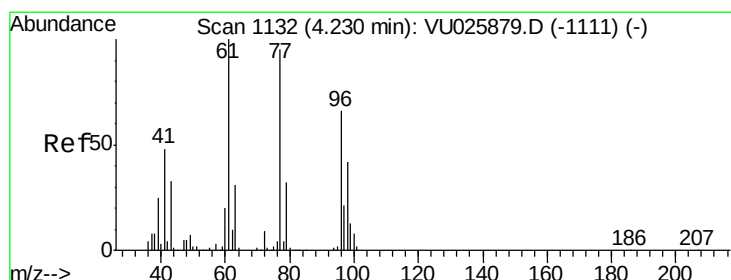
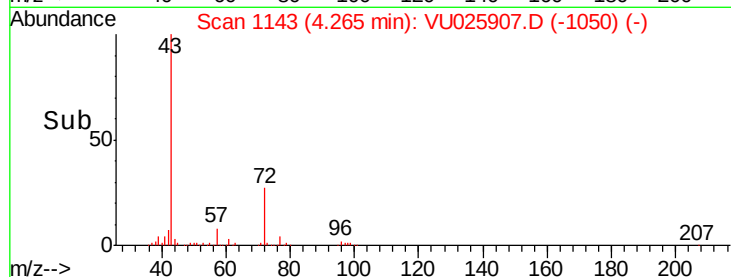
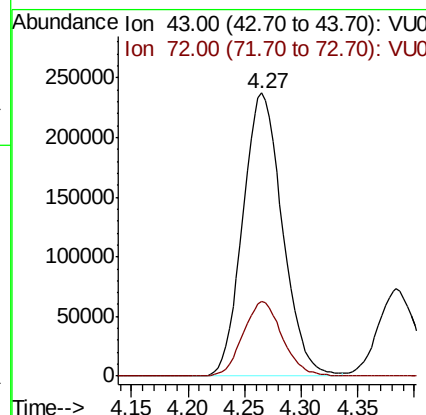
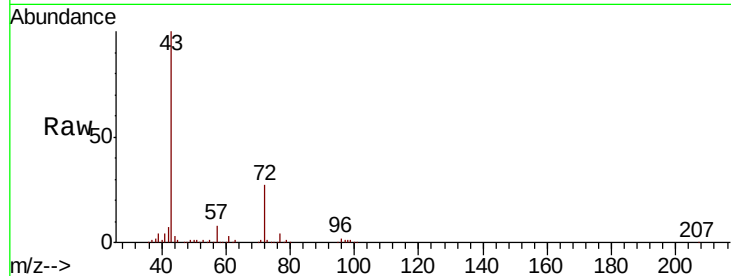
#25
2-Butanone
Concen: 329.43 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	576983
Ion Ratio	43	100	
Lower	72	26.6	21.0
Upper			31.4

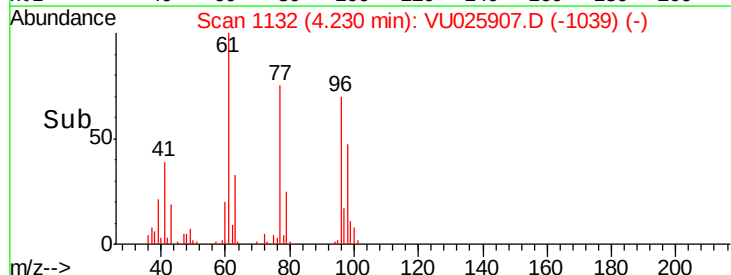
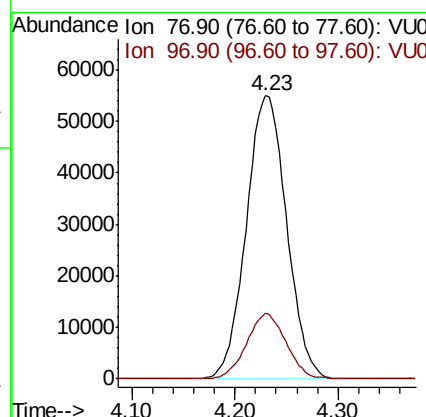
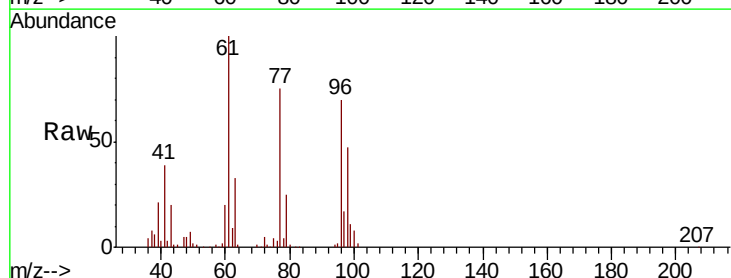
Manual Integrations
APPROVED

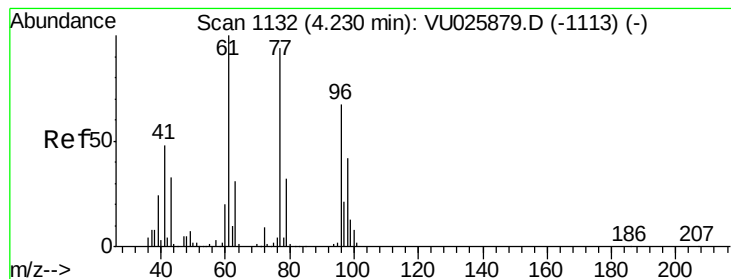
MMDadoda
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#26
2,2-Dichloropropane
Concen: 42.53 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	77	Resp	149430
Ion Ratio	77	100	
Lower	97	22.6	11.2
Upper			33.5





#27

cis-1,2-Dichloroethene

Concen: 50.69 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

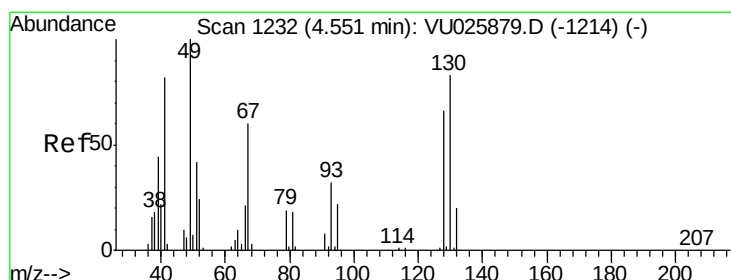
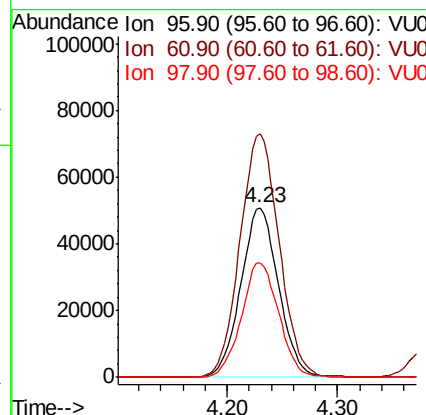
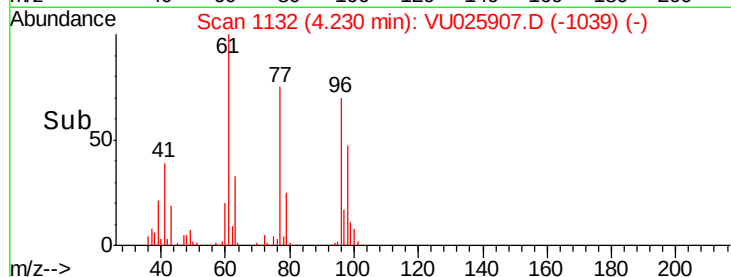
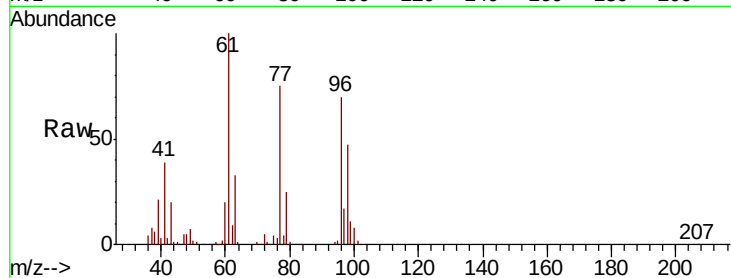
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	120141
Ion Ratio	Lower	Upper	
96	100		
61	149.9	0.0	299.8
98	67.0	0.0	128.6

Manual Integrations
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8/7/2018 1:51:46 PM



#28

Bromochloromethane

Concen: 51.34 ug/l

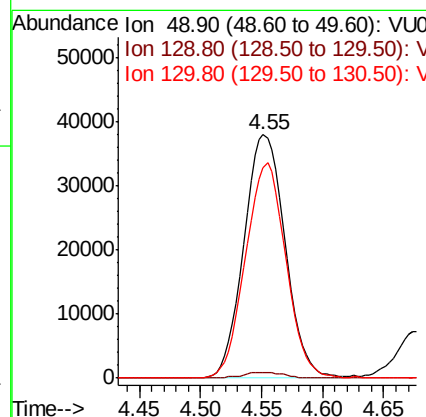
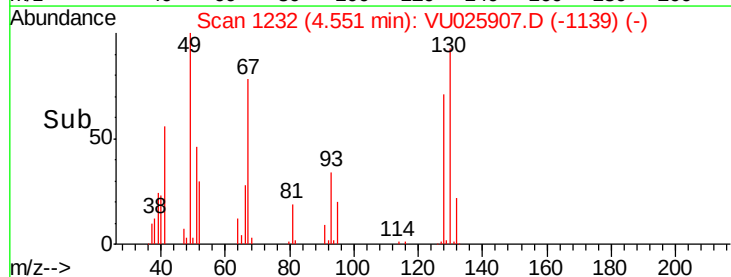
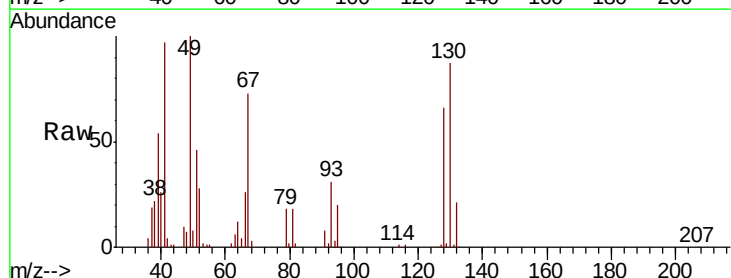
RT: 4.55 min Scan# 1232

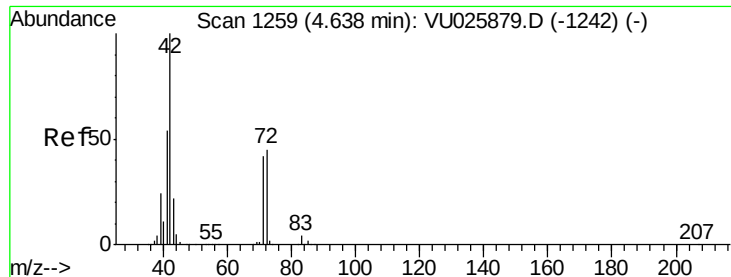
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	49	Resp:	88745
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.6
130	86.6	68.6	102.8





#29

Tetrahydrofuran

Concen: 275.45 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

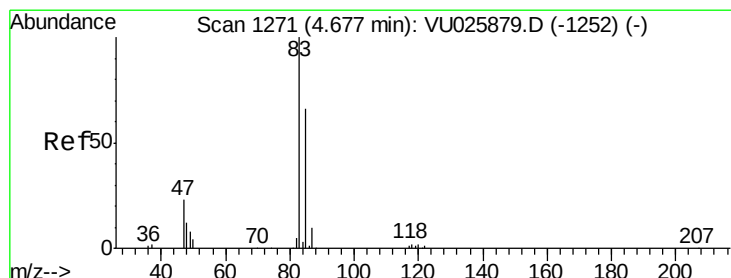
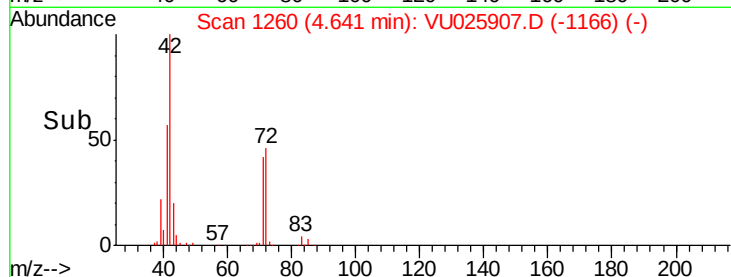
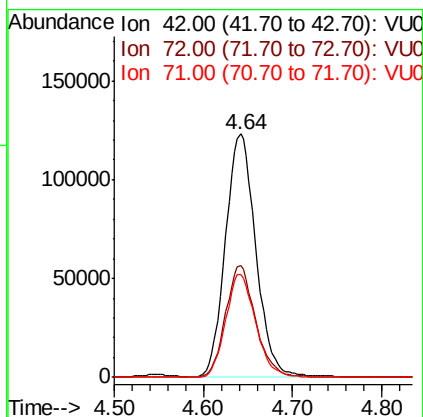
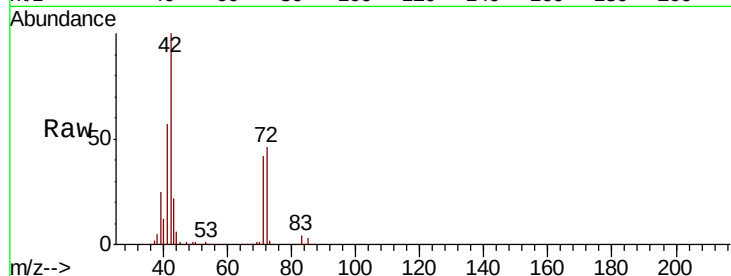
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	289033
Ion Ratio		Lower	Upper
42	100		
72	45.7	36.7	55.1
71	42.1	33.9	50.9

Manual Integrations
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MMDadoda
8/7/2018 1:51:46 PM



#30

Chloroform

Concen: 52.22 ug/l

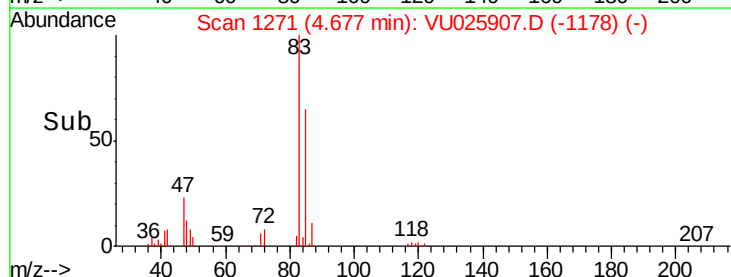
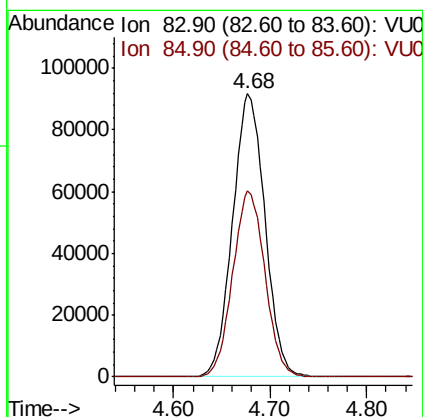
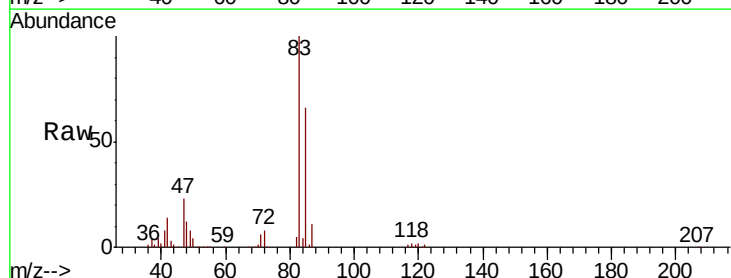
RT: 4.68 min Scan# 1271

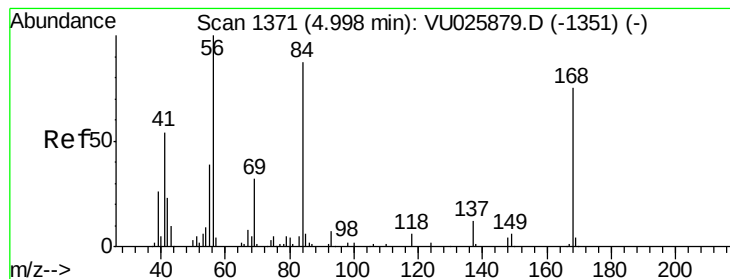
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	83	Resp:	213073
Ion Ratio		Lower	Upper
83	100		
85	65.5	51.5	77.3





#31

Cyclohexane

Concen: 52.51 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 176363

Ion Ratio Lower Upper

56 100

69 31.6 26.8 40.2

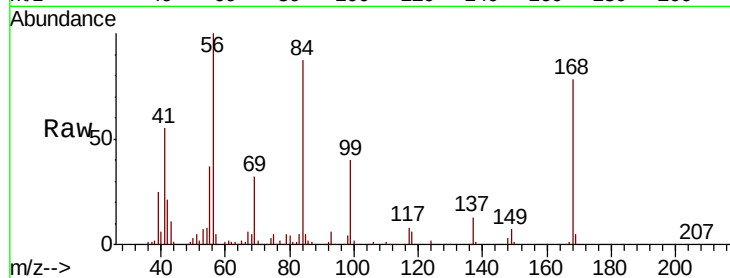
84 85.5 69.7 104.5

Manual Integrations

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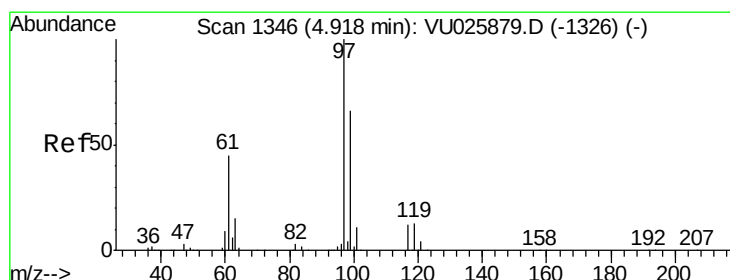
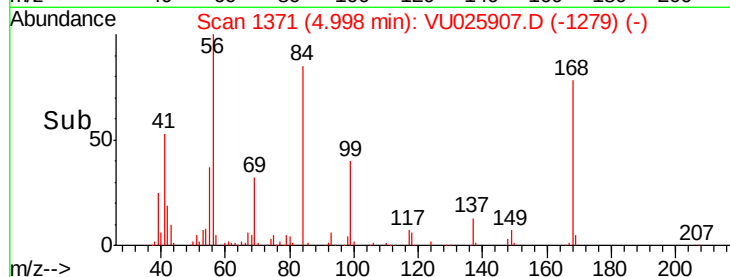
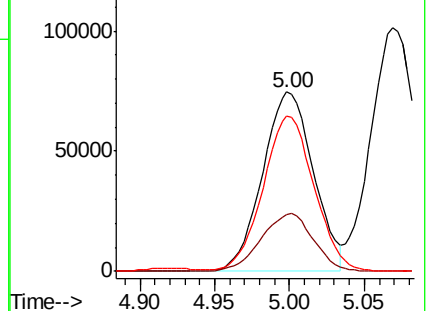
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 52.55 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

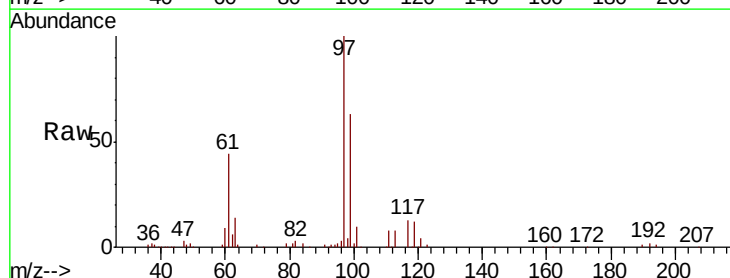
Tgt Ion: 97 Resp: 193078

Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

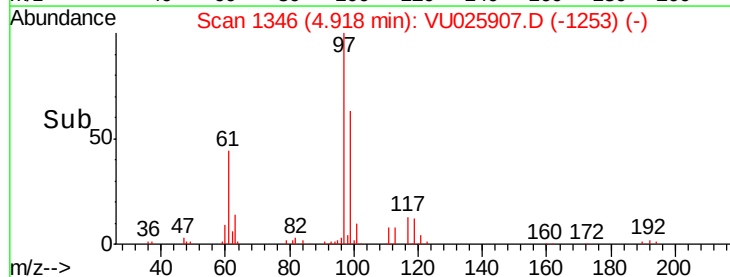
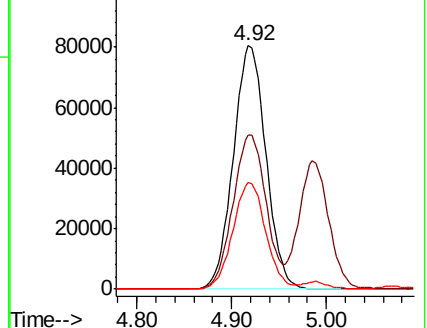
61 44.0 35.2 52.8

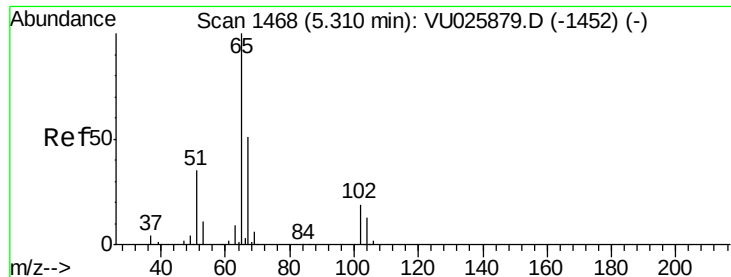


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





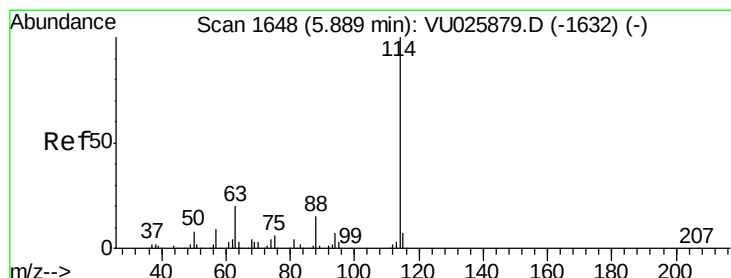
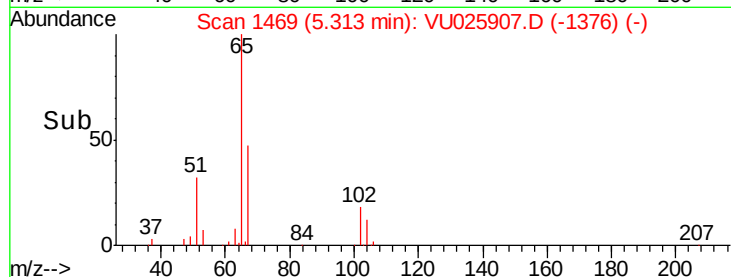
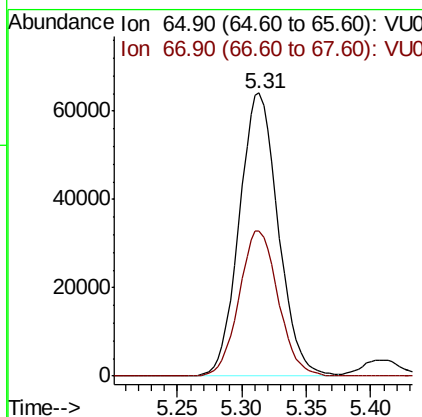
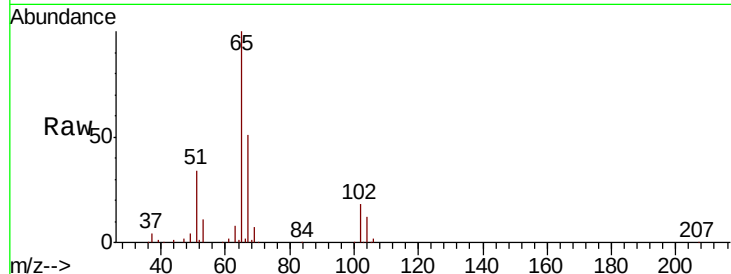
#33
 1,2-Dichloroethane-d4
 Concen: 51.08 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	134793		
67	51.6	0.0	103.6	

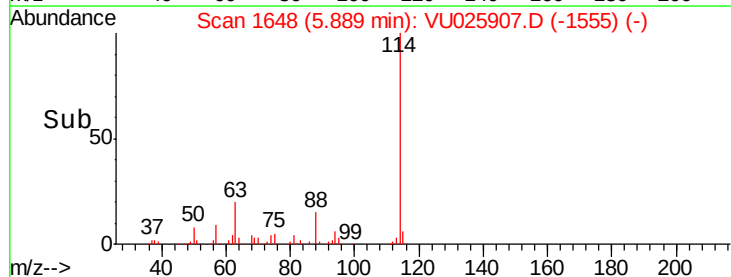
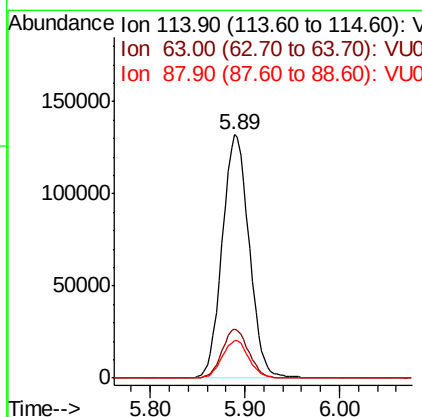
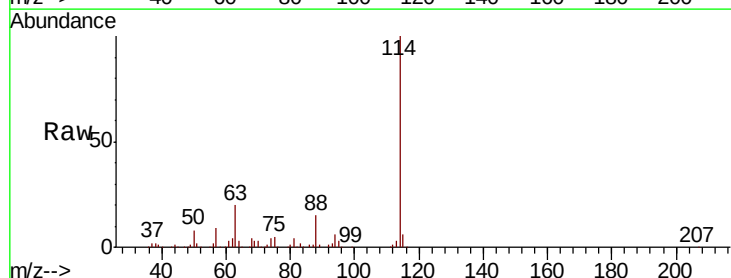
Manual Integrations
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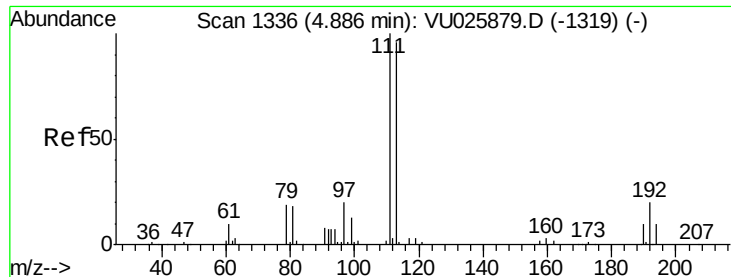
MMDadoda
 8/7/2018 1:51:46 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	261202		
63	20.1	0.0	41.6	
88	15.3	0.0	32.4	





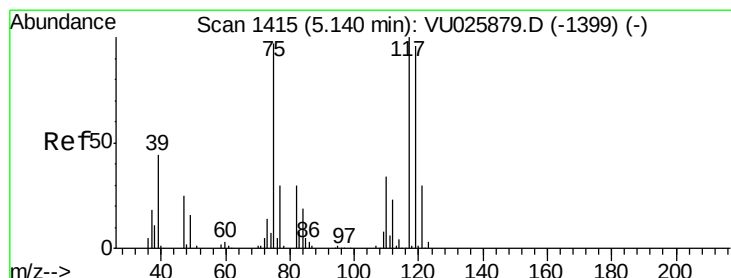
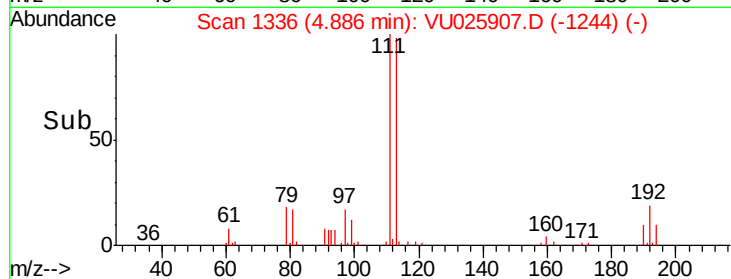
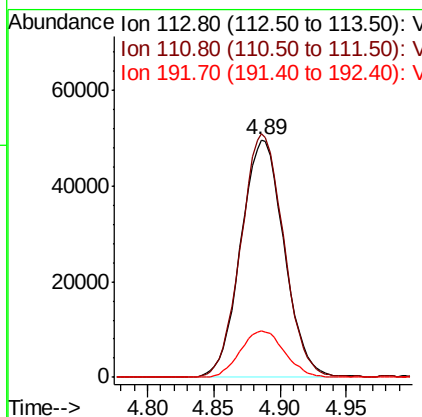
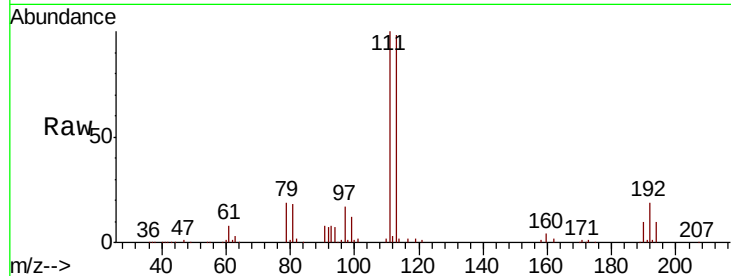
#35
 Dibromofluoromethane
 Concen: 49.70 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.7	122.5	
192	20.0	17.1	25.7	

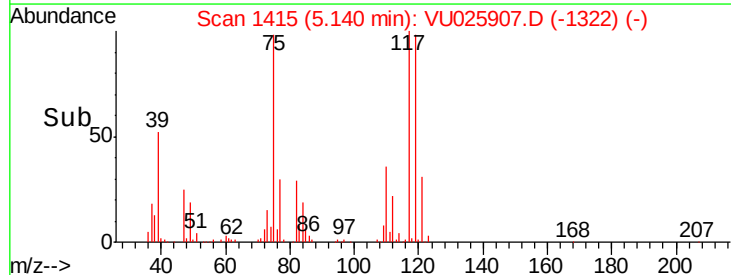
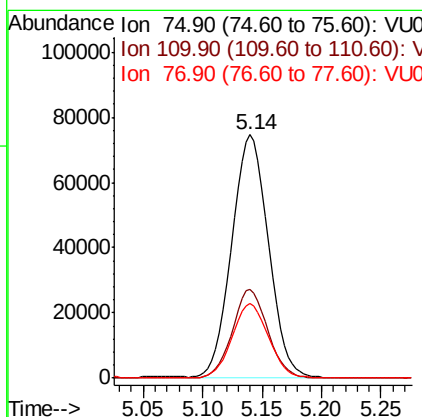
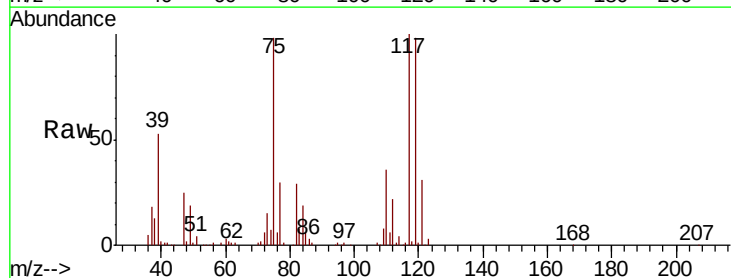
Manual Integrations
 APPROVED

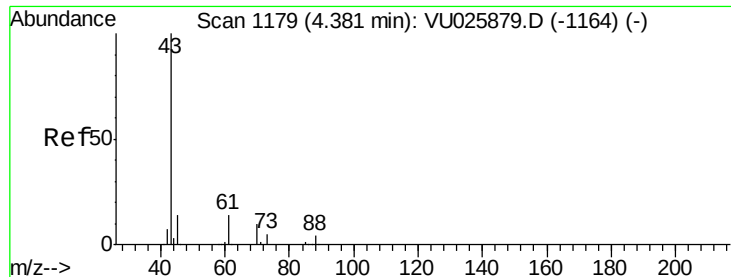
MMDadoda
 8/7/2018 1:51:46 PM



#36
 1,1-Dichloropropene
 Concen: 52.06 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.2	17.6	52.9	
77	30.7	24.4	36.6	





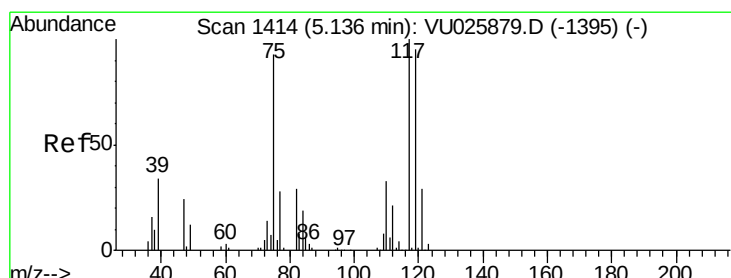
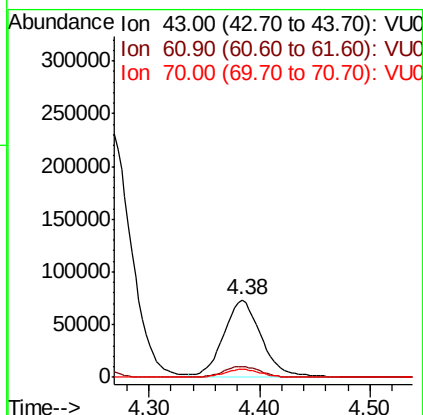
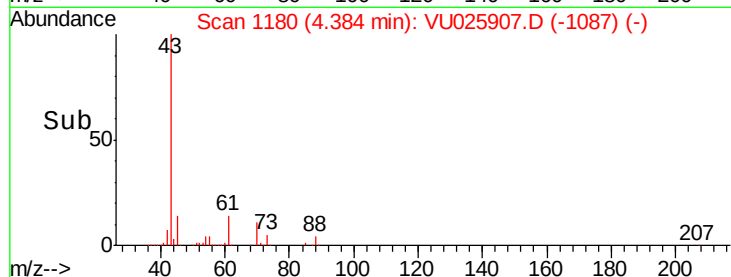
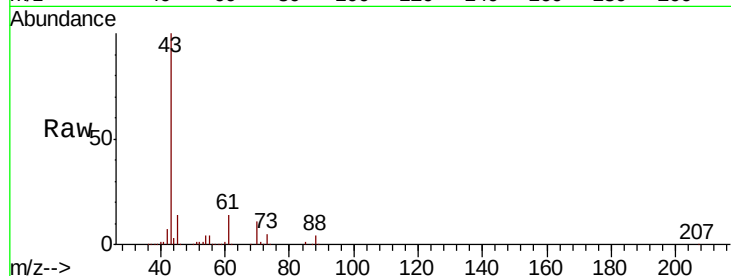
#37
Ethyl Acetate
Concen: 54.32 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	10.4	8.4	12.6

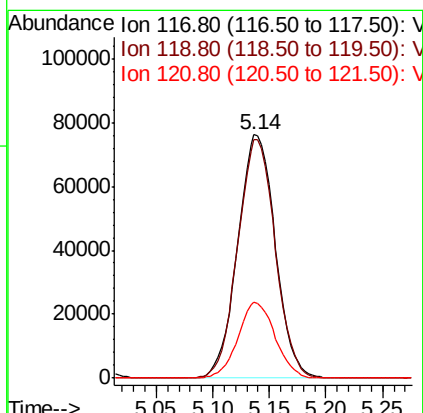
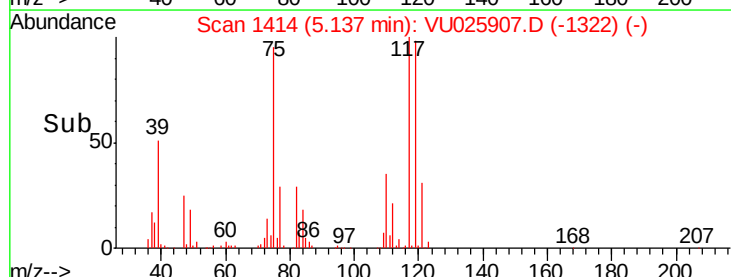
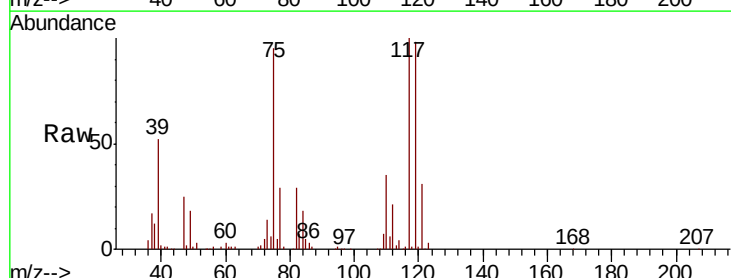
Manual Integrations
APPROVED

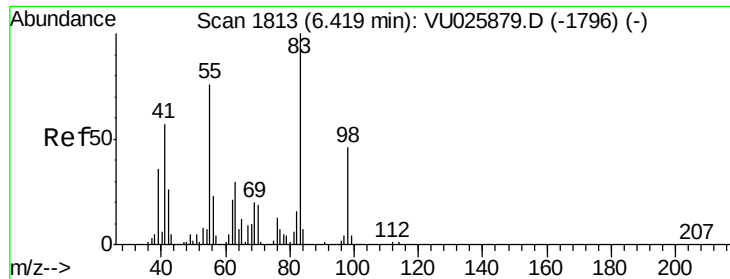
MMDadoda
8/7/2018 1:51:46 PM



#38
Carbon Tetrachloride
Concen: 50.92 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	75.7	113.5
121	31.2	24.6	36.8





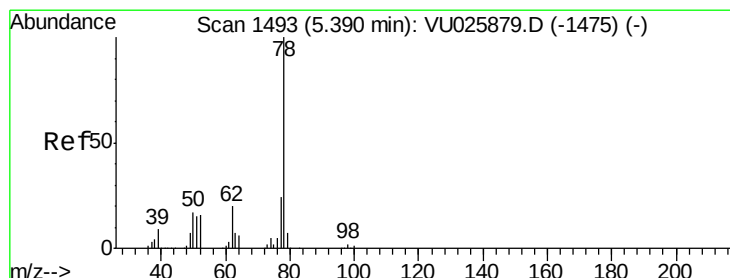
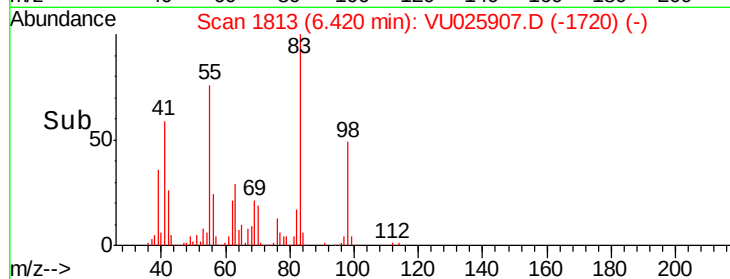
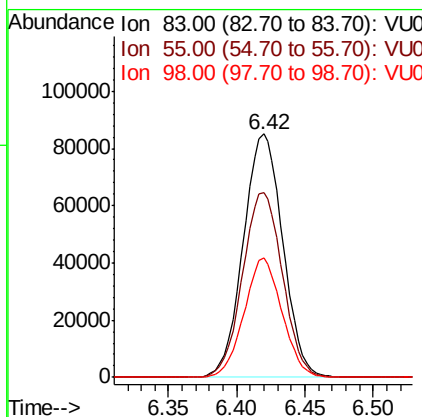
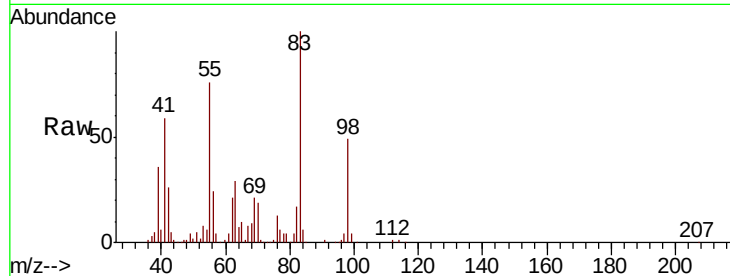
#39
Methylvlcyclohexane
Concen: 48.92 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	171110		
55	76.1		60.0	90.0
98	49.0		36.1	54.1

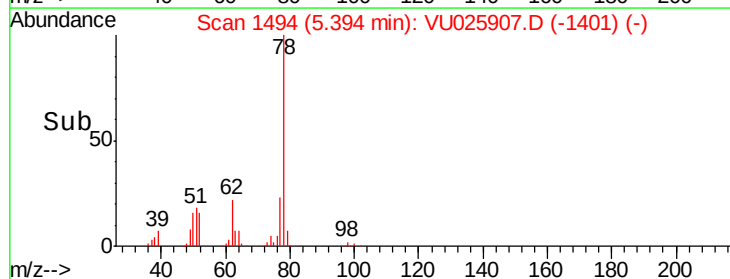
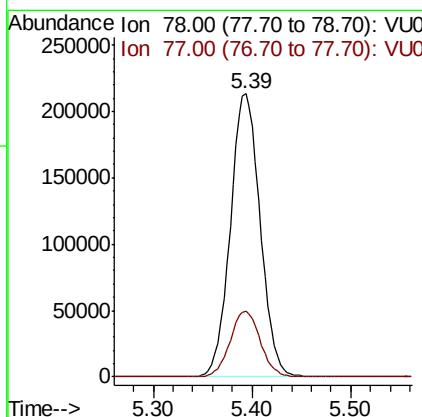
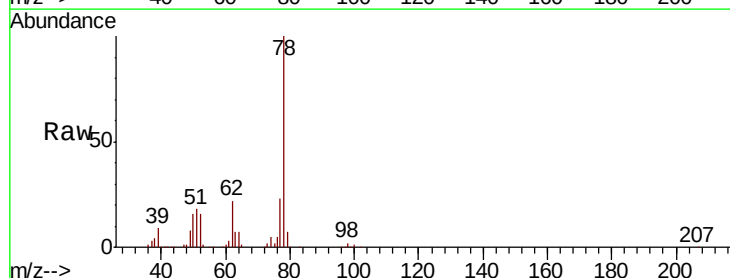
Manual Integrations
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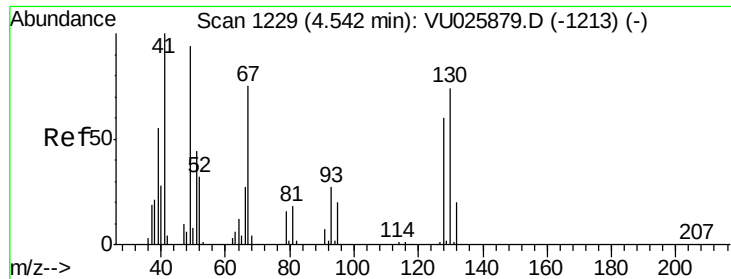
MMDadoda
8/7/2018 1:51:46 PM



#40
Benzene
Concen: 50.22 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	448119		
77	23.2		19.8	29.6





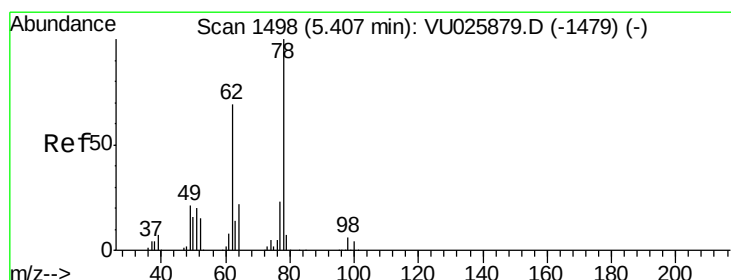
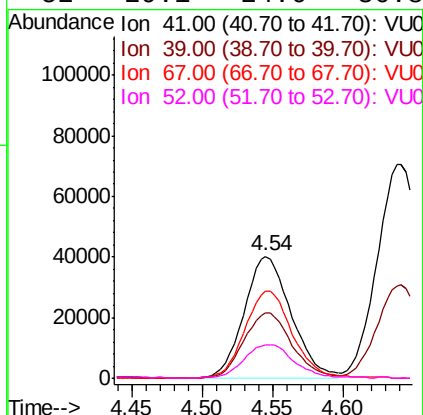
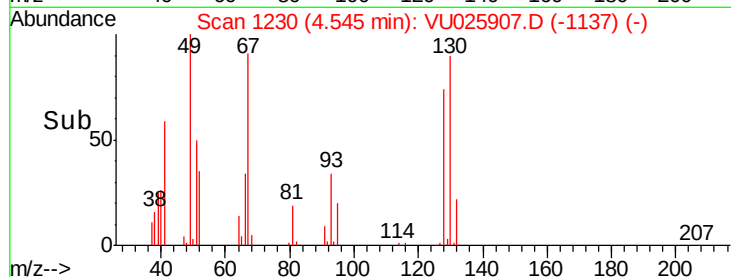
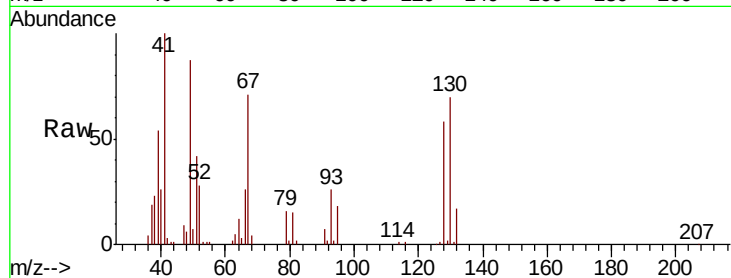
#41
Methacrylonitrile
Concen: 53.23 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	44.4	66.6	
67	72.3	56.0	84.0	
52	29.1	24.6	36.8	

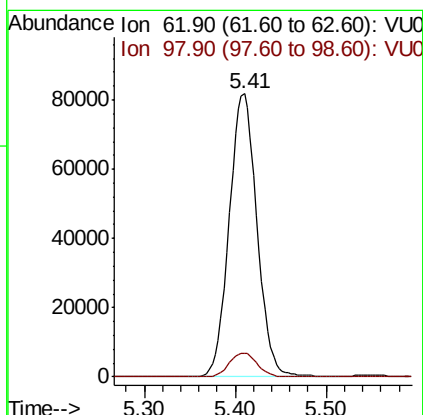
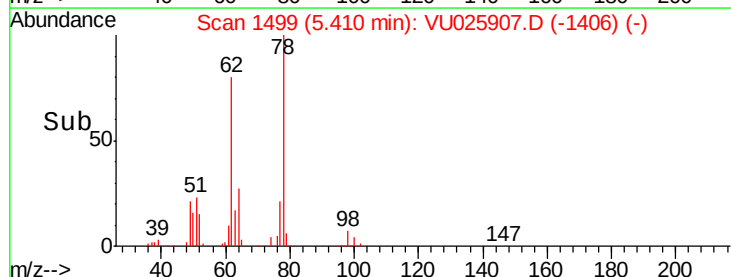
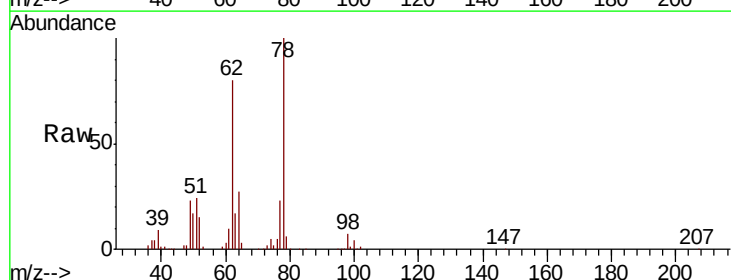
Manual Integrations
APPROVED

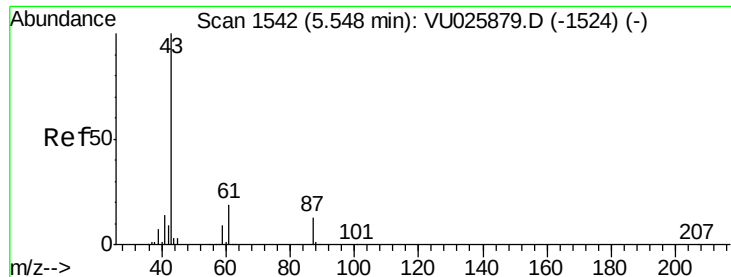
MMDadoda
8/7/2018 1:51:46 PM



#42
1,2-Dichloroethane
Concen: 50.53 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.4	





#43

Isopropyl Acetate

Concen: 52.26 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

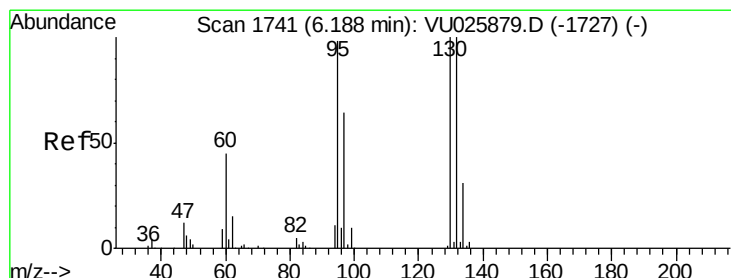
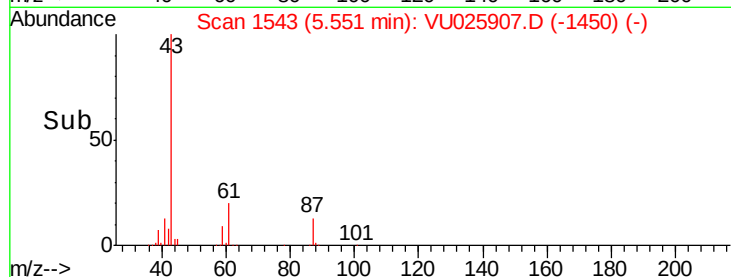
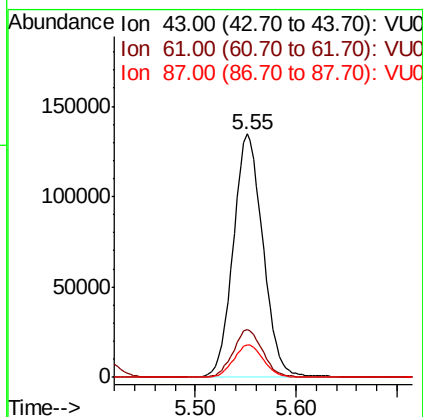
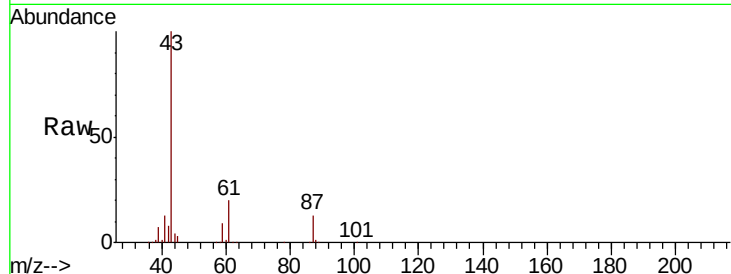
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	273362
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	13.4	10.6	16.0

Manual Integrations
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8/7/2018 1:51:46 PM



#44

Trichloroethene

Concen: 50.47 ug/l

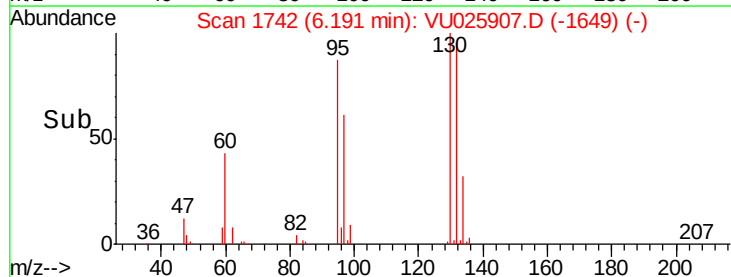
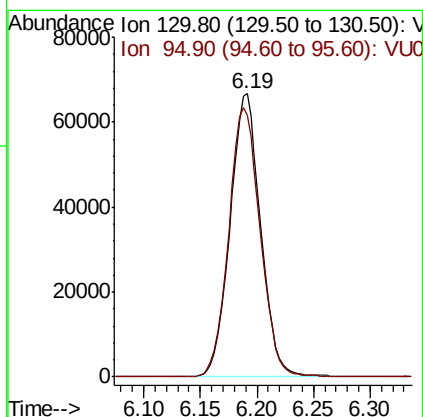
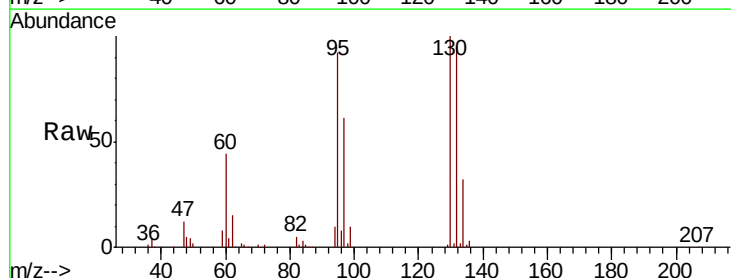
RT: 6.19 min Scan# 1742

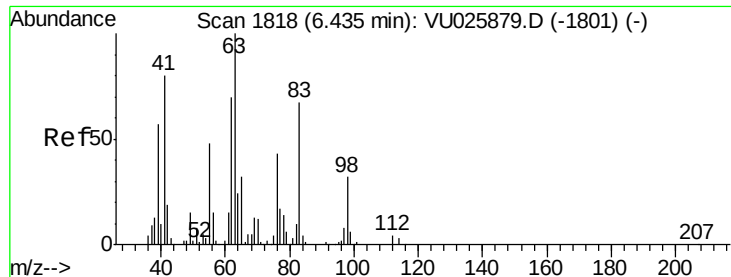
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	130	Resp:	125425
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	192.2





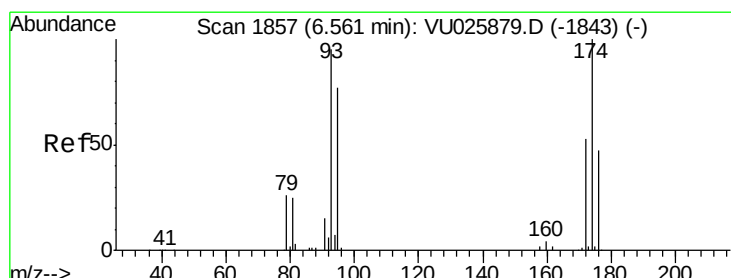
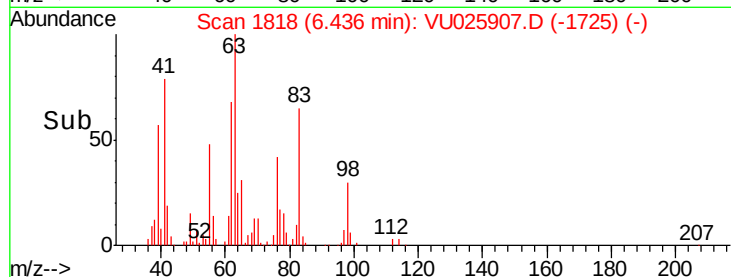
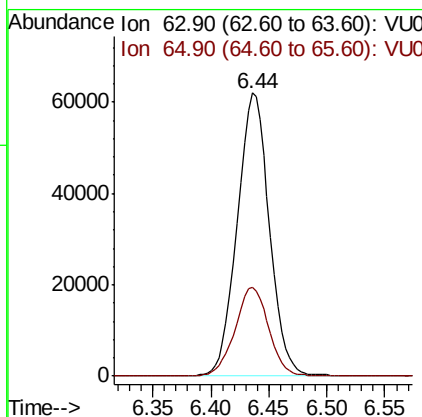
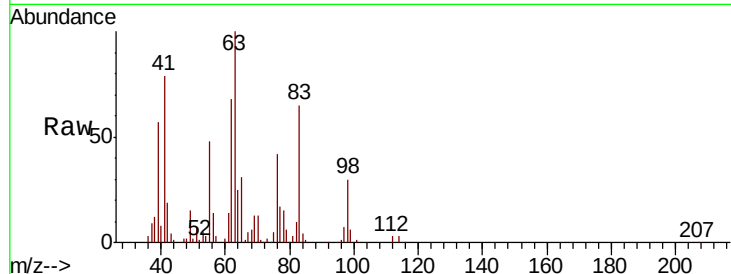
#45
 1,2-Dichloropropane
 Concen: 51.24 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 119230
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.1 39.1

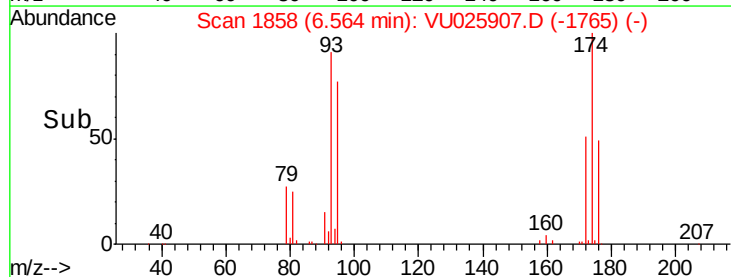
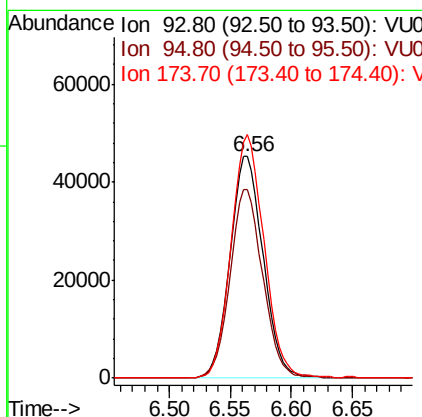
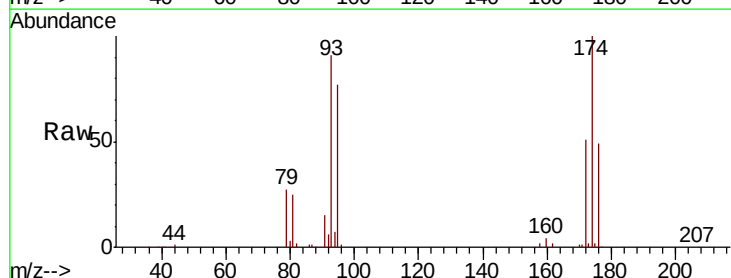
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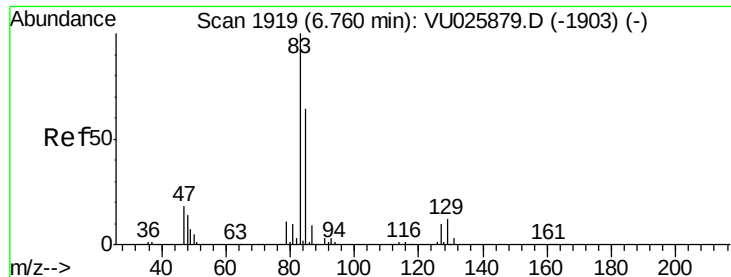
MMDadoda
 8/7/2018 1:51:46 PM



#46
 Dibromomethane
 Concen: 50.72 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion: 93 Resp: 85522
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 108.8 85.8 128.8





#47

Bromodichloromethane

Concen: 52.40 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

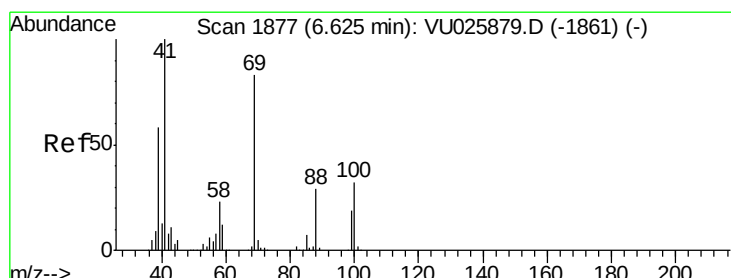
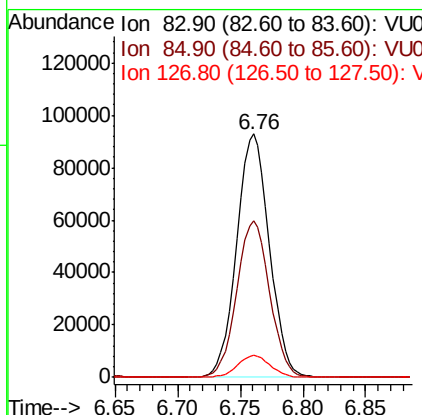
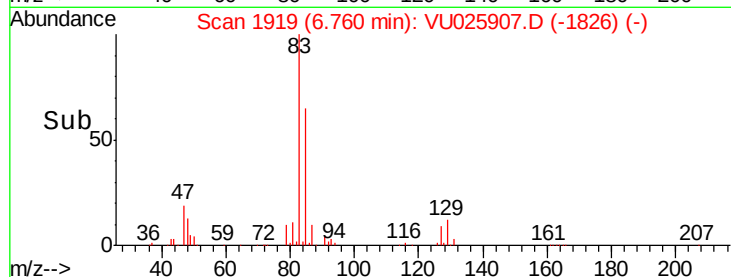
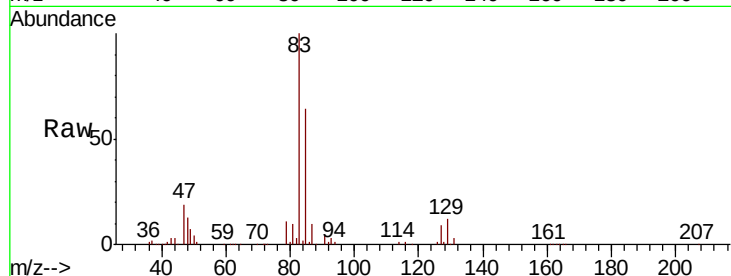
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	168533
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.4
127	9.0	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:46 PM



#48

Methyl methacrylate

Concen: 54.29 ug/l

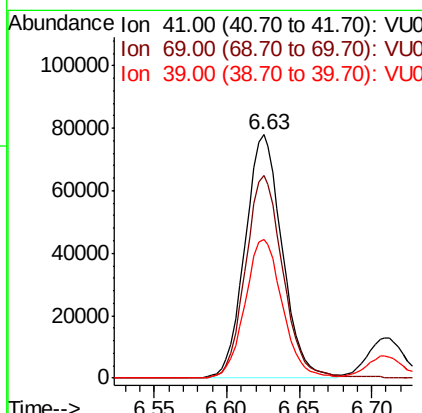
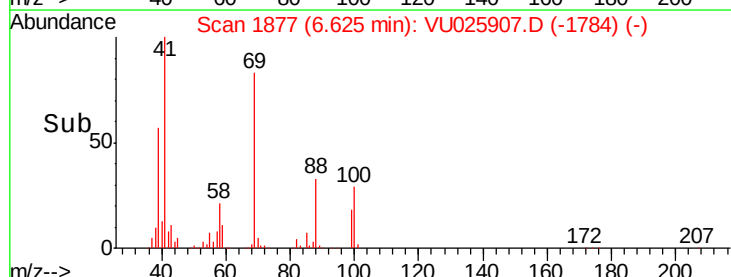
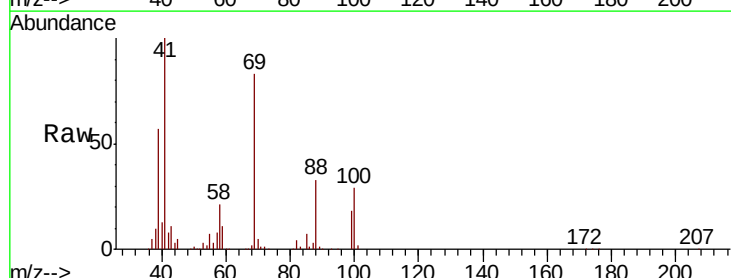
RT: 6.63 min Scan# 1877

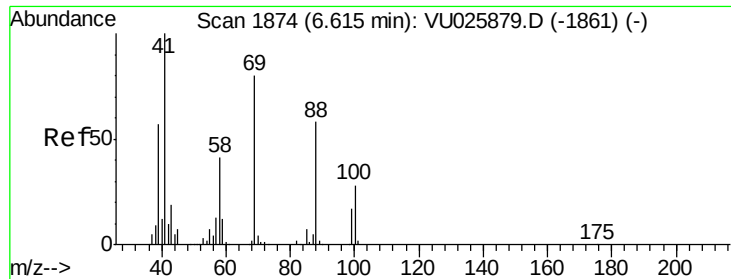
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	41	Resp:	139176
Ion	Ratio	Lower	Upper
41	100		
69	84.0	65.0	97.4
39	57.3	46.4	69.6





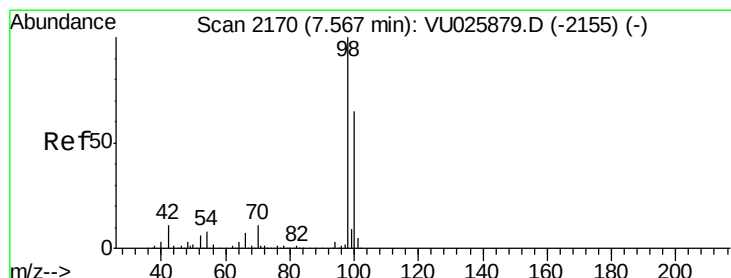
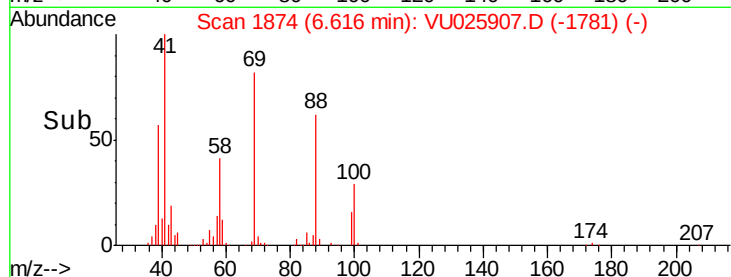
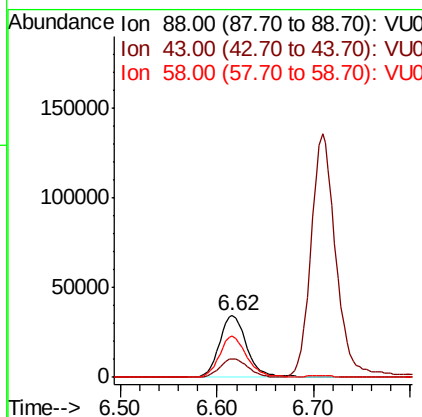
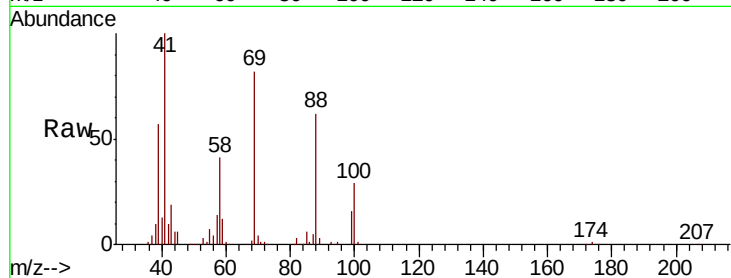
#49
1,4-Dioxane
Concen: 1067.45 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.7	27.3	40.9	
58	66.6	57.6	86.4	

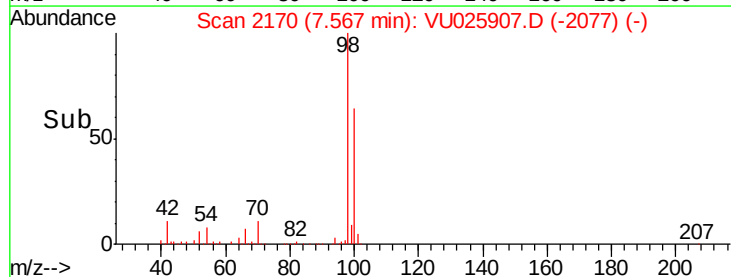
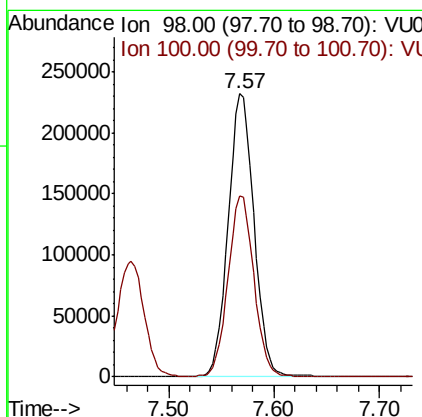
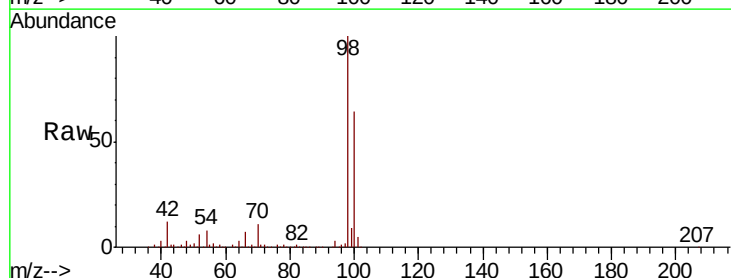
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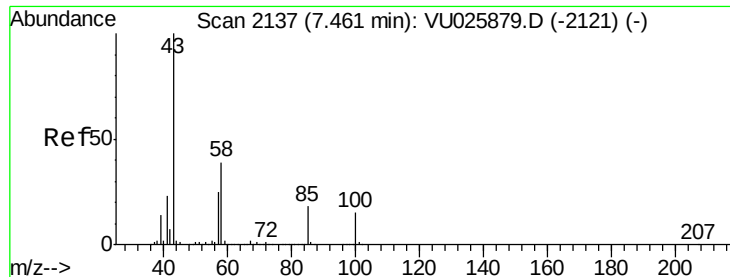
MMDadoda
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#50
Toluene-d8
Concen: 49.52 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.3	51.1	76.7	





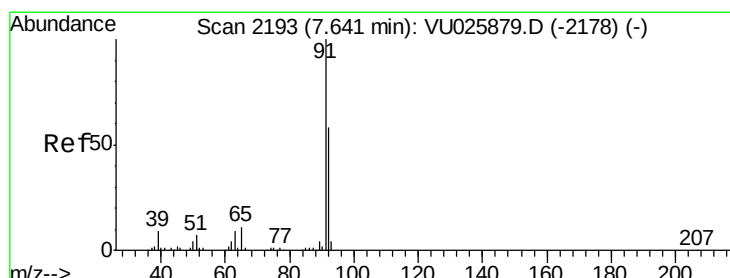
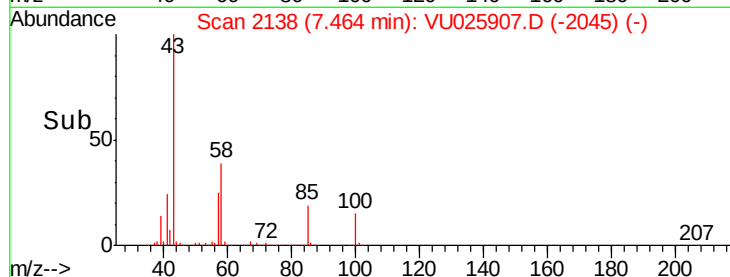
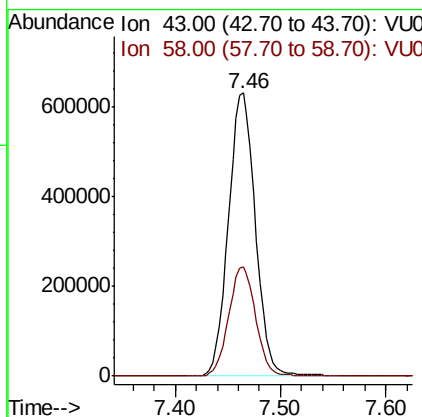
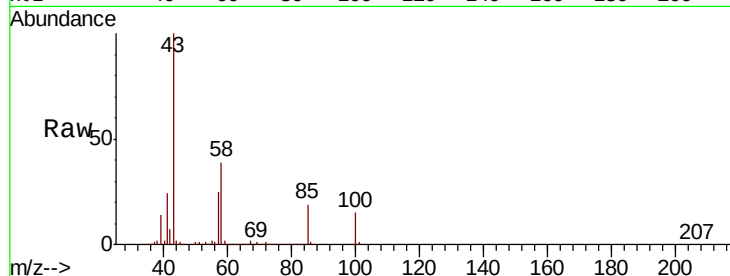
#51
4-Methyl-2-Pentanone
Concen: 340.12 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1113765
Ion Ratio Lower Upper
43 100
58 38.6 31.0 46.4

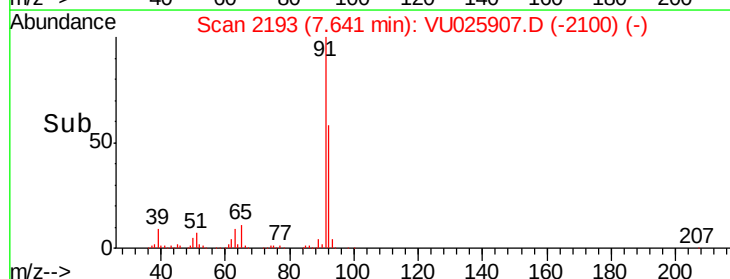
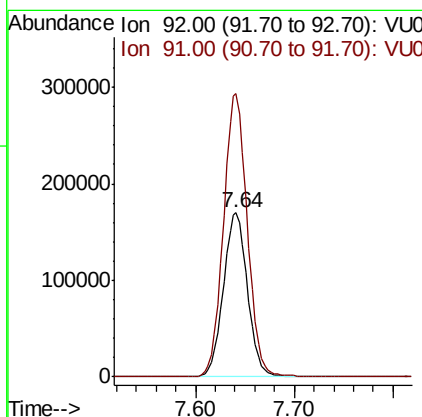
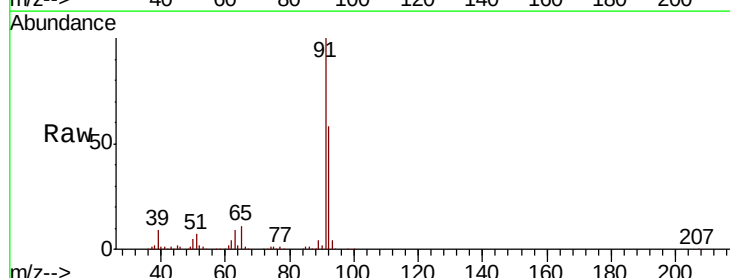
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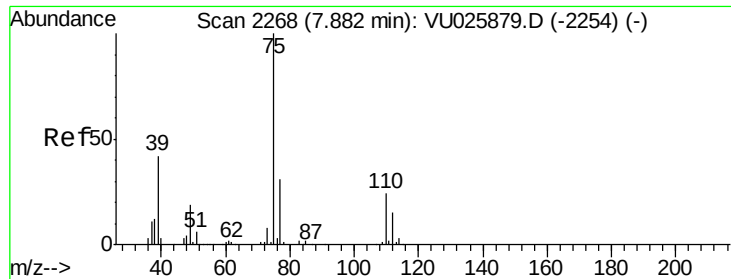
MMDadoda
8/7/2018 1:51:46 PM



#52
Toluene
Concen: 52.47 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion: 92 Resp: 290836
Ion Ratio Lower Upper
92 100
91 171.1 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 51.85 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 187257

Ion Ratio Lower Upper

75 100

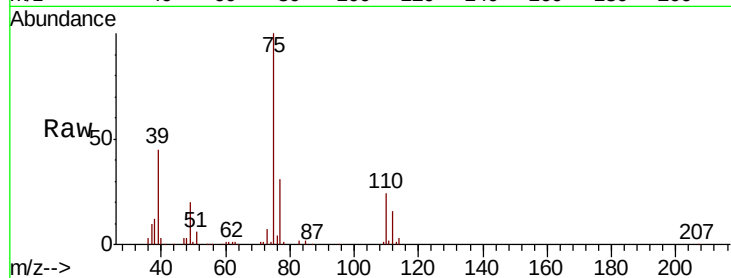
77 31.4 24.5 36.7

Manual Integrations

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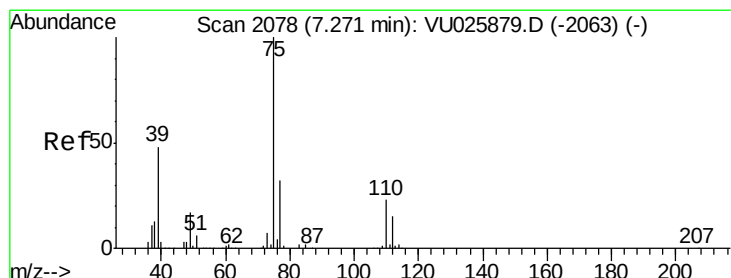
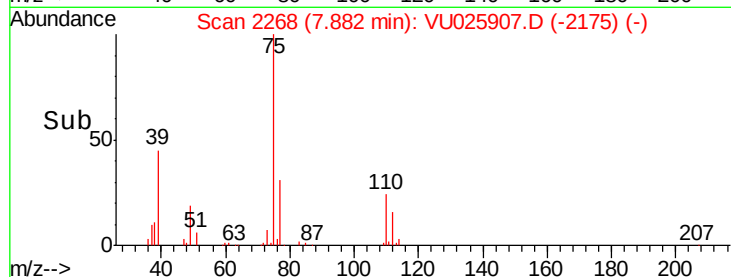
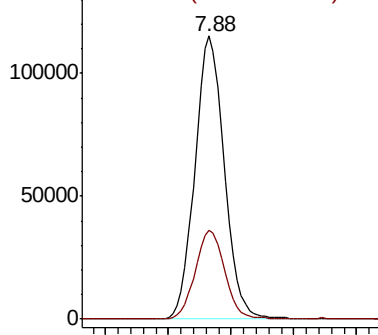
MMDadoda

8/7/2018 1:51:46 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 52.08 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

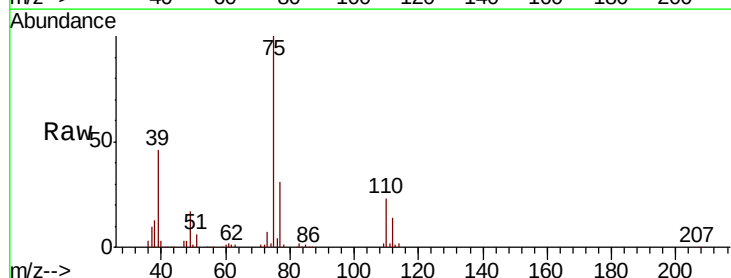
Tgt Ion: 75 Resp: 193198

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4

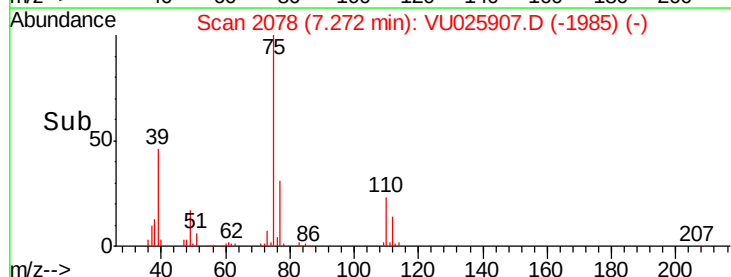
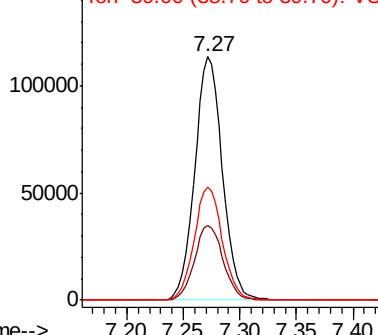
39 46.3 40.0 60.0

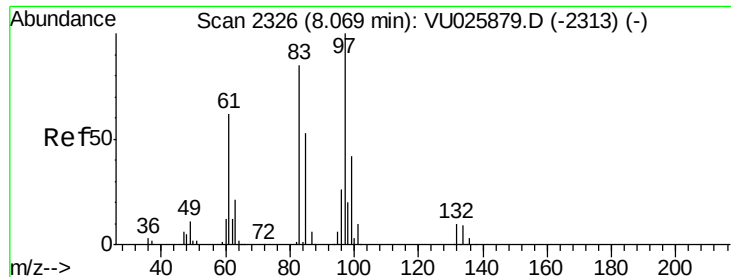


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





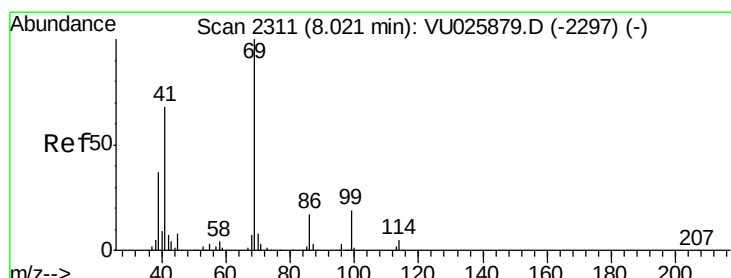
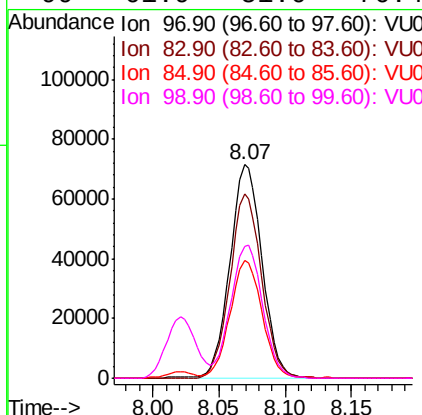
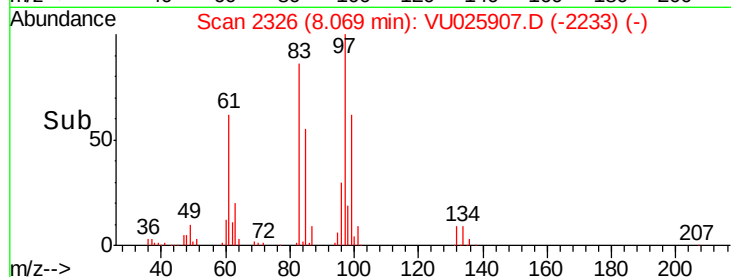
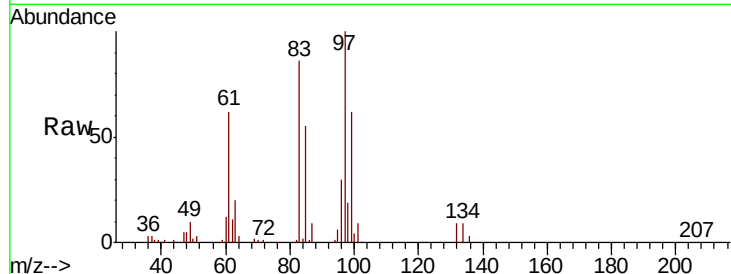
#55
 1,1,2-Trichloroethane
 Concen: 51.83 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		119391		
83	86.3	68.9	103.3		
85	54.9	44.4	66.6		
99	61.9	51.0	76.4		

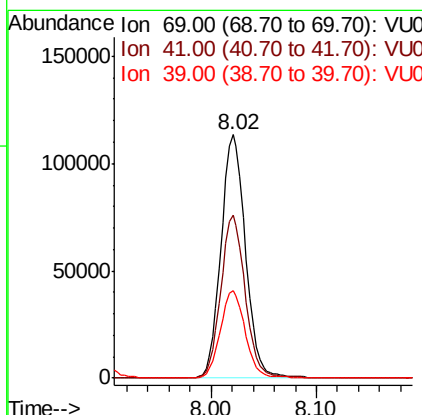
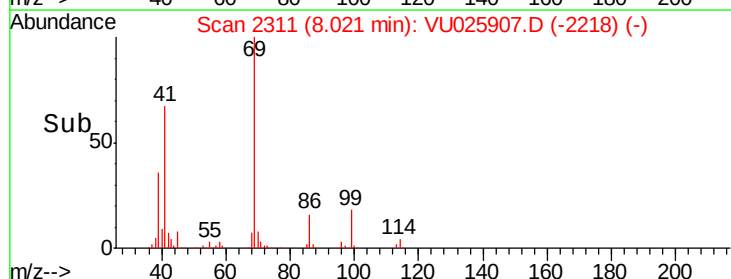
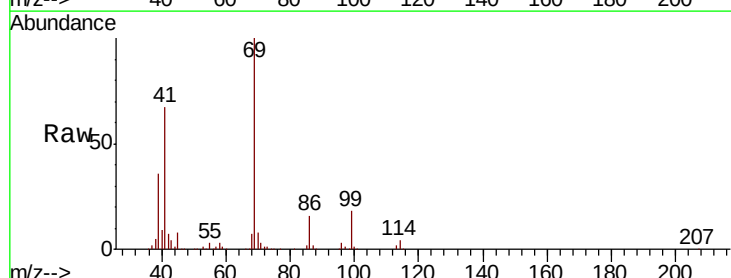
Manual Integrations
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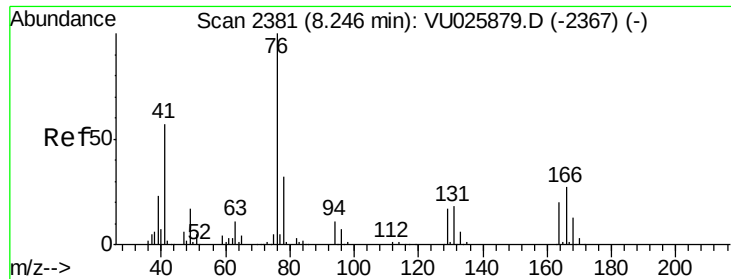
MMDadoda
 8/7/2018 1:51:46 PM



#56
 Ethyl methacrylate
 Concen: 55.55 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		182833		
41	66.8	54.8	82.2		
39	35.8	31.1	46.7		





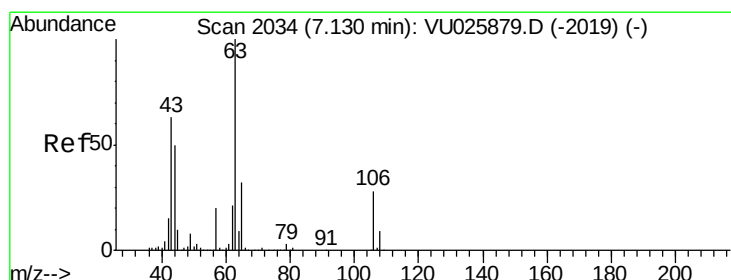
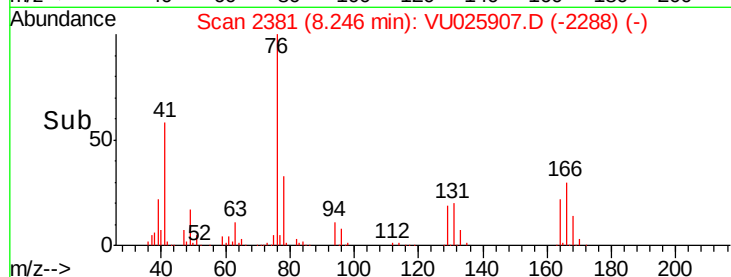
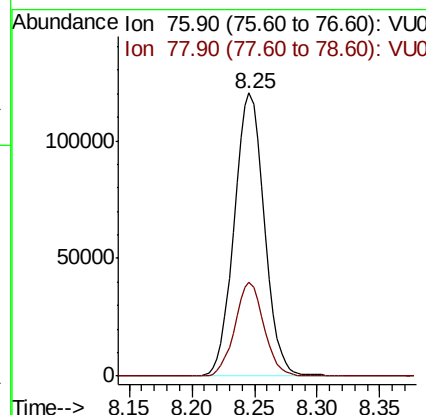
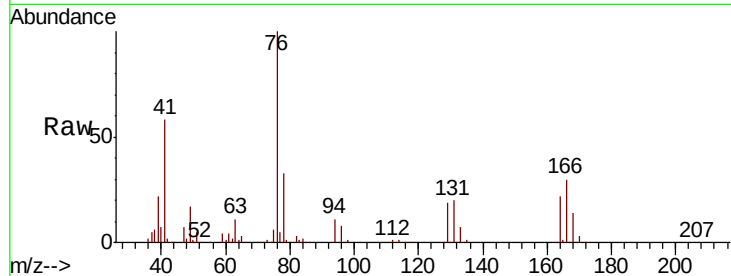
#57
 1,3-Dichloropropane
 Concen: 51.80 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

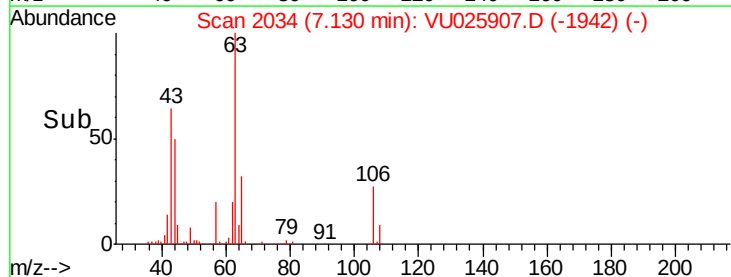
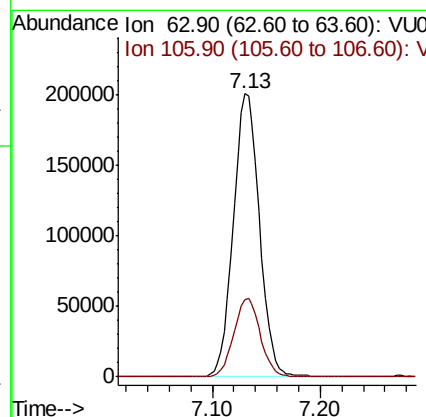
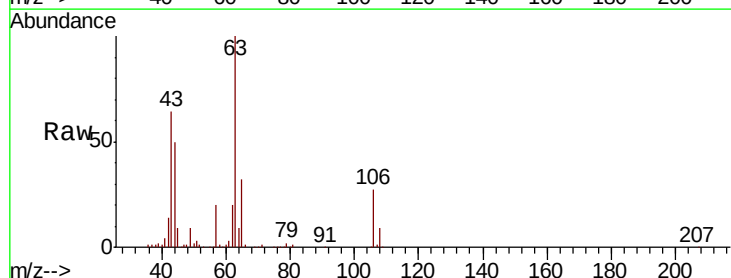
Manual Integrations
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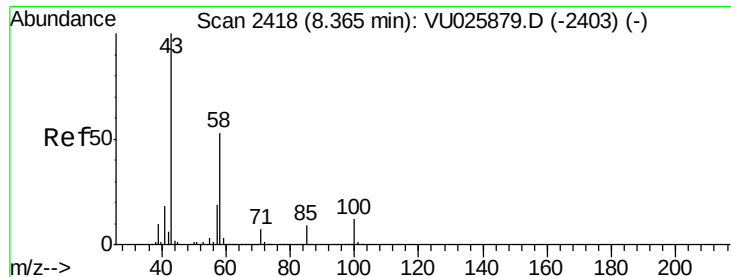
MMDadoda
 8/7/2018 1:51:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.85 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.3	33.5





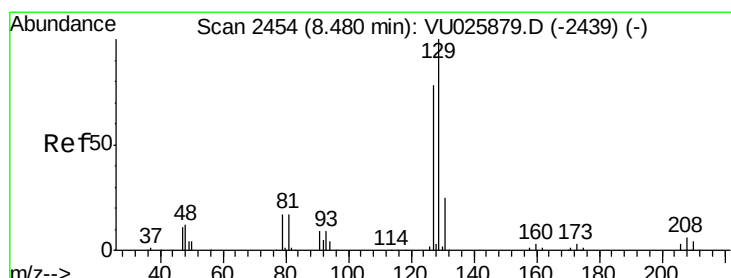
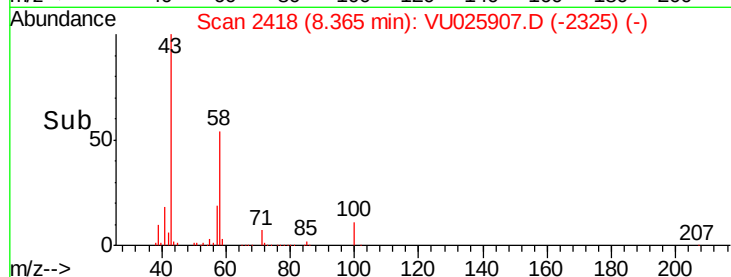
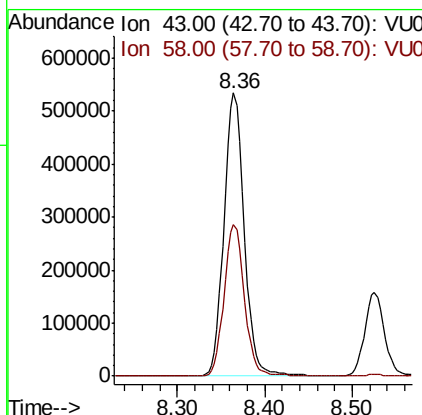
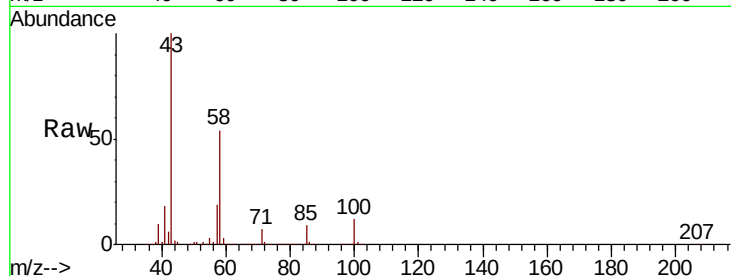
#59
2-Hexanone
Concen: 335.94 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	862312
Ion Ratio	100	Lower	Upper
43	100		
58	53.8	26.2	78.5

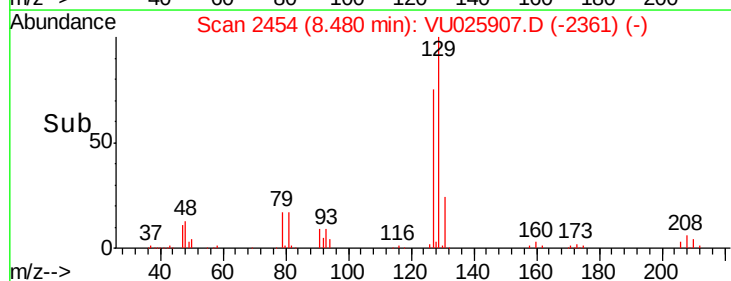
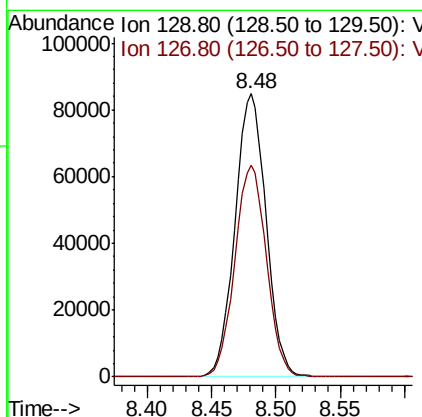
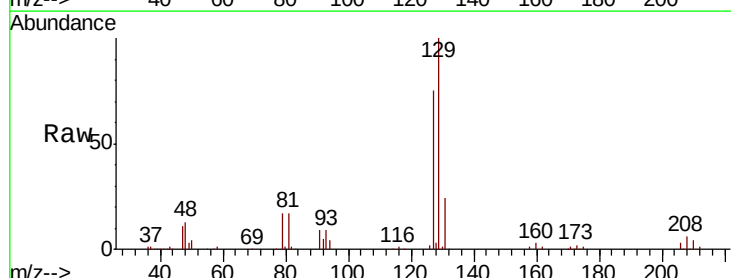
Manual Integrations
APPROVED

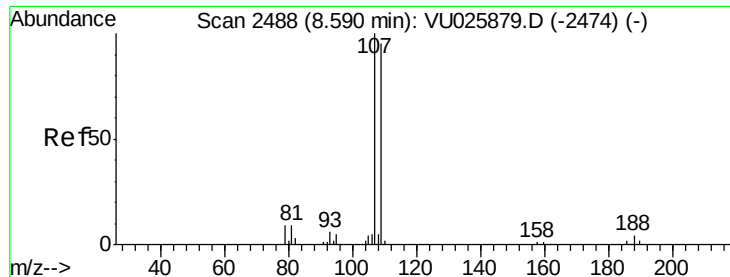
MMDadoda
8/7/2018 1:51:46 PM



#60
Dibromochloromethane
Concen: 52.27 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	129	Resp	141997
Ion Ratio	100	Lower	Upper
129	100		
127	76.0	38.6	115.8





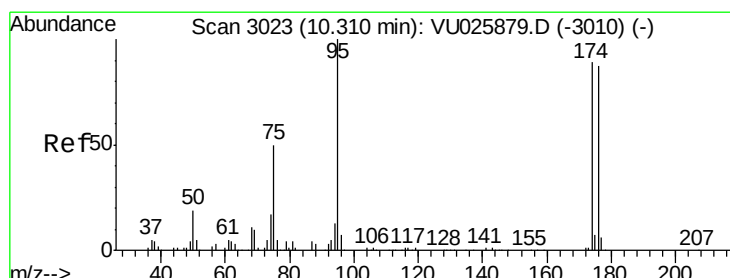
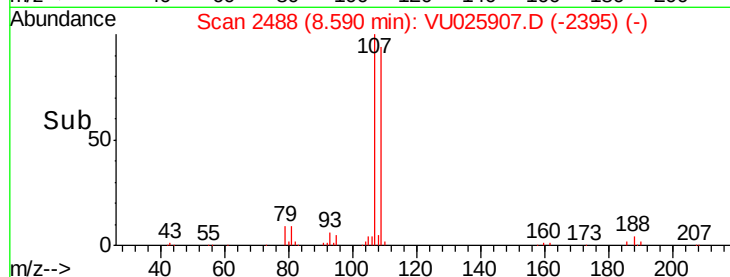
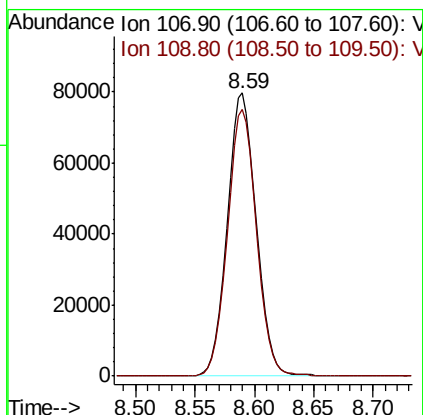
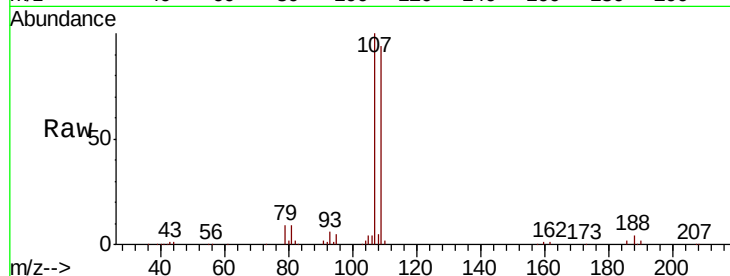
#61
 1,2-Dibromoethane
 Concen: 52.24 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	133851		
109	94.8	75.8	113.8	

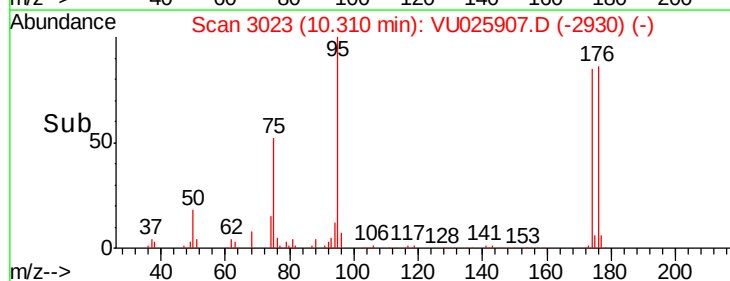
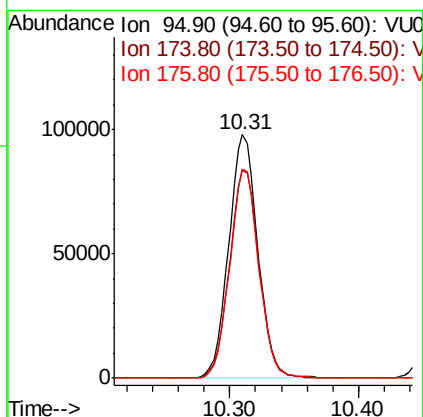
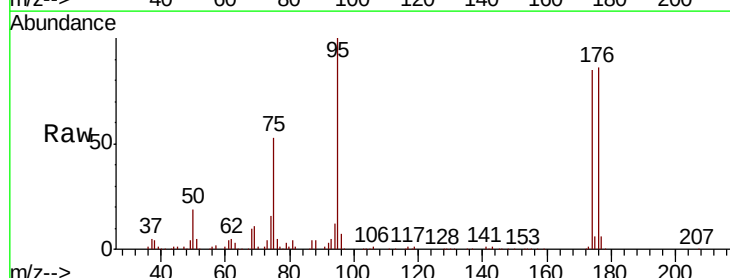
Manual Integrations
 APPROVED

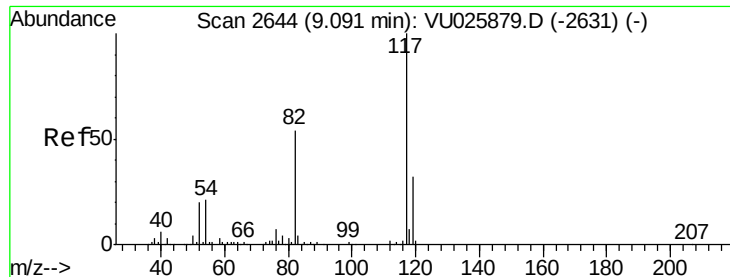
MMDadoda
 8/7/2018 1:51:46 PM



#62
 4-Bromofluorobenzene
 Concen: 49.46 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	152618		
174	87.4	0.0	172.2	
176	85.9	0.0	162.6	





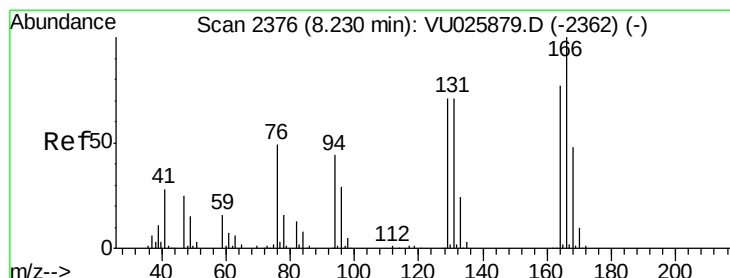
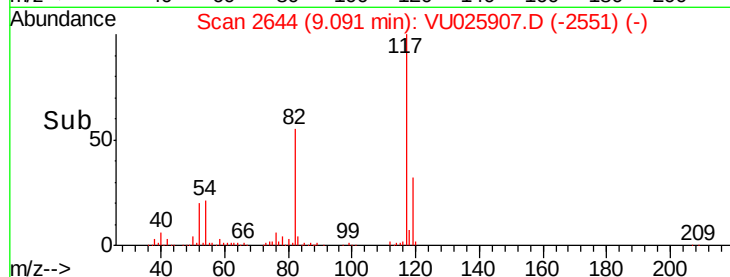
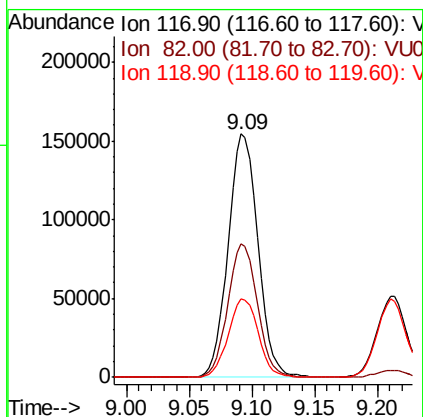
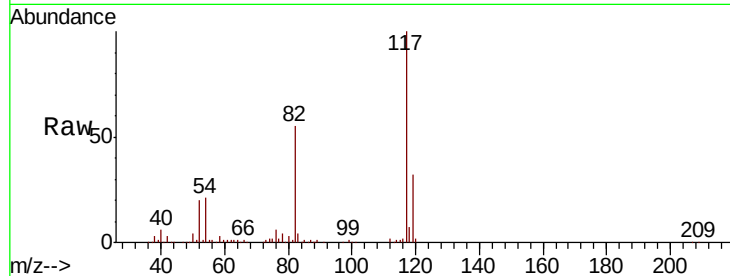
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255410		
82	54.8	46.0	69.0	
119	32.2	26.0	39.0	

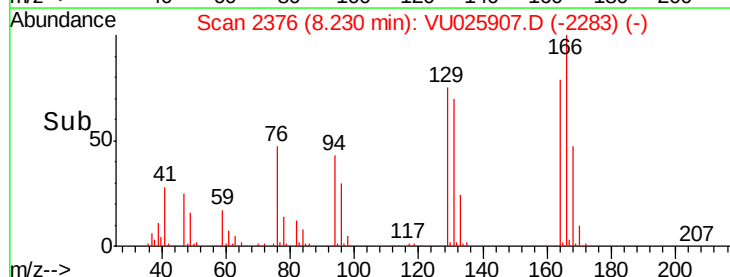
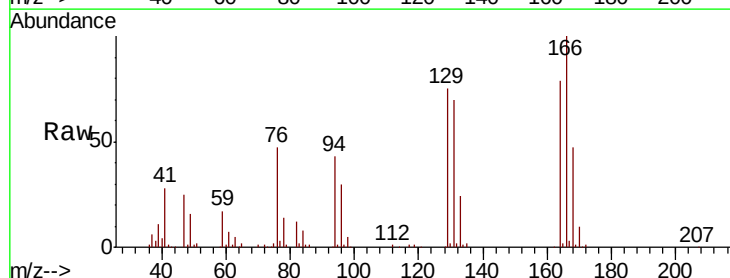
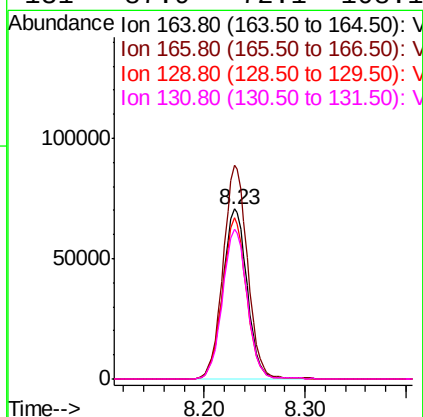
Manual Integrations
APPROVED

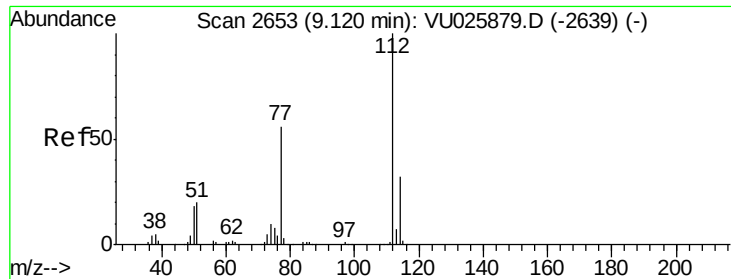
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#64
Tetrachloroethene
Concen: 53.18 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119559		
166	125.8	101.1	151.7	
129	94.8	73.0	109.6	
131	87.9	72.1	108.1	





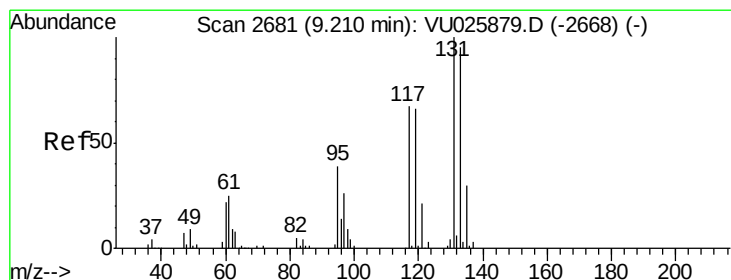
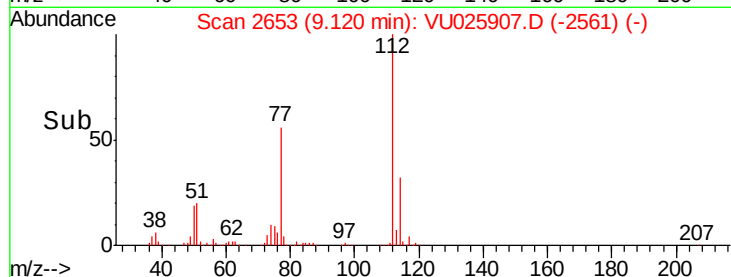
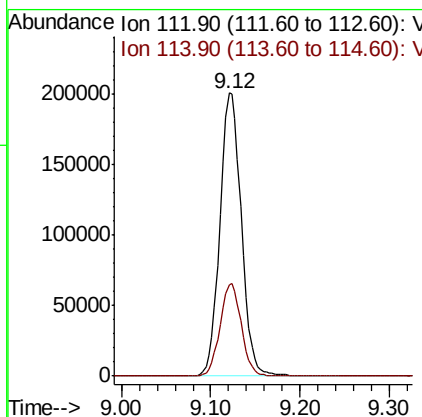
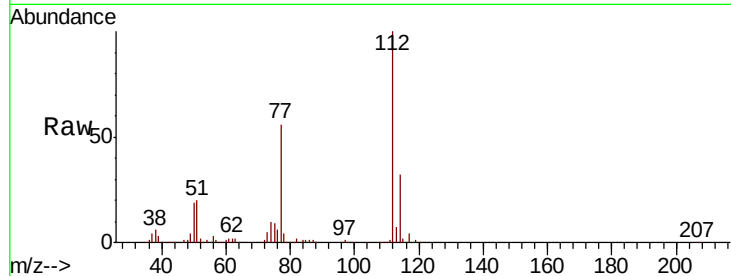
#65
Chlorobenzene
Concen: 50.78 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	334358		
114	32.1	25.8	38.8	

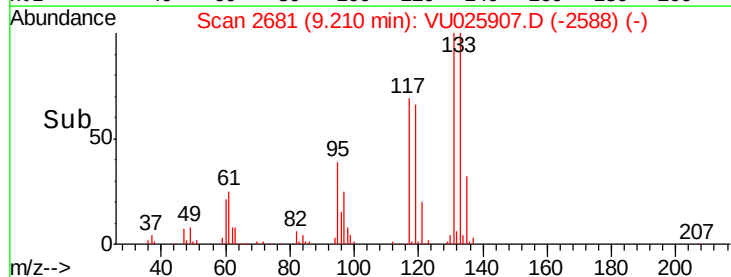
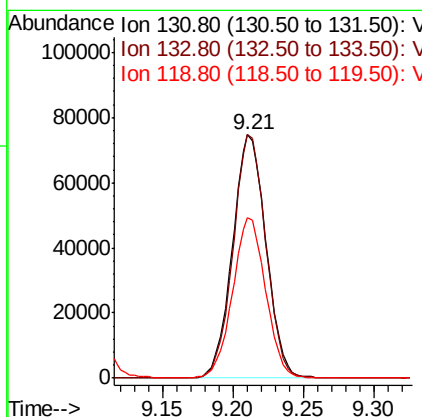
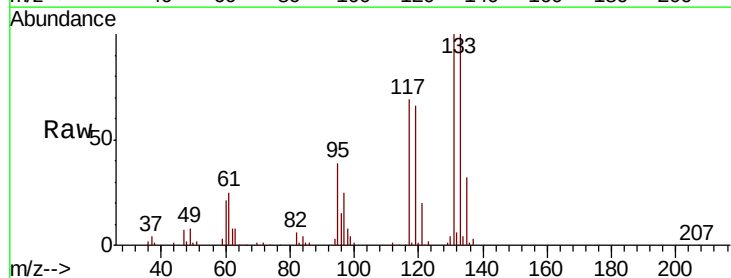
Manual Integrations
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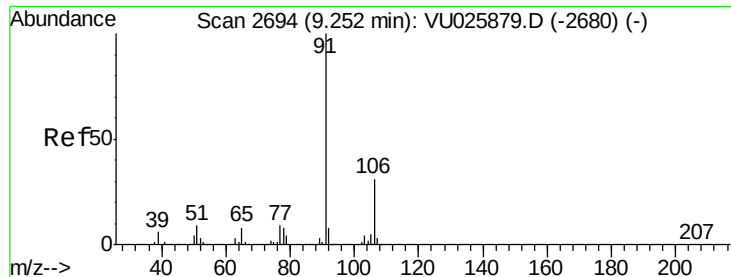
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.29 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	124561		
133	97.6	47.8	143.3	
119	65.1	31.6	95.0	





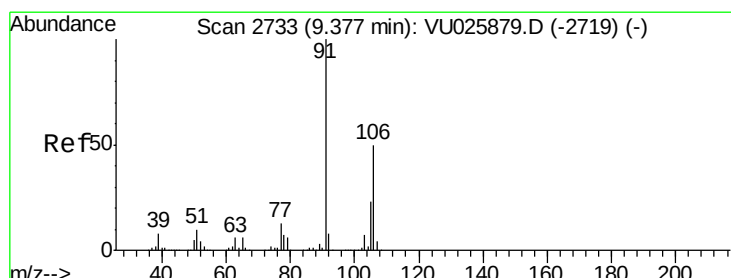
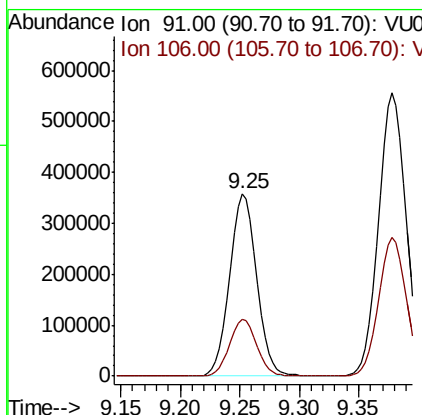
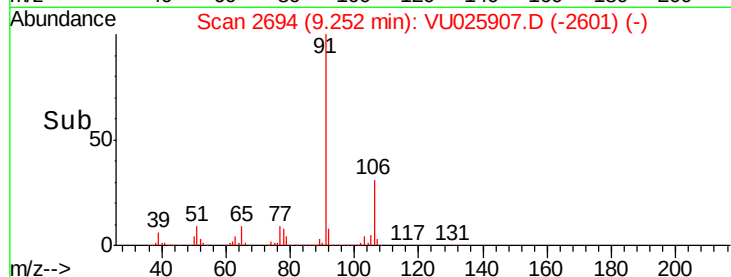
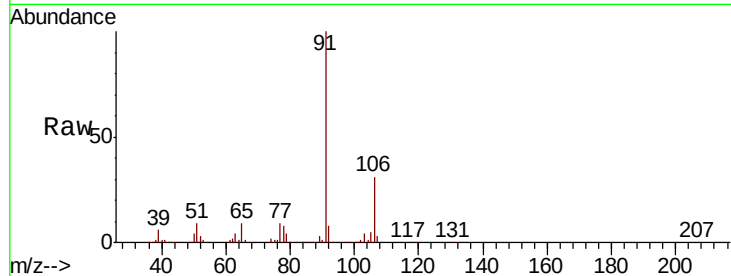
#67
Ethyl Benzene
Concen: 51.84 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.3	37.9

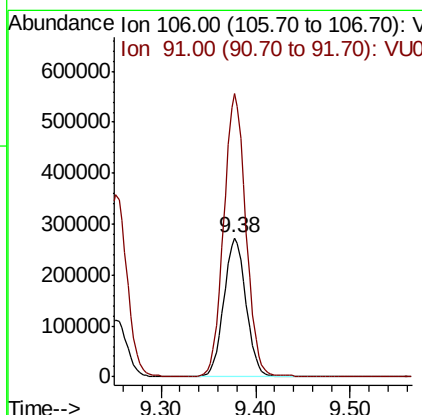
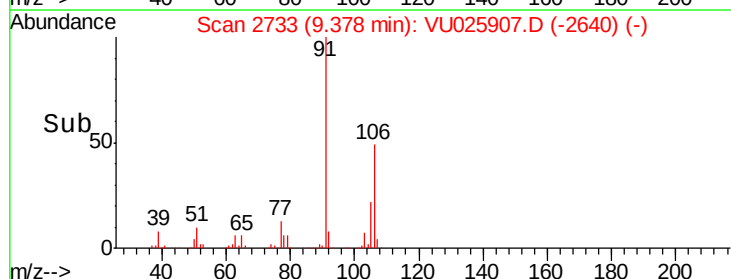
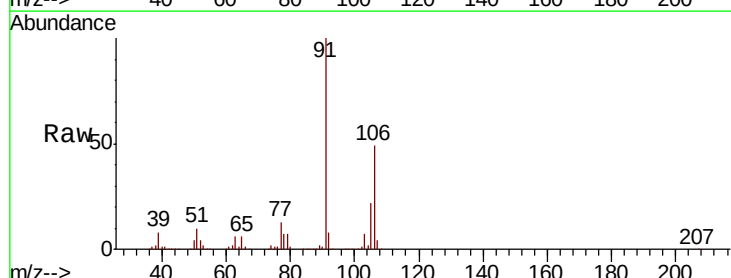
Manual Integrations
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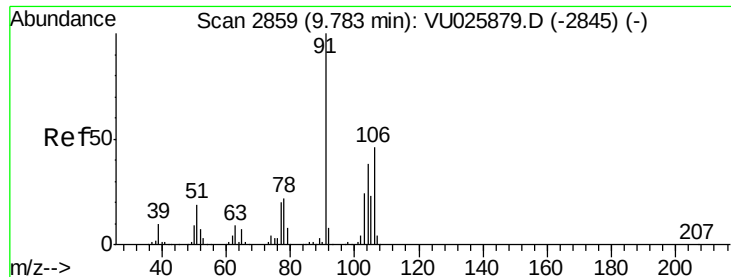
MMDadoda
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#68
m/p-Xylenes
Concen: 106.63 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.8	162.3	243.5





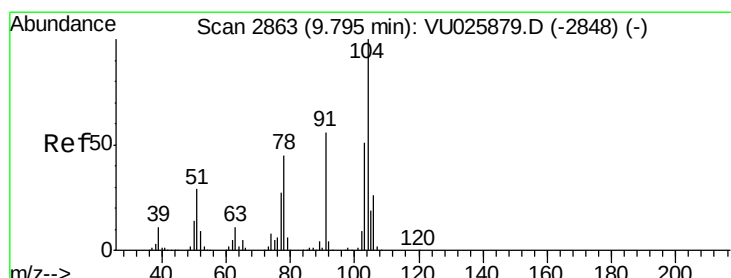
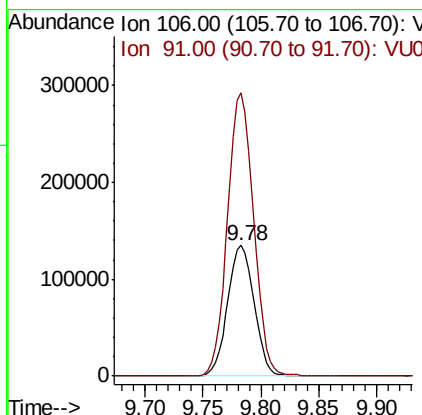
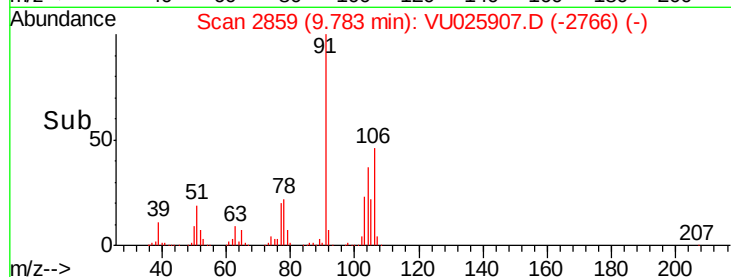
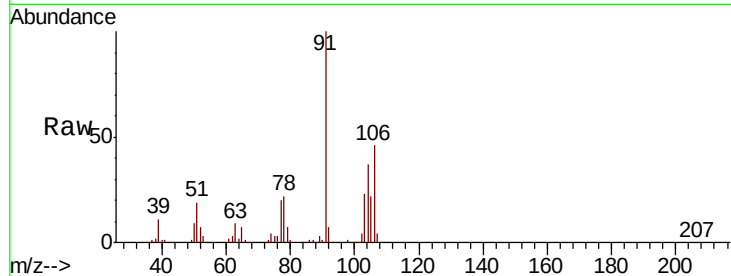
#69
o-Xylene
Concen: 52.34 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.5	105.3	315.8

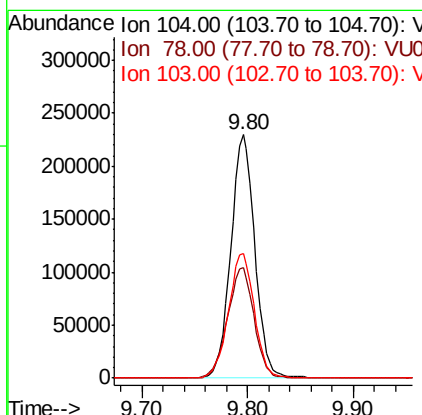
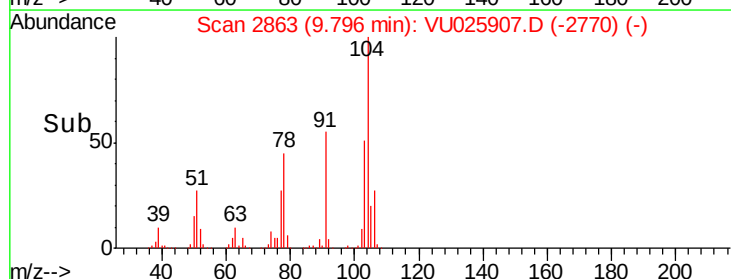
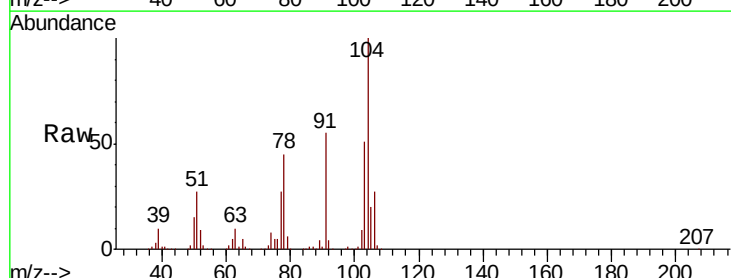
Manual Integrations
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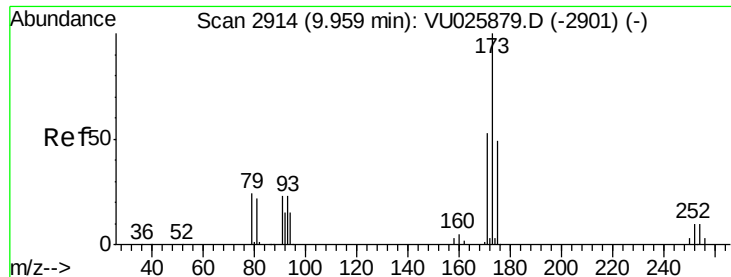
MMDadoda
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#70
Styrene
Concen: 54.63 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	41.6	62.4
103	55.2	44.6	66.8





#71

Bromoform

Concen: 53.74 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 110997

Ion Ratio Lower Upper

173 100

175 48.9 24.0 72.0

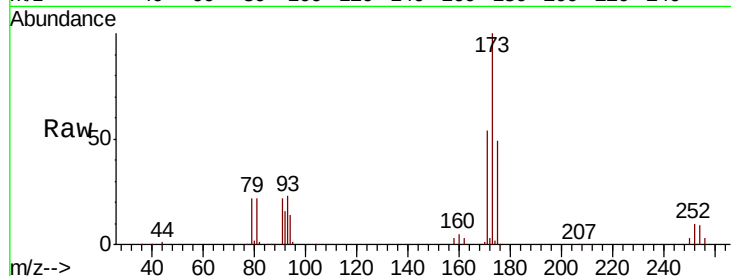
254 0.0 0.0 0.0#

Manual Integrations

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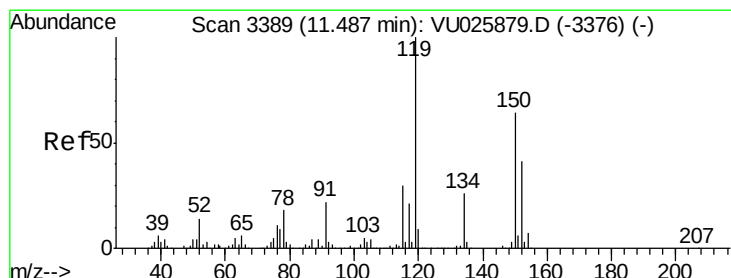
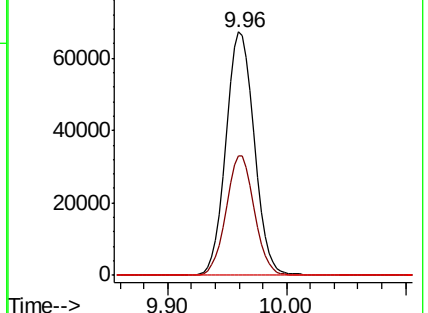
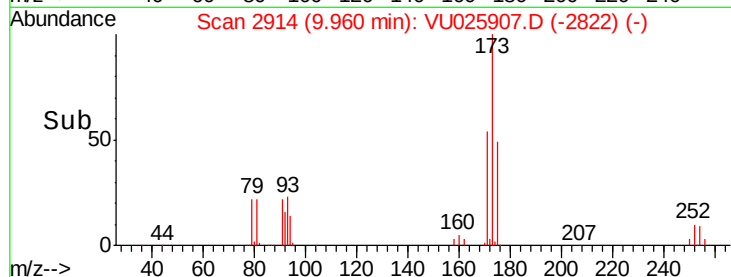
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

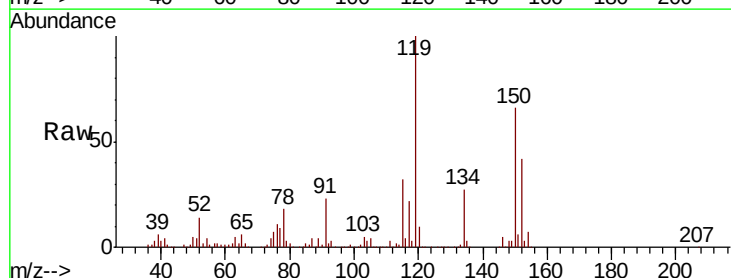
Tgt Ion:152 Resp: 160548

Ion Ratio Lower Upper

152 100

115 81.4 40.1 120.3

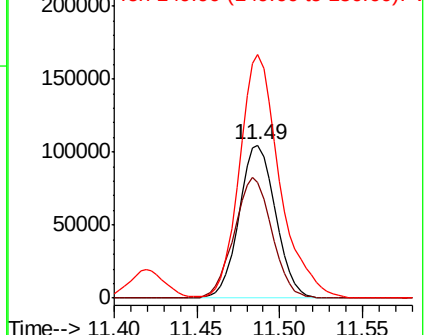
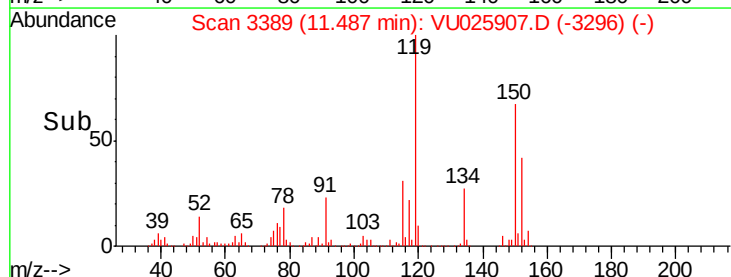
150 174.9 0.0 351.4

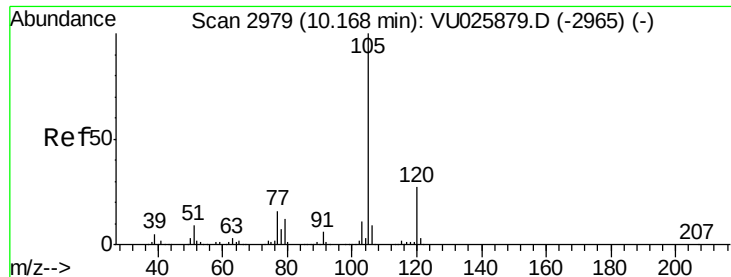


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.85 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 579132

Ion Ratio Lower Upper

105 100

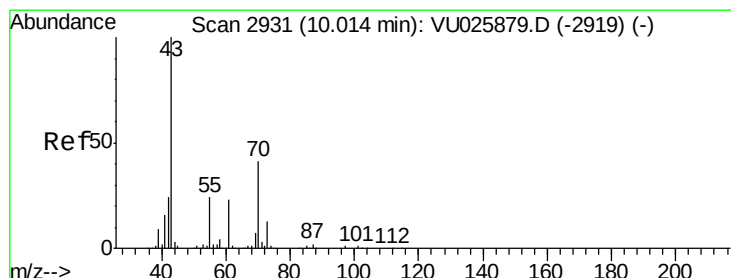
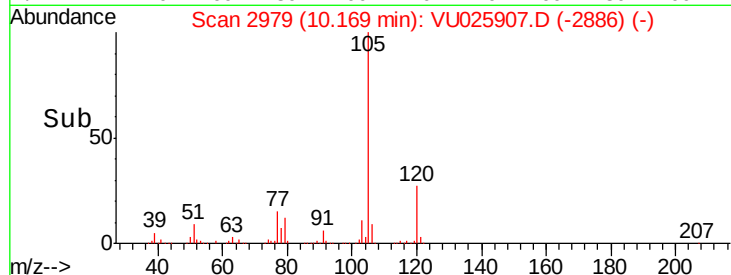
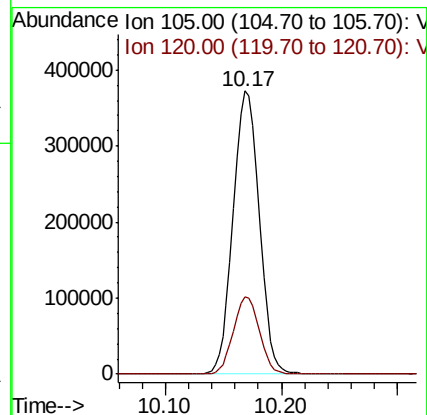
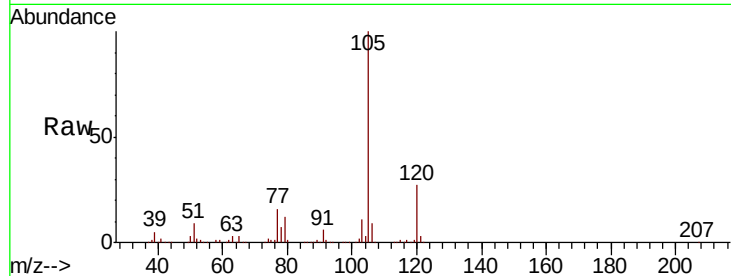
120 27.1 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.72 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion: 43 Resp: 249249

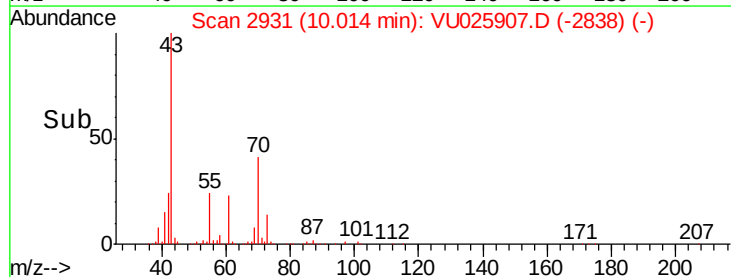
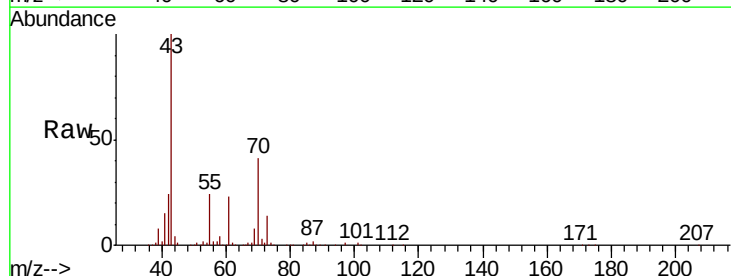
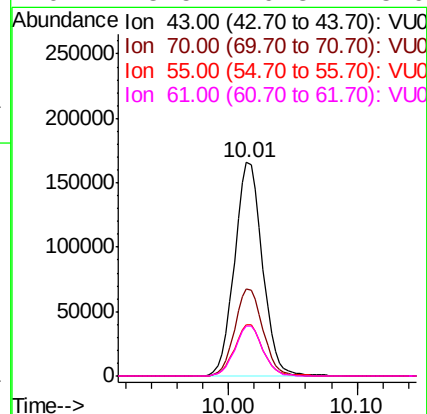
Ion Ratio Lower Upper

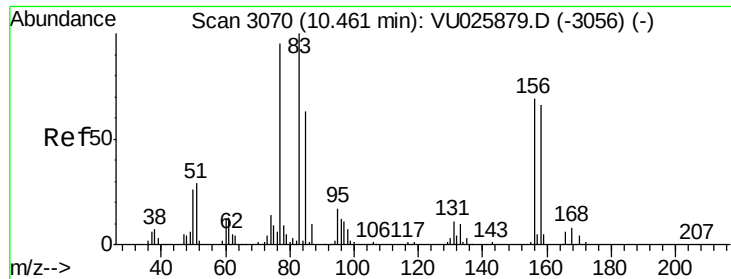
43 100

70 41.2 33.4 50.2

55 24.2 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.50 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

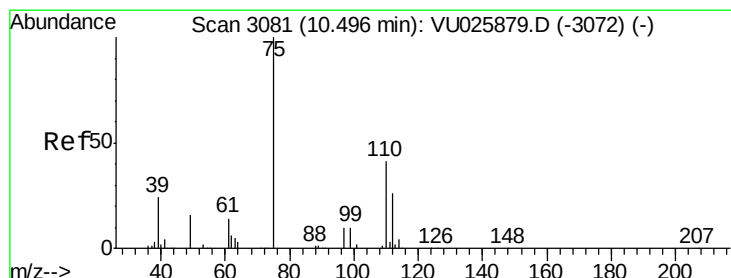
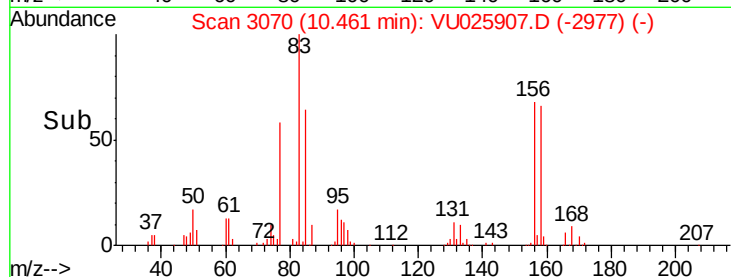
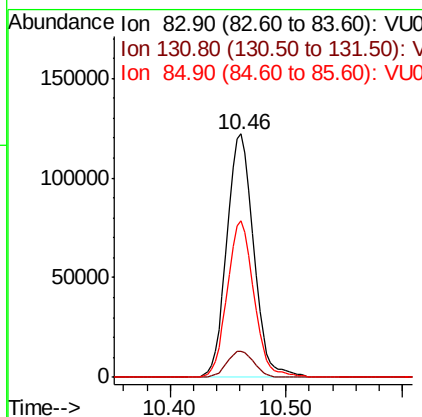
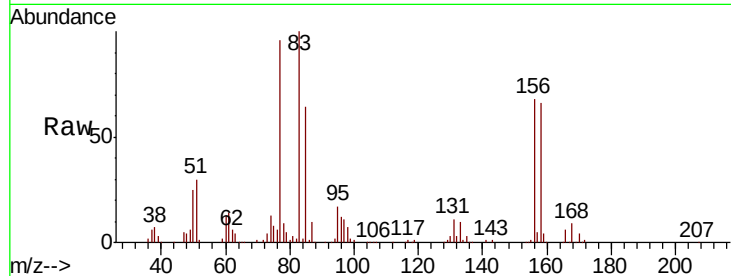
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	195155
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	64.0	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.35 ug/l m

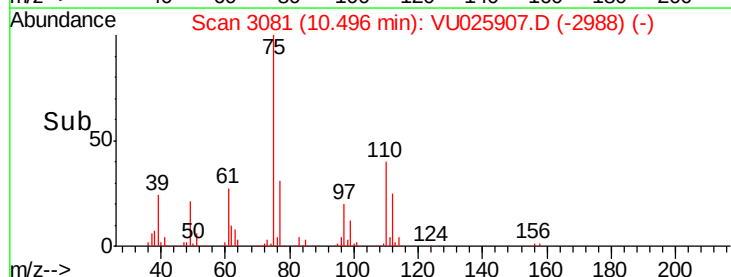
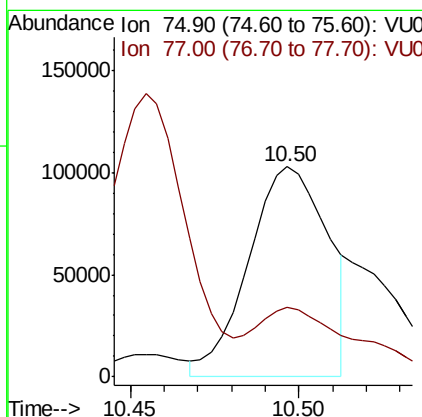
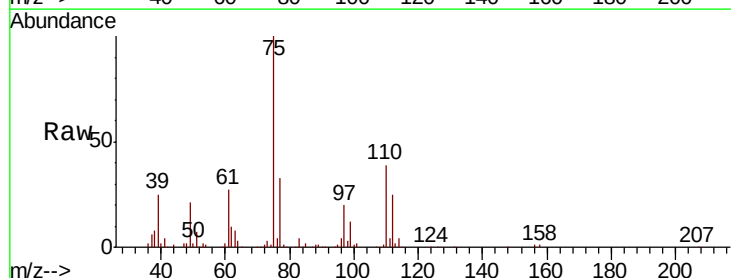
RT: 10.50 min Scan# 3081

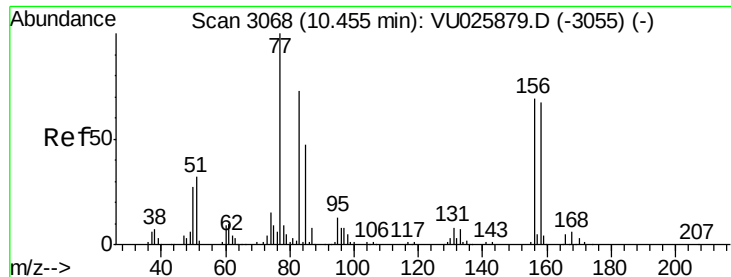
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	75	Resp:	167488
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.4	61.3





#77

Bromobenzene

Concen: 51.76 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

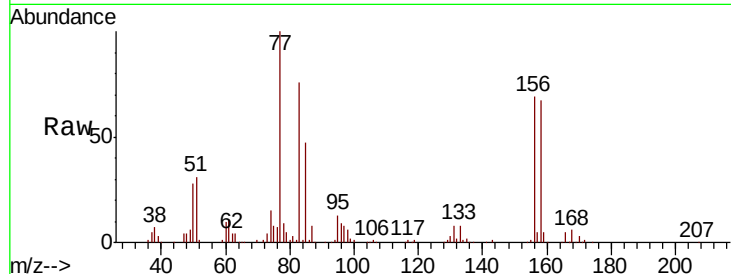
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	156448
Ion Ratio	Lower	Upper	
156	100		
77	144.4	73.8	221.4
158	96.3	48.0	144.0

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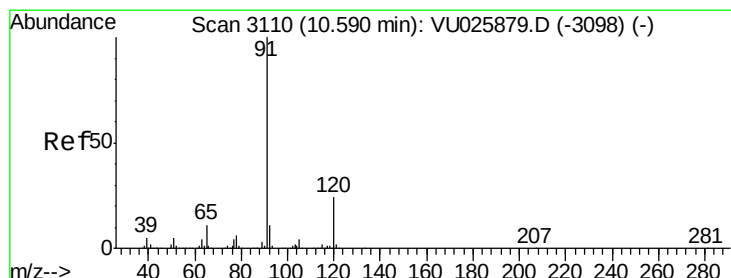
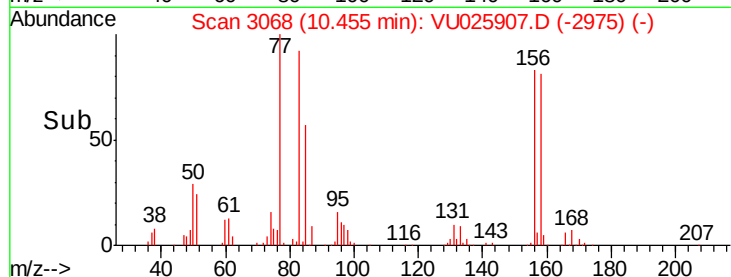
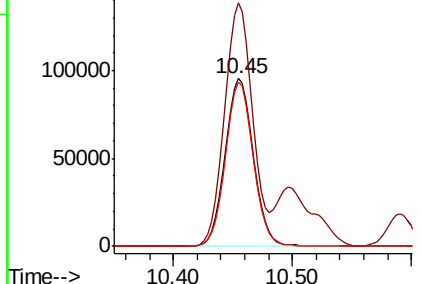
MMDadoda
8/7/2018 1:51:46 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.86 ug/l

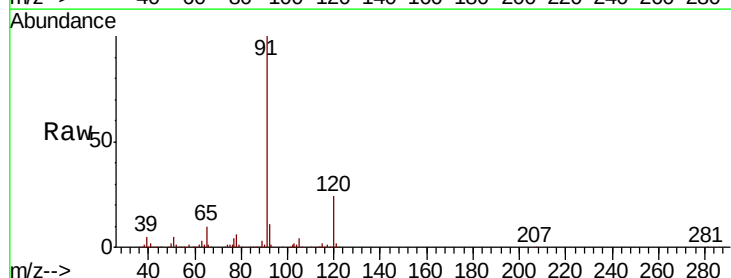
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025907.D

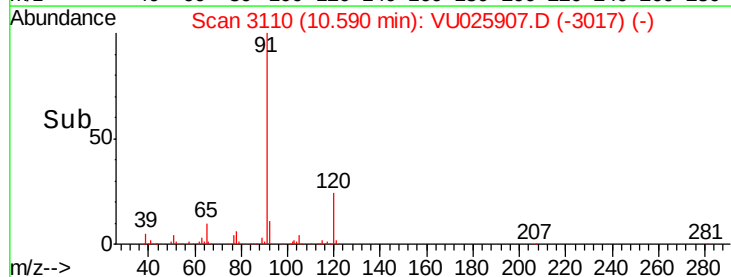
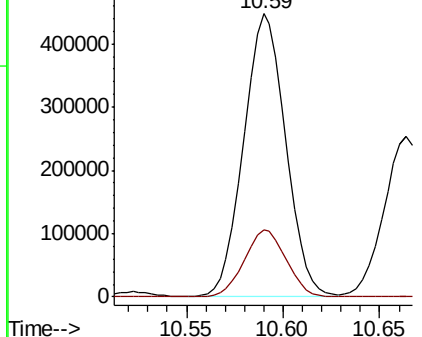
Acq: 06 Aug 2018 23:56

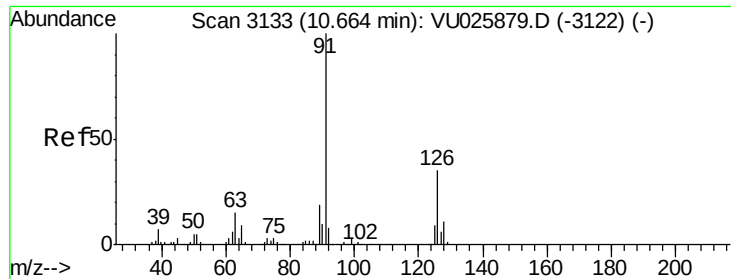
Tgt Ion:	91	Resp:	676002
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.45 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 400422

Ion Ratio Lower Upper

91 100

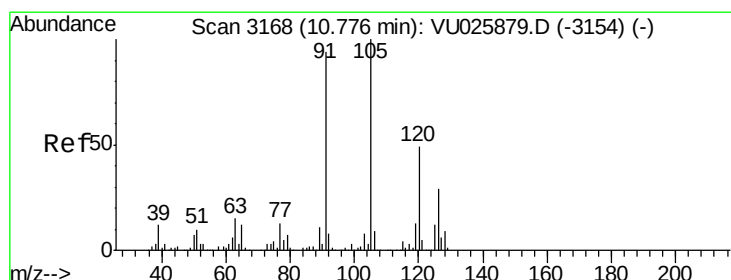
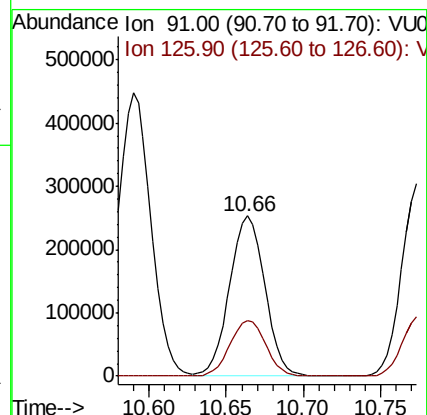
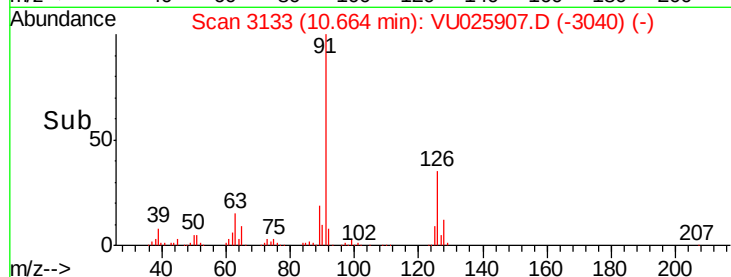
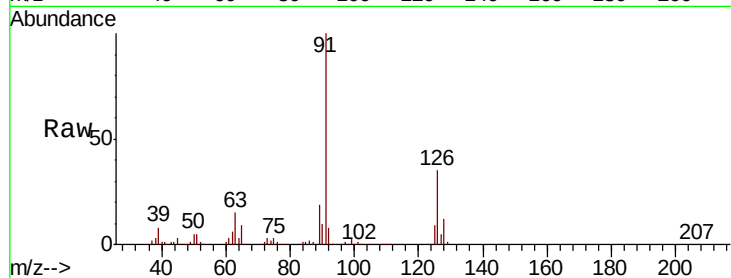
126 35.3 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.88 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025907.D

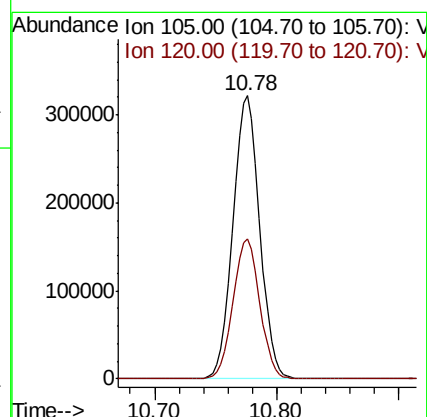
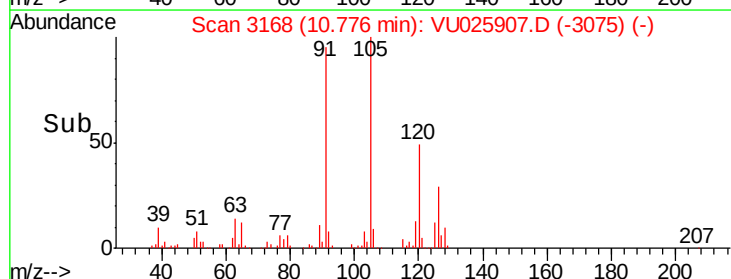
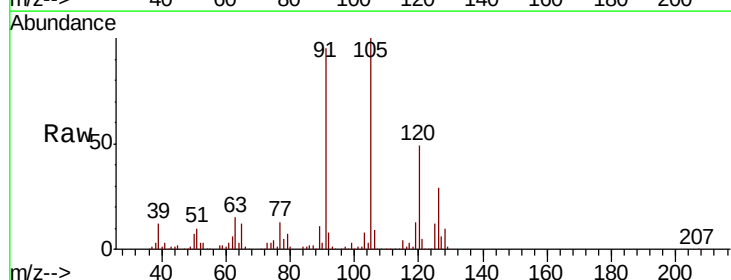
Acq: 06 Aug 2018 23:56

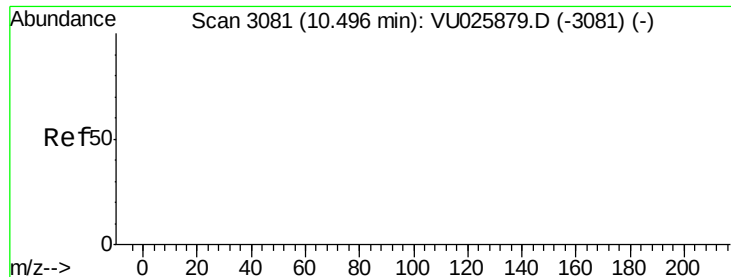
Tgt Ion: 105 Resp: 492074

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.2





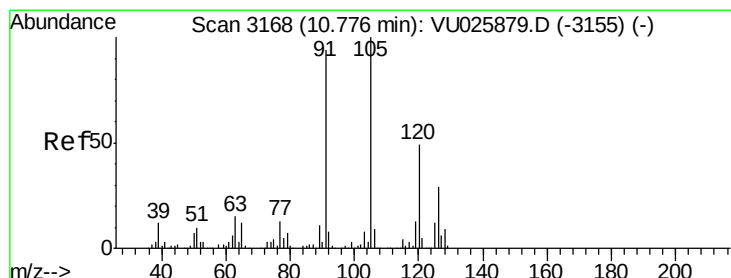
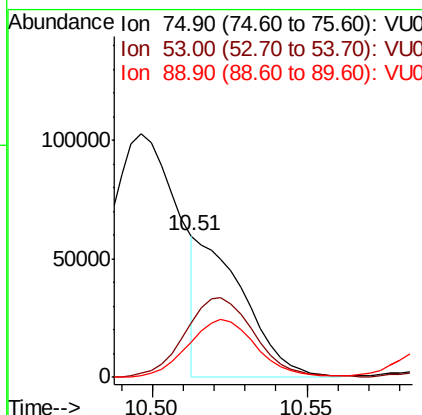
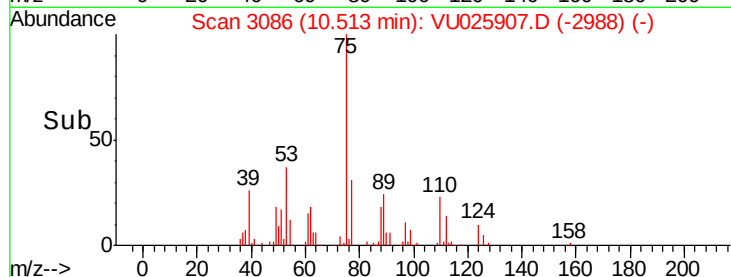
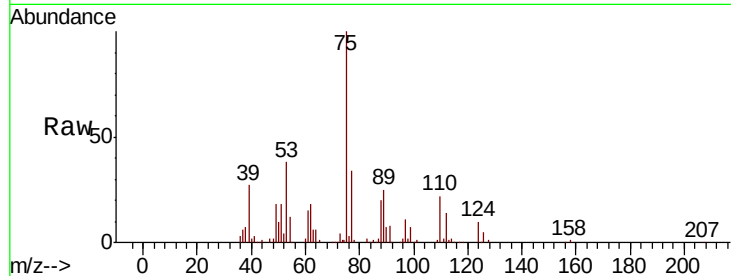
#81
trans-1,4-Dichloro-2-butene
Concen: 44.92 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

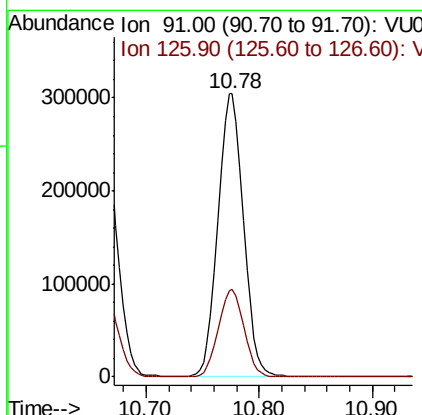
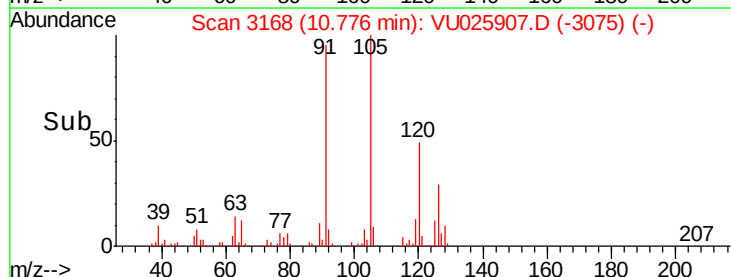
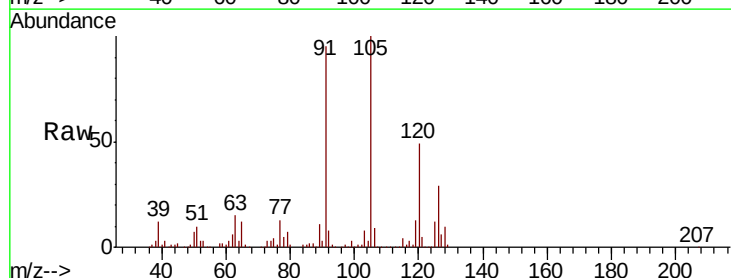
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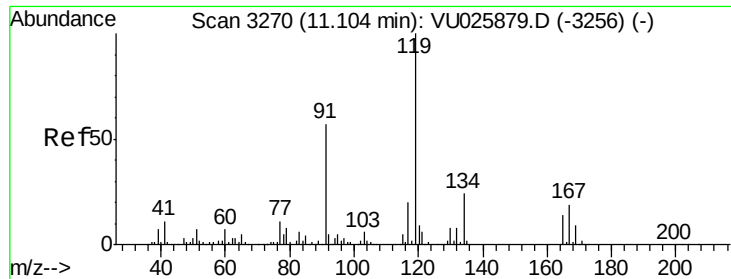
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#82
4-Chlorotoluene
Concen: 53.90 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





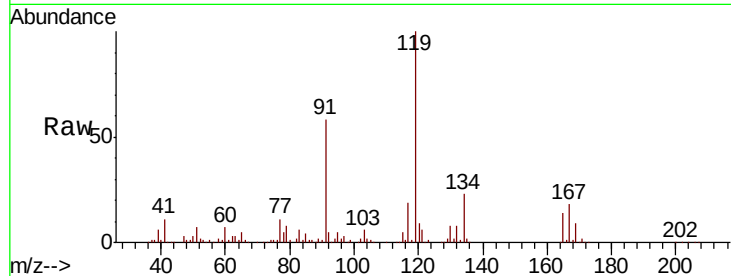
#83
 tert-Butylbenzene
 Concen: 51.43 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	29.7	89.1
134	23.3	11.5	34.5

Manual Integrations
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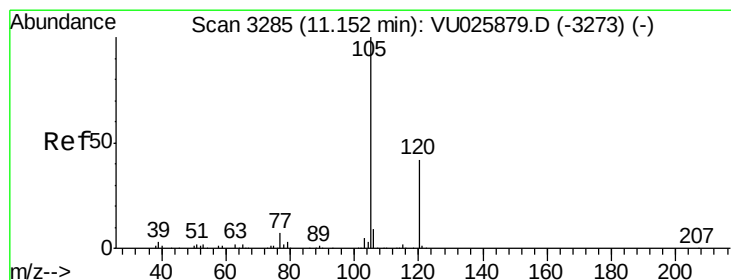
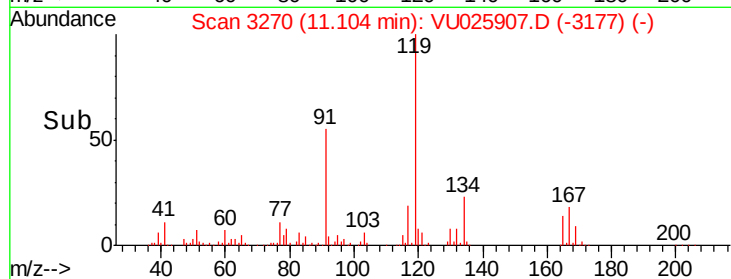
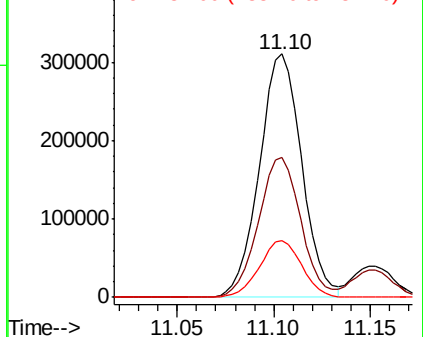


Abundance

Ion 119.00 (118.70 to 119.70): V

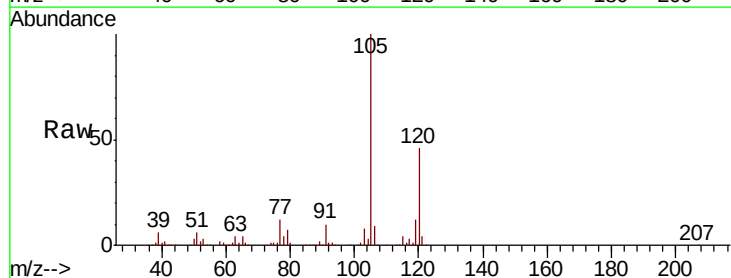
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 54.07 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

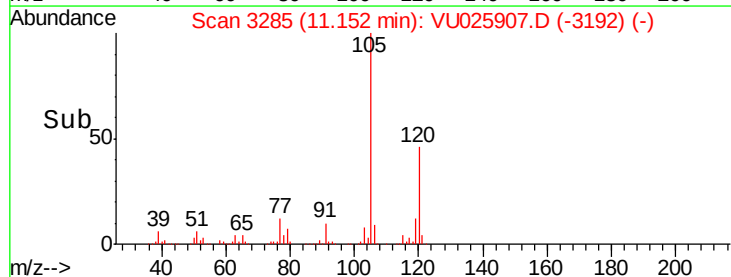
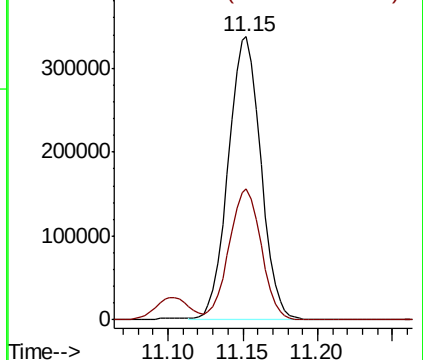
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.8

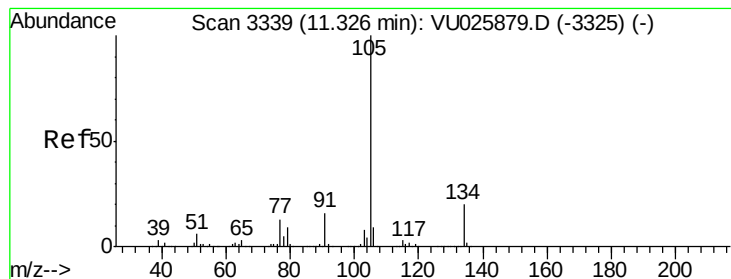


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.40 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 580231

Ion Ratio Lower Upper

105 100

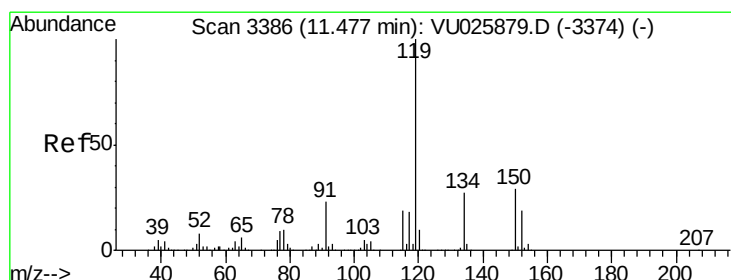
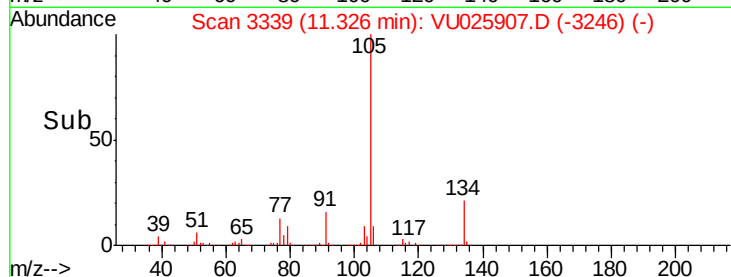
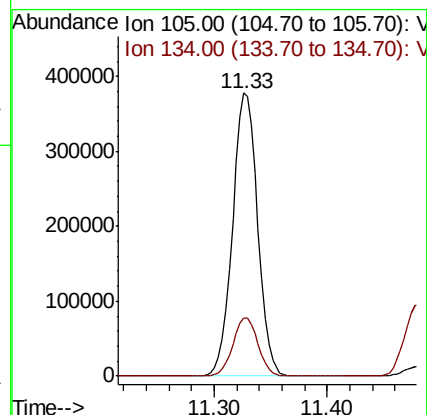
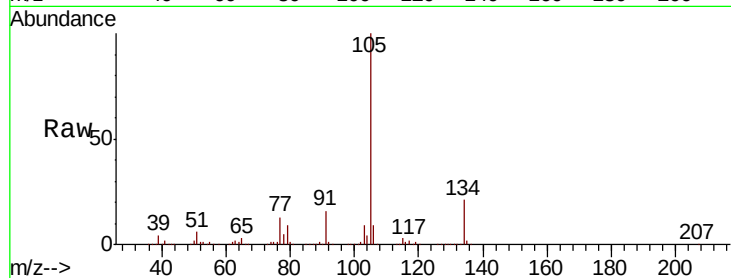
134 20.7 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.00 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

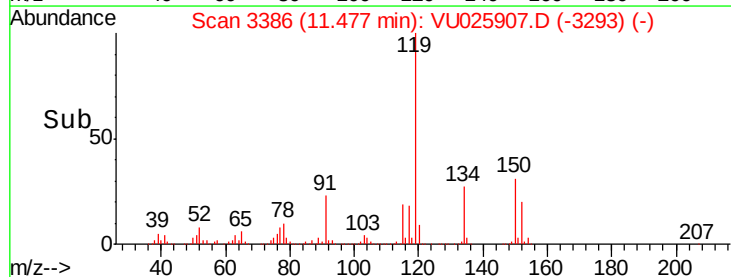
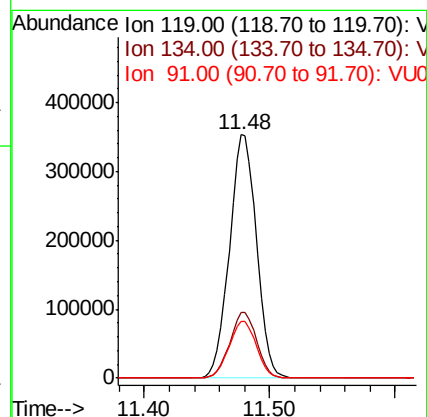
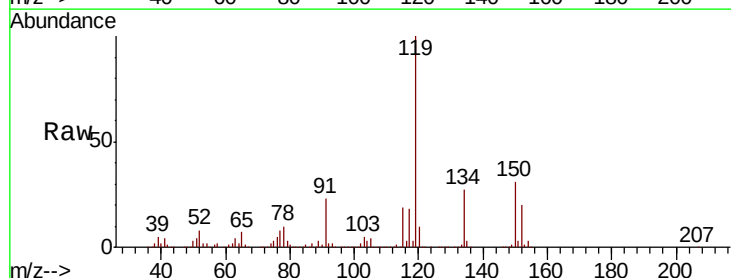
Tgt Ion:119 Resp: 525678

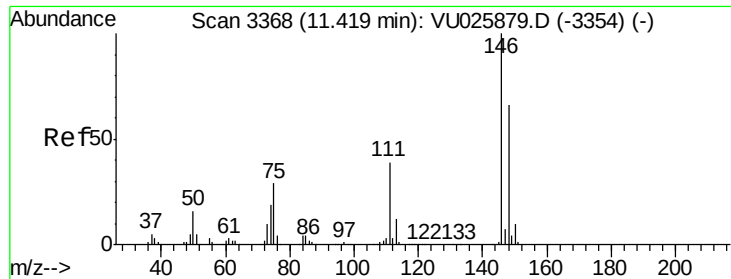
Ion Ratio Lower Upper

119 100

134 26.9 13.2 39.5

91 23.7 12.0 36.1





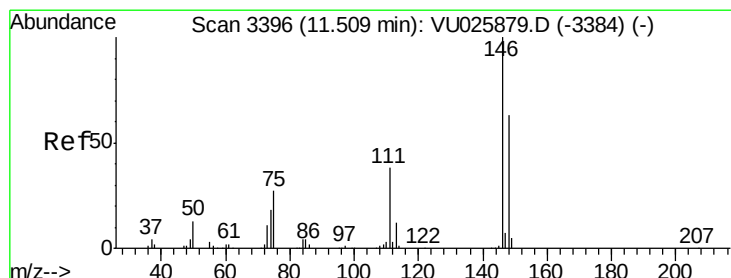
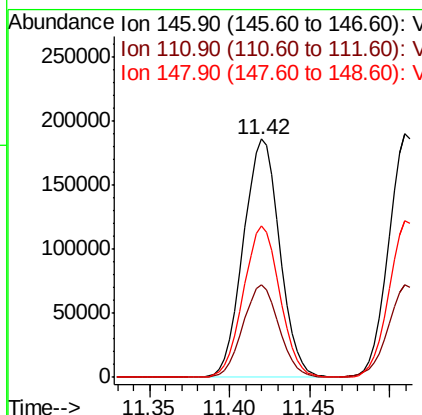
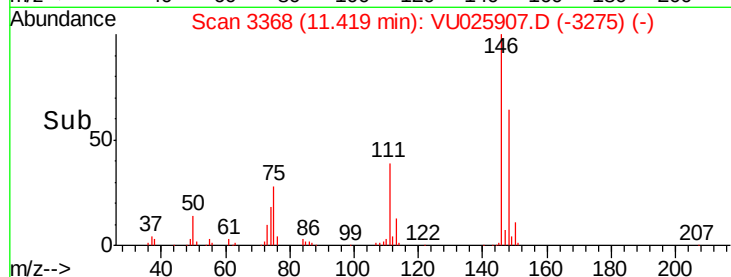
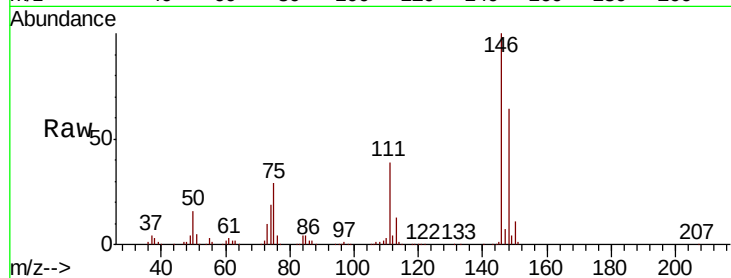
#87
 1,3-Dichlorobenzene
 Concen: 51.44 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	63.7	32.1	96.3

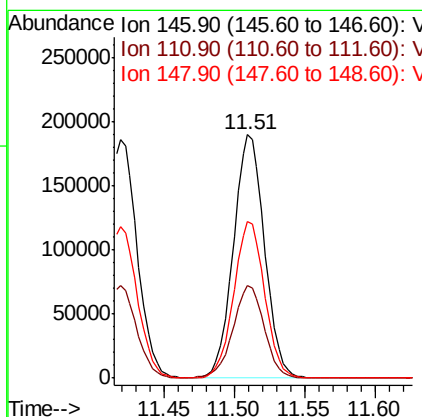
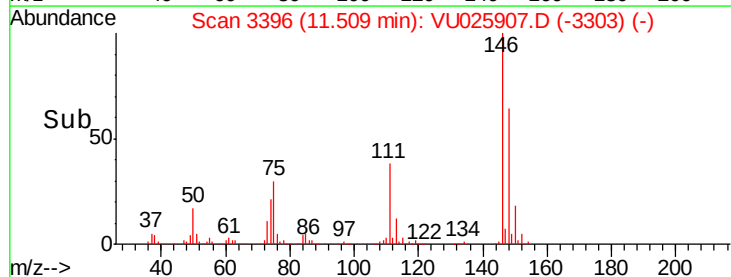
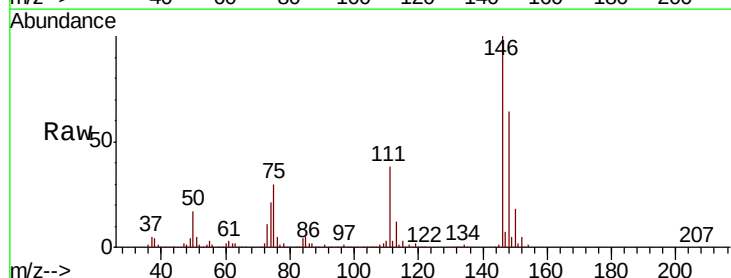
Manual Integrations
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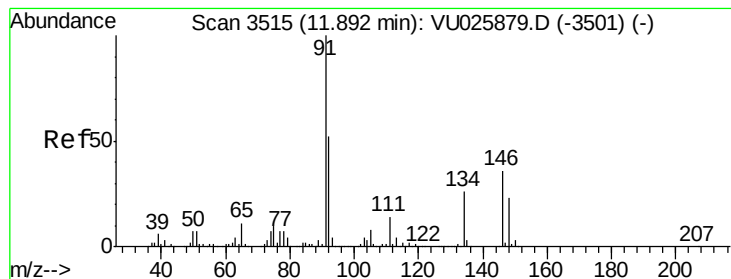
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#88
 1,4-Dichlorobenzene
 Concen: 49.88 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	63.9	31.7	95.1





#89

n-Butylbenzene

Concen: 49.46 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Instrument :

MSVOA_U

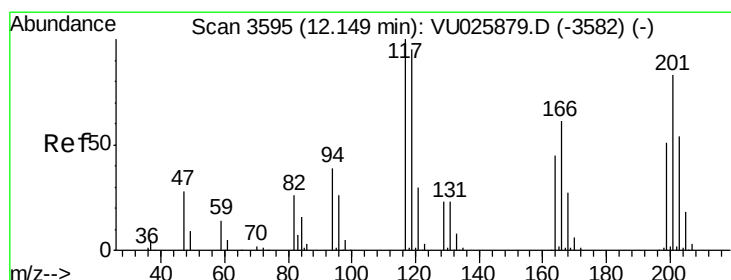
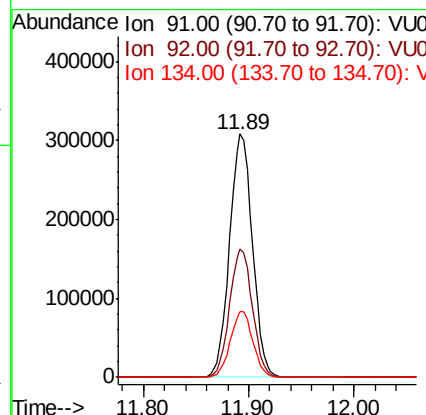
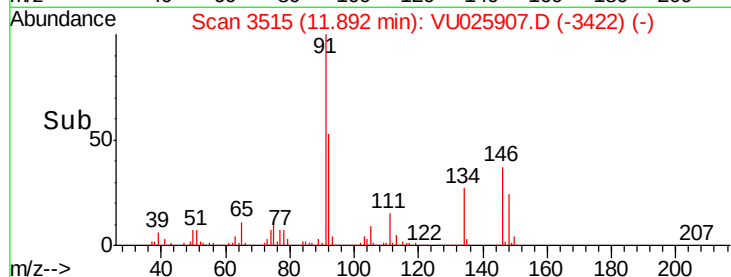
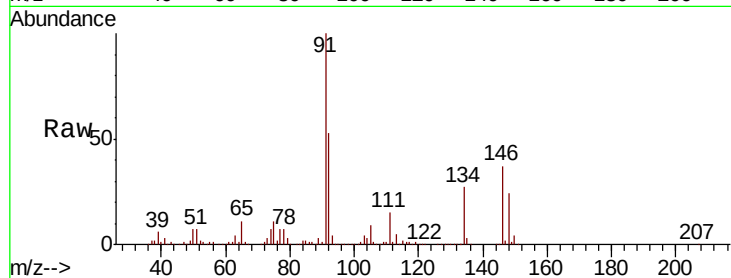
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	461356
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	26.9	13.6	40.7

Manual Integrations
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8/7/2018 1:51:46 PM



#90

Hexachloroethane

Concen: 50.79 ug/l

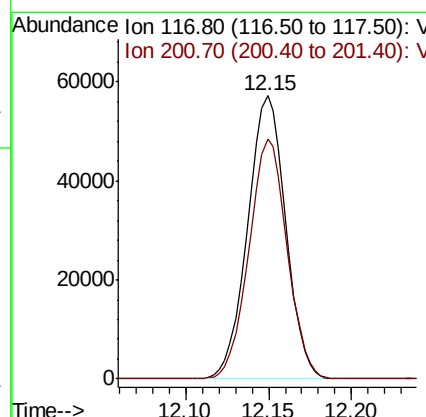
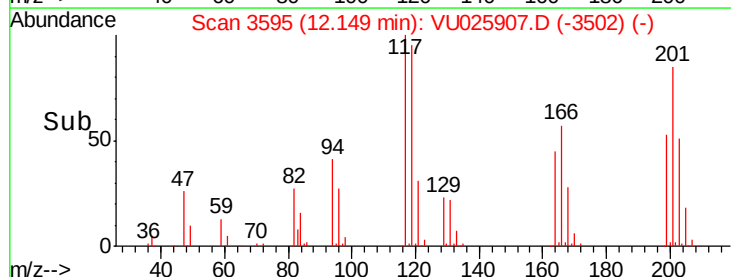
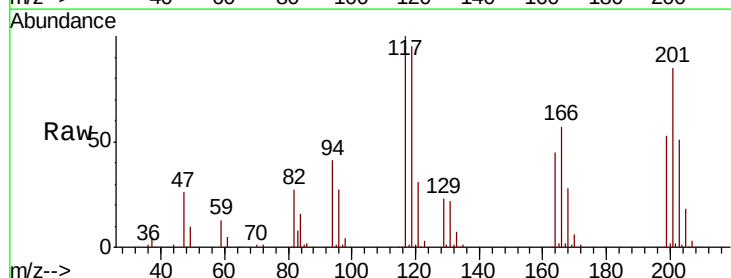
RT: 12.15 min Scan# 3595

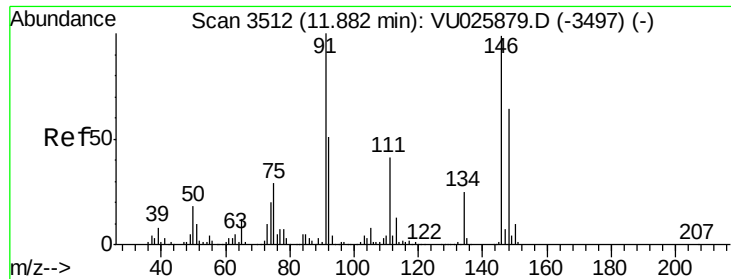
Delta R.T. 0.00 min

Lab File: VU025907.D

Acq: 06 Aug 2018 23:56

Tgt Ion:	117	Resp:	91277
Ion	Ratio	Lower	Upper
117	100		
201	84.7	42.5	127.6





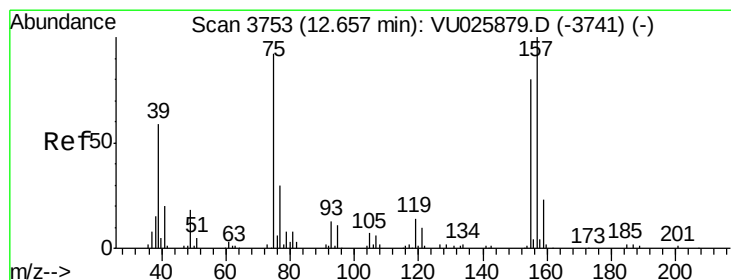
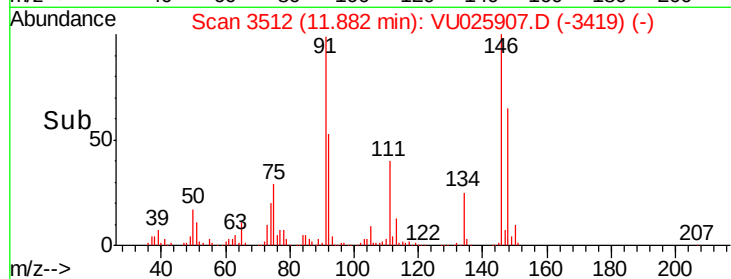
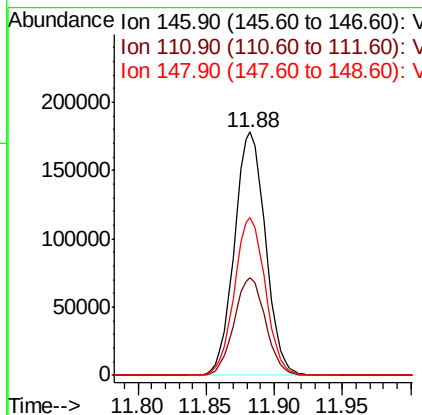
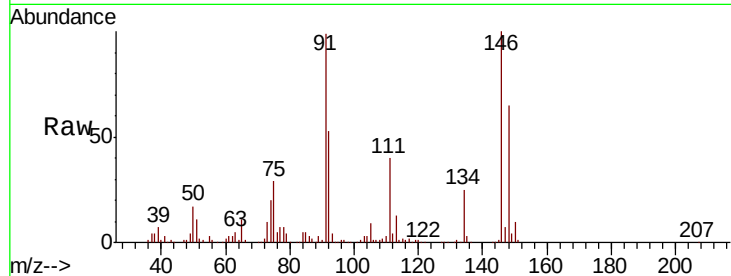
#91
 1,2-Dichlorobenzene
 Concen: 51.30 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	64.6	31.5	94.5

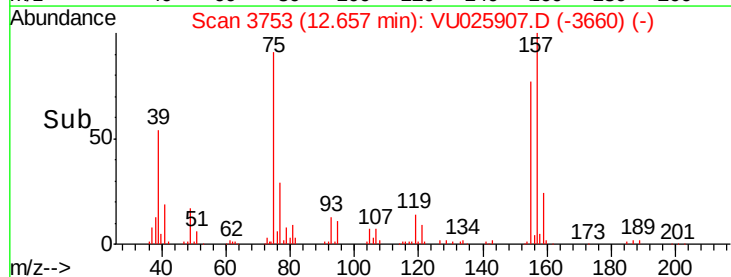
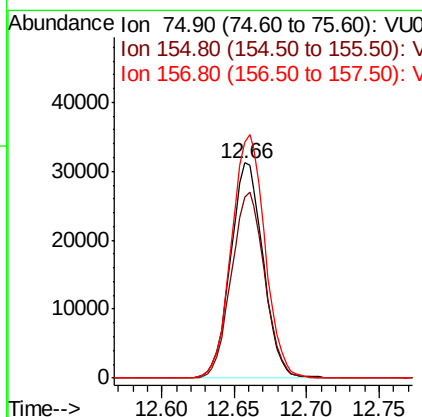
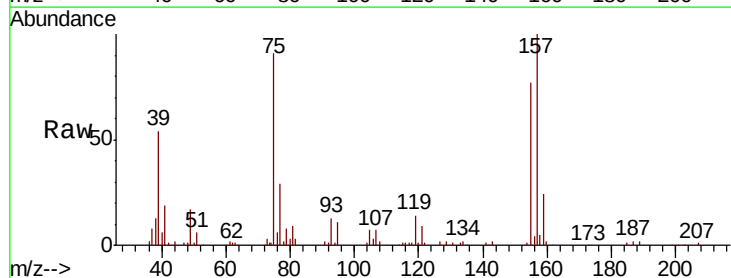
Manual Integrations
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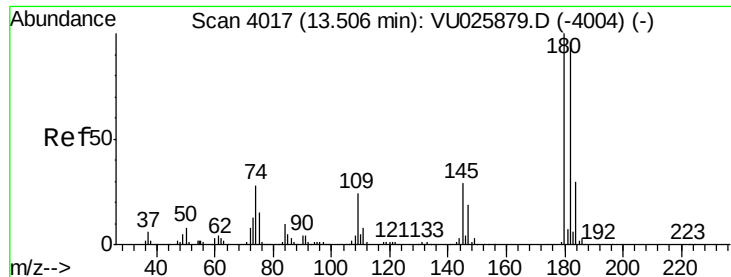
MMDadoda
 8/7/2018 1:51:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.22 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	44.5	133.3
157	116.1	57.0	170.8





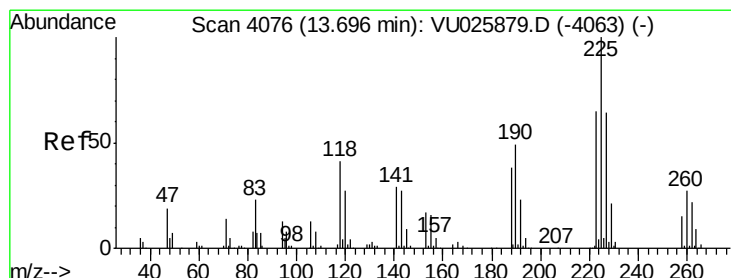
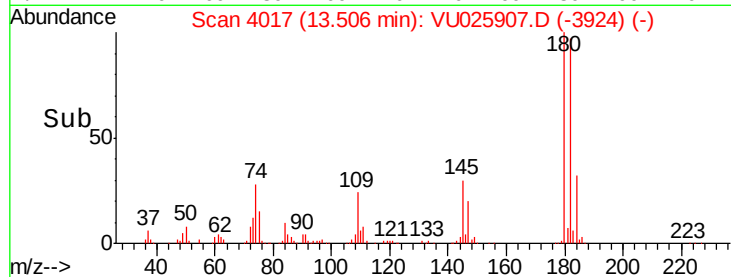
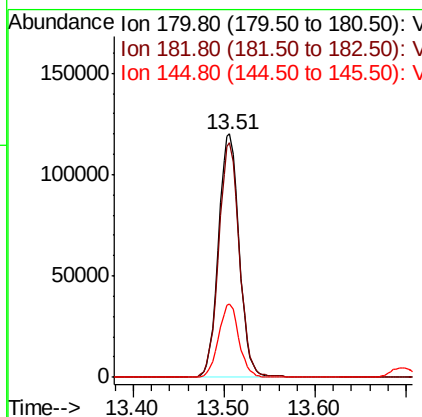
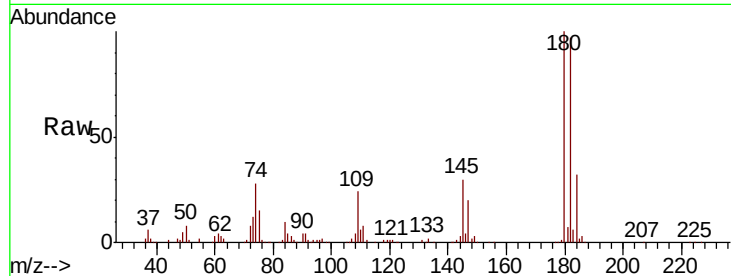
#93
 1,2,4-Trichlorobenzene
 Concen: 51.36 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	29.3	14.9	44.7

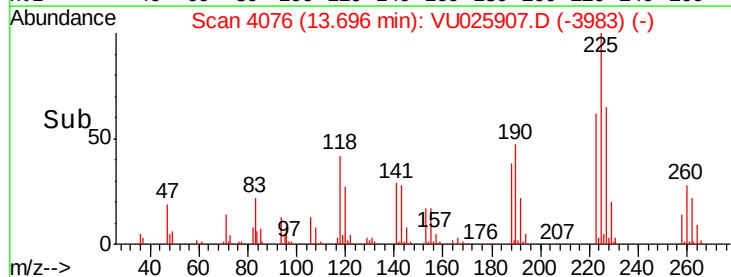
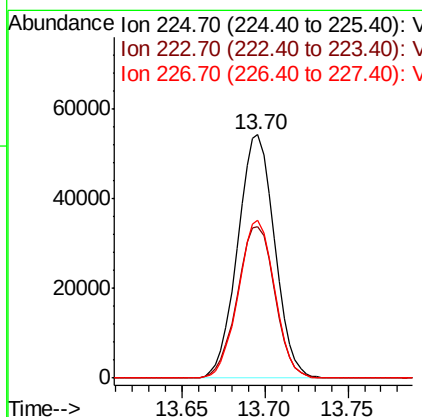
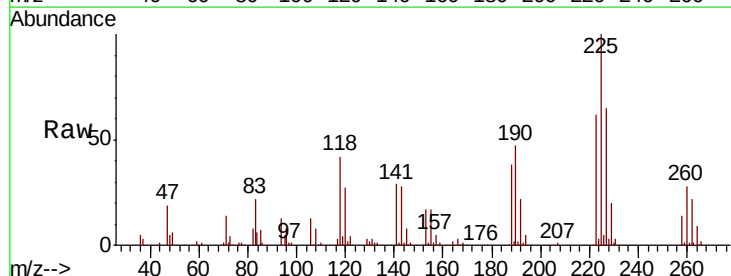
Manual Integrations
 APPROVED

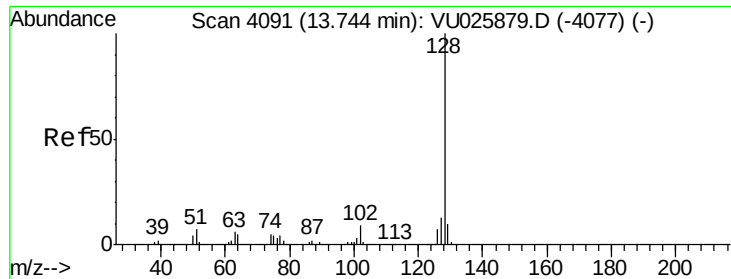
MMDadoda
 8/7/2018 1:51:46 PM



#94
 Hexachlorobutadiene
 Concen: 43.14 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025907.D
 Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	63.2	32.3	96.9





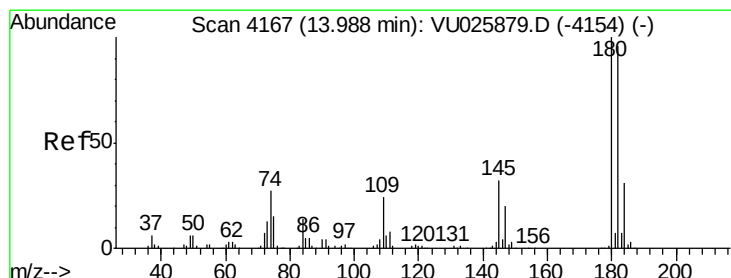
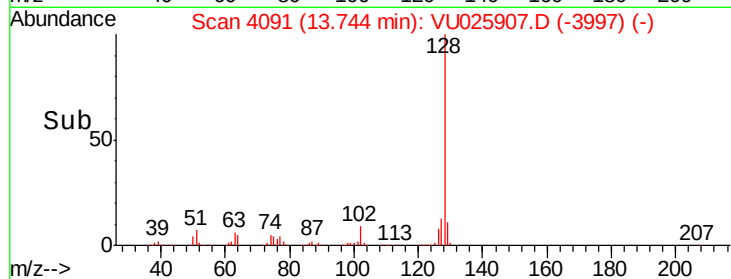
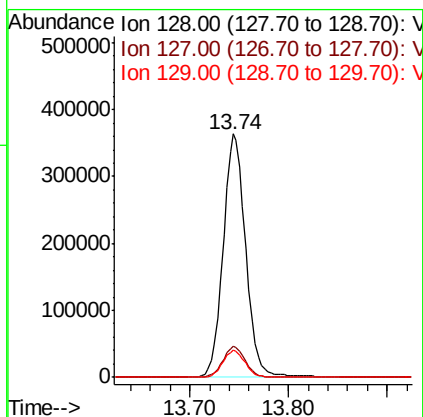
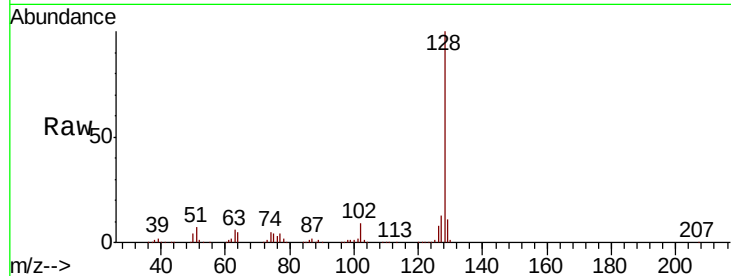
#95
Naphthalene
Concen: 49.00 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/7/2018 1:51:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.91 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025907.D
Acq: 06 Aug 2018 23:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.8	143.3
145	31.7	15.6	46.8

