

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026898.D
 Acq On : 19 Sep 2018 15:34
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:22 PM

Quant Time: Sep 20 05:49:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	98269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	69028	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	4.88	113	58786	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	7.57	98	213860	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	10.31	95	76862	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56109	52.848	ug/l	99
3) Chloromethane	1.32	50	70559	47.568	ug/l	99
4) Vinyl Chloride	1.40	62	70490	45.856	ug/l	98
5) Bromomethane	1.61	94	52039	54.050	ug/l	99
6) Chloroethane	1.69	64	45402	46.409	ug/l	98
7) Trichlorofluoromethane	1.88	101	92311	45.937	ug/l	99
8) Diethyl Ether	2.10	74	40457	45.944	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	57780	48.417	ug/l	99
10) Methyl Iodide	2.41	142	36750	36.703	ug/l	99
11) Tert butyl alcohol	2.83	59	71399	196.501	ug/l	100
12) 1,1-Dichloroethene	2.28	96	52785	46.788	ug/l	99
13) Acrolein	2.19	56	74672	304.955	ug/l	100
14) Allyl chloride	2.59	41	96252	47.370	ug/l	95
15) Acrylonitrile	2.93	53	190263	244.166	ug/l	99
16) Acetone	2.32	43	204872	242.745	ug/l	98
17) Carbon Disulfide	2.47	76	164769	45.902	ug/l	100
18) Methyl Acetate	2.61	43	92702	50.906	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	193360	49.778	ug/l	98
20) Methylene Chloride	2.70	84	66883	48.856	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	58958	49.607	ug/l	97
22) Diisopropyl ether	3.57	45	207597	48.953	ug/l	100
23) Vinyl Acetate	3.52	43	867902	240.926	ug/l	97
24) 1,1-Dichloroethane	3.44	63	117307	49.036	ug/l	98
25) 2-Butanone	4.26	43	268225	235.932	ug/l	97
26) 2,2-Dichloropropane	4.22	77	96777	49.216	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	66873	48.820	ug/l	99
28) Bromochloromethane	4.55	49	53502	46.770	ug/l	94
29) Tetrahydrofuran	4.64	42	161678	235.882	ug/l	99
30) Chloroform	4.67	83	113026	48.046	ug/l	97
31) Cyclohexane	5.00	56	104444	47.794	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	96962	49.782	ug/l	99
36) 1,1-Dichloropropene	5.13	75	85149	54.032	ug/l	99
37) Ethyl Acetate	4.38	43	92779	48.959	ug/l	99
38) Carbon Tetrachloride	5.13	117	85804	51.535	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	101301	54.140	ug/l	97
40) Benzene	5.39	78	258701	52.861	ug/l	99
41) Methacrylonitrile	4.54	41	52279	48.970	ug/l	99
42) 1,2-Dichloroethane	5.40	62	88404	50.658	ug/l	96
43) Isopropyl Acetate	5.55	43	141786	49.137	ug/l	98
44) Trichloroethene	6.19	130	66328	54.760	ug/l	94
45) 1,2-Dichloropropane	6.43	63	68829	51.735	ug/l	100
46) Dibromomethane	6.56	93	44064	51.325	ug/l	92
47) Bromodichloromethane	6.76	83	87818	51.946	ug/l	99
48) Methyl methacrylate	6.62	41	72979	46.361	ug/l	96
49) 1,4-Dioxane	6.61	88	32790	909.715	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	470651	243.850	ug/l	98
52) Toluene	7.64	92	161510	55.403	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	98078	52.303	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	106703	52.992	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	65310	52.289	ug/l	99
56) Ethyl methacrylate	8.02	69	94740	45.310	ug/l	97
57) 1,3-Dichloropropane	8.24	76	112911	53.038	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	236560	236.595	ug/l	95
59) 2-Hexanone	8.36	43	372408	245.171	ug/l	97
60) Dibromochloromethane	8.48	129	71529	52.878	ug/l	100
61) 1,2-Dibromoethane	8.59	107	68673	50.673	ug/l	100
64) Tetrachloroethene	8.23	164	59898	56.127	ug/l	96
65) Chlorobenzene	9.12	112	176550	52.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	64535	52.652	ug/l	99
67) Ethyl Benzene	9.25	91	298573	54.409	ug/l	99
68) m/p-Xylenes	9.38	106	239947	114.946	ug/l	96
69) o-Xylene	9.78	106	114010	51.091	ug/l	97
70) Styrene	9.79	104	192494	51.188	ug/l	98
71) Bromoform	9.96	173	56042	52.572	ug/l #	99
73) Isopropylbenzene	10.17	105	307991	51.999	ug/l	99
74) N-amyl acetate	10.02	43	126569	45.263	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	105803	43.831	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	86054m	44.197	ug/l	
77) Bromobenzene	10.45	156	81504	50.631	ug/l	95
78) n-propylbenzene	10.59	91	360534	52.335	ug/l	99
79) 2-Chlorotoluene	10.66	91	212329	49.721	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	262205	52.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	32106m	53.416	ug/l	
82) 4-Chlorotoluene	10.77	91	247776	51.642	ug/l	98
83) tert-Butylbenzene	11.10	119	259962	51.452	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	272087	54.185	ug/l	99
85) sec-Butylbenzene	11.33	105	317531	52.921	ug/l	98
86) p-Isopropyltoluene	11.48	119	291095	50.457	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	152480	50.773	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	155684	49.917	ug/l	99
89) n-Butylbenzene	11.89	91	248494	47.083	ug/l	96
90) Hexachloroethane	12.15	117	48996	46.277	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	152148	50.364	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22490	46.471	ug/l	93

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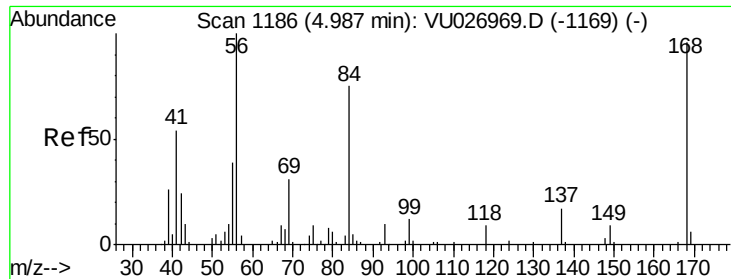
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	110086	54.874	ug/l	99
94) Hexachlorobutadiene	13.69	225	58360	56.548	ug/l	98
95) Naphthalene	13.75	128	329182	48.801	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	113848	54.338	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 98269

Ion Ratio Lower Upper

168 100

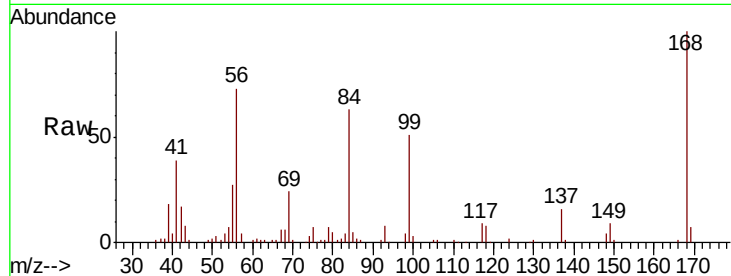
99 51.0 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

50000

40000

30000

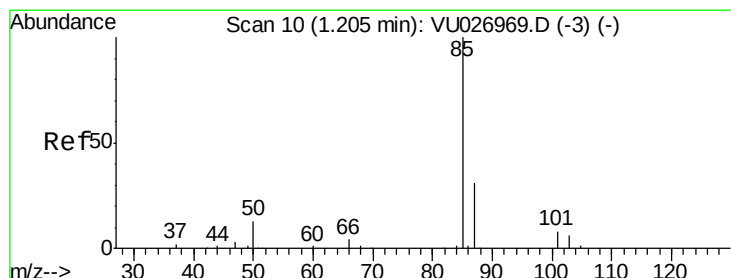
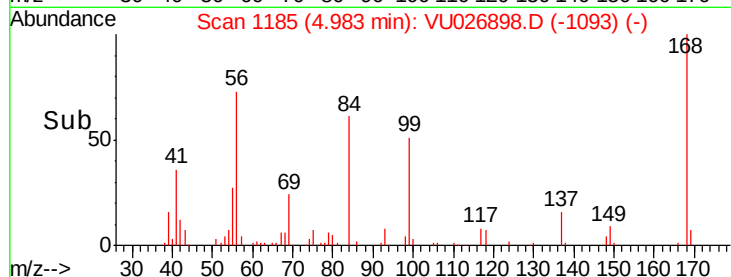
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.848 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026898.D

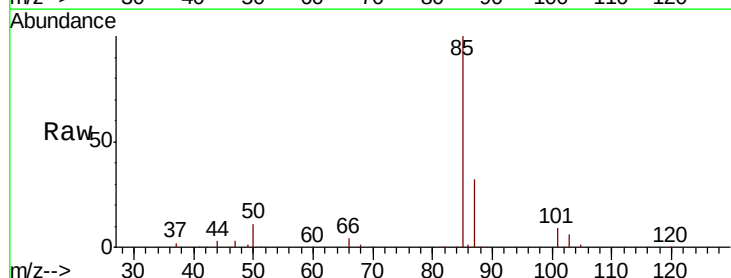
Acq: 19 Sep 2018 15:34

Tgt Ion: 85 Resp: 56109

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.20

60000

50000

40000

30000

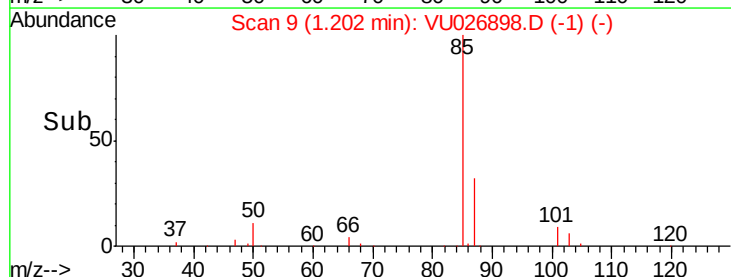
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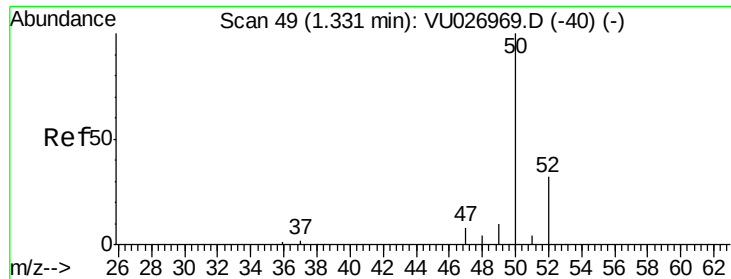
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.568 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 70559

Ion Ratio Lower Upper

50 100

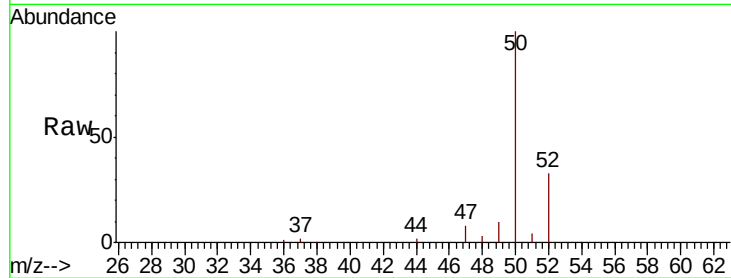
52 33.3 26.3 39.5

Manual Integrations

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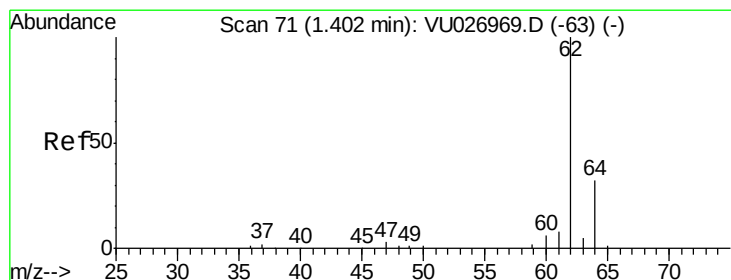
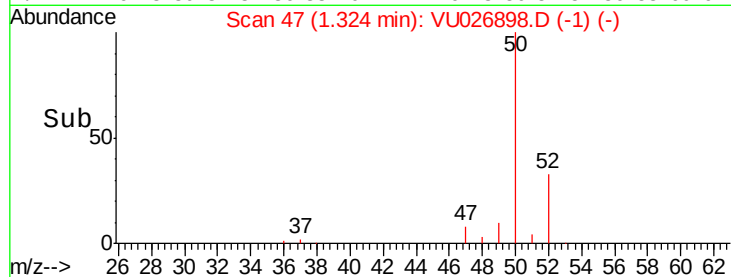
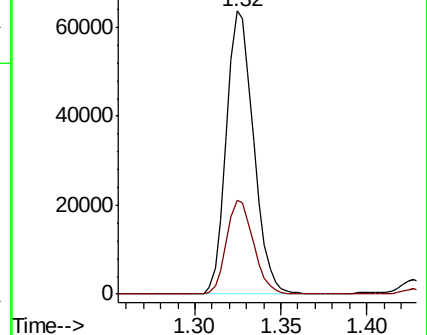
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.856 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026898.D

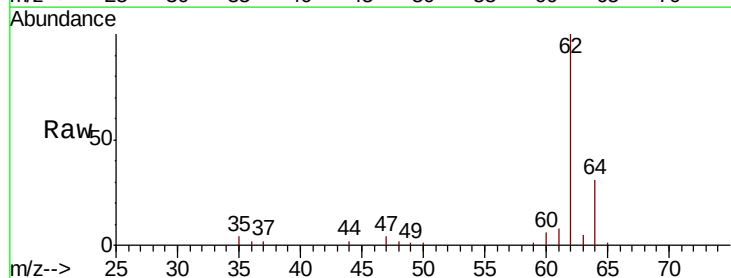
Acq: 19 Sep 2018 15:34

Tgt Ion: 62 Resp: 70490

Ion Ratio Lower Upper

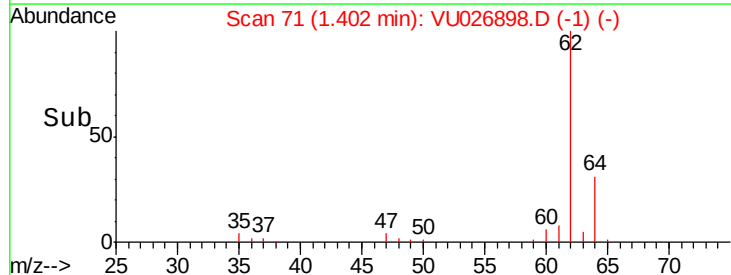
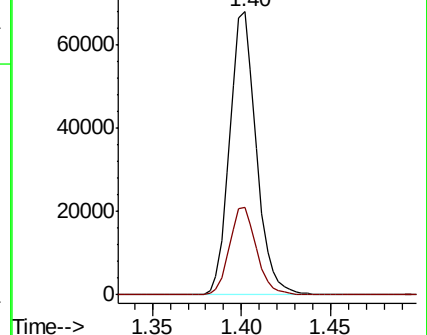
62 100

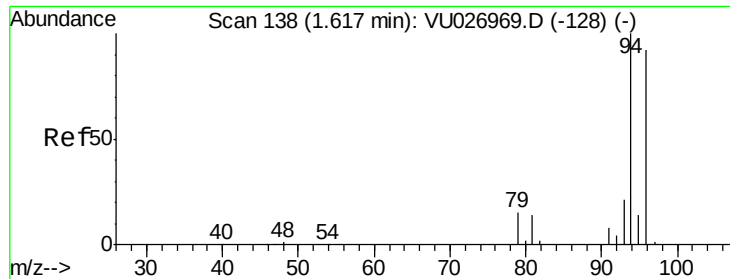
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 54.050 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 52039

Ion Ratio Lower Upper

94 100

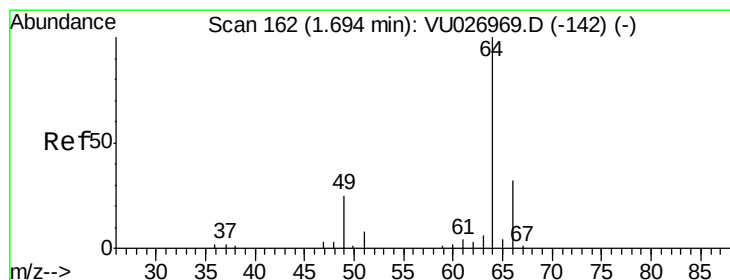
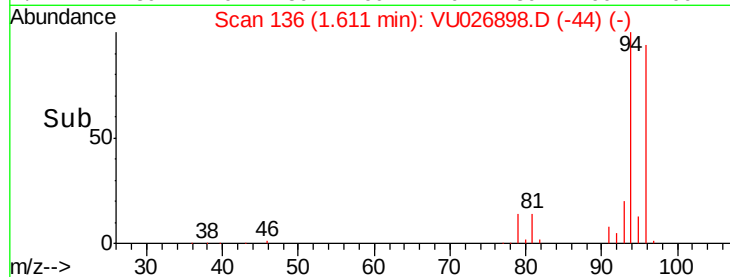
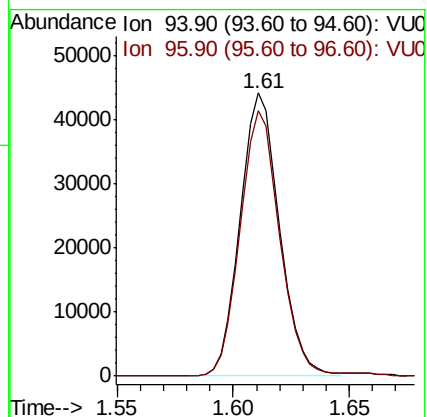
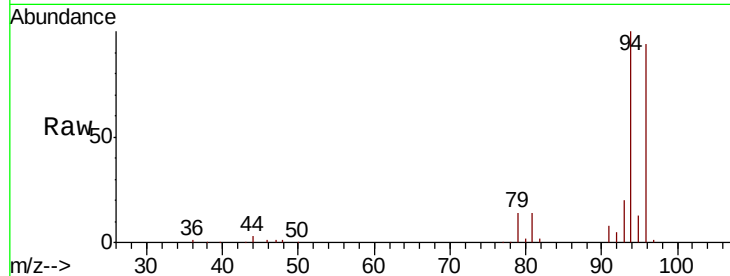
96 93.9 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 46.409 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU026898.D

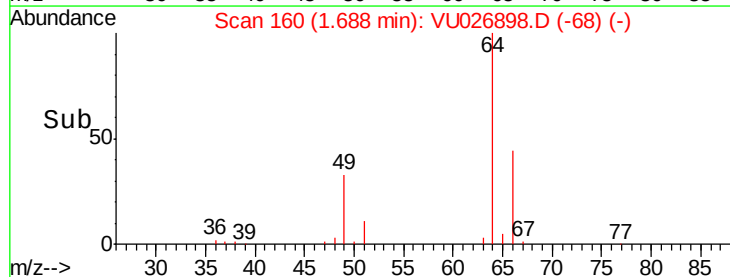
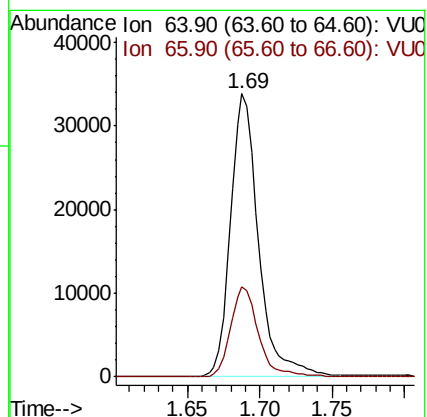
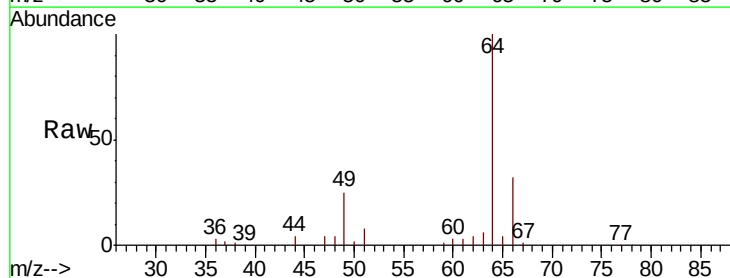
Acq: 19 Sep 2018 15:34

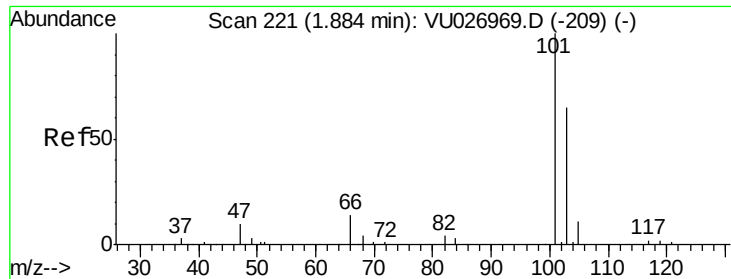
Tgt Ion: 64 Resp: 45402

Ion Ratio Lower Upper

64 100

66 31.8 24.7 37.1





#7

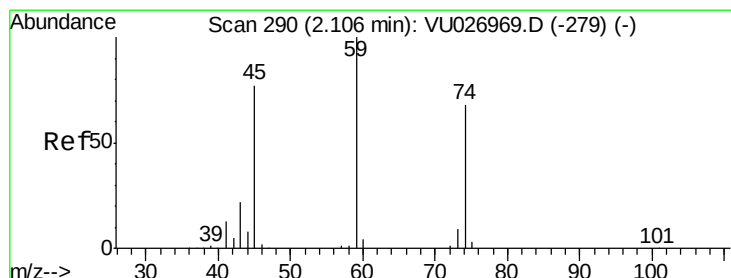
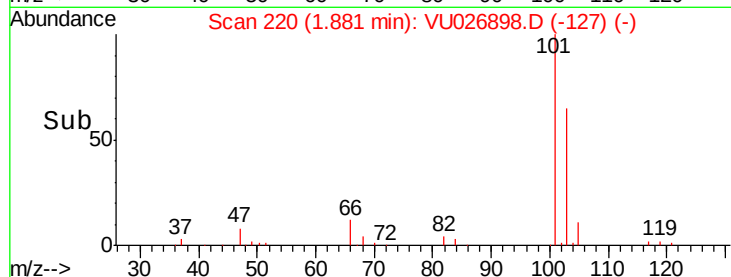
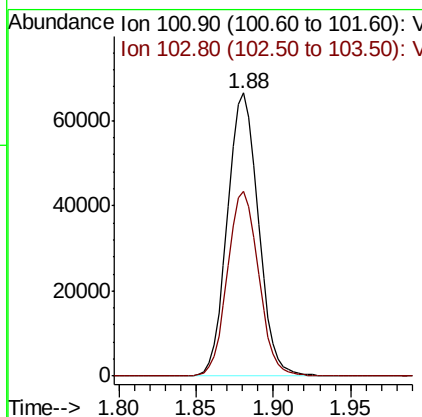
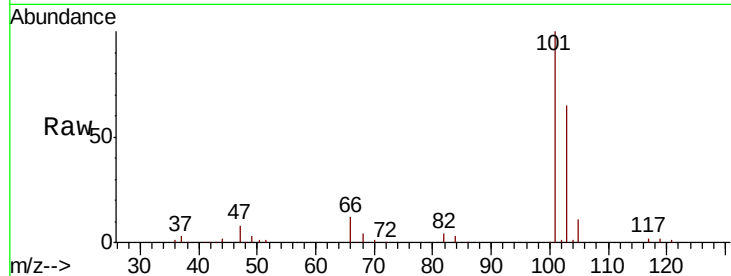
Trichlorofluoromethane
Concen: 45.937 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 92311
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5

Manual Integrations
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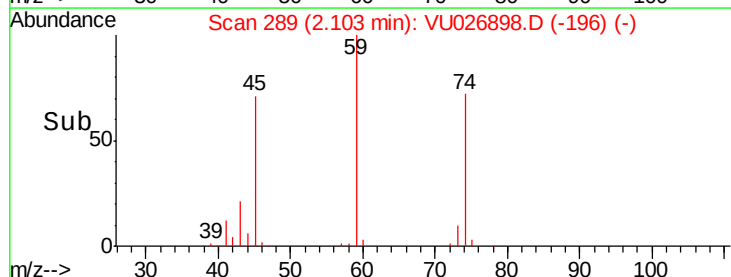
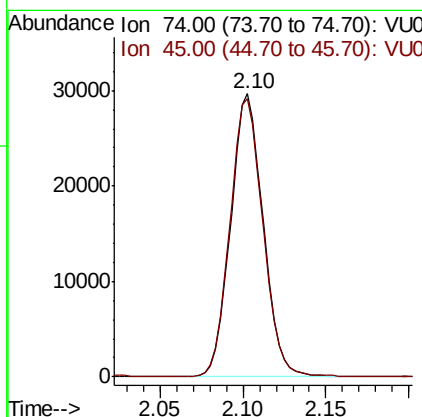
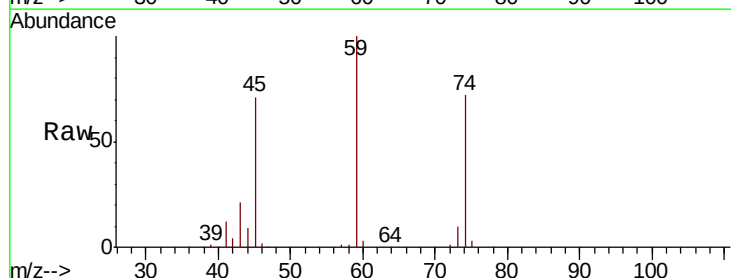
MMDadoda
9/21/2018 4:12:22 PM

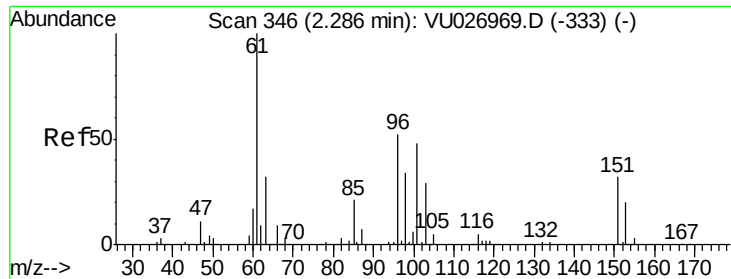


#8

Diethyl Ether
Concen: 45.944 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion: 74 Resp: 40457
Ion Ratio Lower Upper
74 100
45 100.3 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.417 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

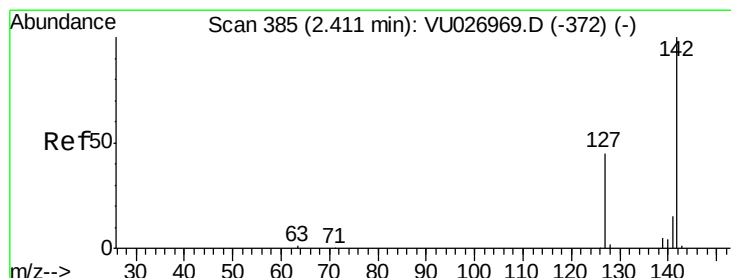
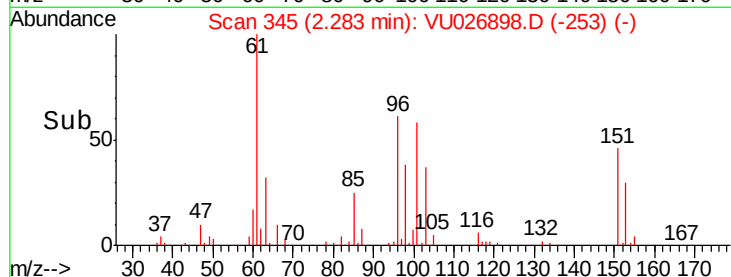
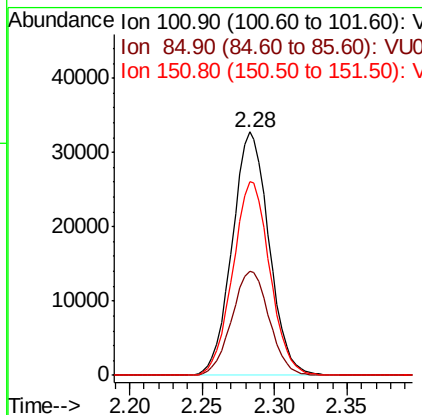
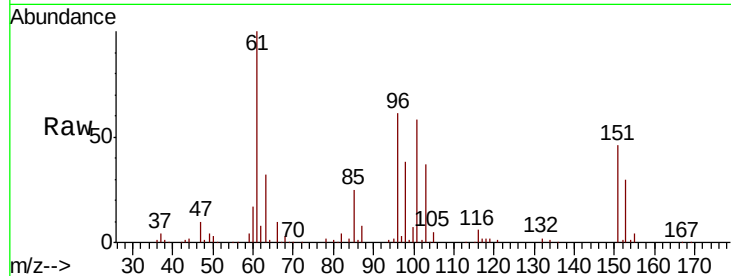
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	57780
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.6	52.0
151	80.0	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 36.703 ug/l

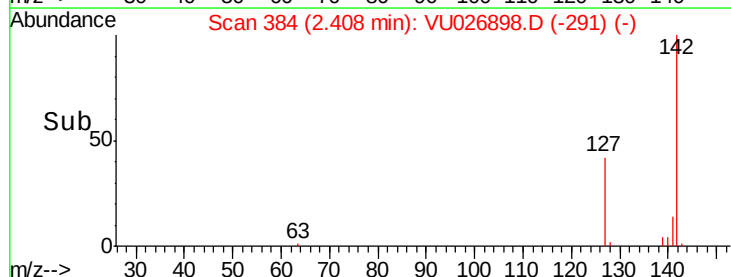
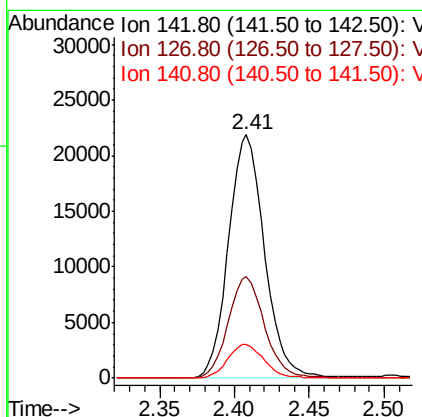
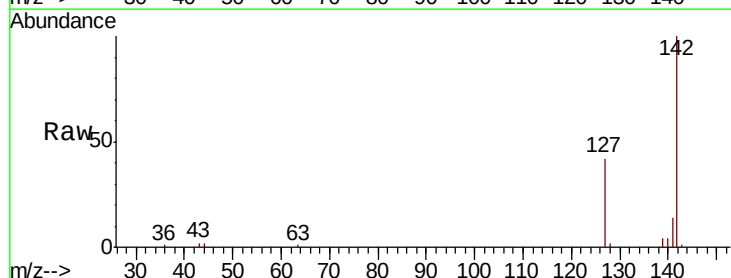
RT: 2.41 min Scan# 384

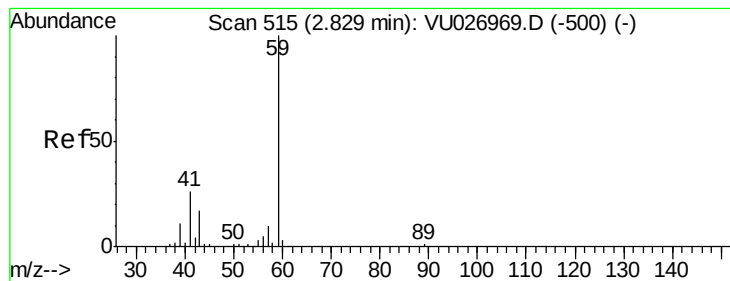
Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Tgt Ion:	142	Resp:	36750
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.1	51.1
141	13.8	11.2	16.8





#11

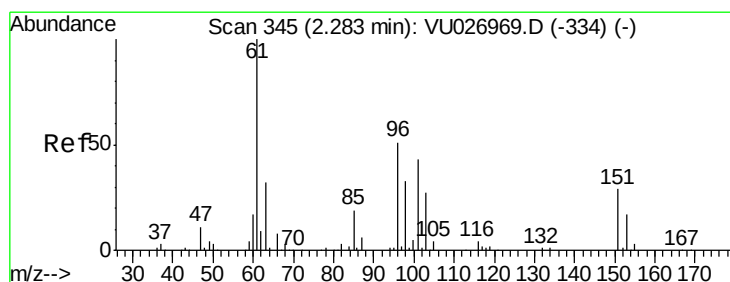
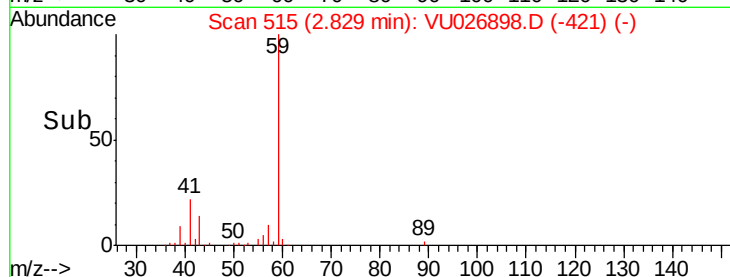
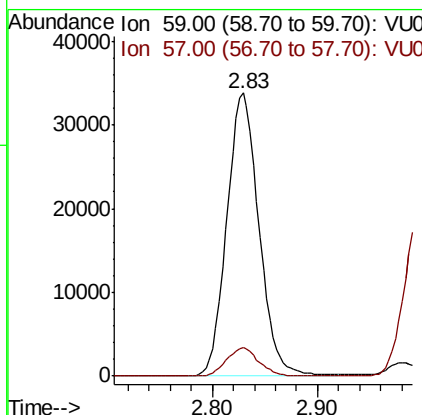
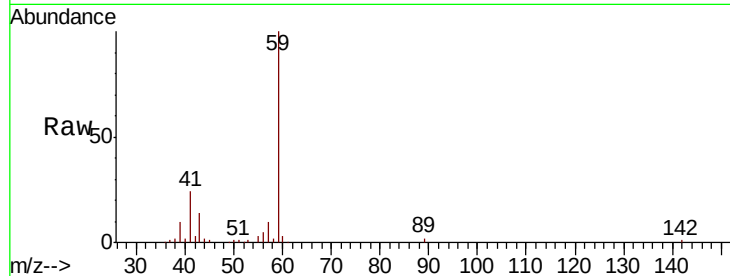
Tert butyl alcohol
 Concen: 196.501 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	71399
Ion Ratio	100	Lower	Upper
57	10.0	8.0	12.0

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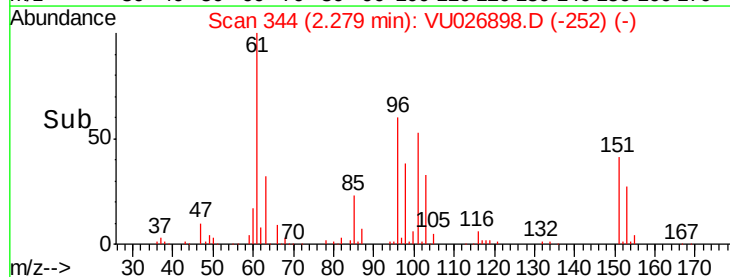
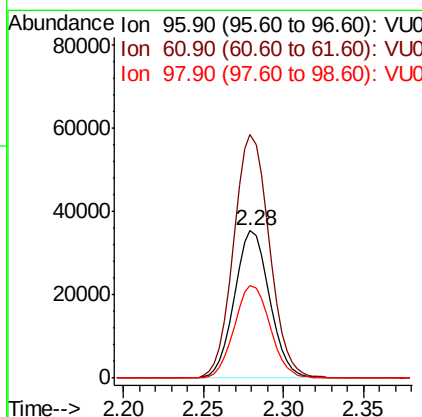
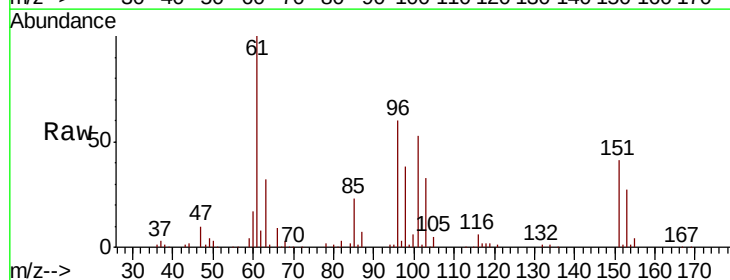
MMDadoda
 9/21/2018 4:12:22 PM

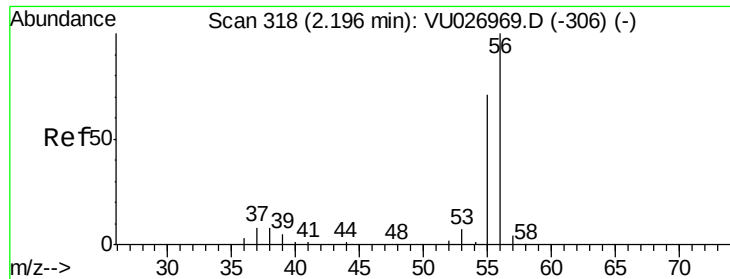


#12

1,1-Dichloroethene
 Concen: 46.788 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	96	Resp	52785
Ion Ratio	100	Lower	Upper
61	165.6	133.0	199.6
98	62.8	51.3	76.9





#13

Acrolein

Concen: 304.955 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 74672

Ion Ratio Lower Upper

56 100

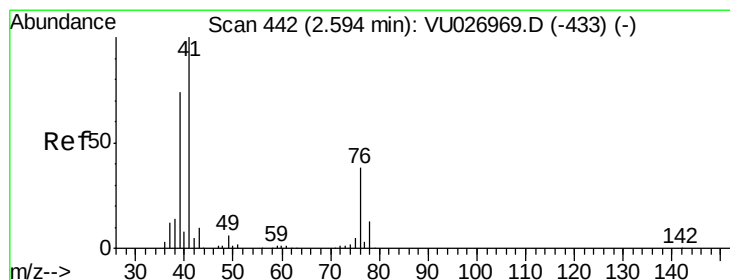
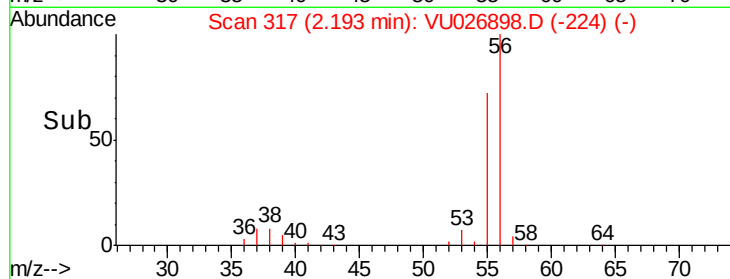
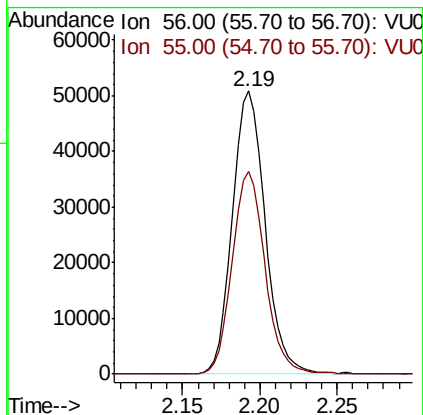
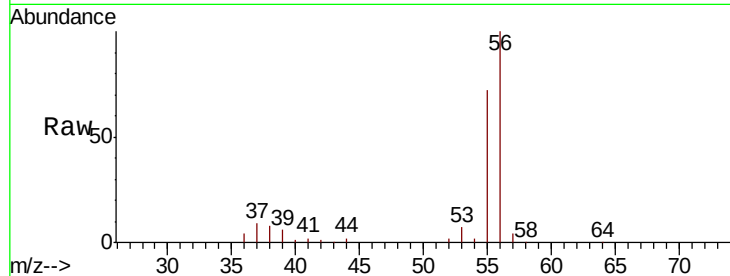
55 72.1 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 47.370 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

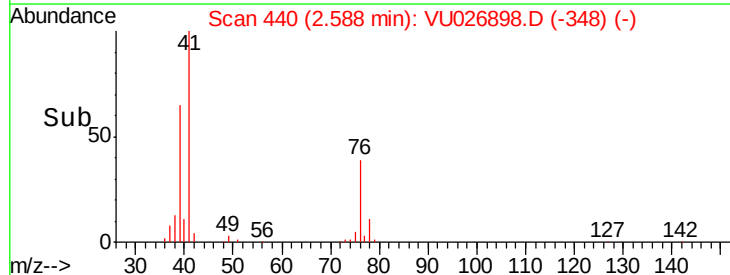
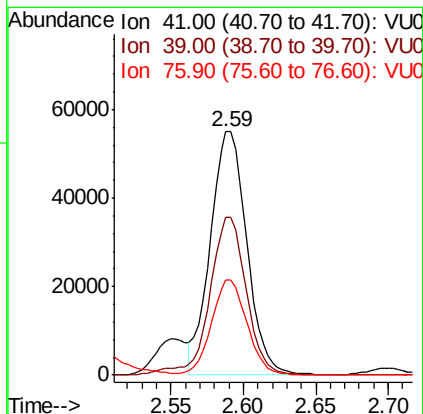
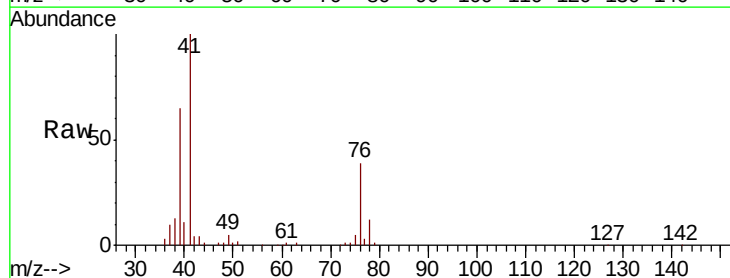
Tgt Ion: 41 Resp: 96252

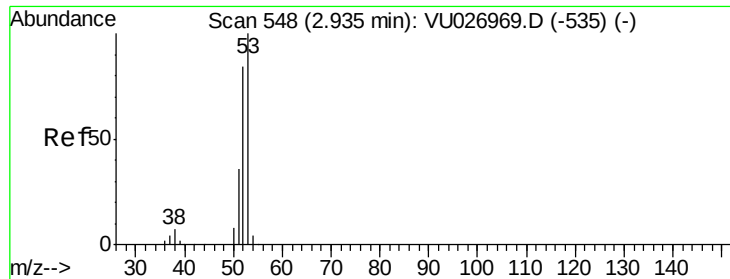
Ion Ratio Lower Upper

41 100

39 65.3 56.9 85.3

76 37.9 29.7 44.5





#15

Acrylonitrile

Concen: 244.166 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

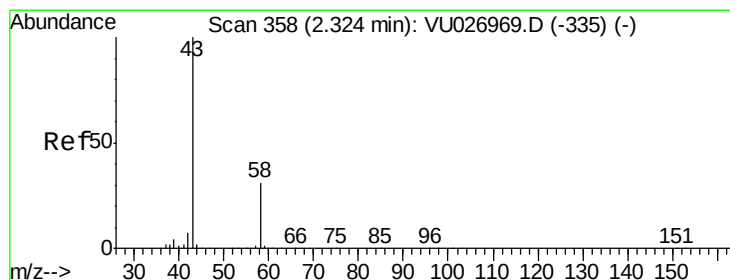
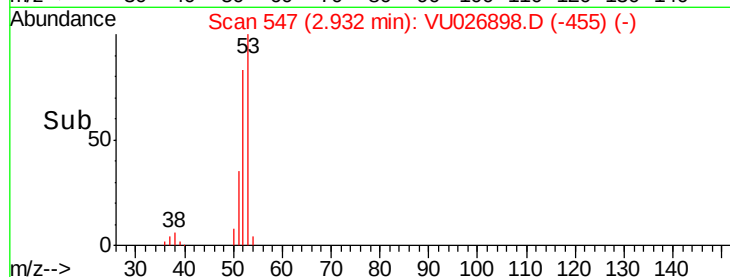
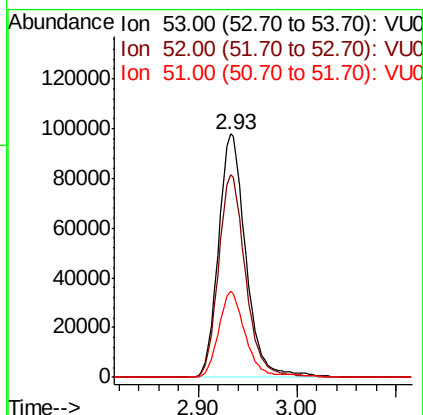
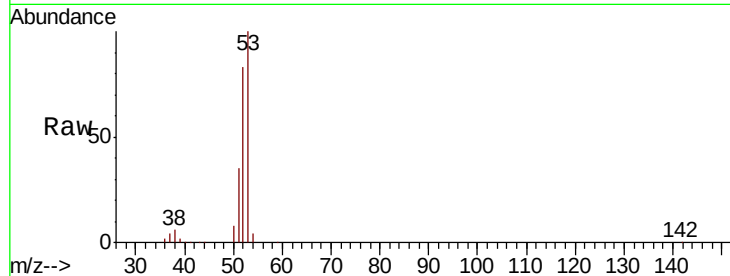
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	190263
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	35.4	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 242.745 ug/l

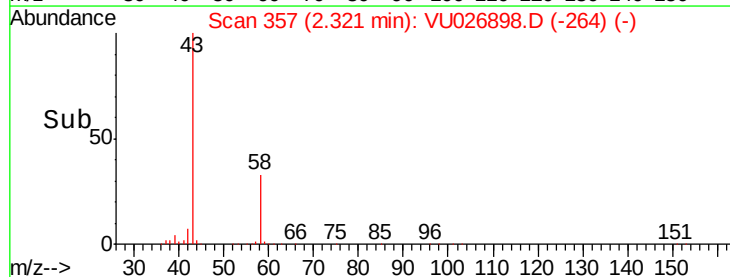
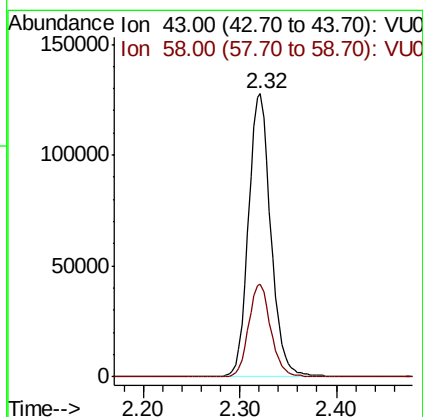
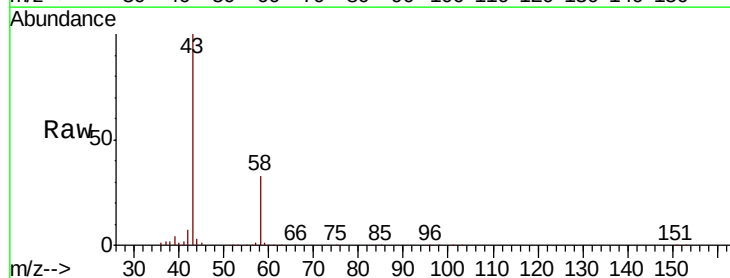
RT: 2.32 min Scan# 357

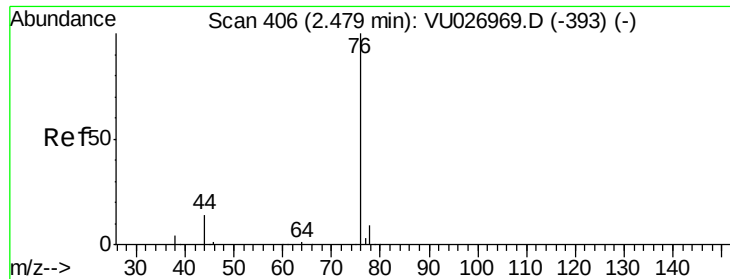
Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Tgt Ion:	43	Resp:	204872
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.1	37.7





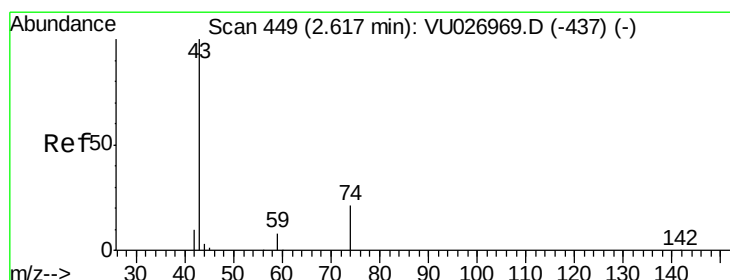
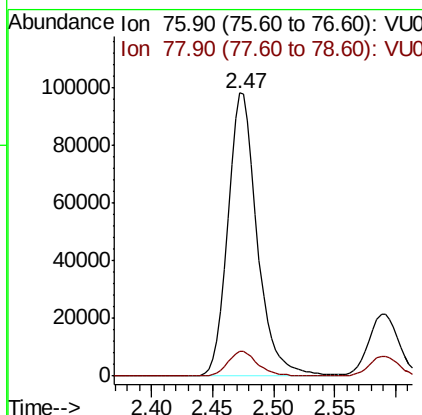
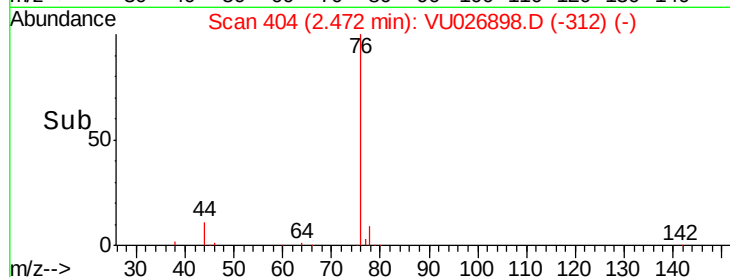
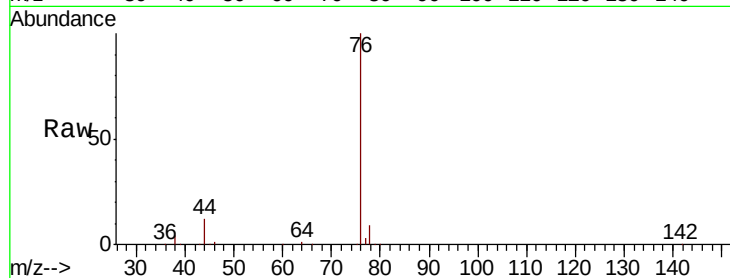
#17
Carbon Disulfide
Concen: 45.902 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

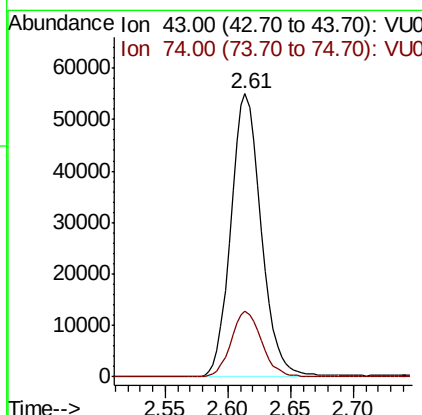
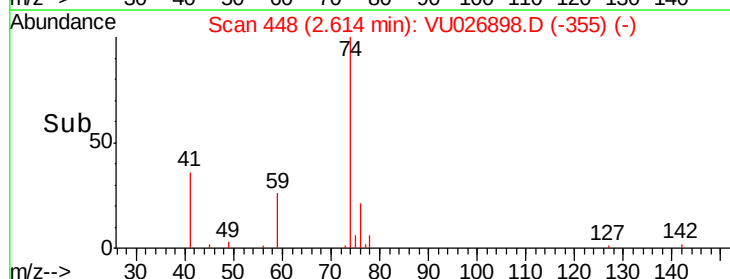
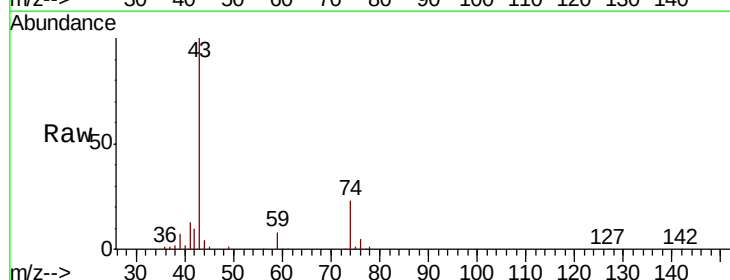
Manual Integrations
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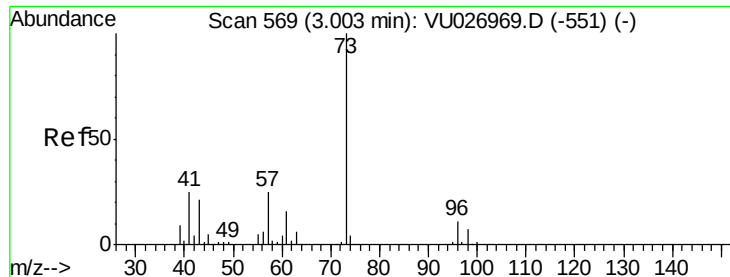
MMDadoda
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#18
Methyl Acetate
Concen: 50.906 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	17.7	26.5





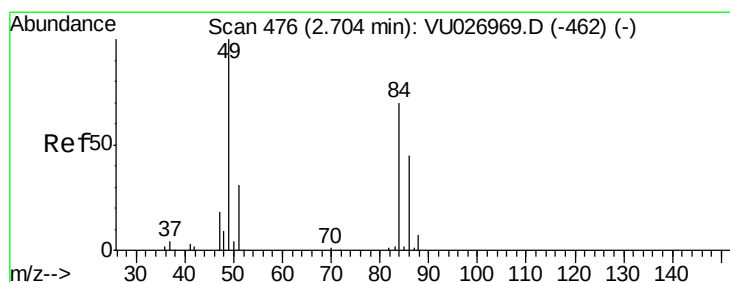
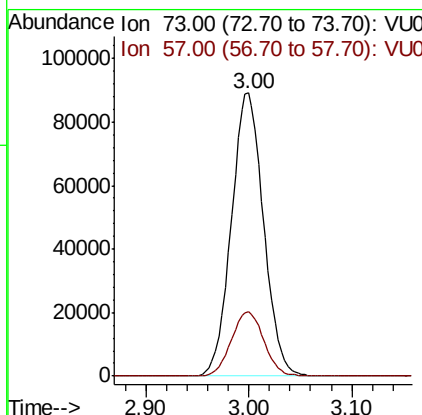
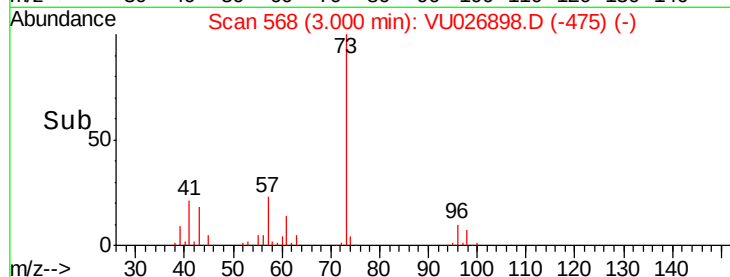
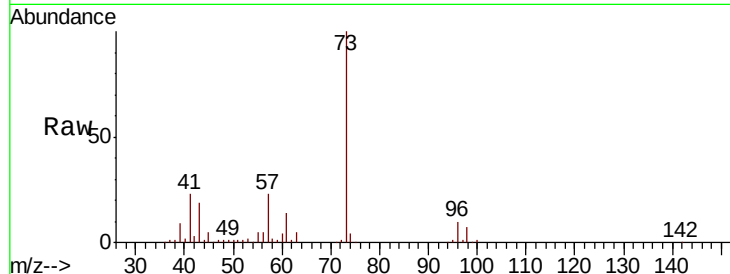
#19
Methyl tert-butyl Ether
Concen: 49.778 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.9	28.3

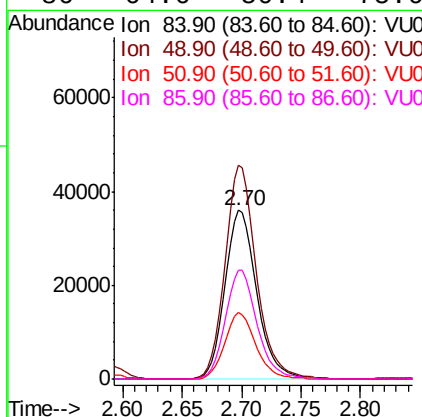
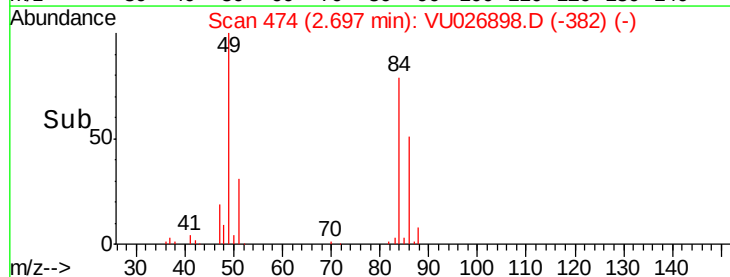
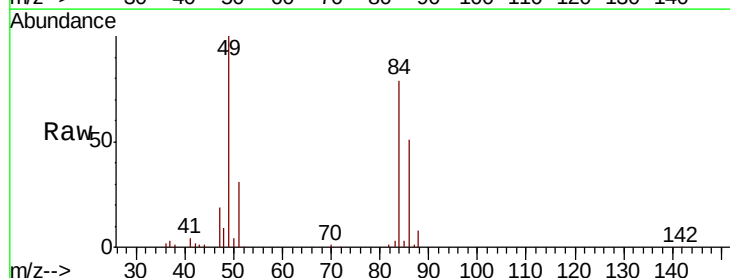
Manual Integrations
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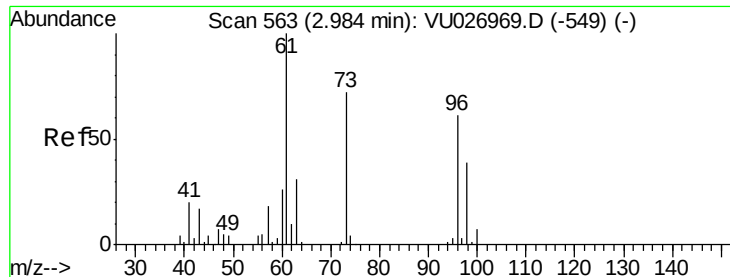
MMDadoda
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#20
Methylene Chloride
Concen: 48.856 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.7	100.6	151.0
51	39.3	30.9	46.3
86	64.6	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 49.607 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

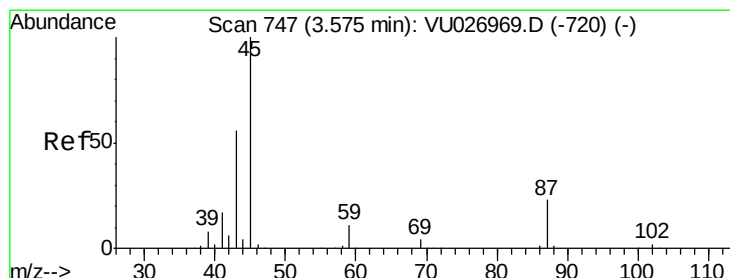
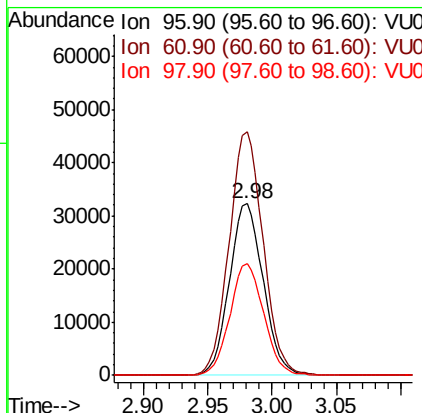
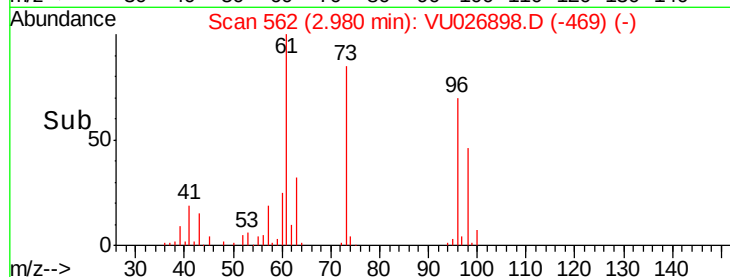
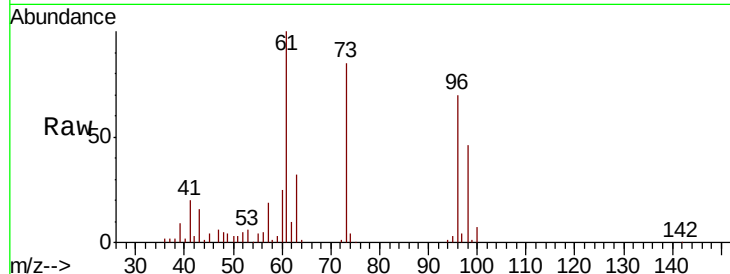
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	58958
Ion	Ratio	Lower	Upper
96	100		
61	142.0	117.7	176.5
98	64.8	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.953 ug/l

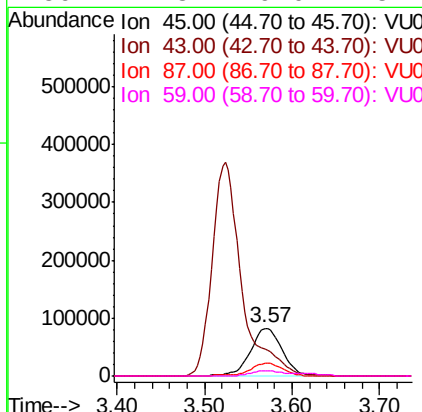
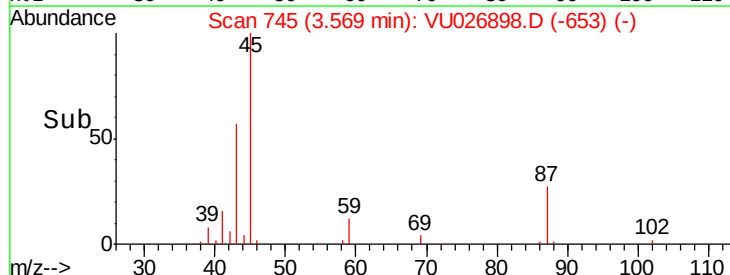
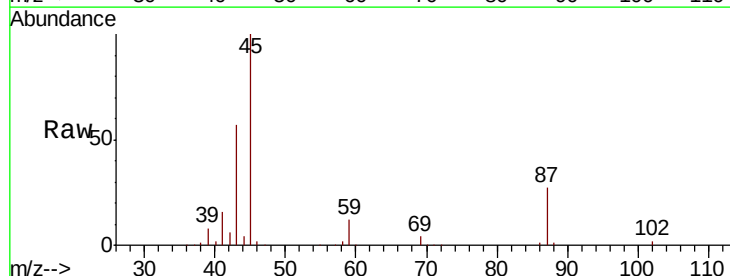
RT: 3.57 min Scan# 745

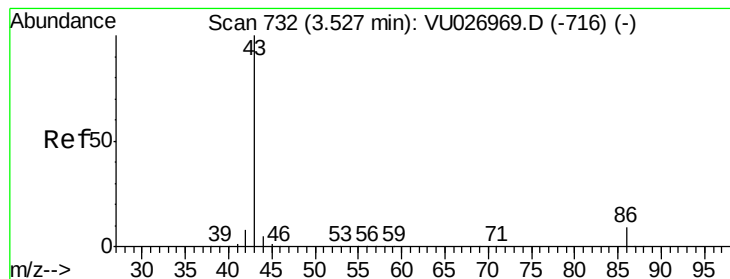
Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Tgt Ion:	45	Resp:	207597
Ion	Ratio	Lower	Upper
45	100		
43	56.1	44.6	67.0
87	26.8	21.4	32.0
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 240.926 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 867902

Ion Ratio Lower Upper

43 100

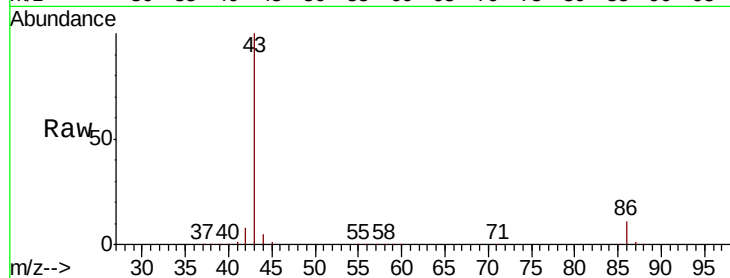
86 10.8 7.8 11.8

Manual Integrations

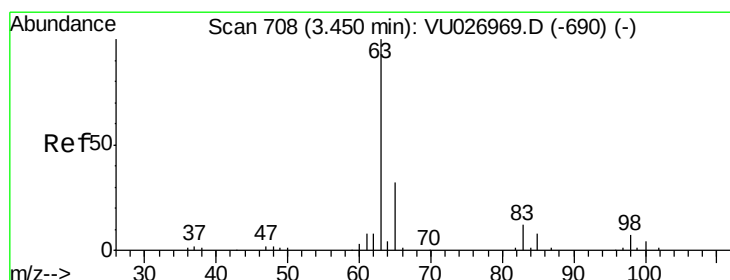
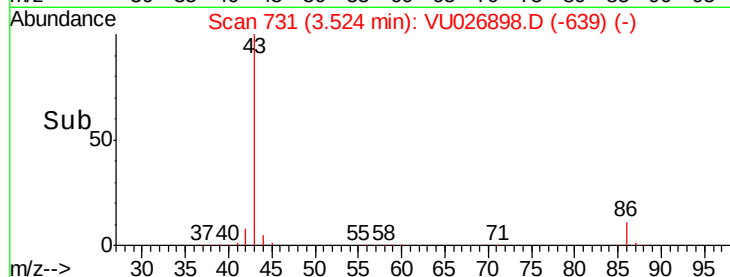
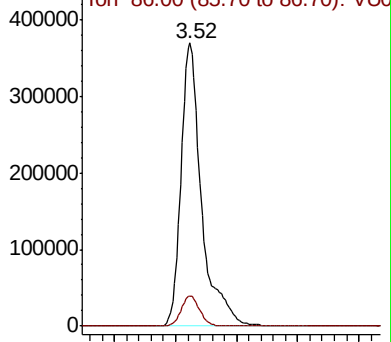
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Abundance Ion 43.00 (42.70 to 43.70): VU026898.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 49.036 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

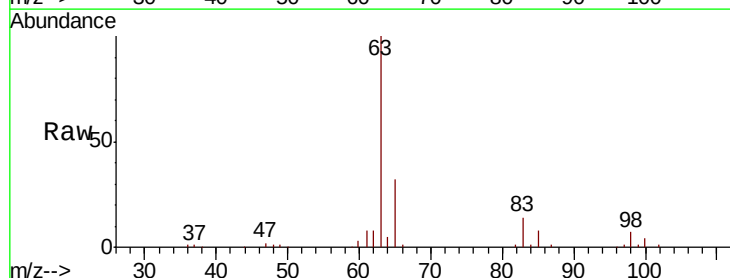
Tgt Ion: 63 Resp: 117307

Ion Ratio Lower Upper

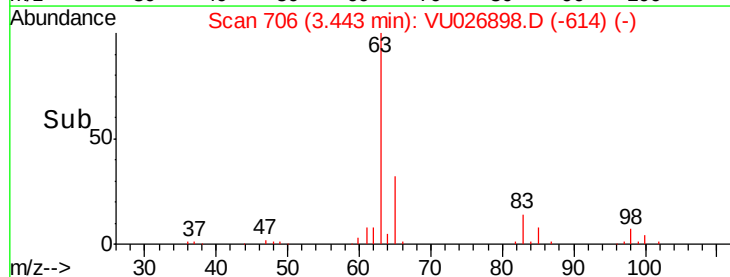
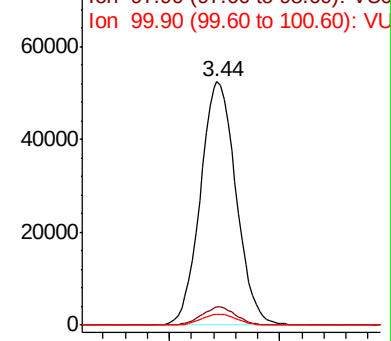
63 100

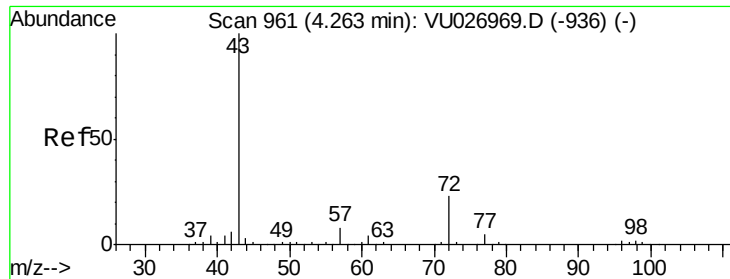
98 7.3 3.1 9.4

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU026898.D (-614) (-)





#25

2-Butanone

Concen: 235.932 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 268225

Ion Ratio Lower Upper

43 100

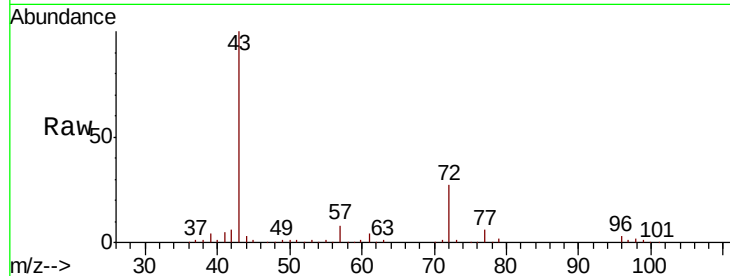
72 26.7 20.3 30.5

Manual Integrations

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9/21/2018 4:12:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

4.26

120000

100000

80000

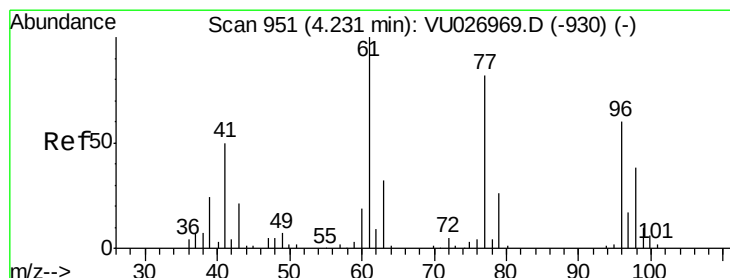
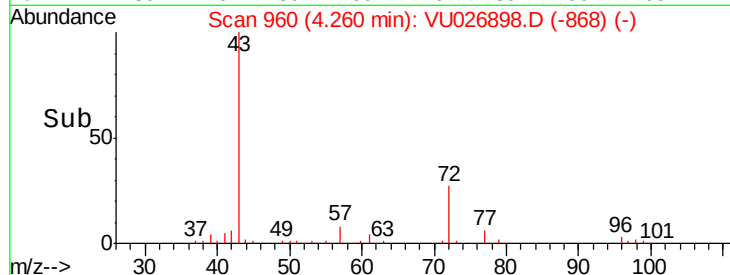
60000

40000

20000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 49.216 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026898.D

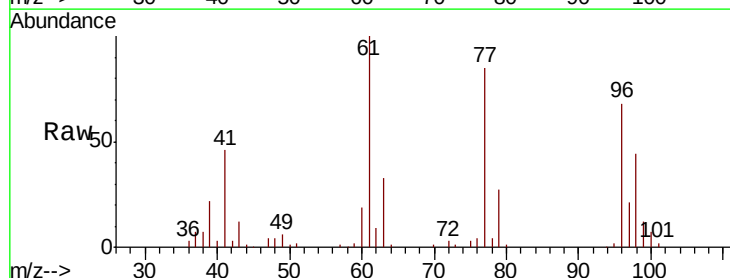
Acq: 19 Sep 2018 15:34

Tgt Ion: 77 Resp: 96777

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

4.22

40000

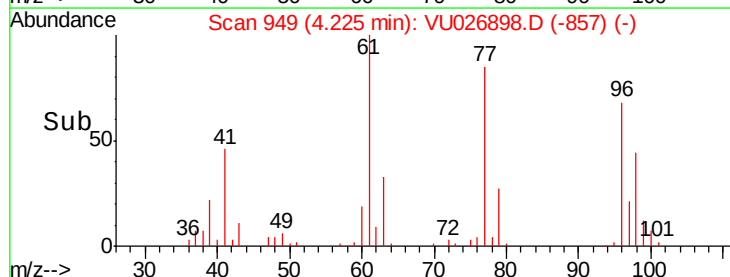
30000

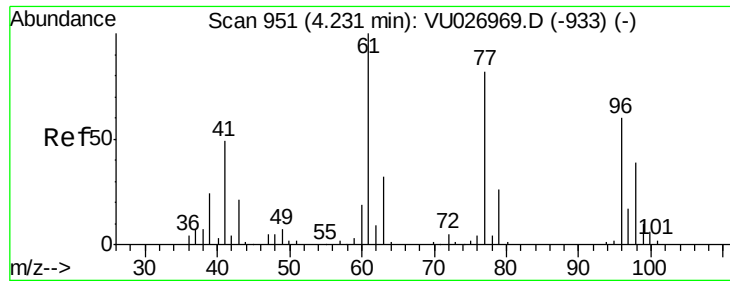
20000

10000

0

Time--> 4.10 4.20 4.30





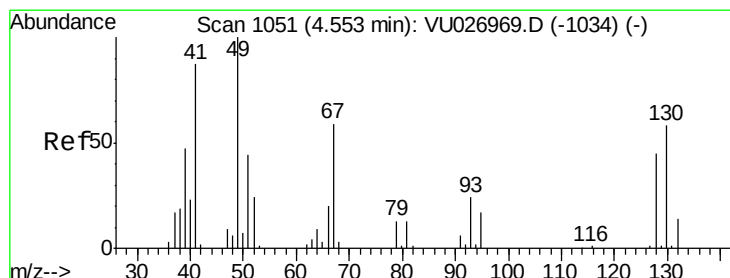
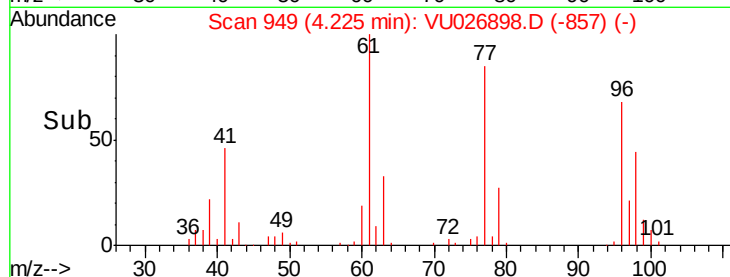
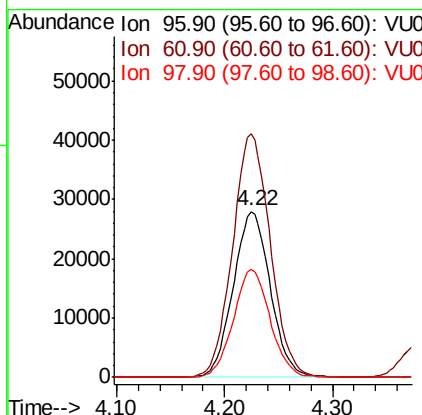
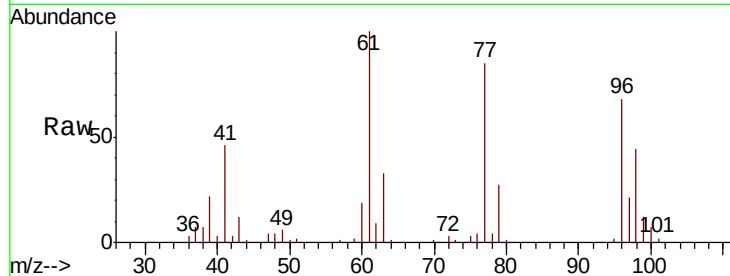
#27
 cis-1,2-Dichloroethene
 Concen: 48.820 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66873		
61	149.4	0.0	301.8	
98	64.4	0.0	127.2	

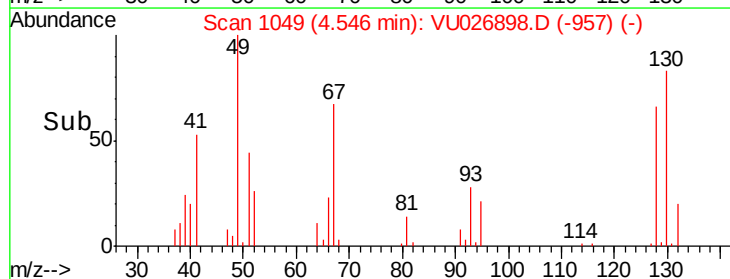
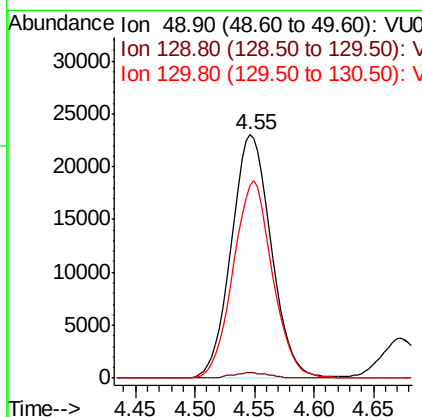
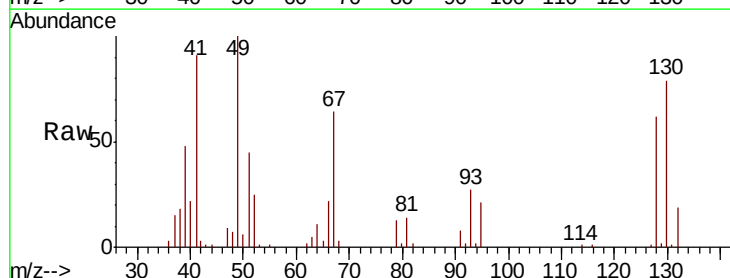
Manual Integrations
 APPROVED

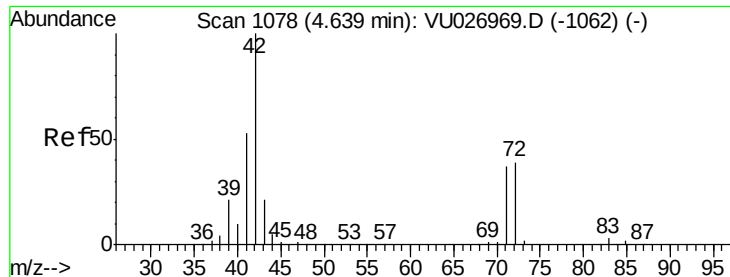
MMDadoda
 9/21/2018 4:12:22 PM



#28
 Bromochloromethane
 Concen: 46.770 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53502		
129	2.0	0.0	3.8	
130	79.6	59.8	89.6	





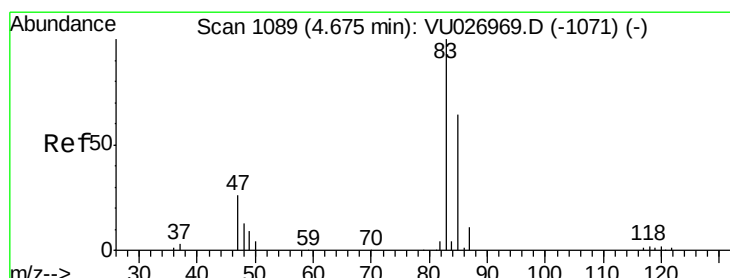
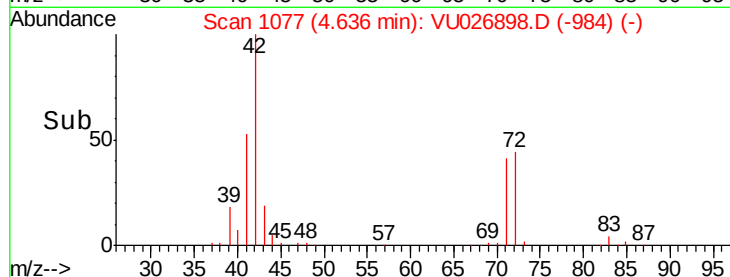
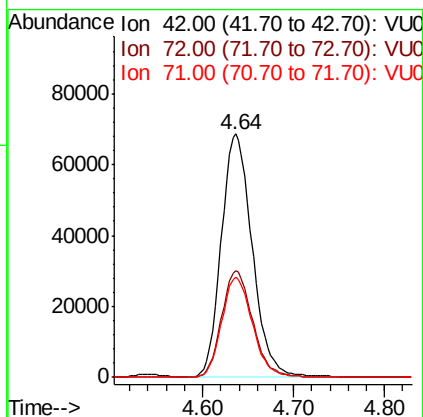
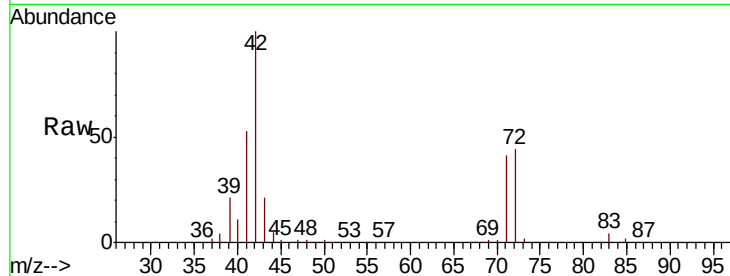
#29
Tetrahydrofuran
Concen: 235.882 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.4	51.6
71	41.0	32.4	48.6

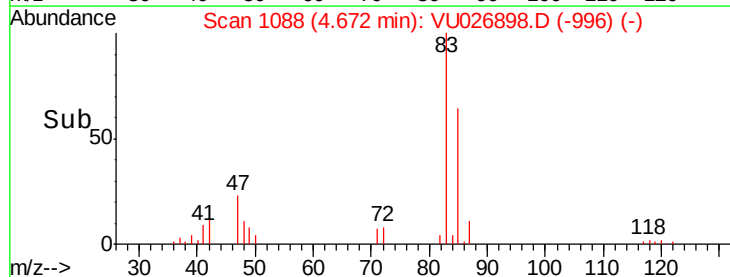
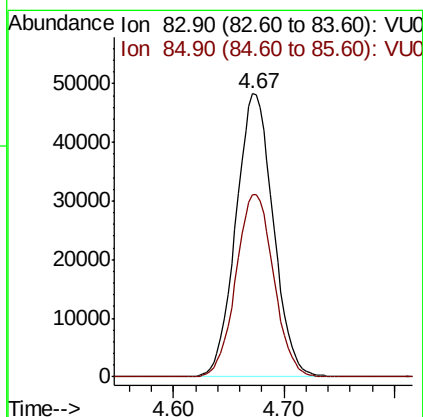
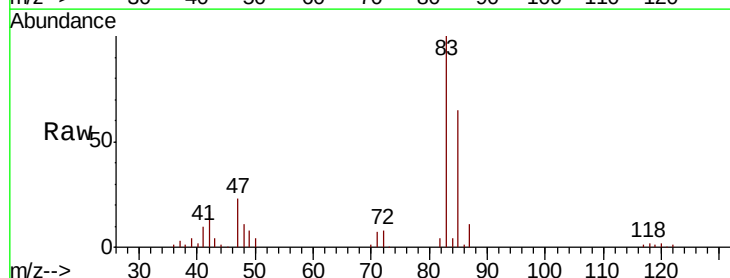
Manual Integrations
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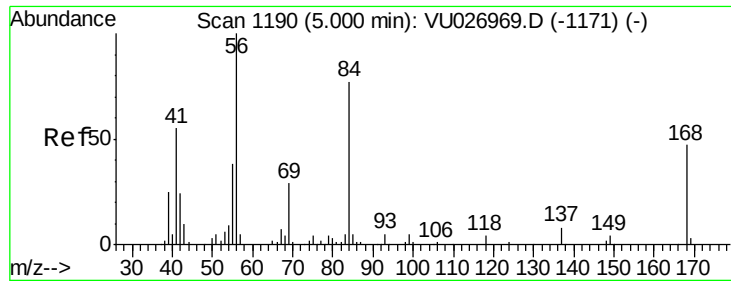
MMDadoda
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#30
Chloroform
Concen: 48.046 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.3	79.9





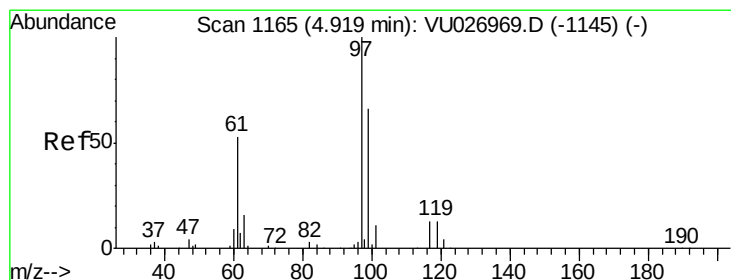
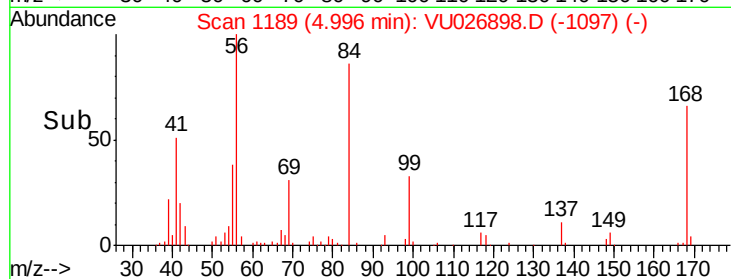
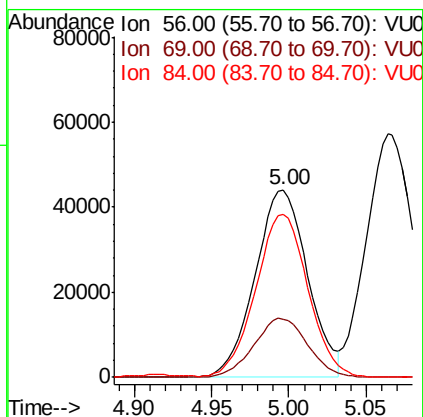
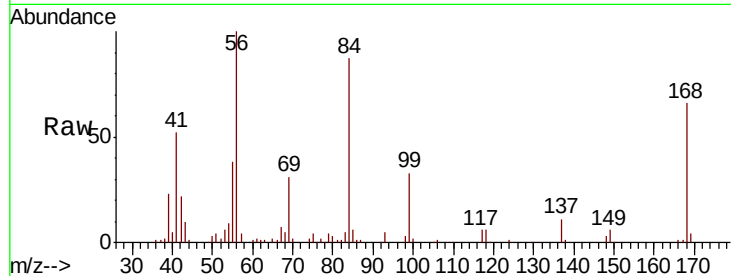
#31
Cyclohexane
Concen: 47.794 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	86.3	66.6	100.0

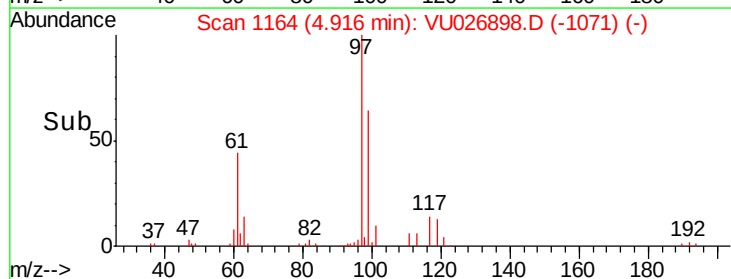
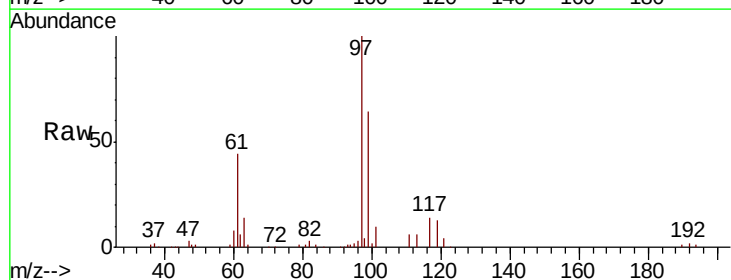
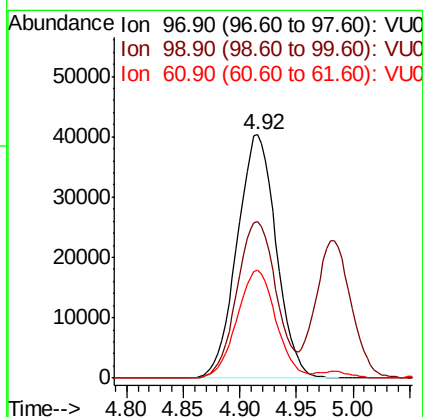
Manual Integrations
APPROVED

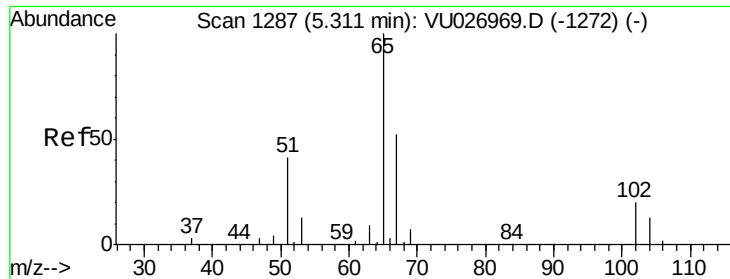
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.782 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	44.3	36.8	55.2





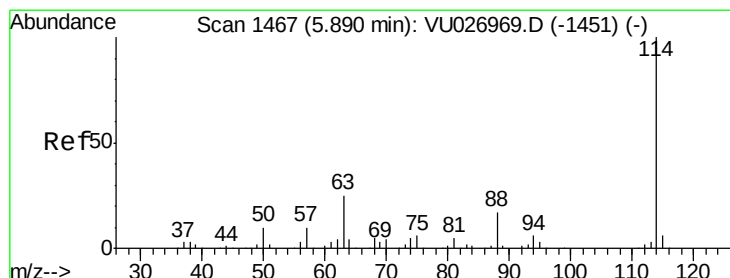
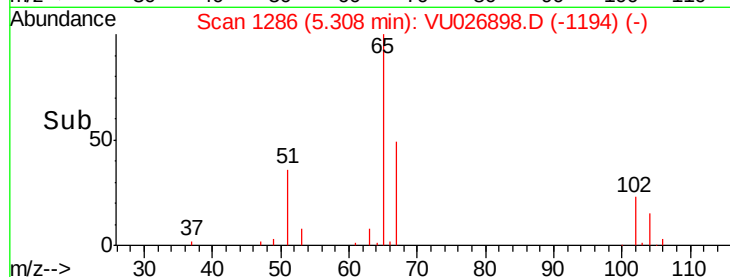
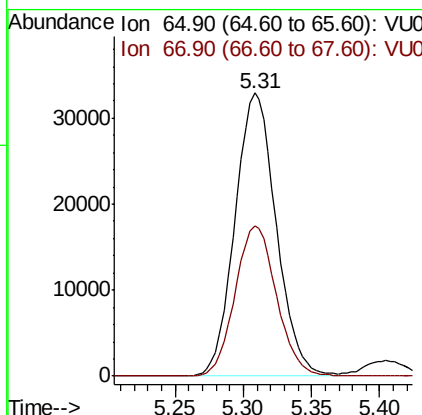
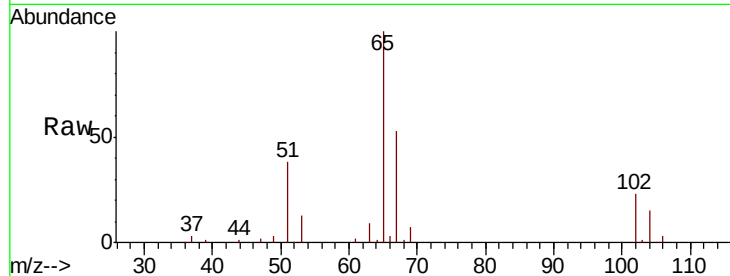
#33
 1,2-Dichloroethane-d4
 Concen: 46.306 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.4

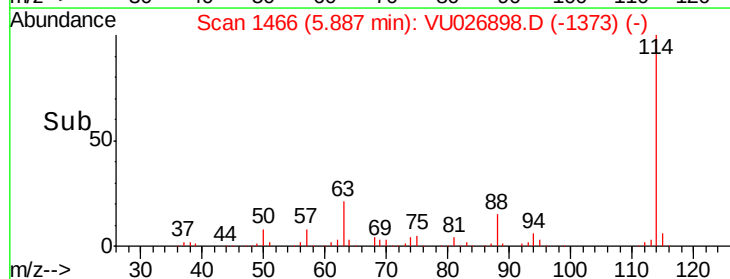
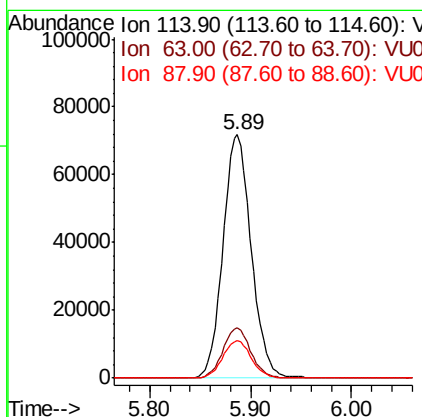
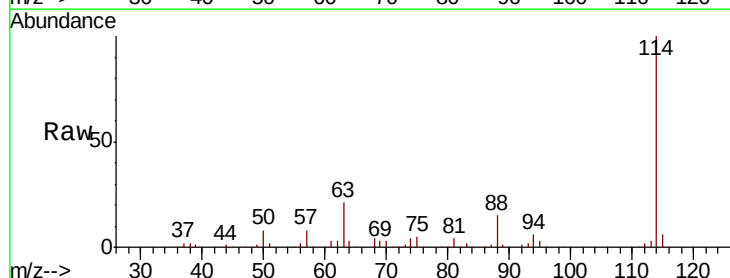
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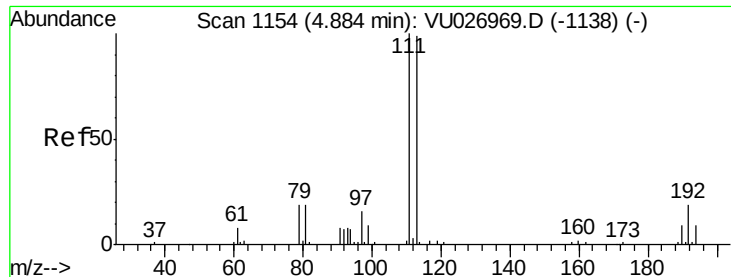
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.4
88	15.2	0.0	30.8





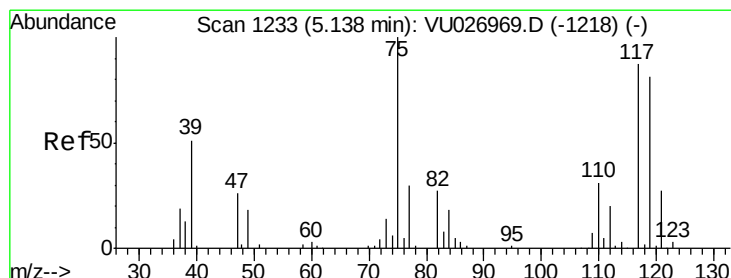
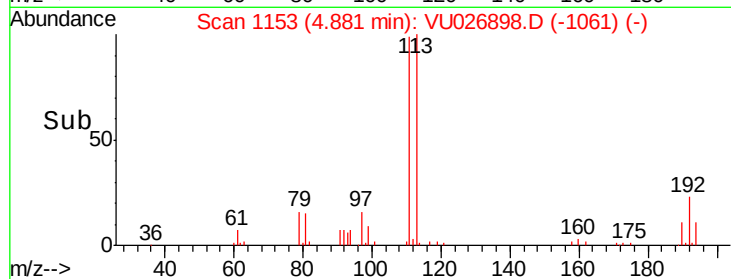
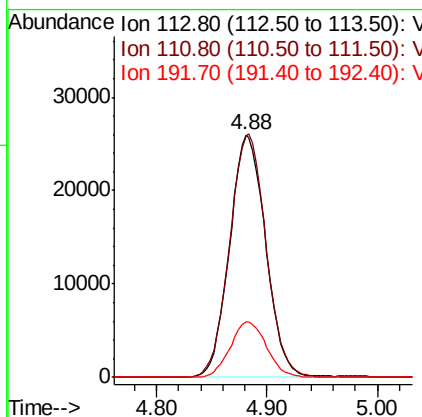
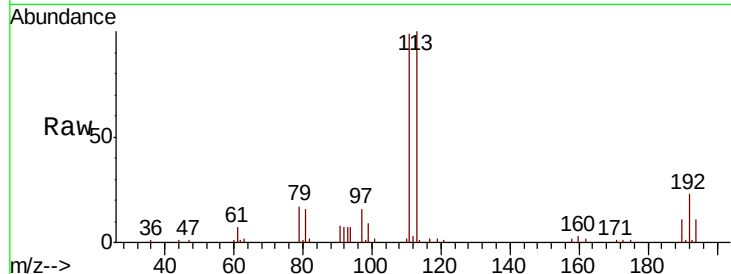
#35
 Dibromofluoromethane
 Concen: 51.345 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.1	124.7
192	22.9	17.4	26.2

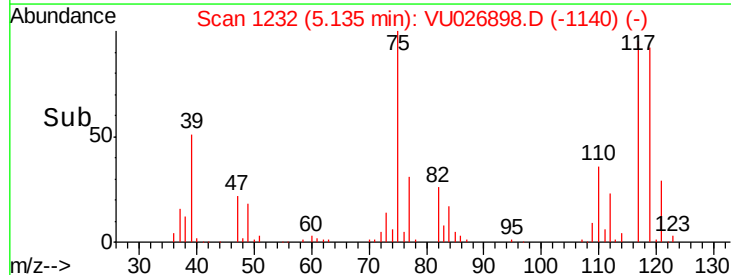
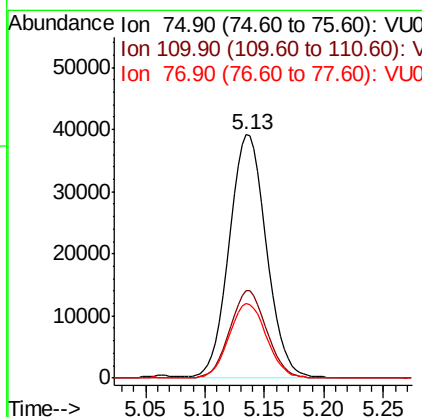
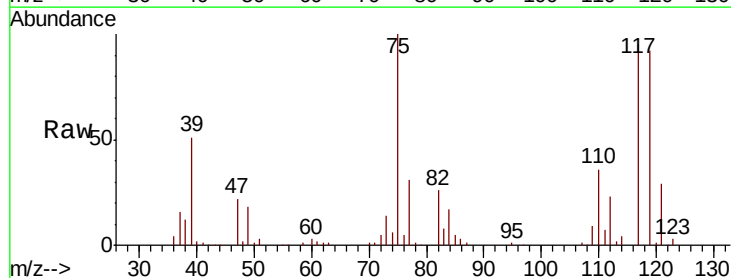
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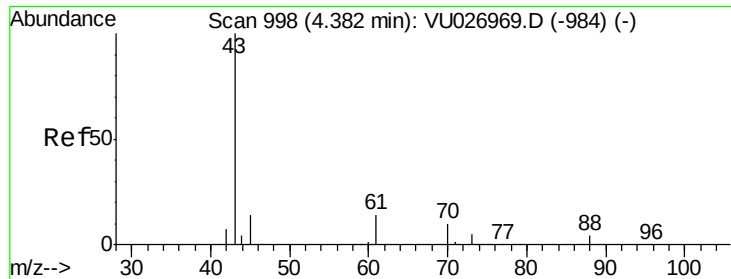
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#36
 1,1-Dichloropropene
 Concen: 54.032 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.3	51.9
77	30.9	24.9	37.3





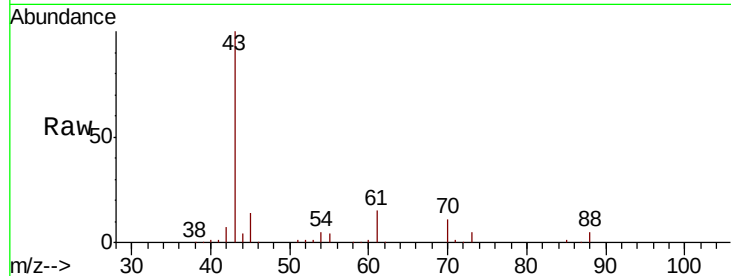
#37
Ethyl Acetate
Concen: 48.959 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

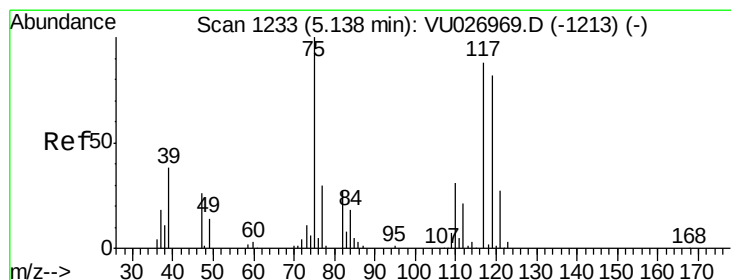
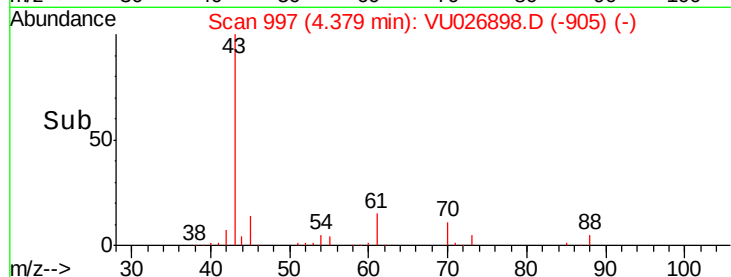
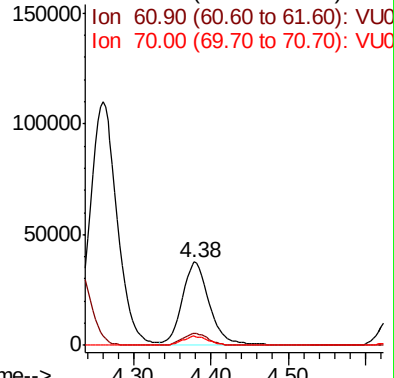
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.6	7.8	11.8

Manual Integrations
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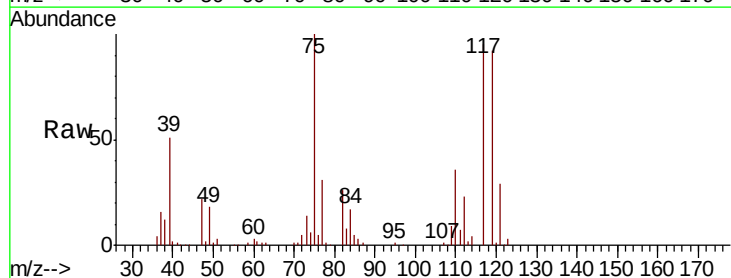


Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

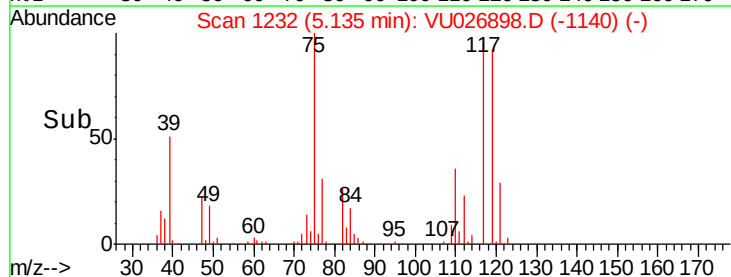
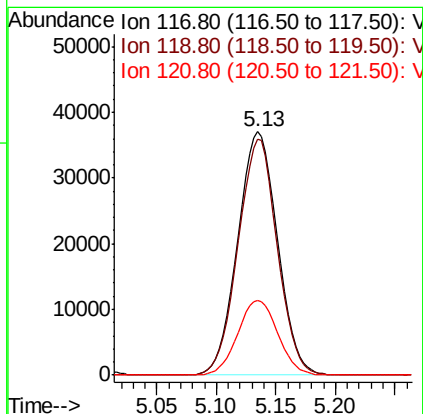


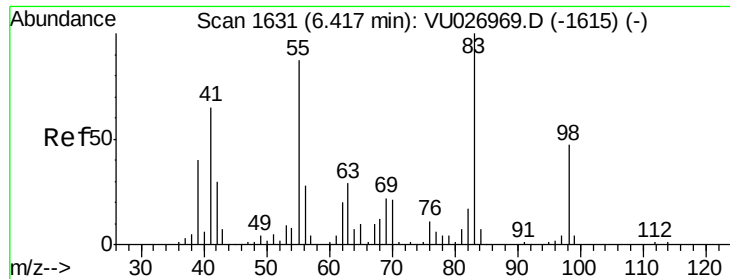
#38
Carbon Tetrachloride
Concen: 51.535 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.8	116.8
121	30.7	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)





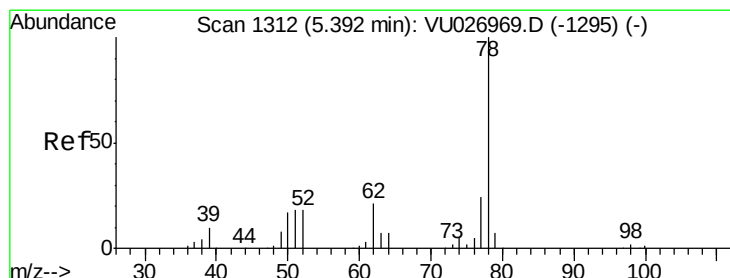
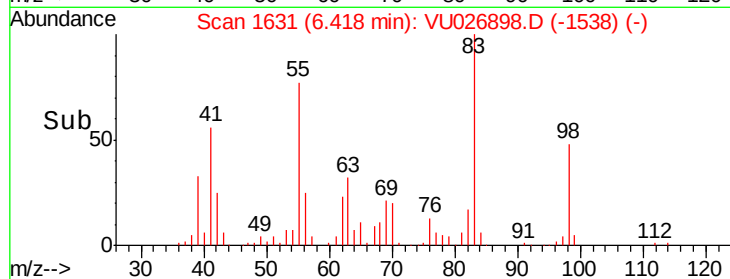
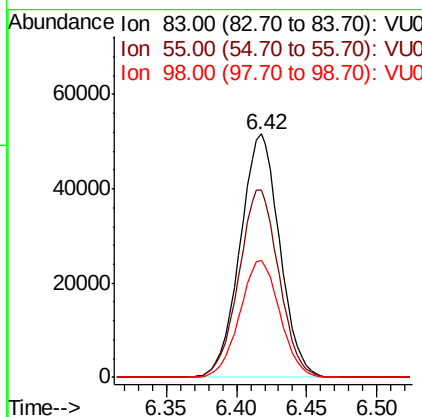
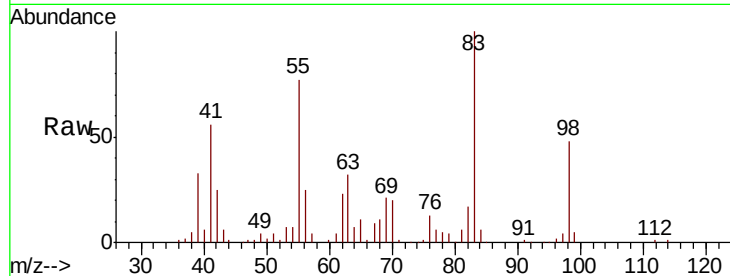
#39
Methylvlcyclohexane
Concen: 54.140 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	101301
Ion Ratio	100	Lower	Upper
83	100		
55	76.9	63.8	95.6
98	47.8	37.2	55.8

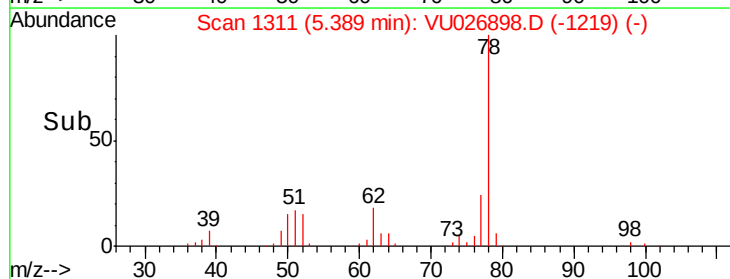
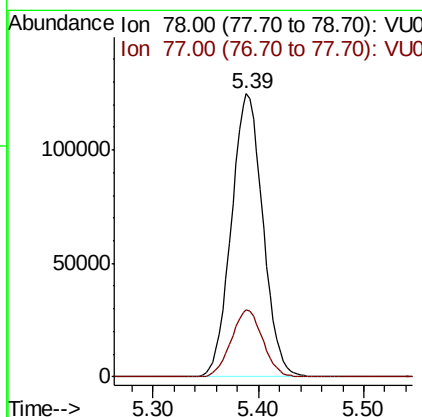
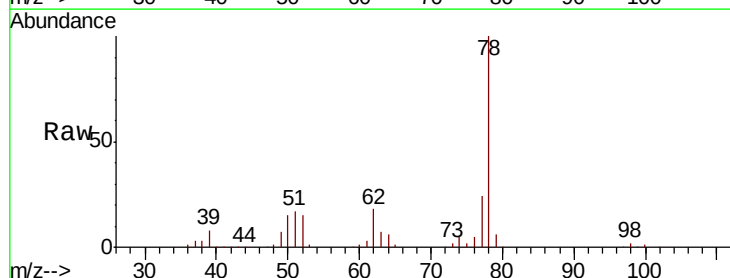
Manual Integrations
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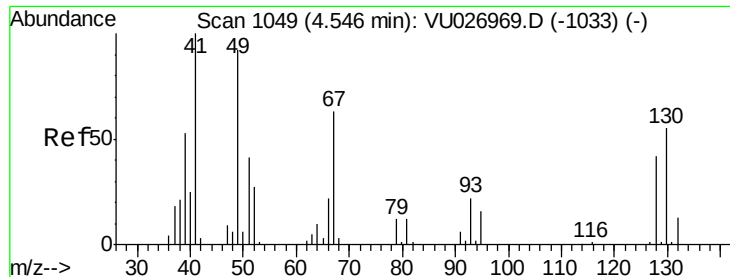
MMDadoda
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#40
Benzene
Concen: 52.861 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	78.00	Resp	258701
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.5	29.3





#41

Methacrylonitrile

Concen: 48.970 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 52279

Ion Ratio Lower Upper

41 100

39 52.4 42.9 64.3

67 71.3 56.6 84.8

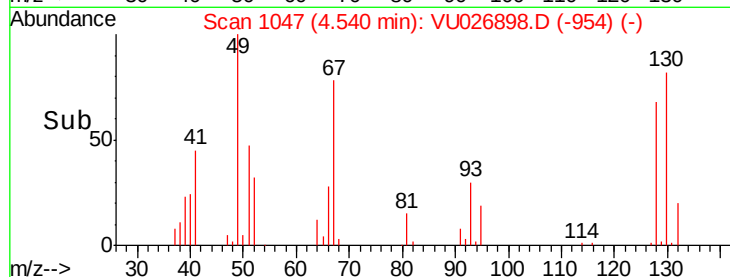
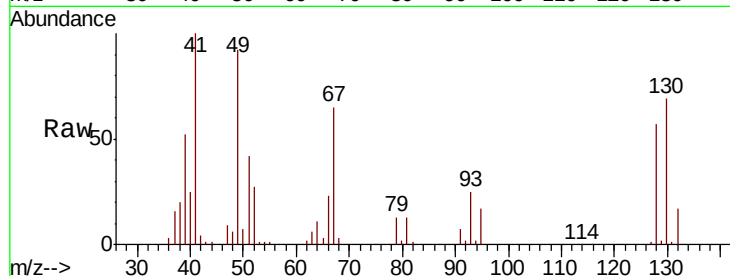
52 28.7 23.2 34.8

Manual Integrations

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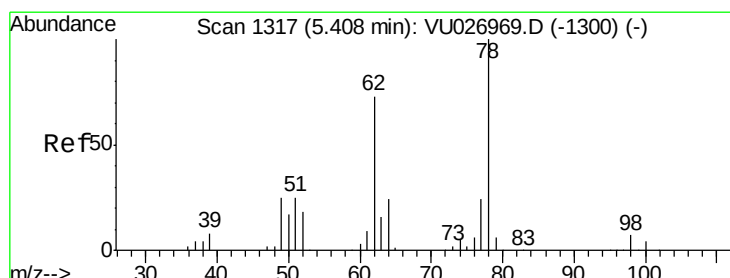
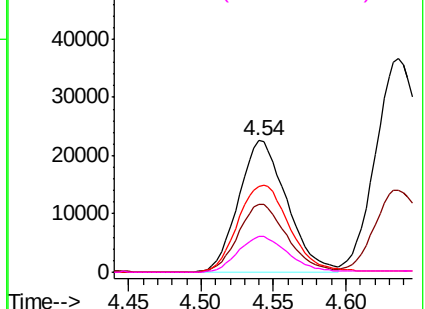


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 50.658 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU026898.D

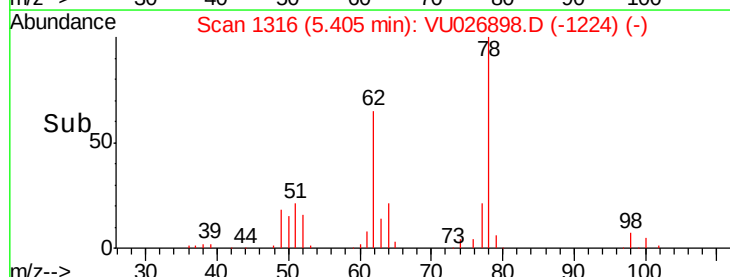
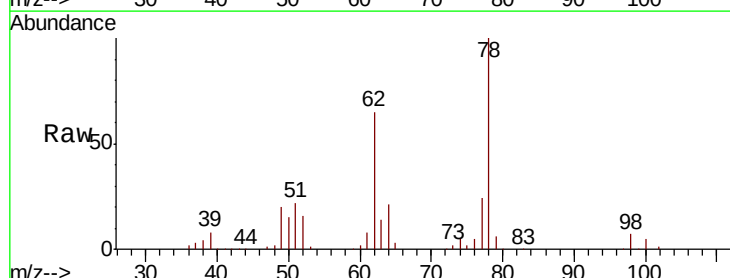
Acq: 19 Sep 2018 15:34

Tgt Ion: 62 Resp: 88404

Ion Ratio Lower Upper

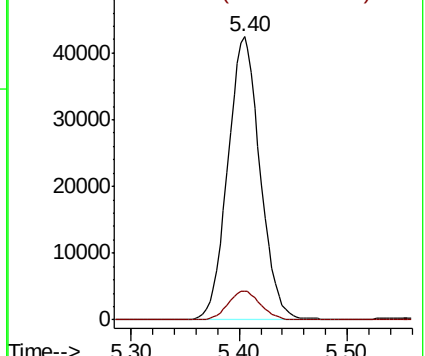
62 100

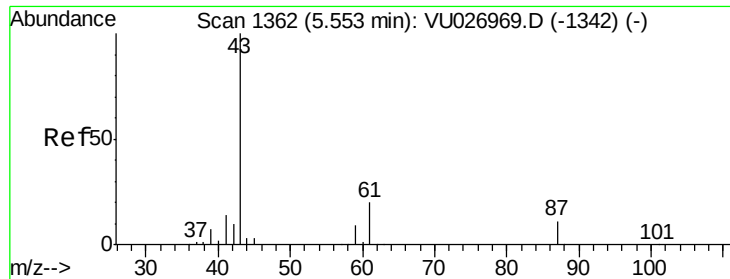
98 10.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





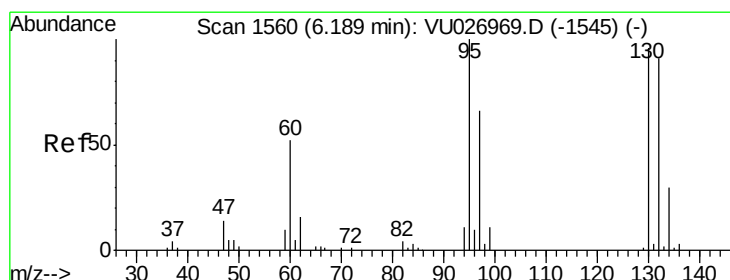
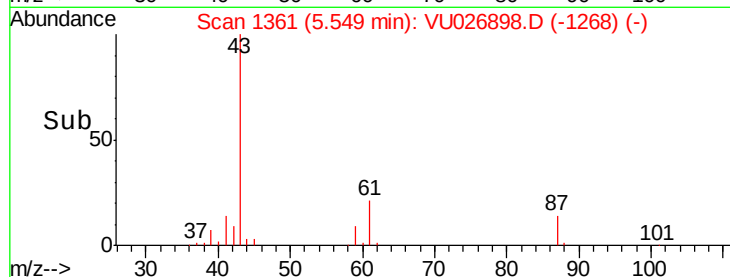
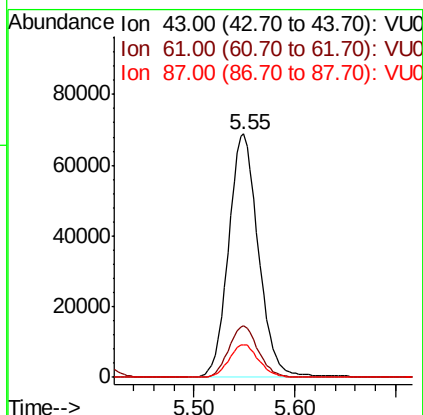
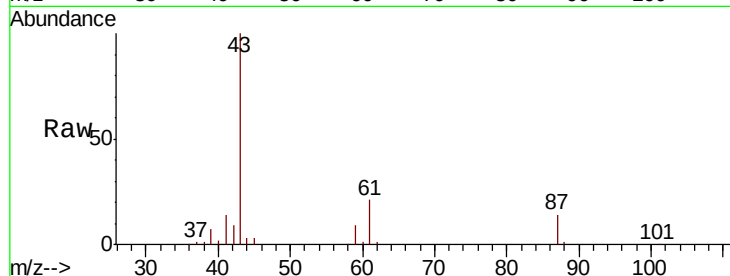
#43
Isopropyl Acetate
Concen: 49.137 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.0	24.0
87	13.3	10.1	15.1

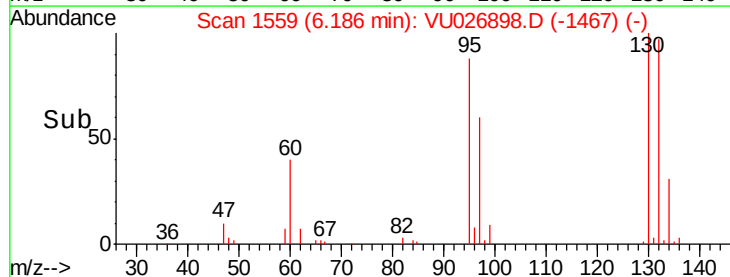
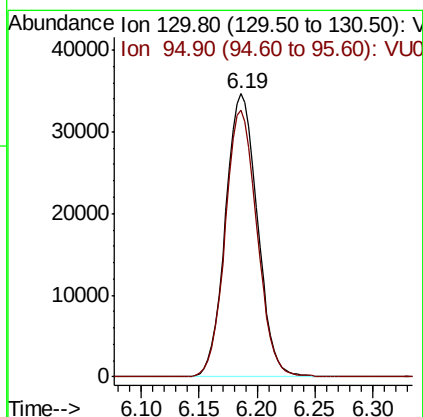
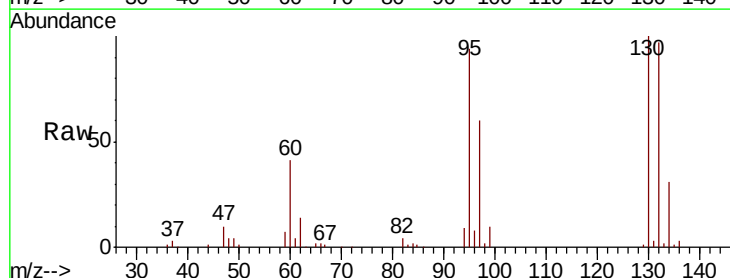
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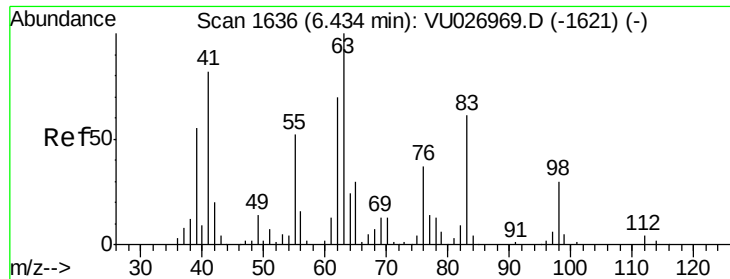
MMDadoda
9/21/2018 4:12:22 PM



#44
Trichloroethene
Concen: 54.760 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	199.4





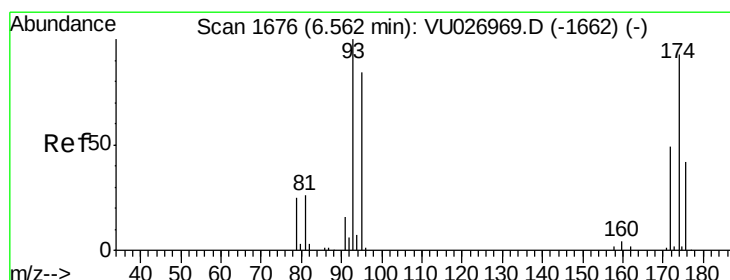
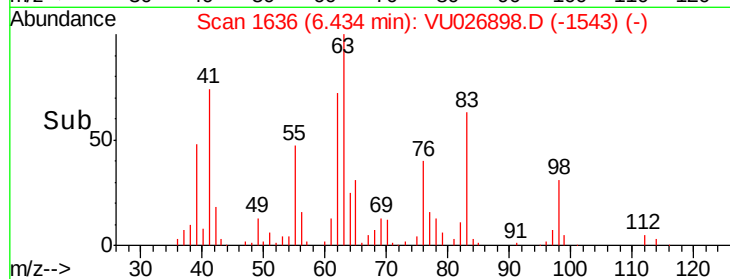
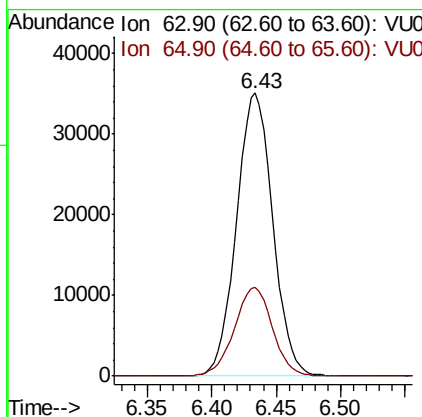
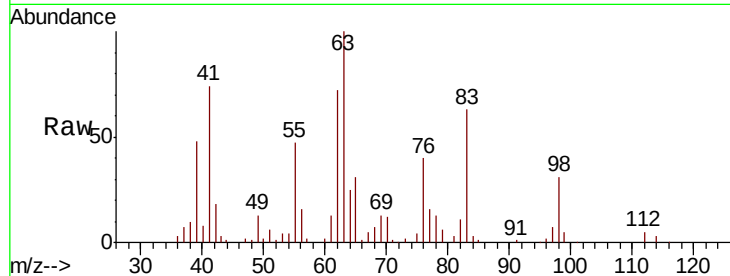
#45
 1,2-Dichloropropane
 Concen: 51.735 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 68829
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

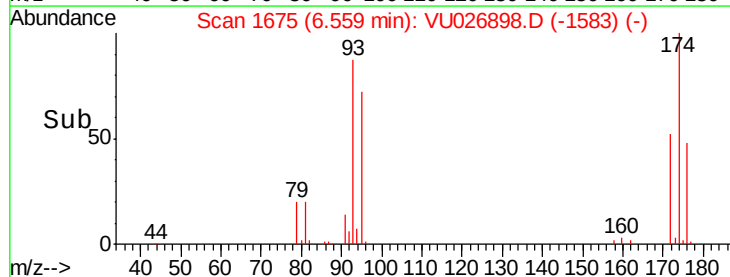
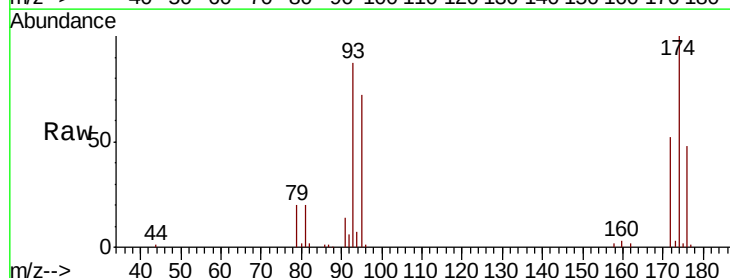
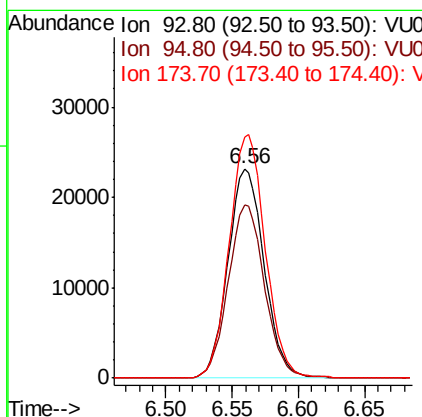
Manual Integrations
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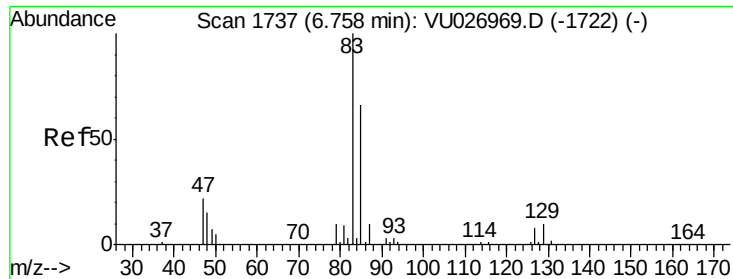
MMDadoda
 9/21/2018 4:12:22 PM



#46
 Dibromomethane
 Concen: 51.325 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion: 93 Resp: 44064
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.4 98.2
 174 115.2 81.6 122.4





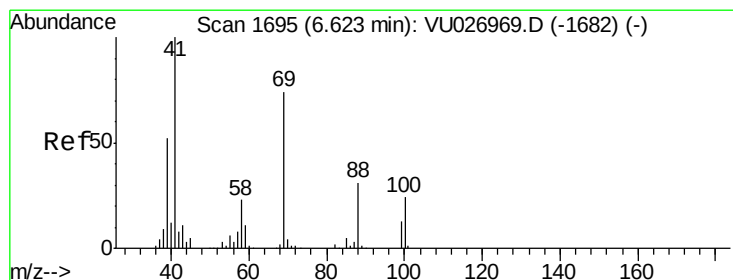
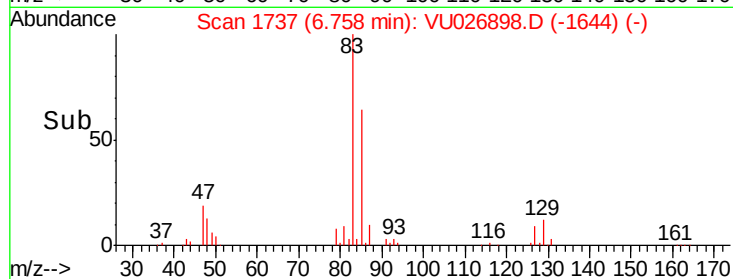
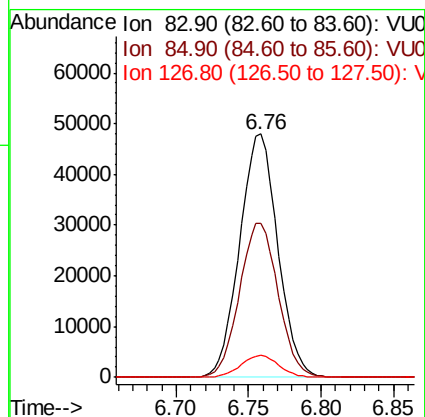
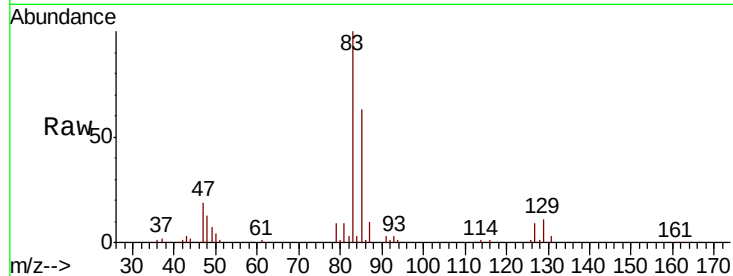
#47
 Bromodichloromethane
 Concen: 51.946 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	87818
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	9.0	6.9	10.3

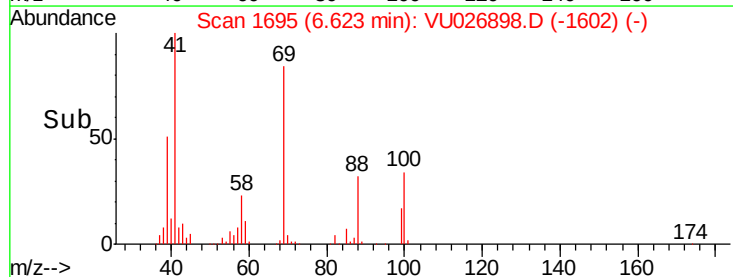
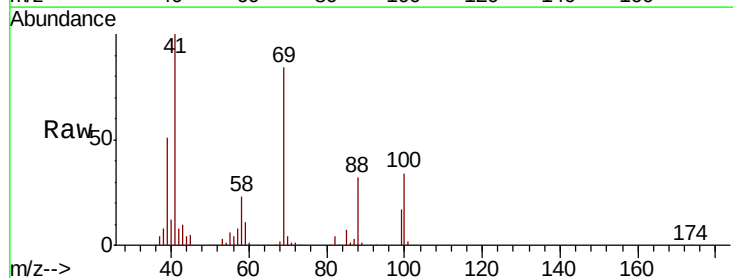
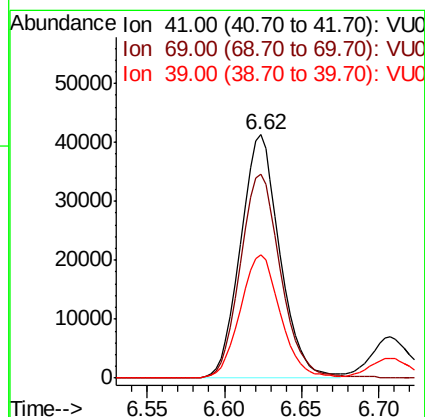
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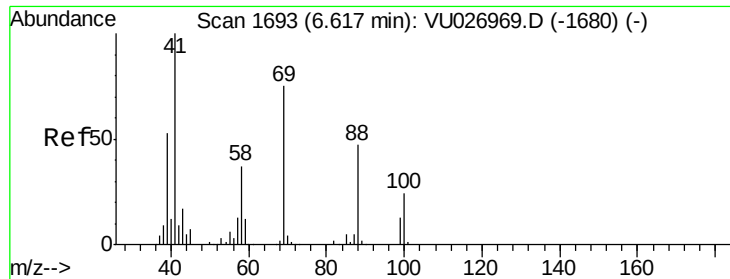
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#48
 Methyl methacrylate
 Concen: 46.361 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	41	Resp	72979
Ion Ratio	100	Lower	Upper
41	100		
69	86.4	66.6	99.8
39	51.7	43.6	65.4





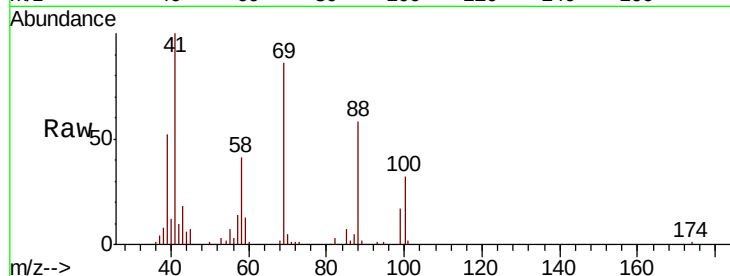
#49
1,4-Dioxane
Concen: 909.715 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.5	38.3
58	71.6	58.2	87.4

Manual Integrations
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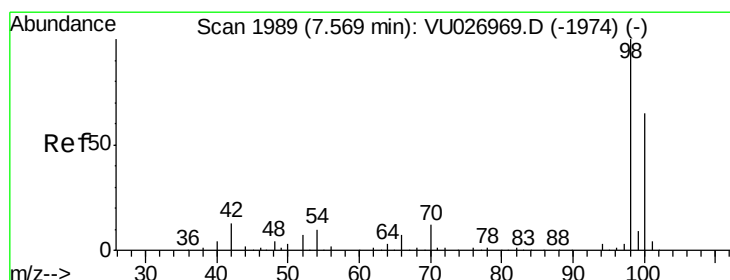
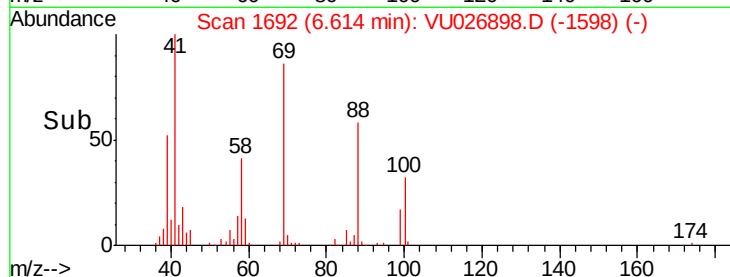
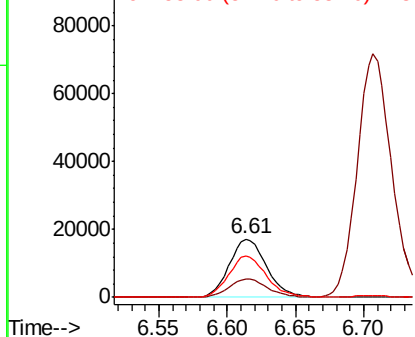


Abundance

Ion 88.00 (87.70 to 88.70): VU026969.D (-1680) (-)

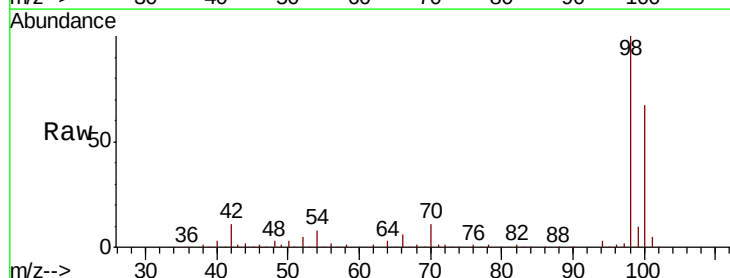
Ion 43.00 (42.70 to 43.70): VU026969.D (-1680) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1680) (-)



#50
Toluene-d8
Concen: 50.504 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

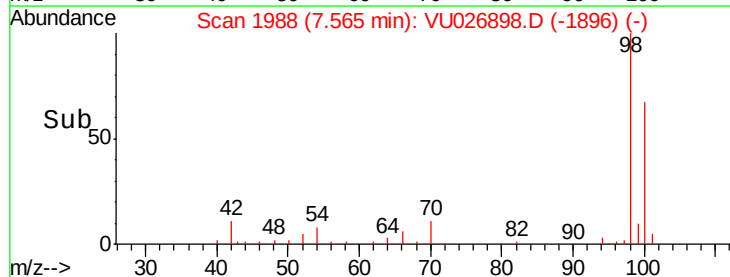
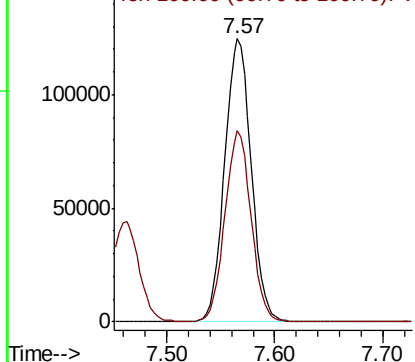
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	51.2	76.8

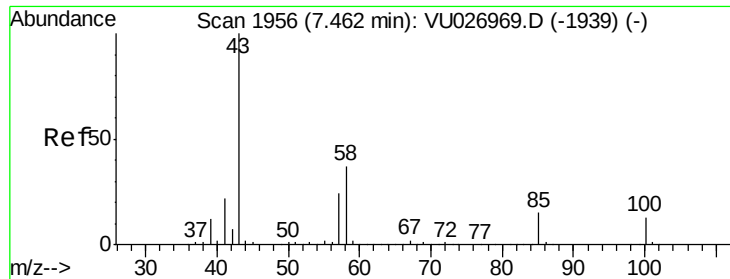


Abundance

Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)





#51

4-Methyl-2-Pentanone

Concen: 243.850 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 470651

Ion Ratio Lower Upper

43 100

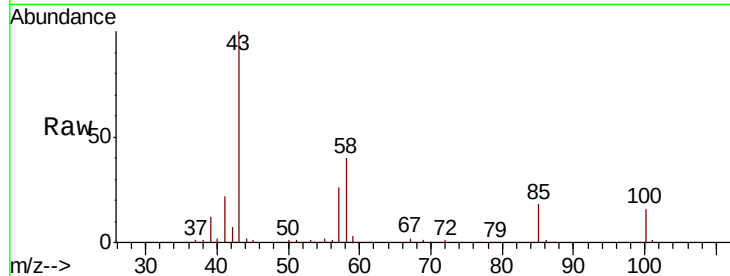
58 40.1 31.1 46.7

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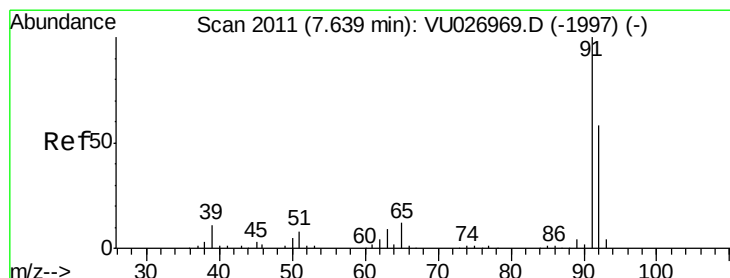
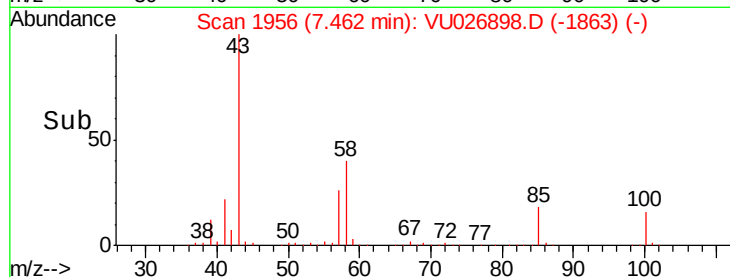
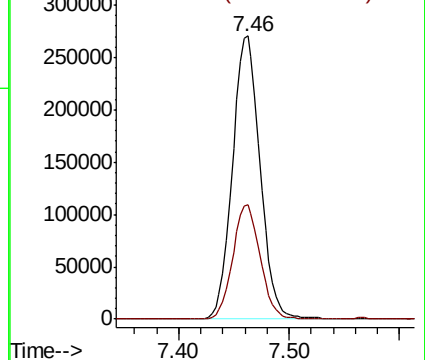
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 55.403 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026898.D

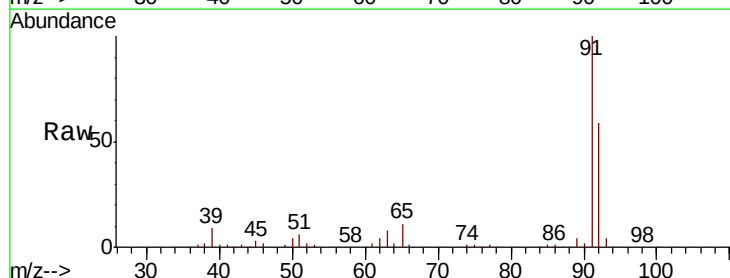
Acq: 19 Sep 2018 15:34

Tgt Ion: 92 Resp: 161510

Ion Ratio Lower Upper

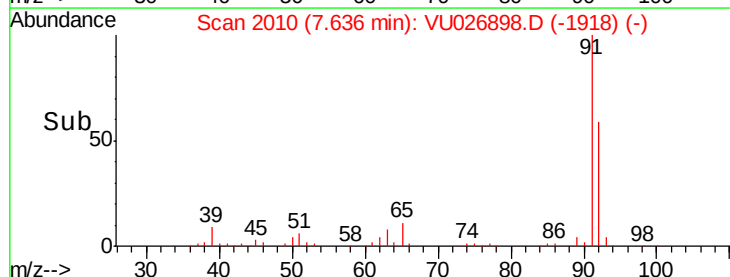
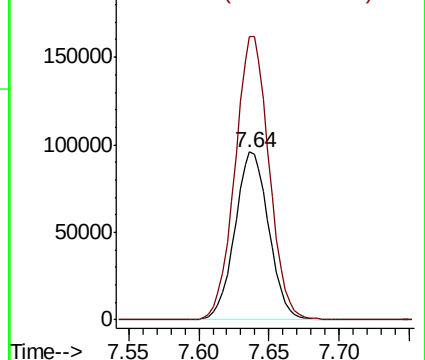
92 100

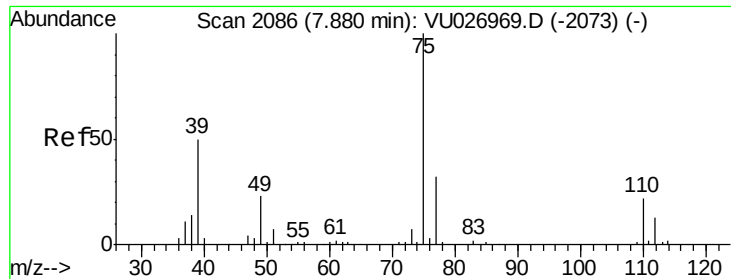
91 169.1 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





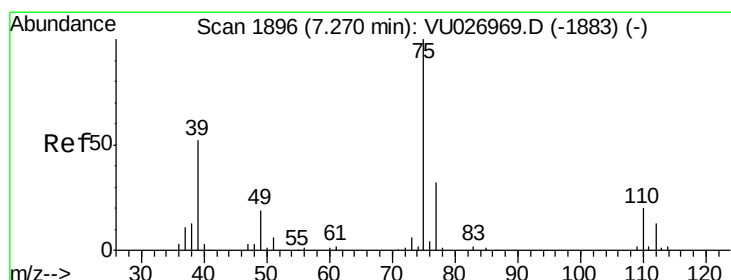
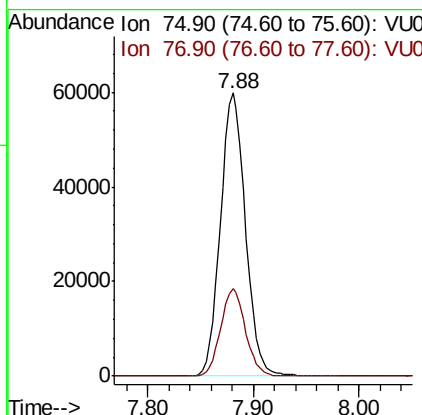
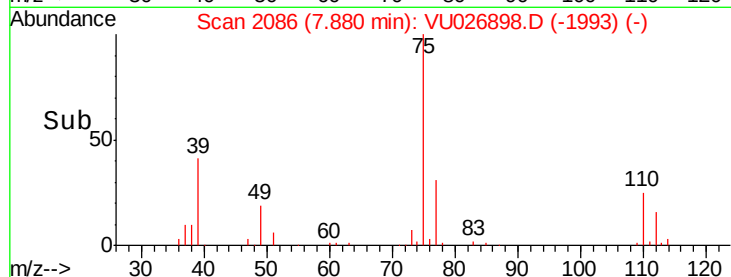
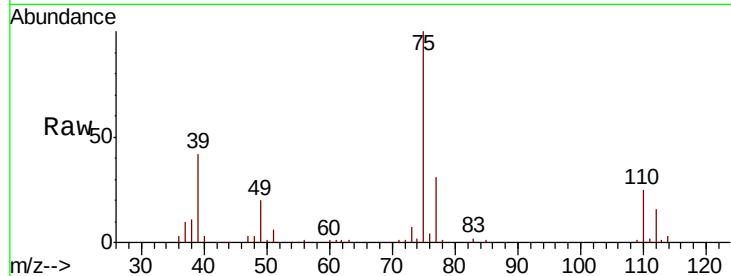
#53
t-1,3-Dichloropropene
Concen: 52.303 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8

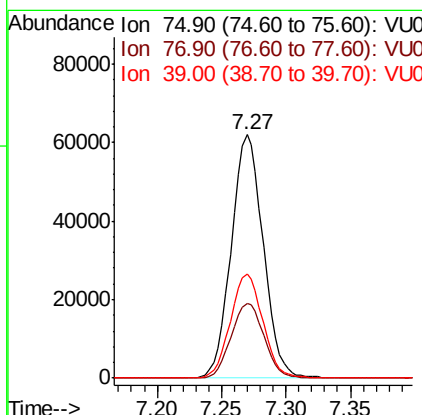
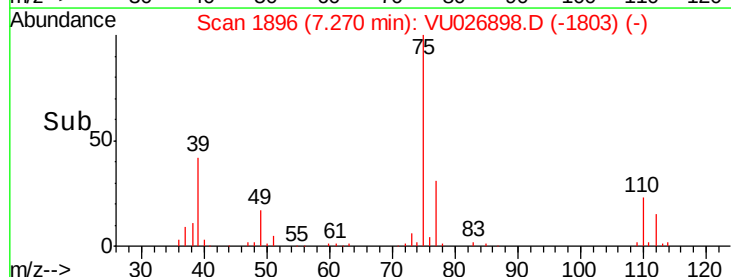
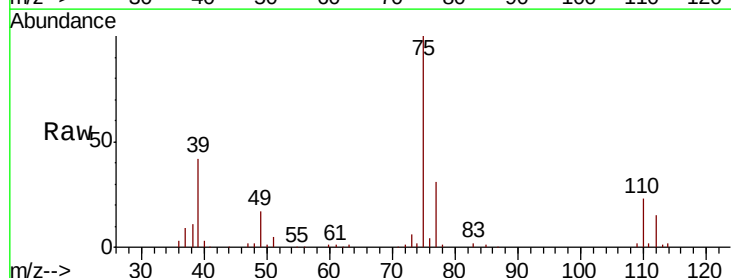
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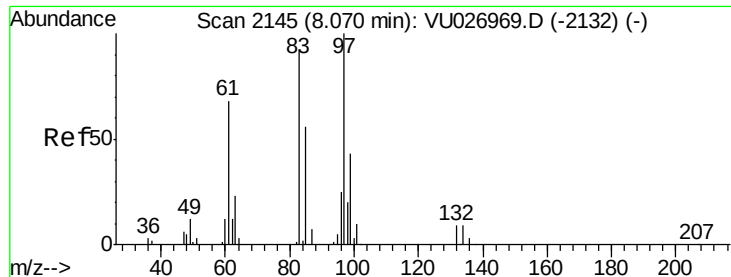
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.992 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	42.5	37.0	55.6





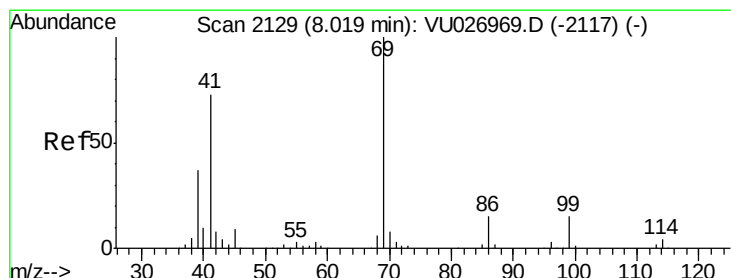
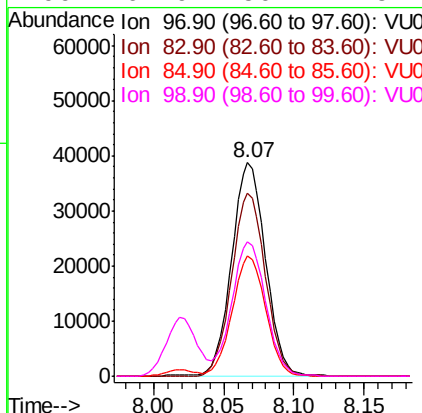
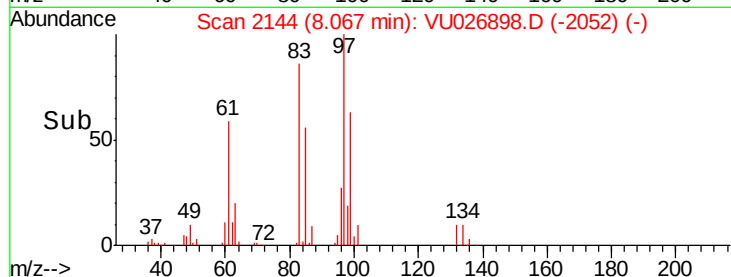
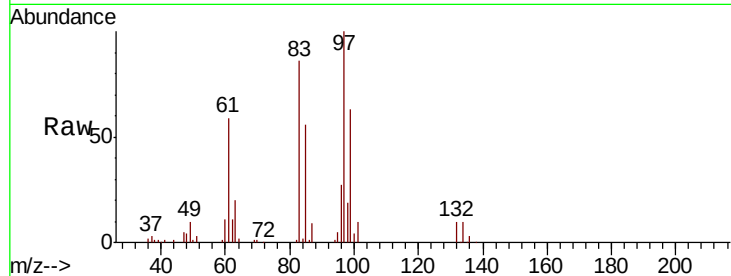
#55
 1,1,2-Trichloroethane
 Concen: 52.289 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	65310
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.3	103.9
85	56.1	45.9	68.9
99	62.9	50.1	75.1

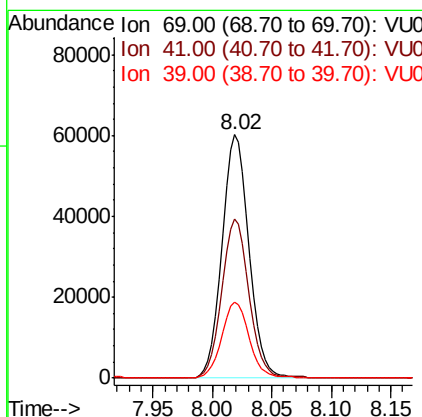
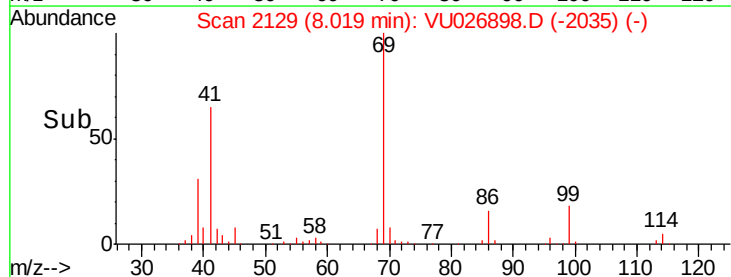
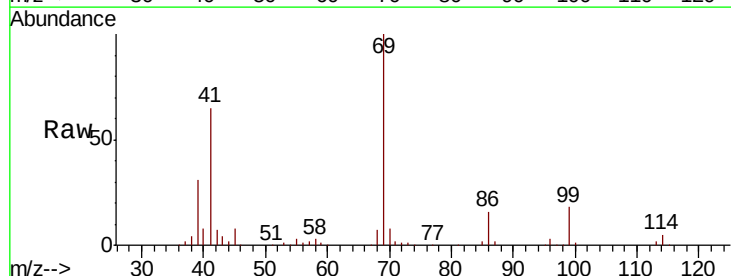
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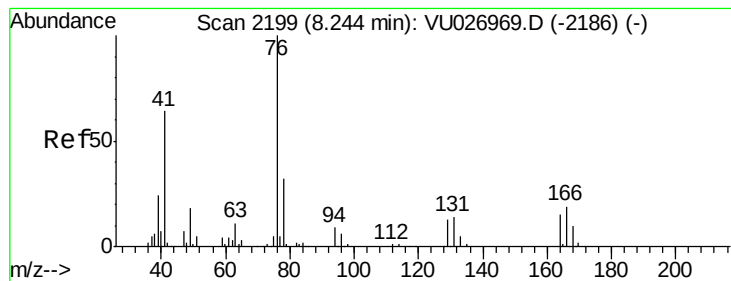
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#56
 Ethyl methacrylate
 Concen: 45.310 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion:	69	Resp:	94740
Ion	Ratio	Lower	Upper
69	100		
41	65.9	54.2	81.2
39	32.0	28.4	42.6





#57

1,3-Dichloropropane

Concen: 53.038 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 112911

Ion Ratio Lower Upper

76 100

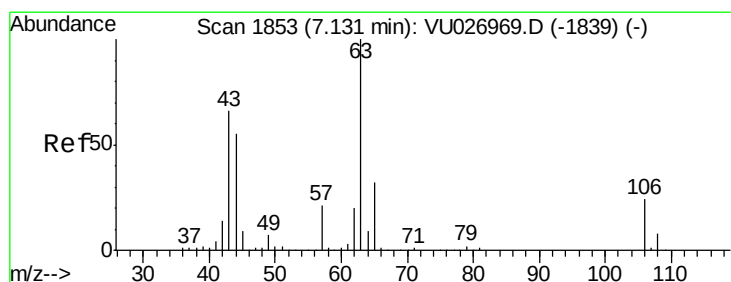
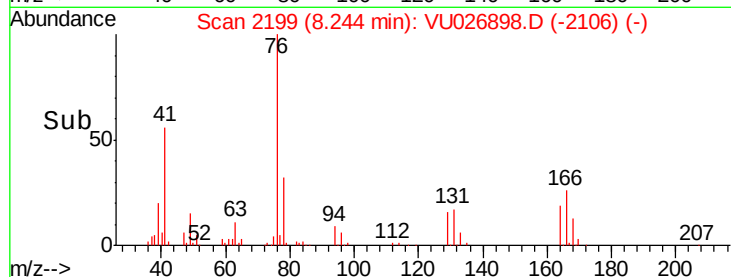
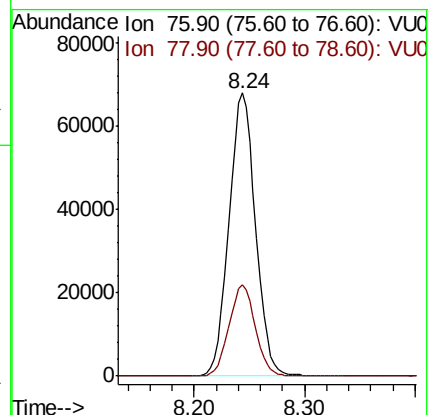
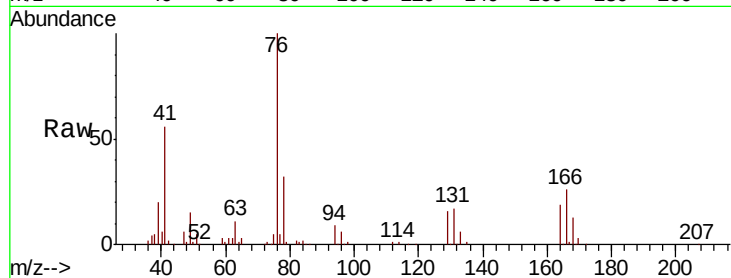
78 31.9 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 236.595 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU026898.D

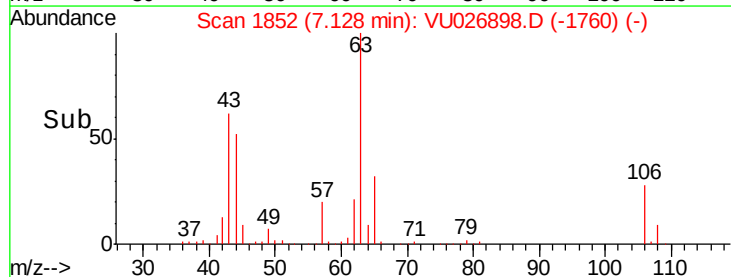
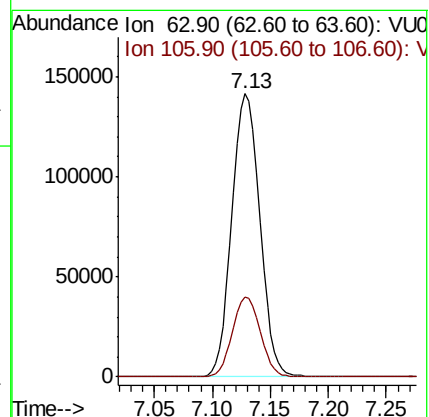
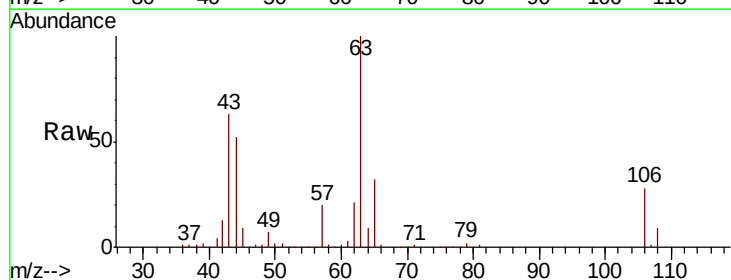
Acq: 19 Sep 2018 15:34

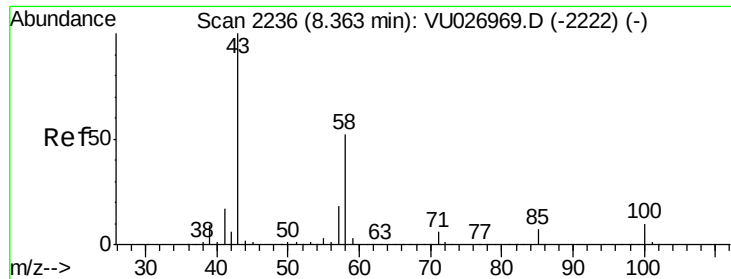
Tgt Ion: 63 Resp: 236560

Ion Ratio Lower Upper

63 100

106 28.0 20.5 30.7





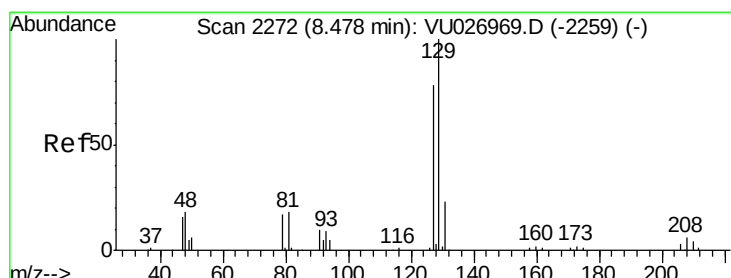
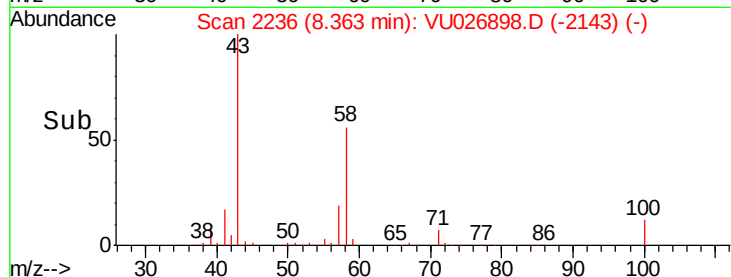
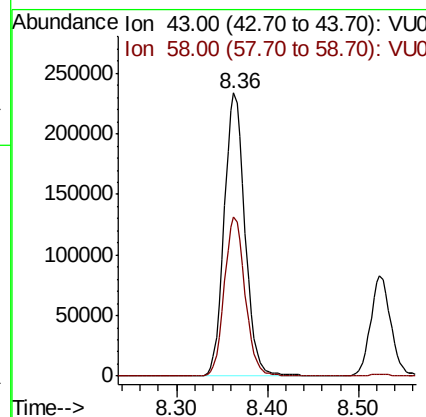
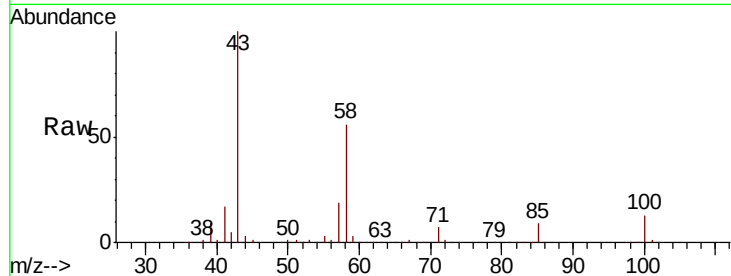
#59
2-Hexanone
Concen: 245.171 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 372408
Ion Ratio Lower Upper
43 100
58 56.2 26.9 80.7

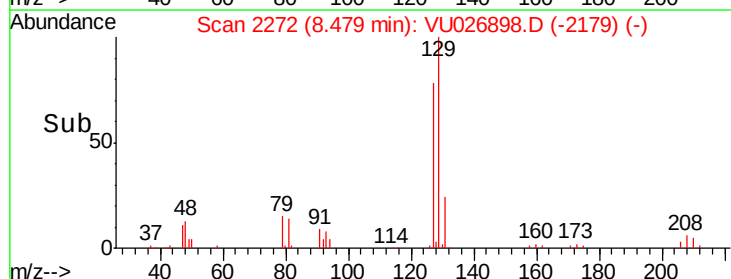
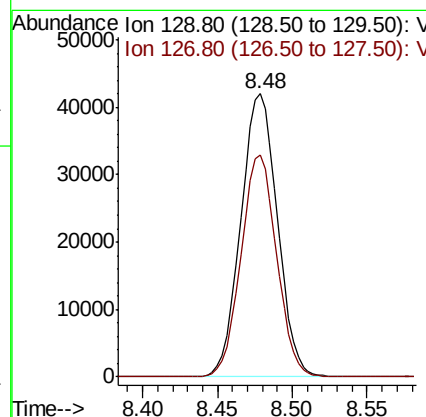
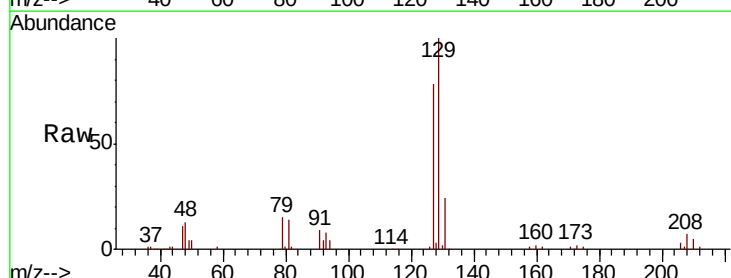
Manual Integrations
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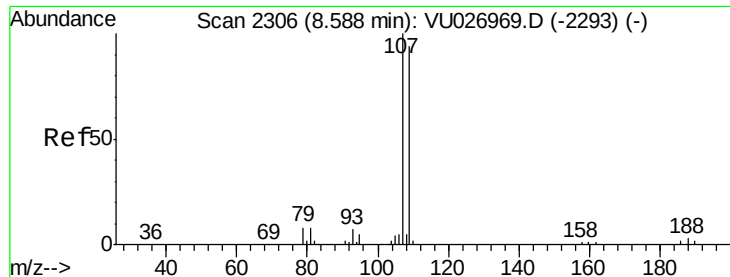
MMDadoda
9/21/2018 4:12:22 PM



#60
Dibromochloromethane
Concen: 52.878 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion: 129 Resp: 71529
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9





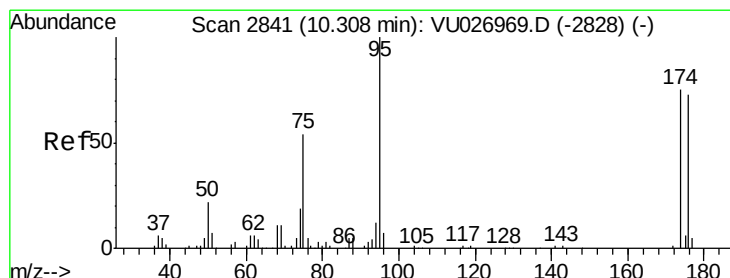
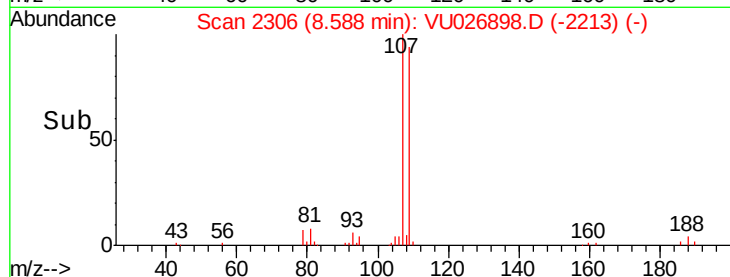
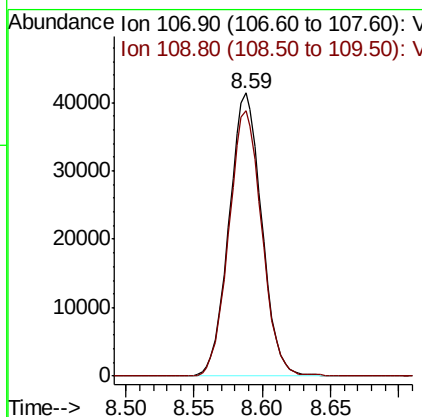
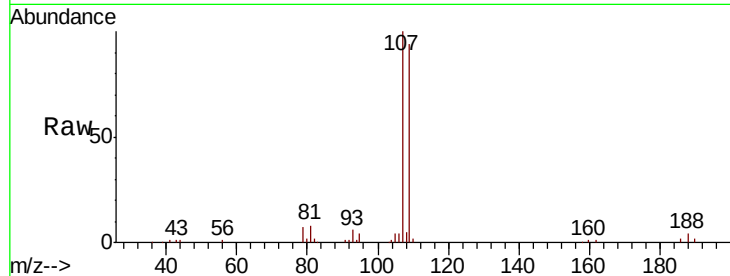
#61
 1,2-Dibromoethane
 Concen: 50.673 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 68673
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5

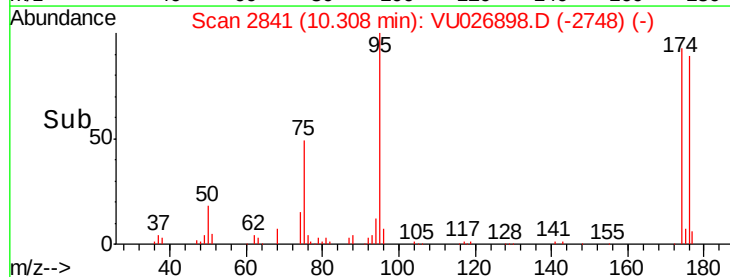
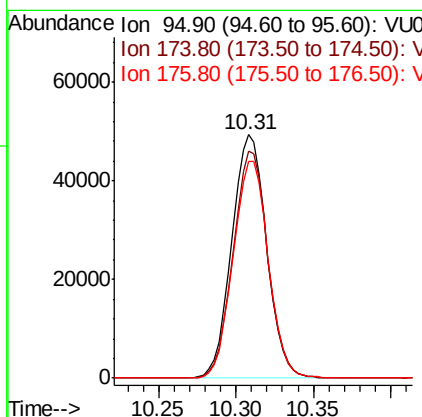
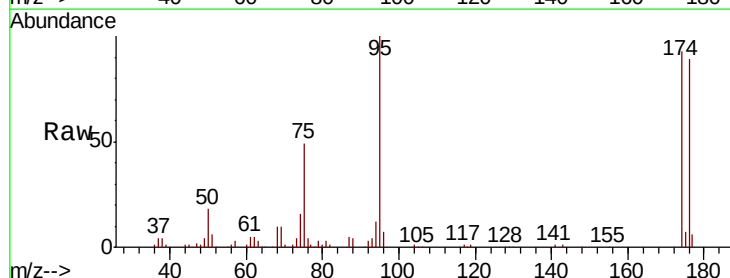
Manual Integrations
 APPROVED

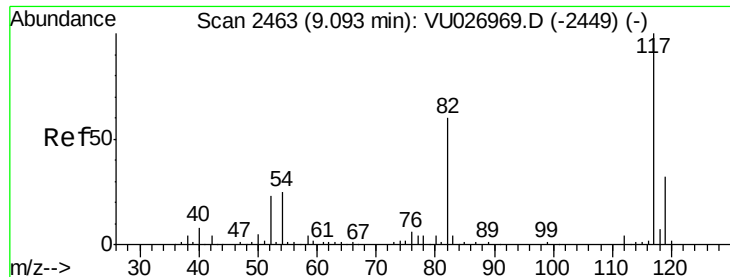
MMDadoda
 9/21/2018 4:12:22 PM



#62
 4-Bromofluorobenzene
 Concen: 50.082 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion: 95 Resp: 76862
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 172.8
 176 90.2 0.0 168.6





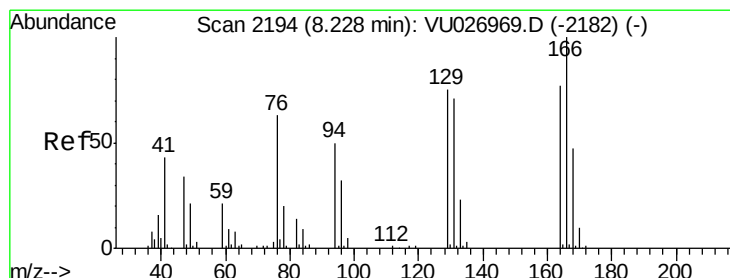
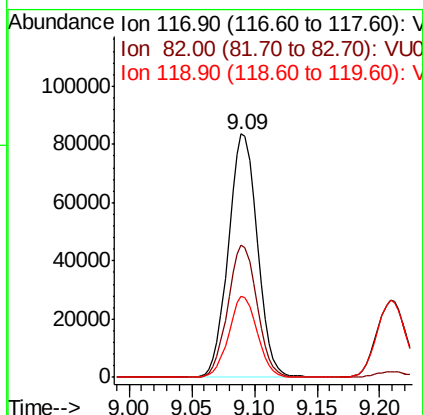
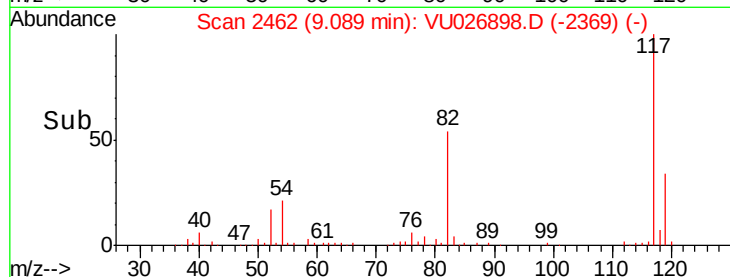
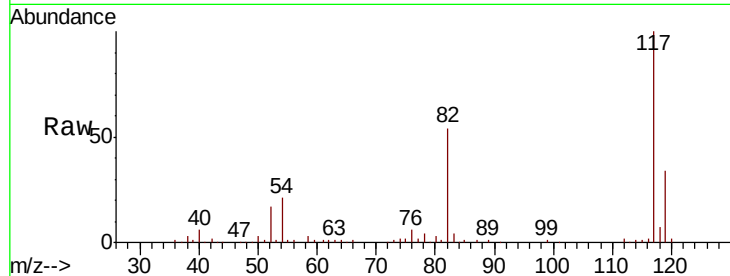
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	134084		
82	54.4	44.1	66.1	
119	33.5	25.7	38.5	

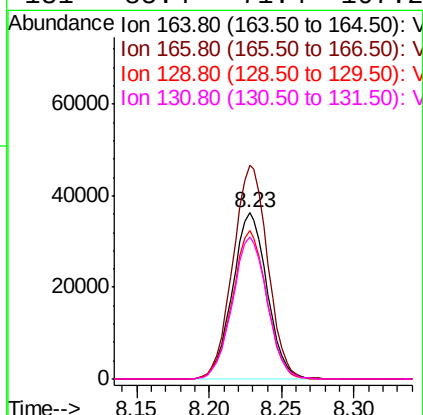
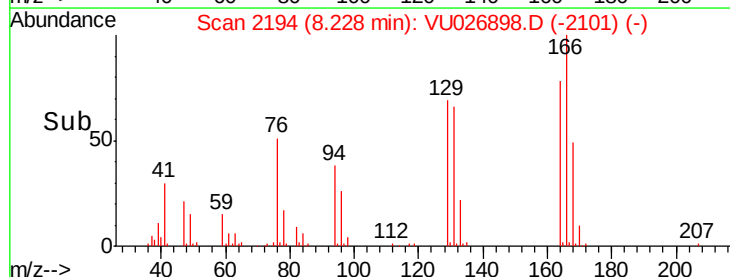
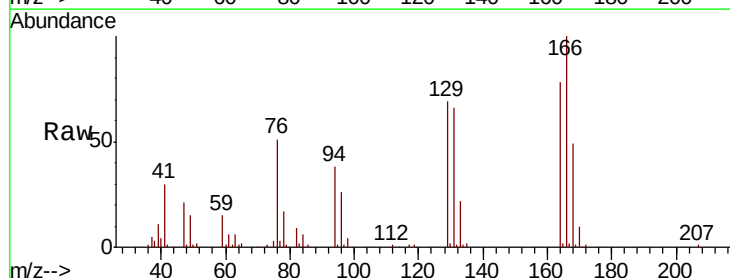
Manual Integrations
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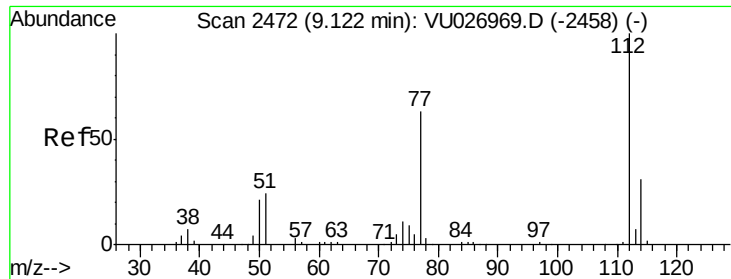
MMDadoda
9/21/2018 4:12:22 PM



#64
Tetrachloroethene
Concen: 56.127 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59898		
166	128.7	100.5	150.7	
129	89.2	75.3	112.9	
131	85.4	71.4	107.2	





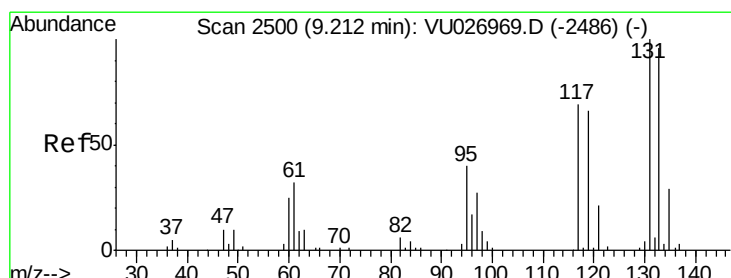
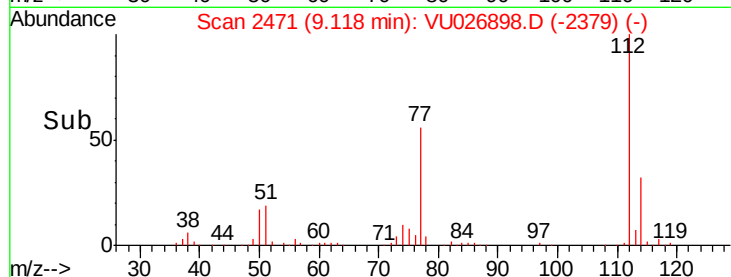
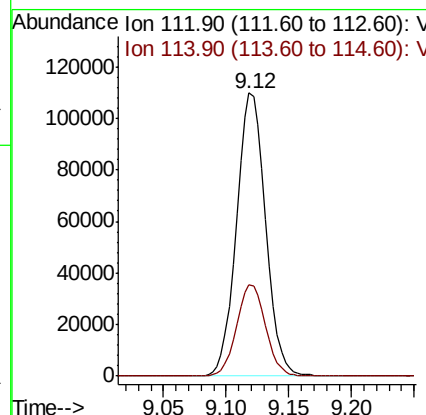
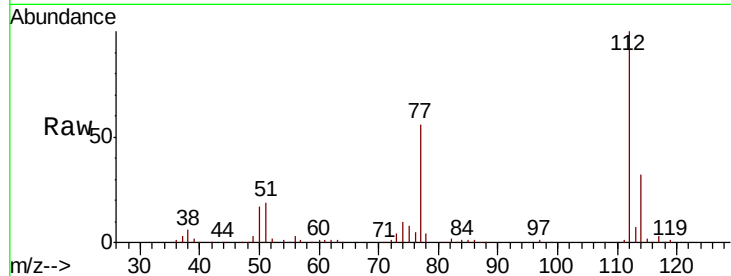
#65
Chlorobenzene
Concen: 52.998 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 176550
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

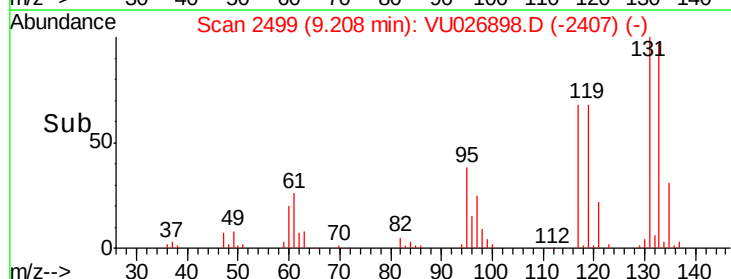
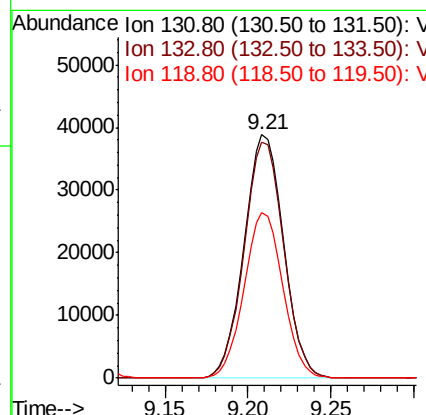
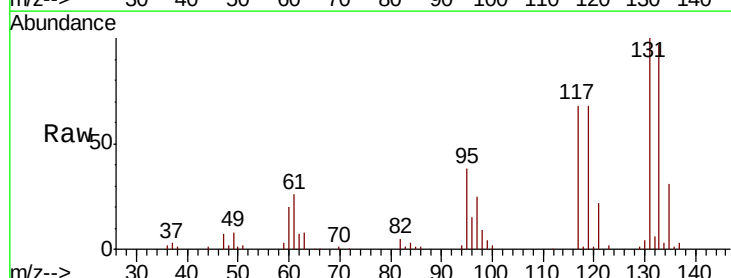
Manual Integrations
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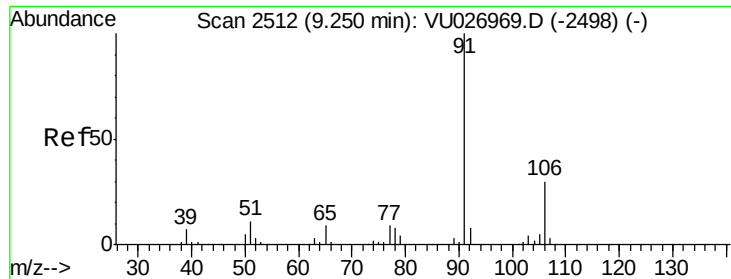
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.652 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion:131 Resp: 64535
Ion Ratio Lower Upper
131 100
133 97.1 48.9 146.6
119 66.7 32.7 98.1





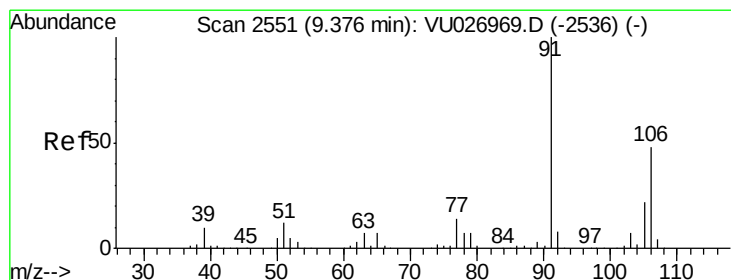
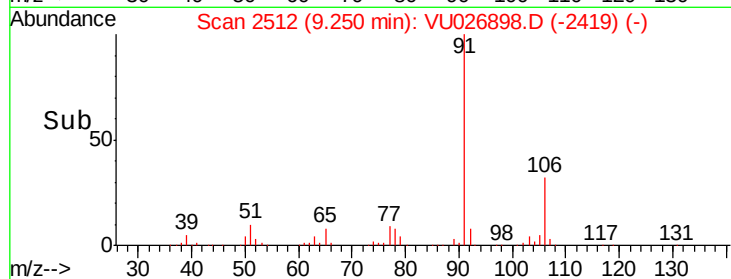
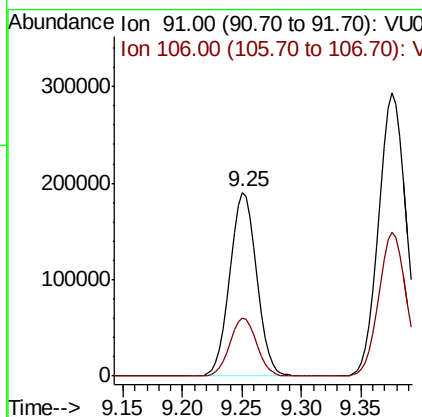
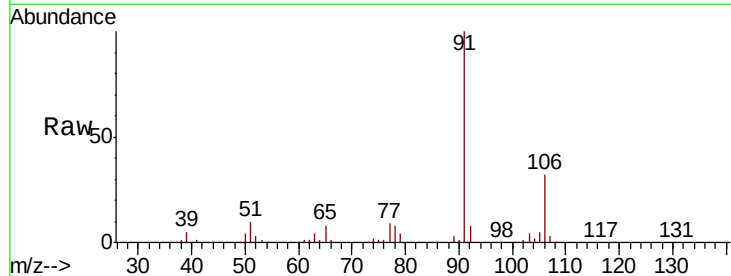
#67
Ethyl Benzene
Concen: 54.409 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 298573
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

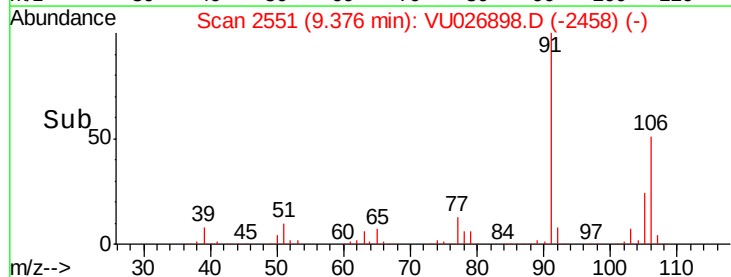
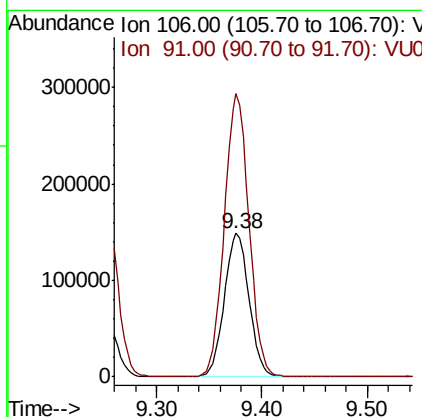
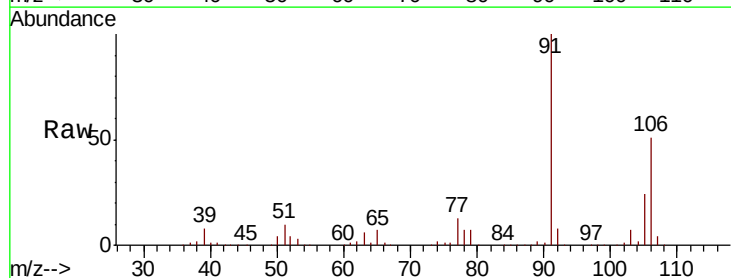
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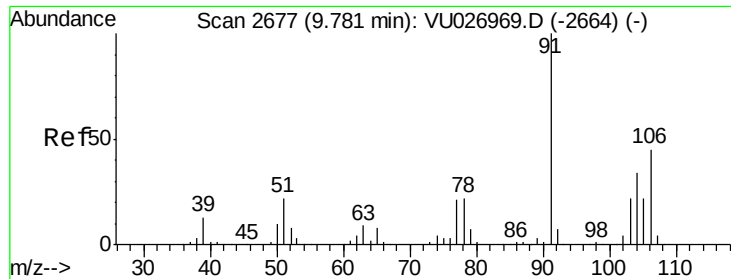
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9/21/2018 4:12:22 PM



#68
m/p-Xylenes
Concen: 114.946 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion: 106 Resp: 239947
Ion Ratio Lower Upper
106 100
91 197.1 162.1 243.1





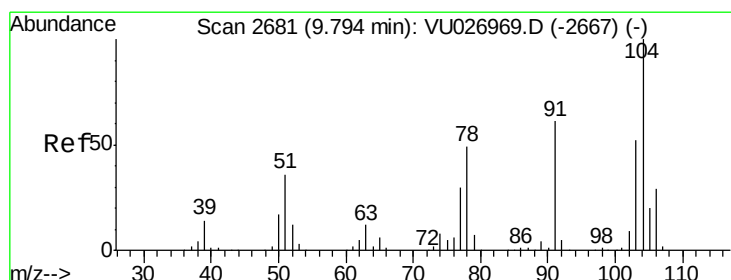
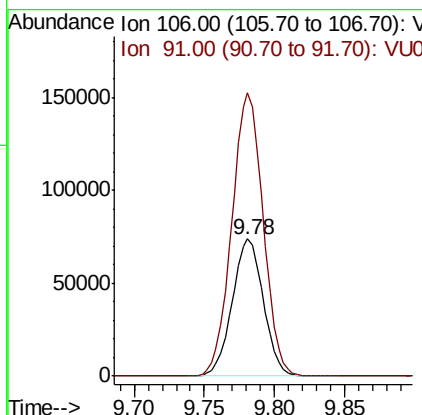
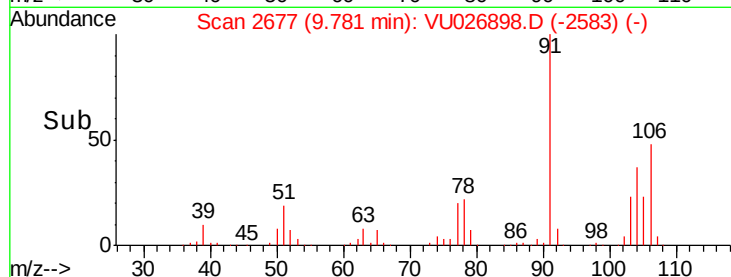
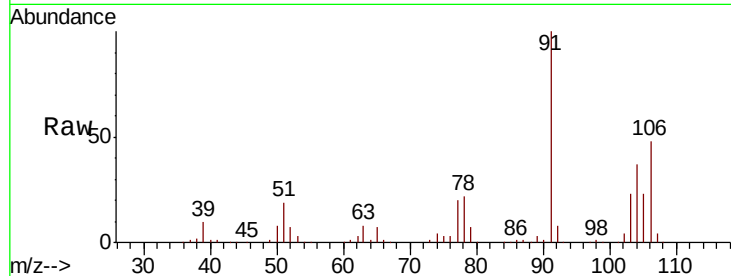
#69
o-Xylene
Concen: 51.091 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 114010
Ion Ratio Lower Upper
106 100
91 208.5 106.9 320.8

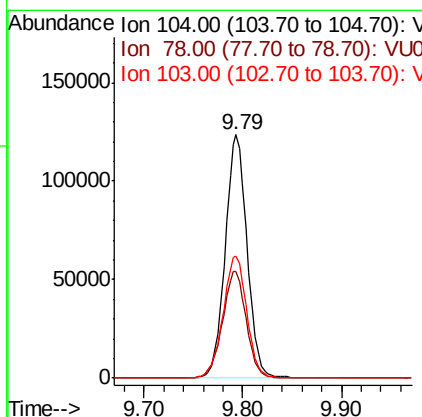
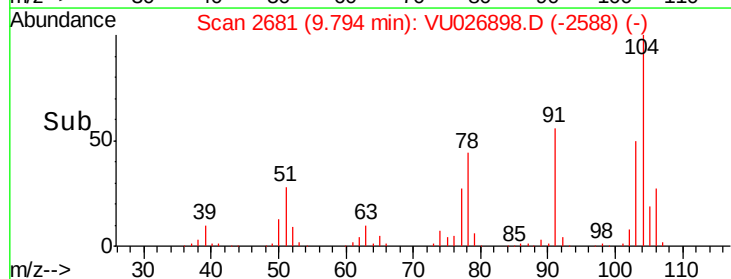
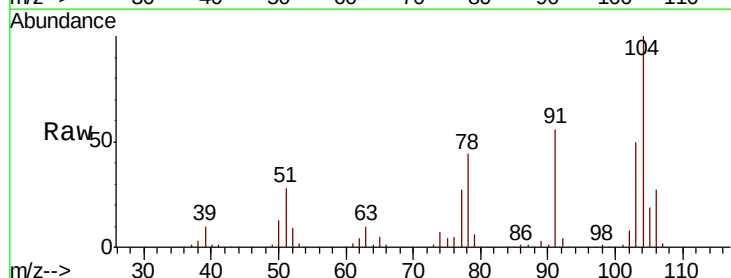
Manual Integrations
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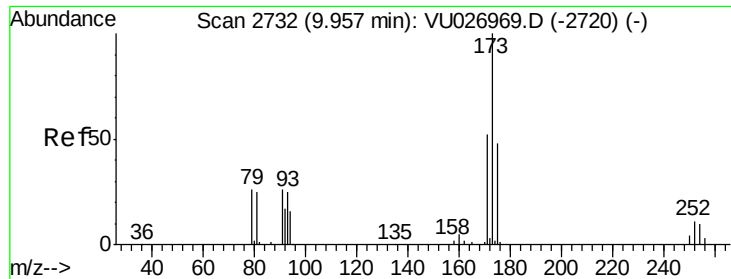
MMDadoda
9/21/2018 4:12:22 PM



#70
Styrene
Concen: 51.188 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion:104 Resp: 192494
Ion Ratio Lower Upper
104 100
78 47.7 39.4 59.2
103 54.3 44.5 66.7





#71

Bromoform

Concen: 52.572 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56042

Ion Ratio Lower Upper

173 100

175 48.8 24.7 74.1

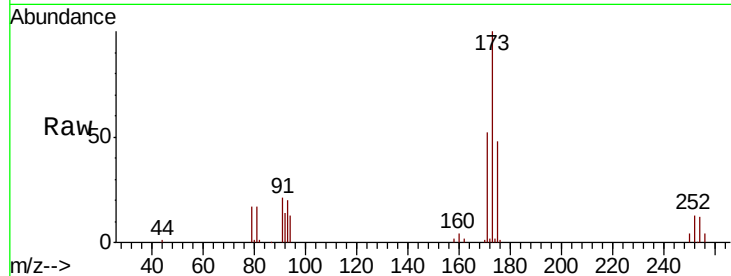
254 0.0 0.0 0.0

Manual Integrations

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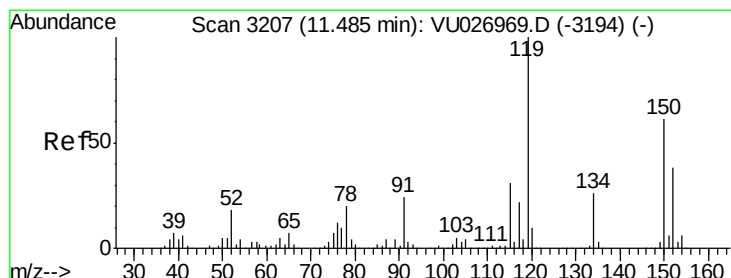
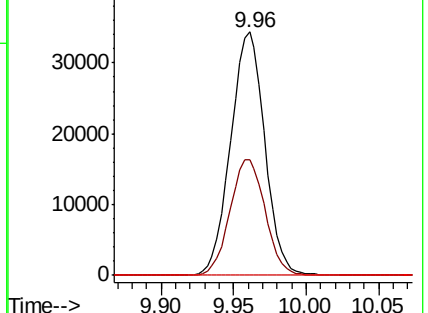
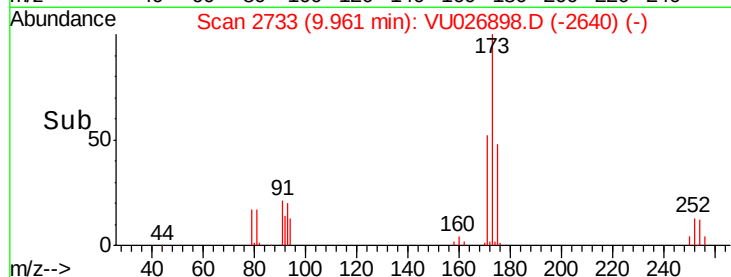
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

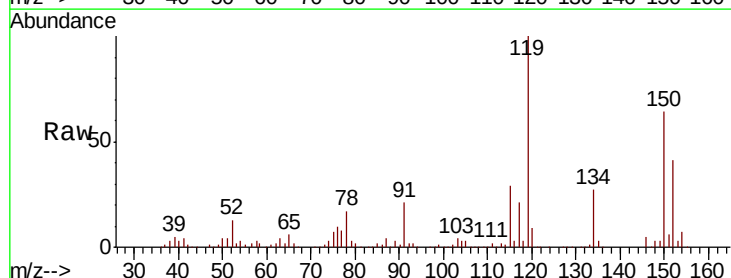
Tgt Ion:152 Resp: 86919

Ion Ratio Lower Upper

152 100

115 77.8 40.4 121.1

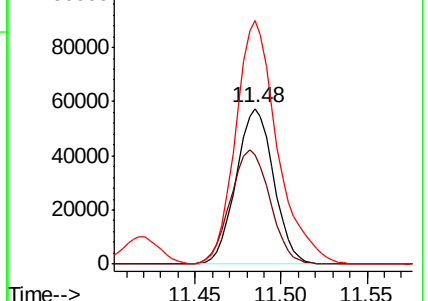
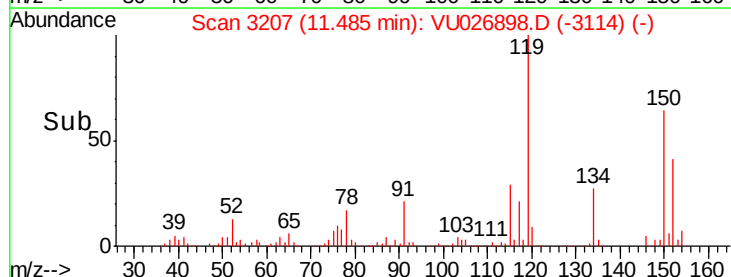
150 173.9 0.0 345.2

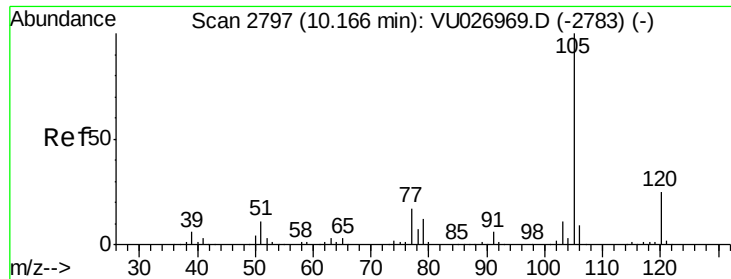


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.999 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 307991

Ion Ratio Lower Upper

105 100

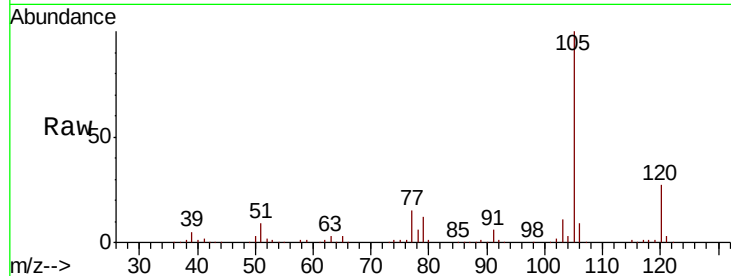
120 27.0 13.3 39.9

Manual Integrations

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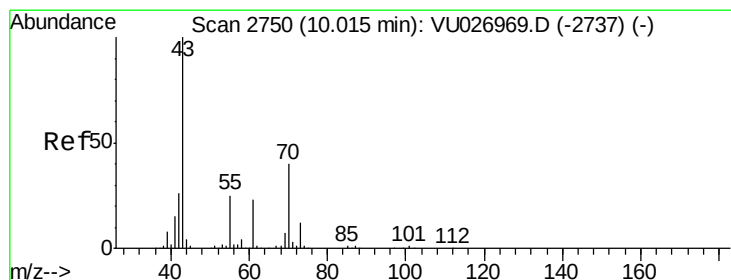
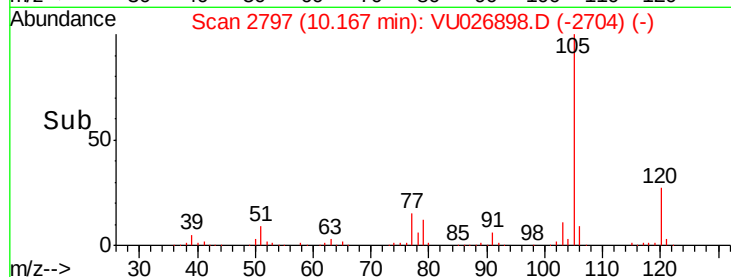
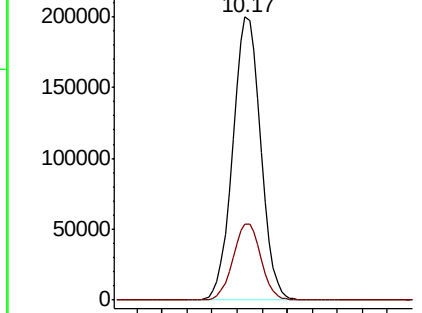
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.263 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Tgt Ion: 43 Resp: 126569

Ion Ratio Lower Upper

43 100

70 45.1 32.6 48.8

55 26.5 19.1 28.7

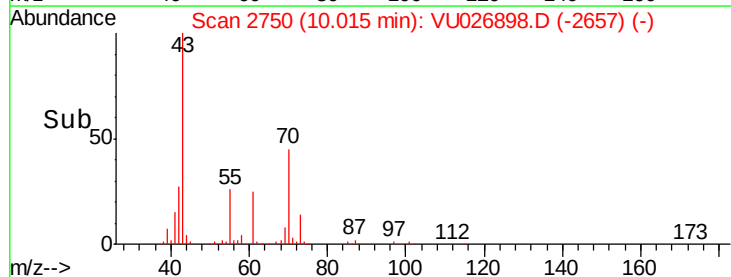
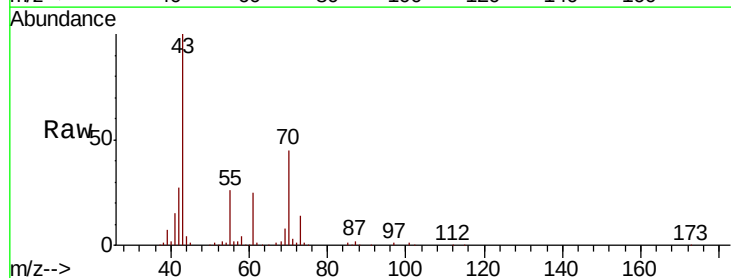
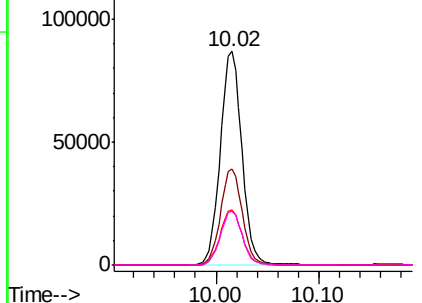
61 25.4 19.4 29.0

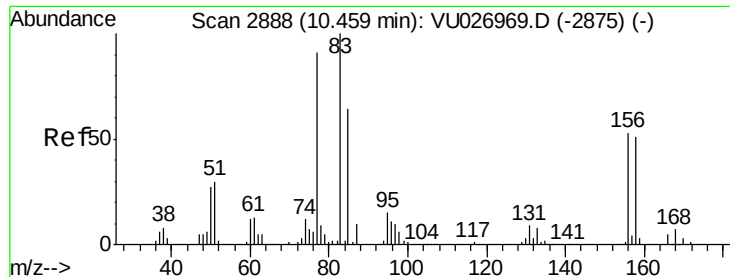
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 43.831 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

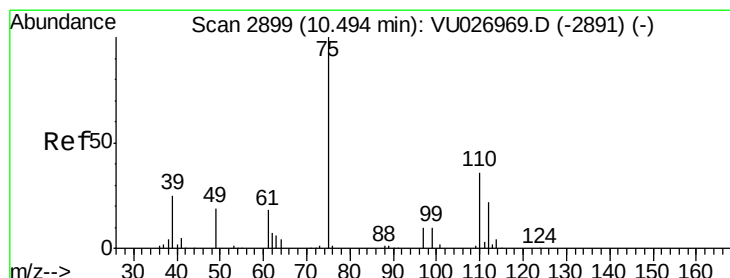
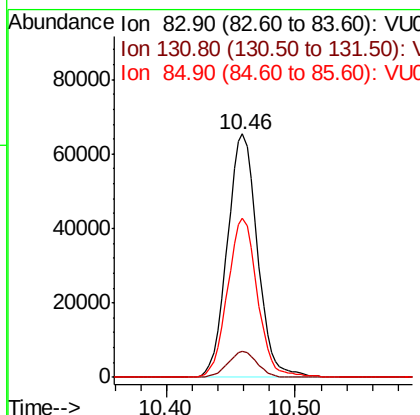
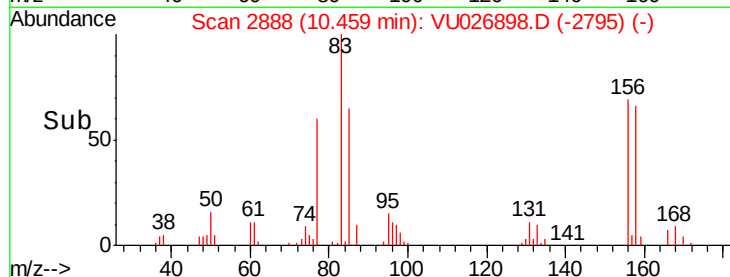
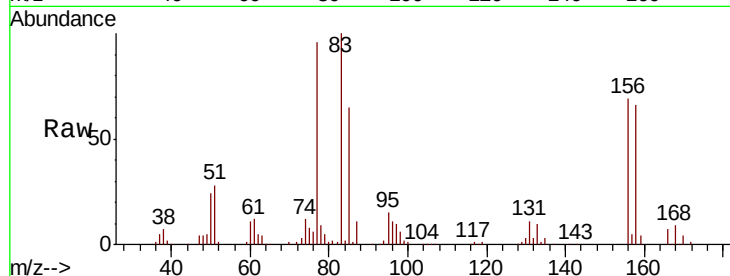
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	105803
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.6
85	65.1	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.197 ug/l m

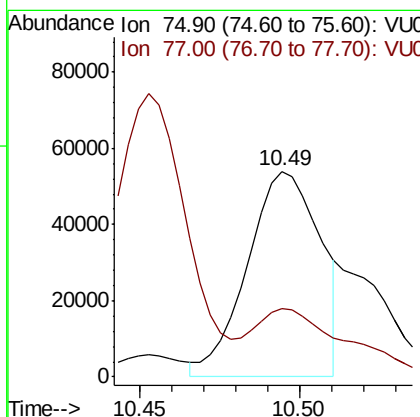
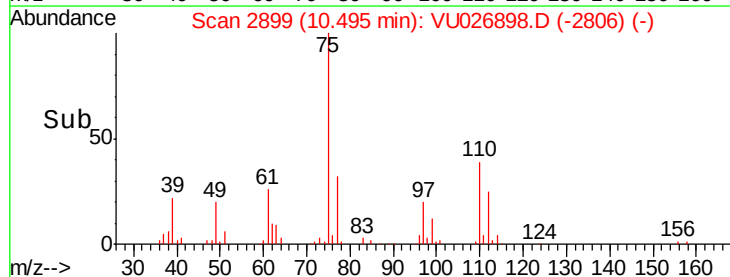
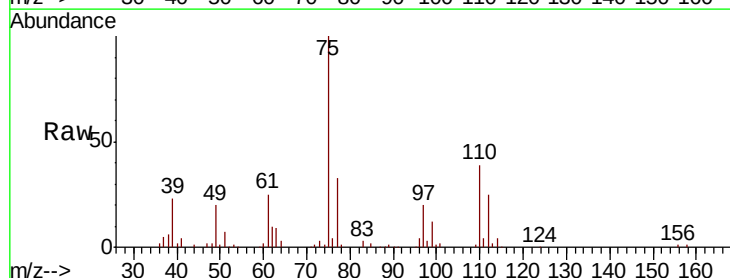
RT: 10.49 min Scan# 2899

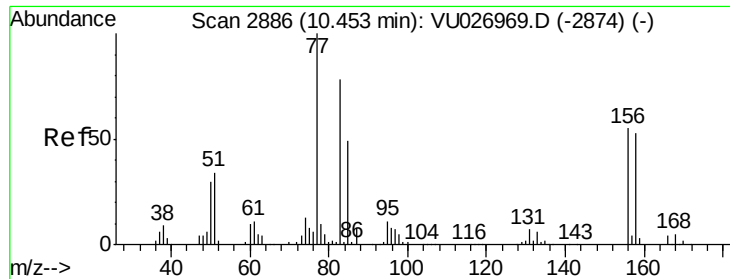
Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Tgt Ion:	75	Resp:	86054
Ion Ratio	Lower	Upper	
75	100		
77	41.9	21.1	63.1





#77

Bromobenzene

Concen: 50.631 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

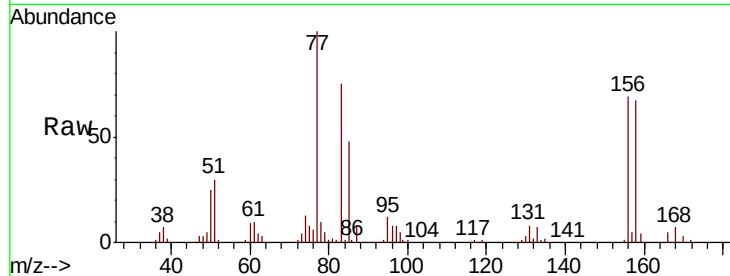
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	81504
Ion	Ratio	Lower	Upper
156	100		
77	145.4	77.6	232.9
158	96.7	48.9	146.6

Manual Integrations
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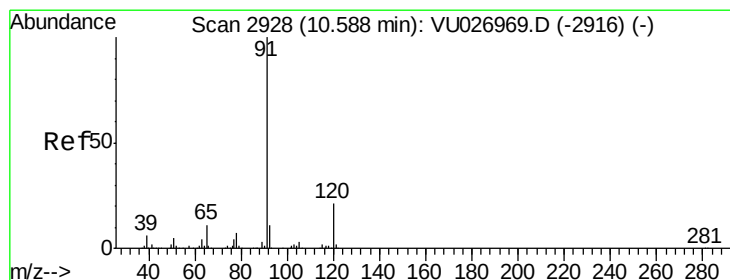
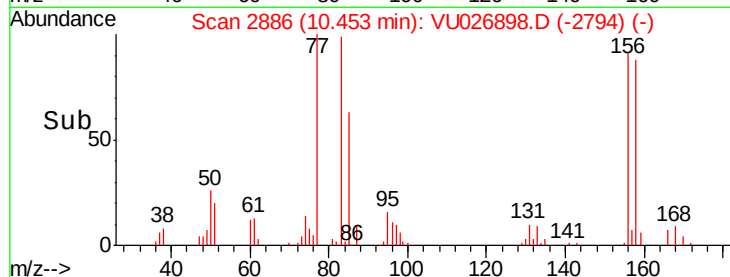
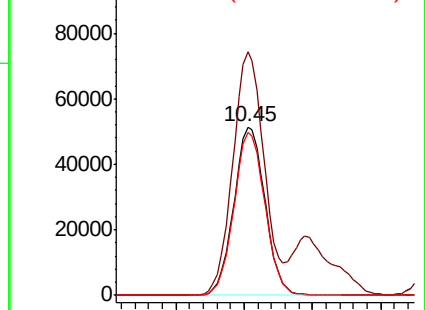
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.335 ug/l

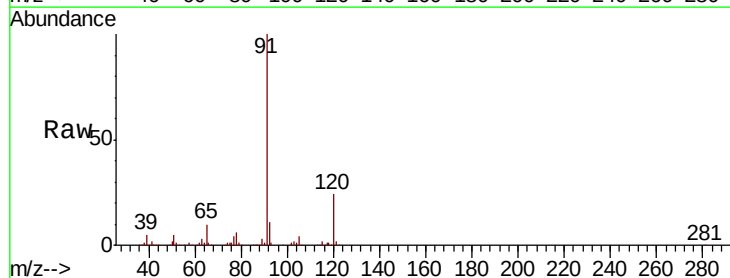
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026898.D

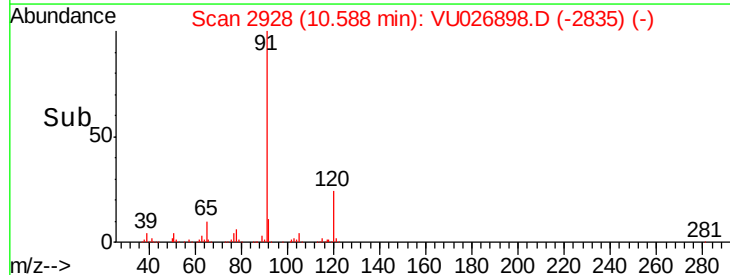
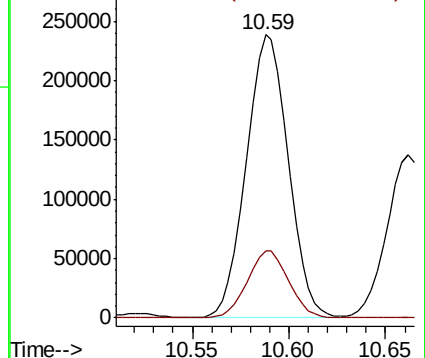
Acq: 19 Sep 2018 15:34

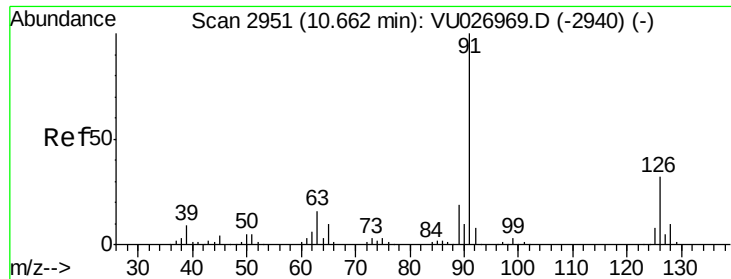
Tgt Ion:	91	Resp:	360534
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.721 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 212329

Ion Ratio Lower Upper

91 100

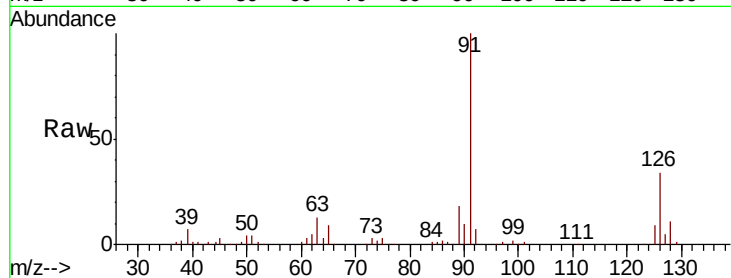
126 34.6 17.3 51.7

Manual Integrations

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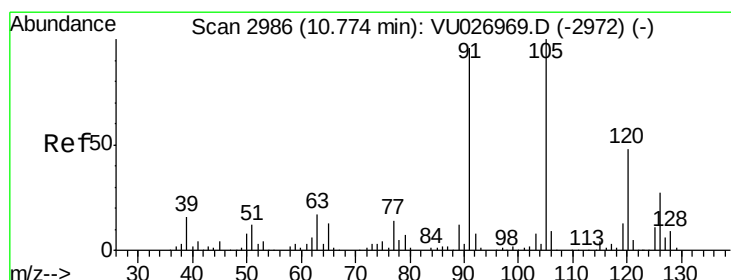
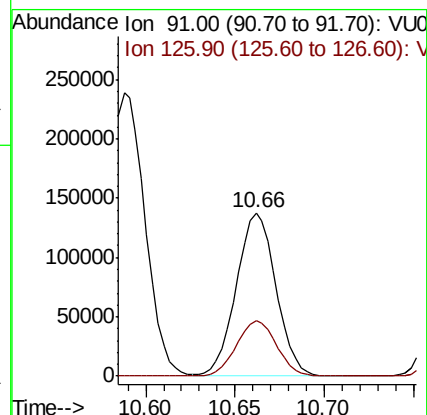
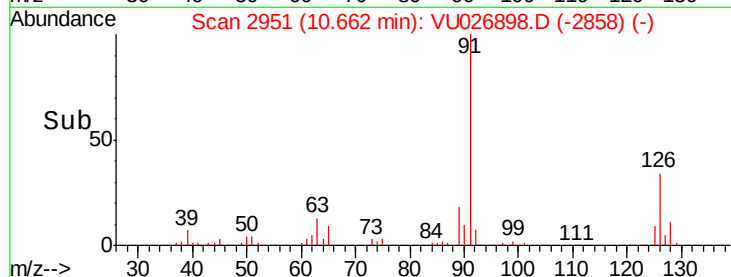
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.666 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026898.D

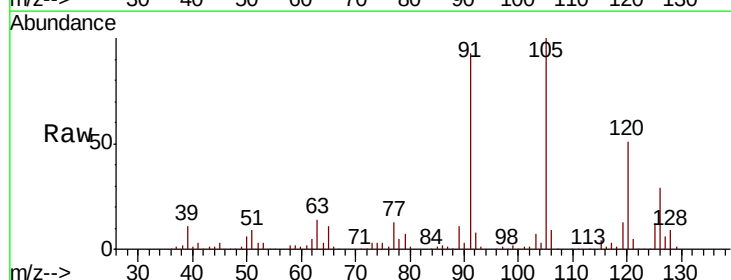
Acq: 19 Sep 2018 15:34

Tgt Ion: 105 Resp: 262205

Ion Ratio Lower Upper

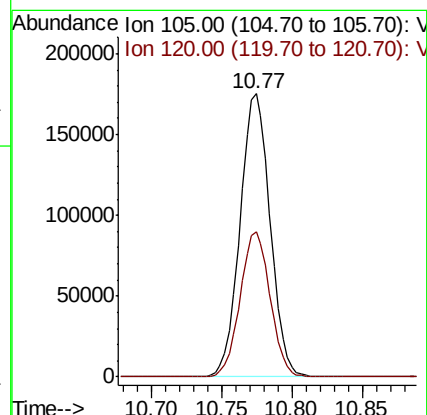
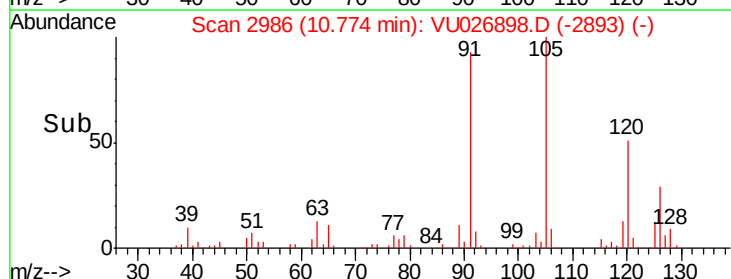
105 100

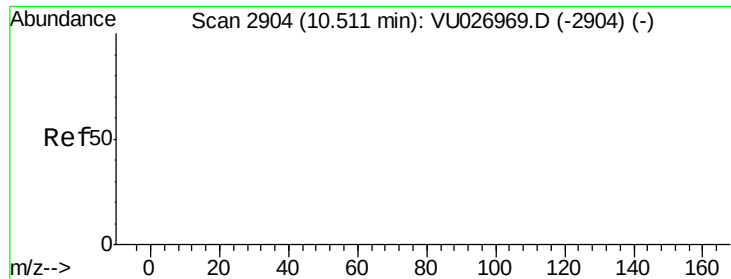
120 51.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.416 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU026898.D

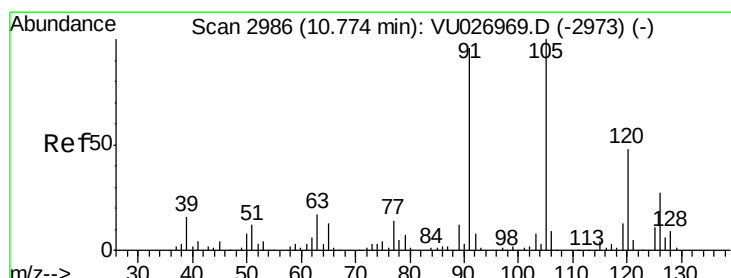
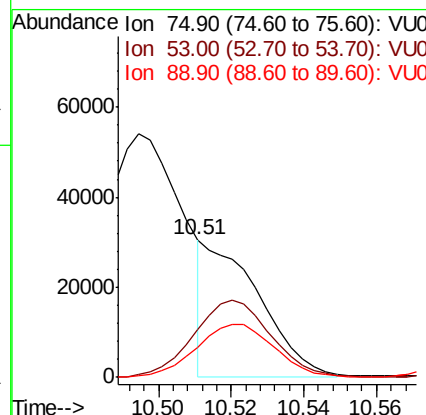
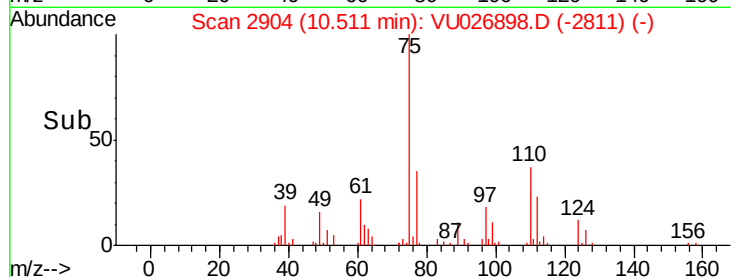
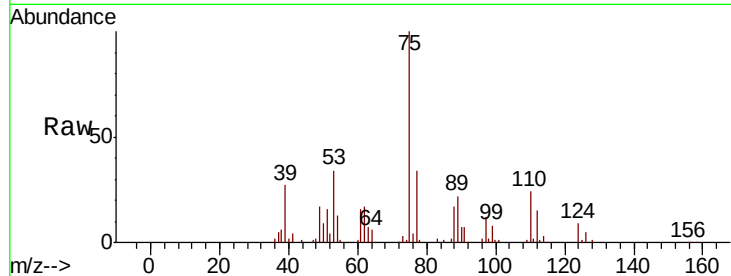
Acq: 19 Sep 2018 15:34

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.642 ug/l

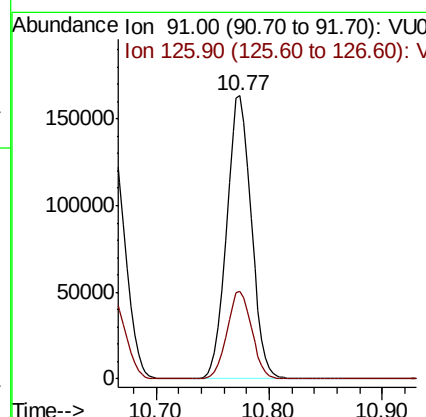
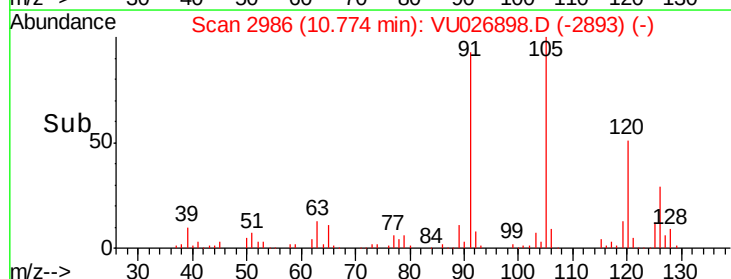
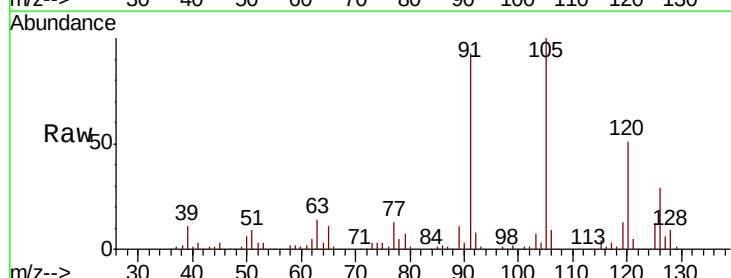
RT: 10.77 min Scan# 2986

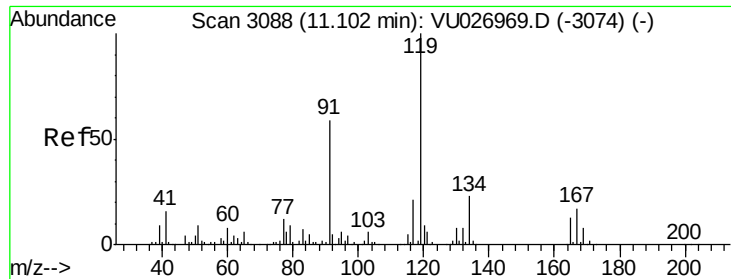
Delta R.T. 0.00 min

Lab File: VU026898.D

Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.2	45.5





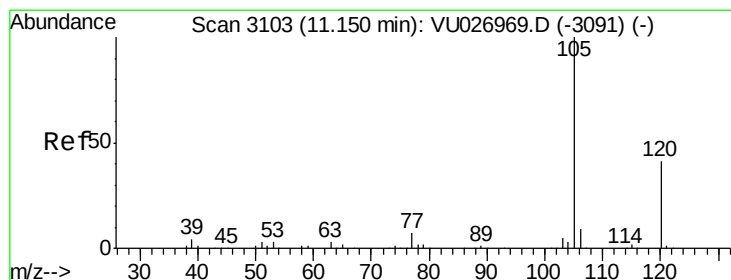
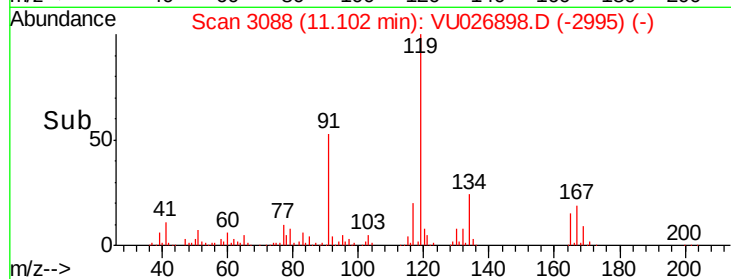
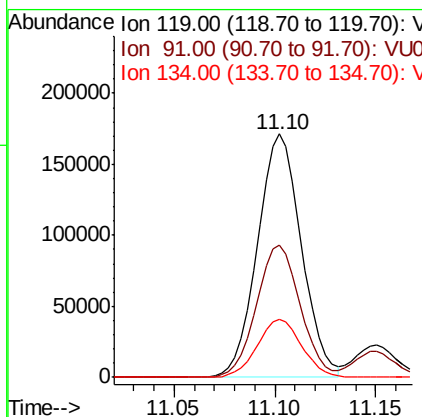
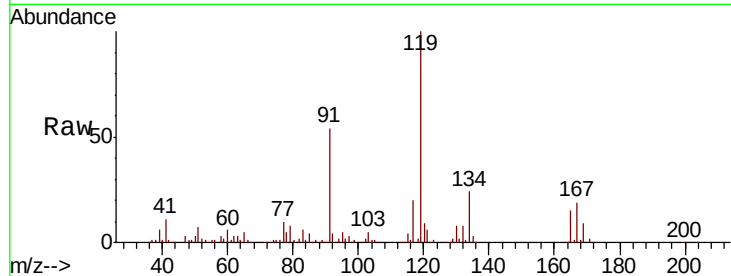
#83
 tert-Butylbenzene
 Concen: 51.452 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259962		
91	54.4	28.3	85.0	
134	24.0	11.2	33.5	

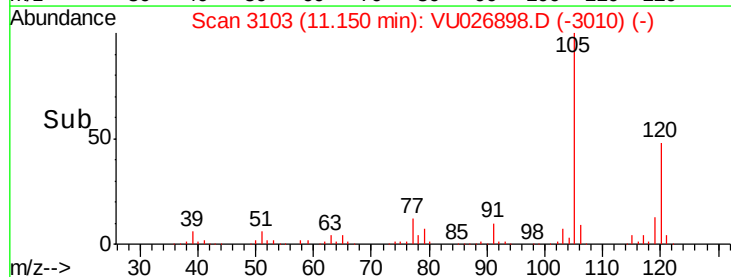
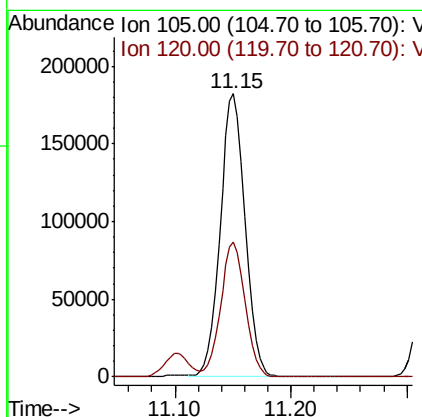
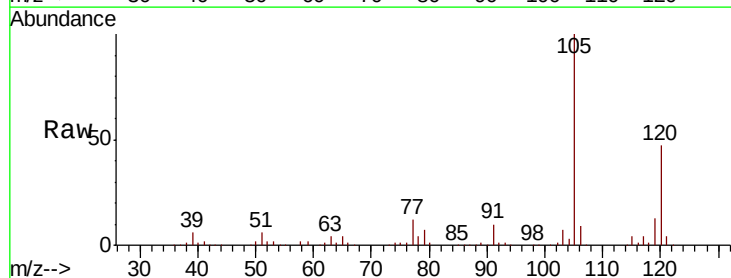
Manual Integrations
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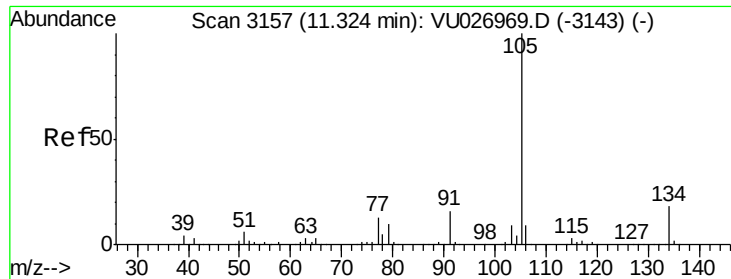
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.185 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	272087		
120	46.9	23.3	69.8	





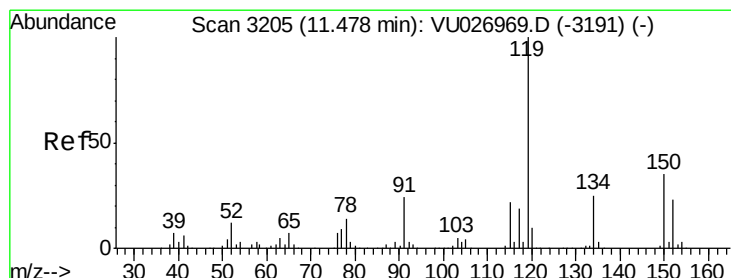
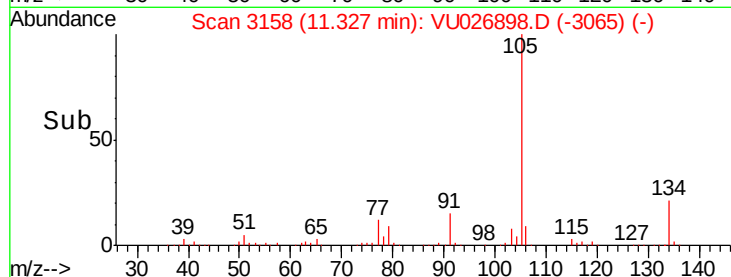
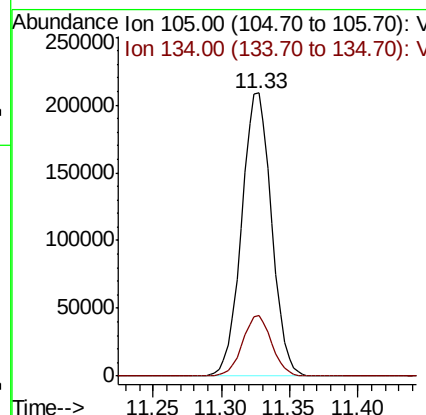
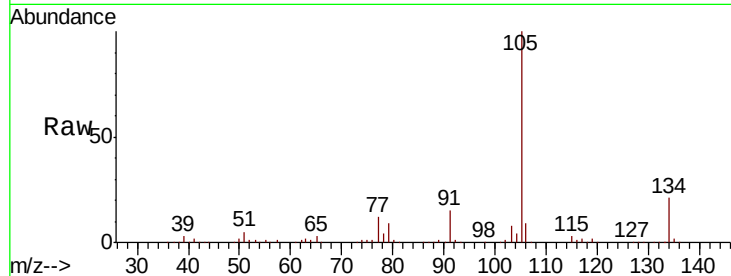
#85
 sec-Butylbenzene
 Concen: 52.921 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.1	30.1

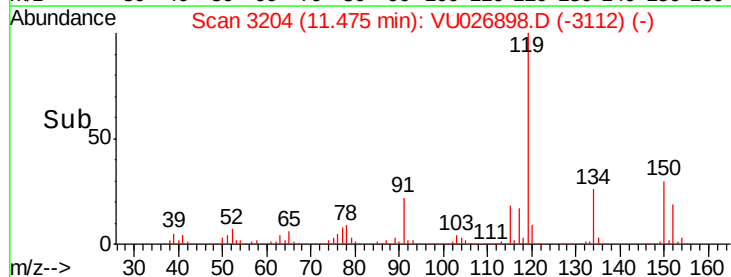
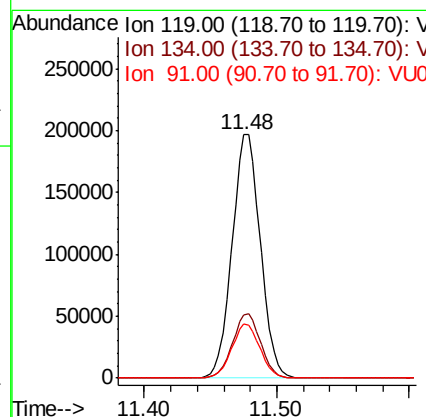
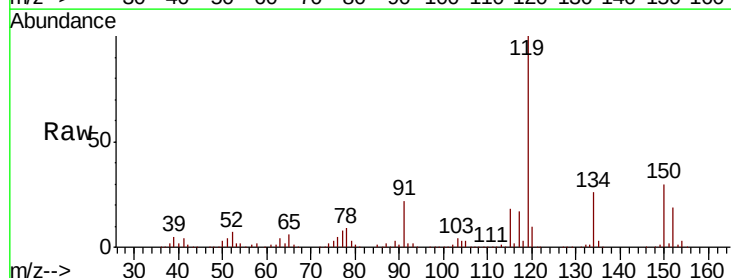
Manual Integrations
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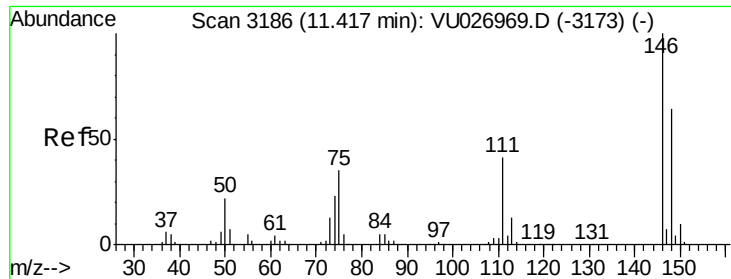
MMDadoda
 9/21/2018 4:12:22 PM



#86
 p-Isopropyltoluene
 Concen: 50.457 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	22.0	11.6	34.8





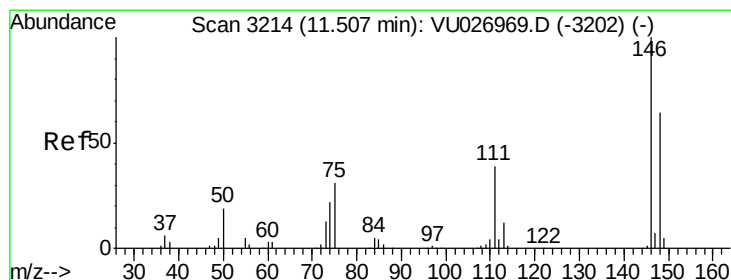
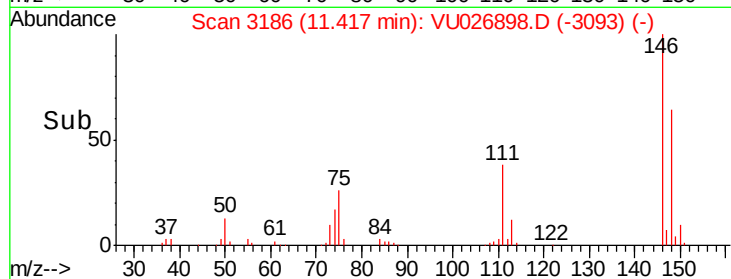
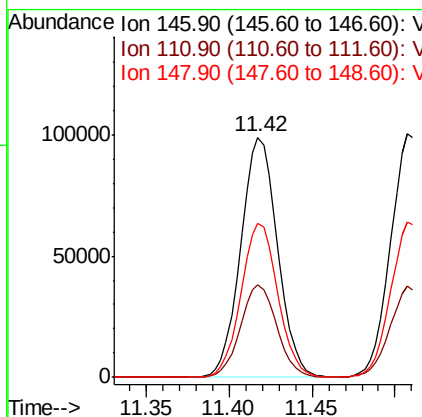
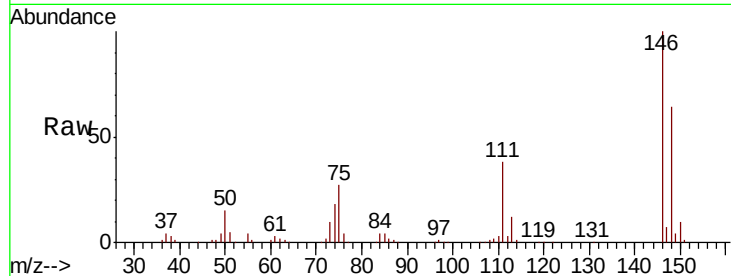
#87
 1,3-Dichlorobenzene
 Concen: 50.773 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.7	59.1
148	64.0	32.1	96.3

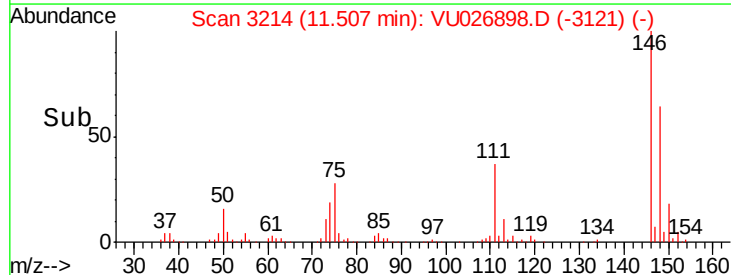
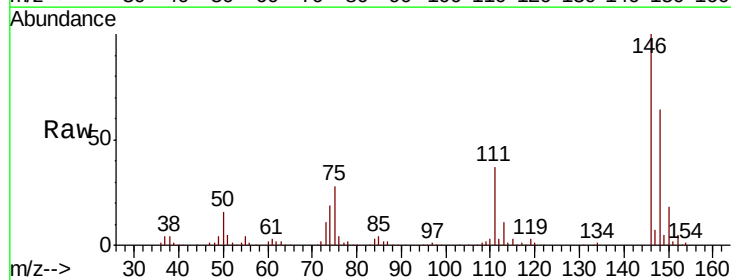
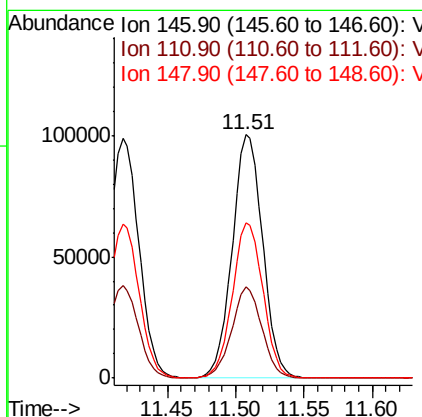
Manual Integrations
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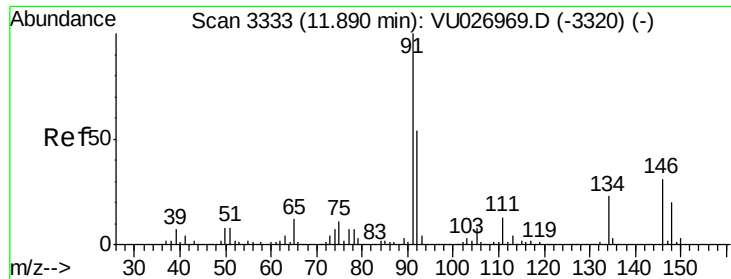
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#88
 1,4-Dichlorobenzene
 Concen: 49.917 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.2	57.6
148	63.9	32.1	96.3





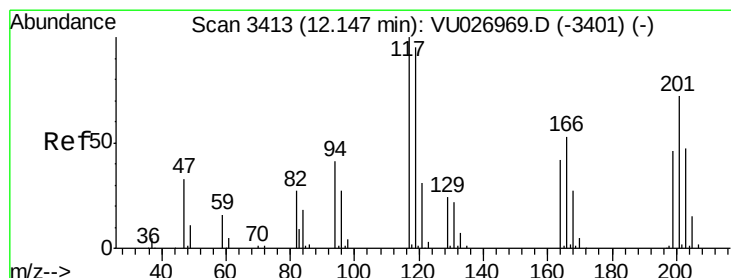
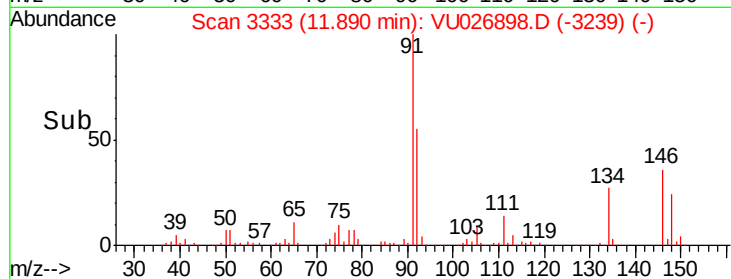
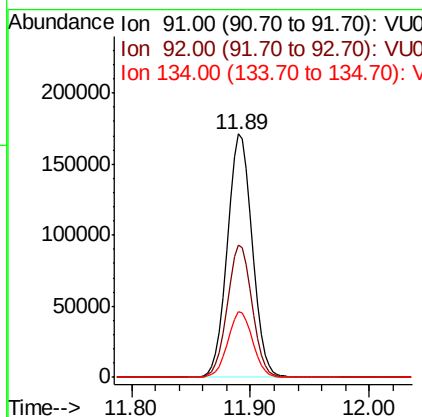
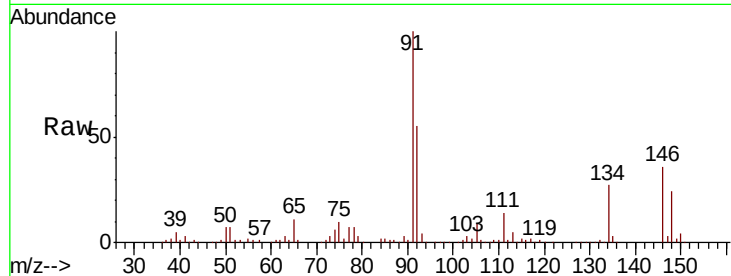
#89
n-Butylbenzene
Concen: 47.083 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	25.8	77.3
134	26.9	12.6	37.8

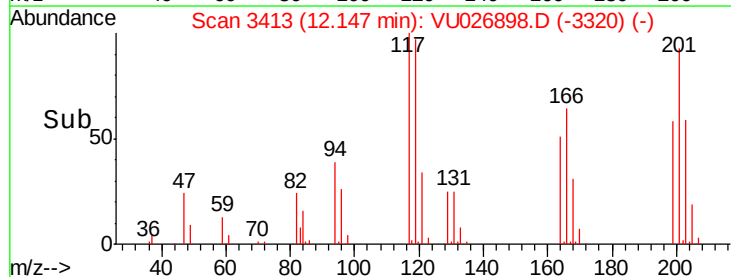
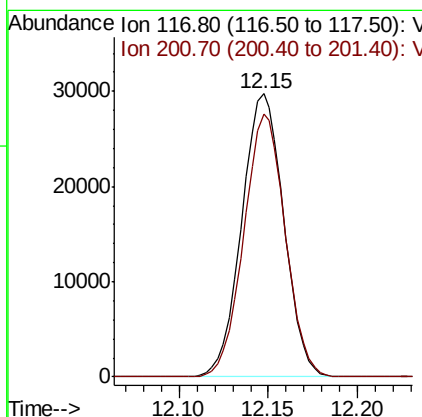
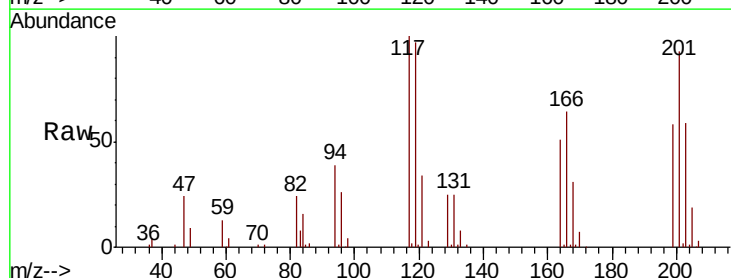
Manual Integrations
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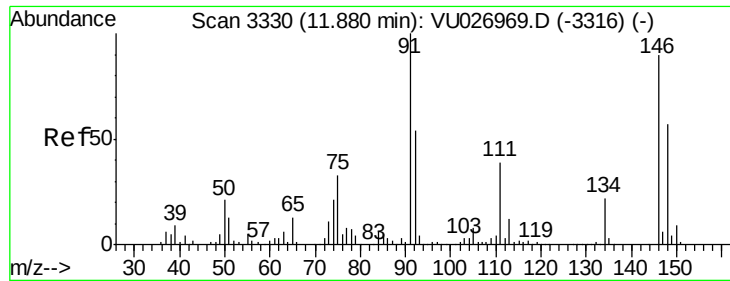
MMDadoda
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#90
Hexachloroethane
Concen: 46.277 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	42.4	127.1





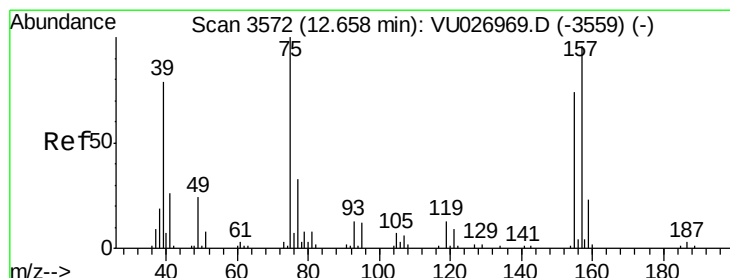
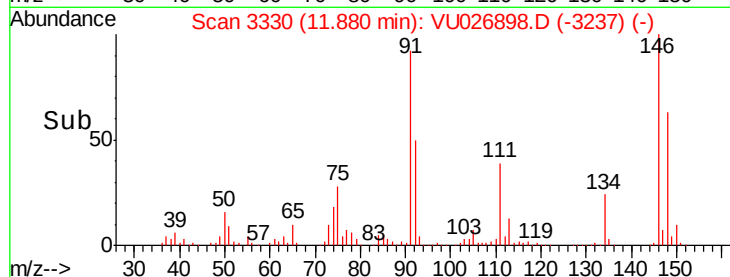
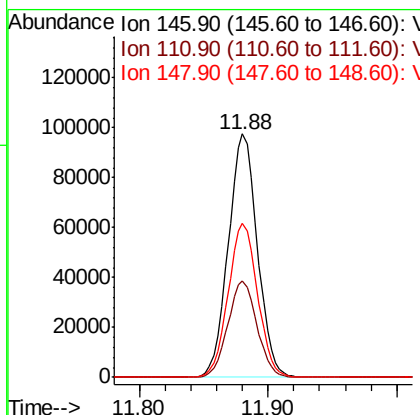
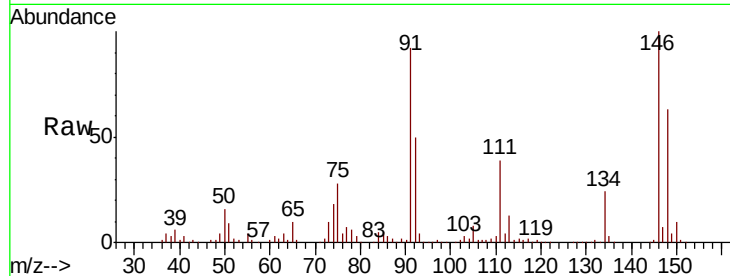
#91
 1,2-Dichlorobenzene
 Concen: 50.364 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	64.0	32.1	96.3

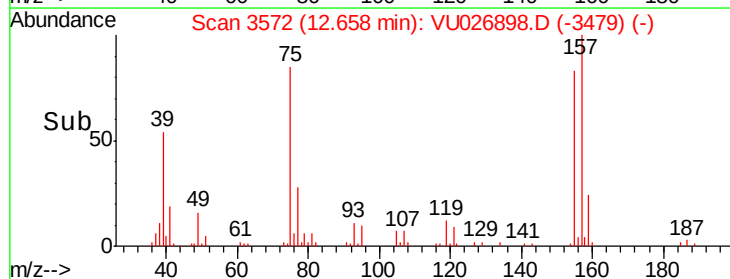
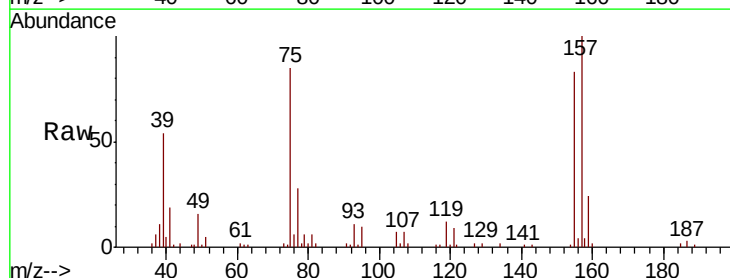
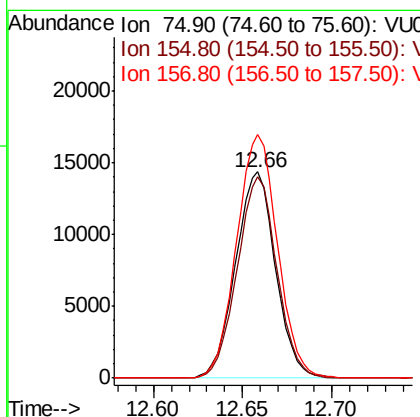
Manual Integrations
 APPROVED

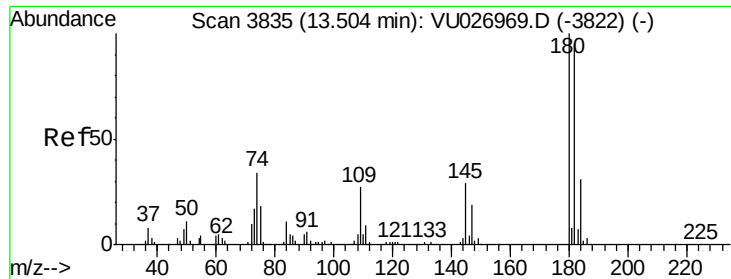
MMDadoda
 9/21/2018 4:12:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.471 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	44.1	132.4
157	120.8	57.2	171.6





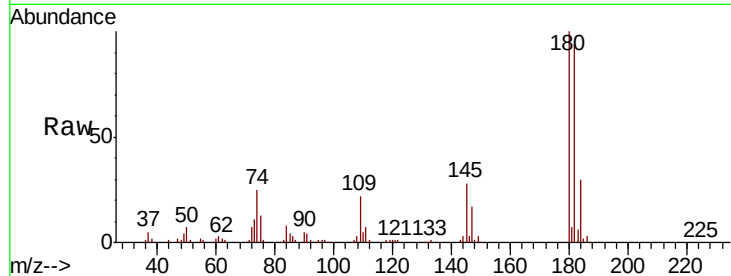
#93
 1,2,4-Trichlorobenzene
 Concen: 54.874 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.7
145	27.3	14.0	42.0

Manual Integrations
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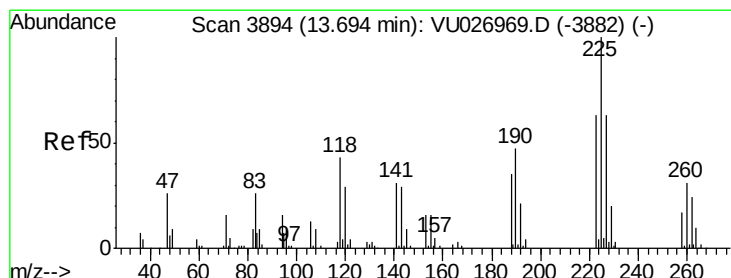
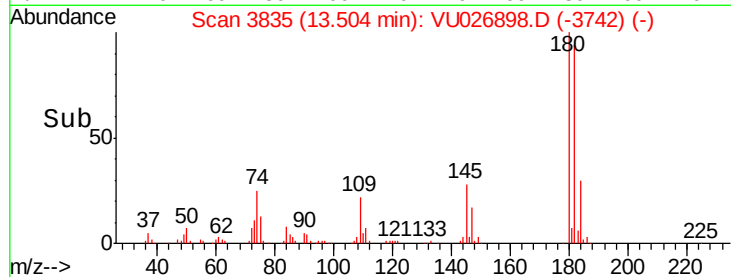
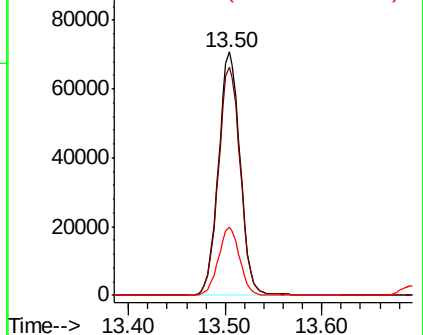


Abundance

Ion 179.80 (179.50 to 180.50): V

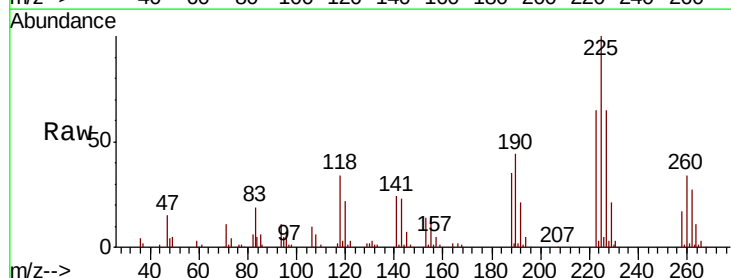
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.548 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026898.D
 Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.6	92.0
227	64.6	32.1	96.3

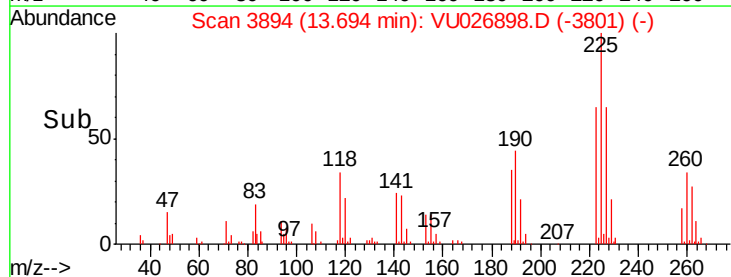
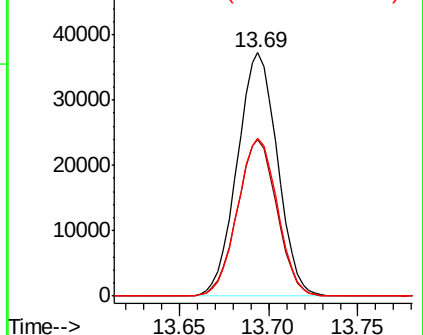


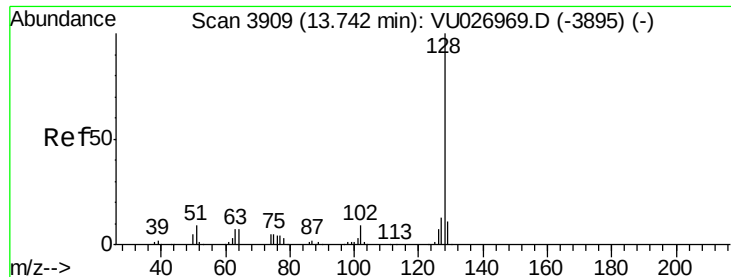
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





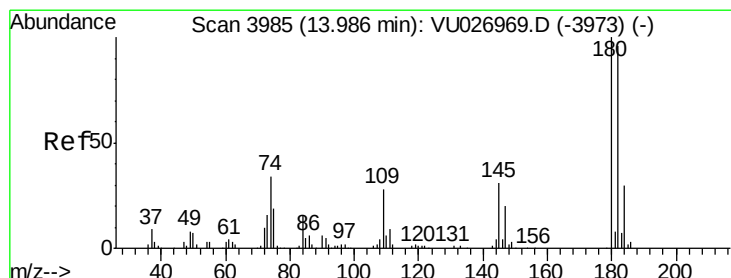
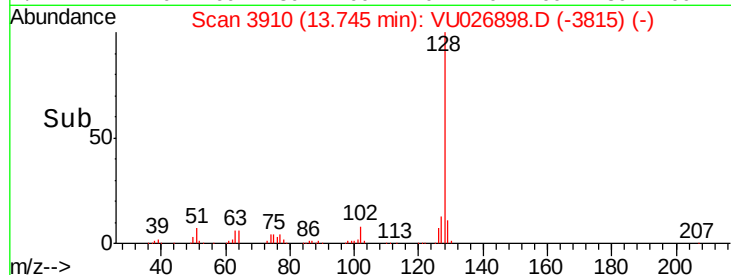
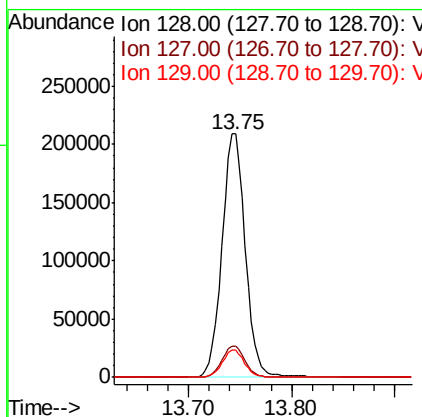
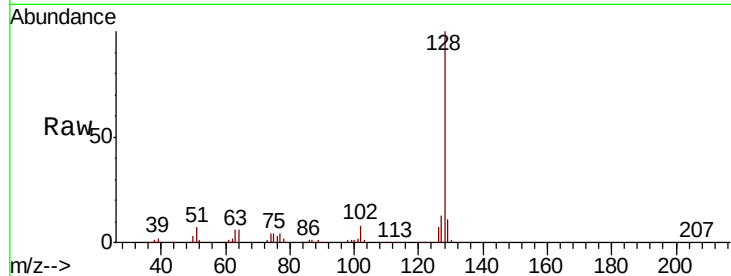
#95
Naphthalene
Concen: 48.801 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	329182		
127	12.8		10.4	15.6
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/21/2018 4:12:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.338 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026898.D
Acq: 19 Sep 2018 15:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113848		
182	96.9		47.9	143.7
145	29.6		14.9	44.9

