

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025357.D
 Acq On : 12 Jul 2018 22:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:19 AM

Quant Time: Jul 13 04:21:23 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	159914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	242385	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121730	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	4.89	113	101011	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
50) Toluene-d8	7.57	98	326973	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	10.31	95	138834	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	72065	43.545	ug/l	100
3) Chloromethane	1.33	50	74164	45.034	ug/l	99
4) Vinyl Chloride	1.40	62	81608	44.873	ug/l	97
5) Bromomethane	1.62	94	48134	52.068	ug/l	100
6) Chloroethane	1.69	64	54742	47.348	ug/l	95
7) Trichlorofluoromethane	1.89	101	136289	47.684	ug/l	99
8) Diethyl Ether	2.10	74	53377	49.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85518	48.283	ug/l	99
10) Methyl Iodide	2.41	142	99568	50.190	ug/l	99
11) Tert butyl alcohol	2.83	59	147092	271.393	ug/l	100
12) 1,1-Dichloroethene	2.28	96	76806	47.382	ug/l	95
13) Acrolein	2.19	56	43367	120.949	ug/l	96
14) Allyl chloride	2.59	41	134825	45.863	ug/l	99
15) Acrylonitrile	2.94	53	290867	261.031	ug/l	100
16) Acetone	2.32	43	276989	219.097	ug/l	99
17) Carbon Disulfide	2.48	76	182558	38.981	ug/l	99
18) Methyl Acetate	2.62	43	152997	60.147	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	319302	51.786	ug/l	100
20) Methylene Chloride	2.70	84	93382	48.604	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	83924	45.305	ug/l	97
22) Diisopropyl ether	3.57	45	306105	50.987	ug/l	99
23) Vinyl Acetate	3.53	43	1356394	257.546	ug/l	100
24) 1,1-Dichloroethane	3.45	63	172950	51.080	ug/l	99
25) 2-Butanone	4.26	43	431376	250.504	ug/l	99
26) 2,2-Dichloropropane	4.23	77	133329	40.954	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	104357	48.690	ug/l	100
28) Bromochloromethane	4.55	49	83638	51.155	ug/l	100
29) Tetrahydrofuran	4.63	42	269289	260.712	ug/l	99
30) Chloroform	4.68	83	186197	51.928	ug/l	97
31) Cyclohexane	5.00	56	147664	47.102	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	163980	50.462	ug/l	99
36) 1,1-Dichloropropene	5.14	75	126278	46.862	ug/l	98
37) Ethyl Acetate	4.38	43	154676	51.470	ug/l	100
38) Carbon Tetrachloride	5.14	117	144245	49.733	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	148806	44.272	ug/l	96
40) Benzene	5.39	78	370705	47.737	ug/l	99
41) Methacrylonitrile	4.54	41	87127	52.292	ug/l	98
42) 1,2-Dichloroethane	5.41	62	156202	50.603	ug/l	100
43) Isopropyl Acetate	5.55	43	248605	51.658	ug/l	100
44) Trichloroethene	6.19	130	104602	46.912	ug/l	100
45) 1,2-Dichloropropane	6.44	63	101910	50.105	ug/l	99
46) Dibromomethane	6.56	93	72914	49.260	ug/l	97
47) Bromodichloromethane	6.76	83	141086	51.310	ug/l	99
48) Methyl methacrylate	6.62	41	127365	53.088	ug/l	99
49) 1,4-Dioxane	6.62	88	62224	1077.873	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	823221	263.186	ug/l	100
52) Toluene	7.64	92	241687	48.920	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	149864	49.606	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	157572	49.006	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	104632	50.852	ug/l	99
56) Ethyl methacrylate	8.02	69	163927	51.009	ug/l	99
57) 1,3-Dichloropropane	8.25	76	174949	51.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	306516	213.876	ug/l	99
59) 2-Hexanone	8.36	43	654060	257.794	ug/l	99
60) Dibromochloromethane	8.48	129	114489	51.522	ug/l	98
61) 1,2-Dibromoethane	8.59	107	115046	52.255	ug/l	98
64) Tetrachloroethene	8.23	164	95844	45.450	ug/l	99
65) Chlorobenzene	9.12	112	281222	48.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	108812	52.636	ug/l	99
67) Ethyl Benzene	9.25	91	480863	48.806	ug/l	100
68) m/p-Xylenes	9.38	106	375830	98.667	ug/l	100
69) o-Xylene	9.78	106	186528	48.912	ug/l	95
70) Styrene	9.80	104	308559	50.938	ug/l	99
71) Bromoform	9.96	173	90032	45.503	ug/l #	97
73) Isopropylbenzene	10.17	105	507496	46.664	ug/l	100
74) N-amyl acetate	10.01	43	226943	50.957	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	178565	50.186	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	161882m	54.981	ug/l	
77) Bromobenzene	10.45	156	132602	47.659	ug/l	98
78) n-propylbenzene	10.59	91	574893	47.637	ug/l	100
79) 2-Chlorotoluene	10.66	91	354073	51.094	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	439293	48.004	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	52921m	46.668	ug/l	
82) 4-Chlorotoluene	10.78	91	397371	46.501	ug/l	99
83) tert-Butylbenzene	11.10	119	447738	48.417	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	442925	47.226	ug/l	98
85) sec-Butylbenzene	11.33	105	522919	48.025	ug/l	100
86) p-Isopropyltoluene	11.48	119	463868	48.113	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	238633	46.930	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	241080	48.583	ug/l	98
89) n-Butylbenzene	11.89	91	376279	47.477	ug/l	99
90) Hexachloroethane	12.15	117	77754	47.629	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	251484	48.971	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45837	53.115	ug/l	100

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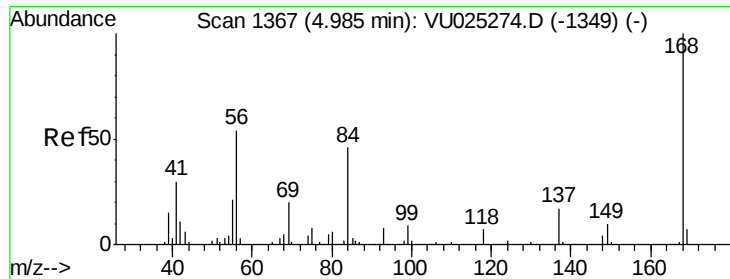
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Tue Jul 10 09:34:16 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	156964	45.932	ug/l	99
94) Hexachlorobutadiene	13.70	225	84407	45.957	ug/l	98
95) Naphthalene	13.74	128	520545	49.817	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	166671	47.852	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 159914

Ion Ratio Lower Upper

168 100

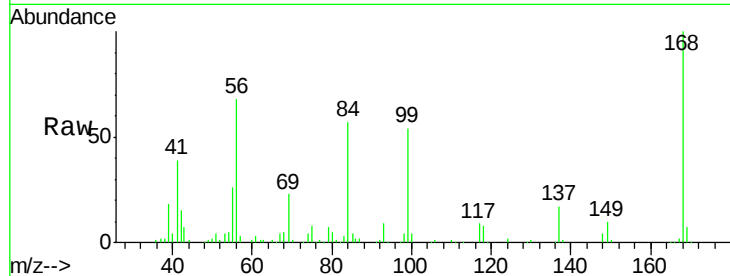
99 54.0 42.8 64.2

Manual Integrations

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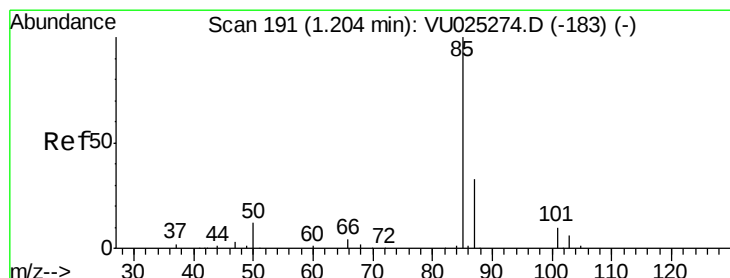
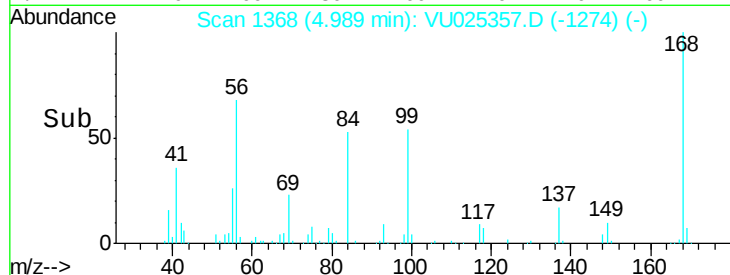
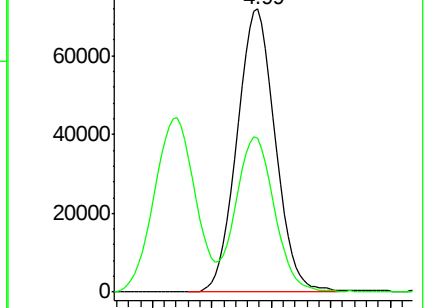
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)



#2

Dichlorodifluoromethane

Concen: 43.545 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025357.D

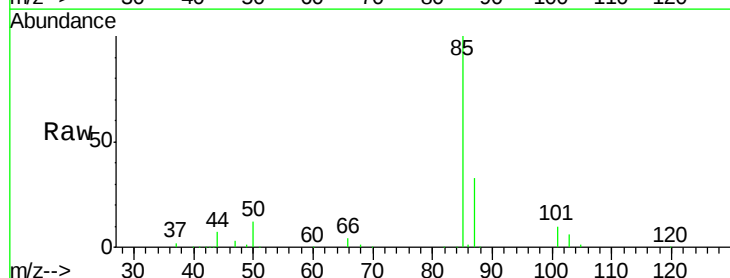
Acq: 12 Jul 2018 22:23

Tgt Ion: 85 Resp: 72065

Ion Ratio Lower Upper

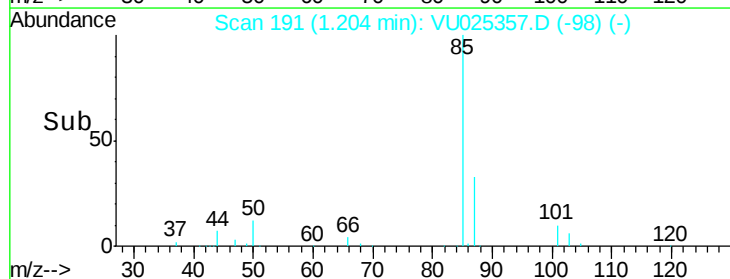
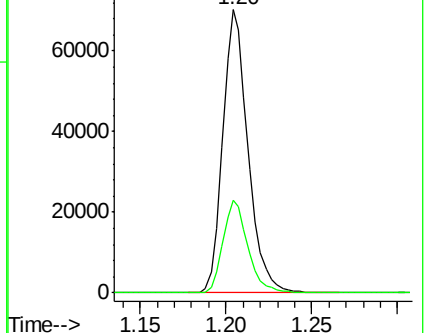
85 100

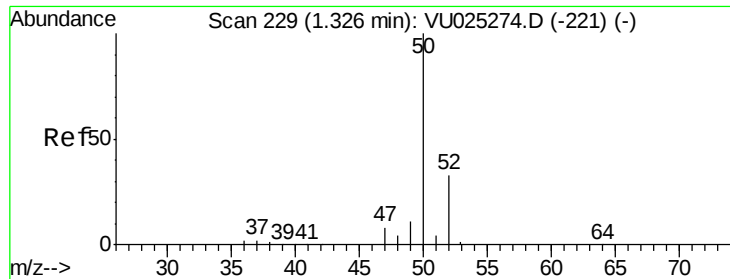
87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)





#3

Chloromethane

Concen: 45.034 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74164

Ion Ratio Lower Upper

50 100

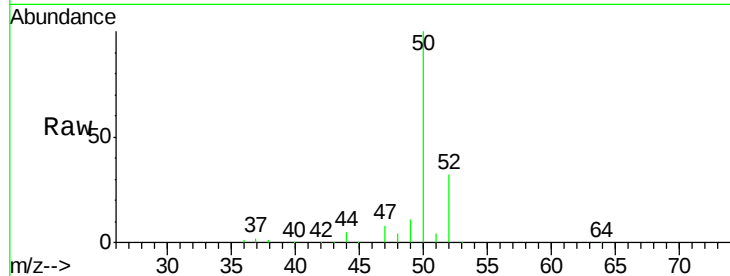
52 32.4 26.5 39.7

Manual Integrations

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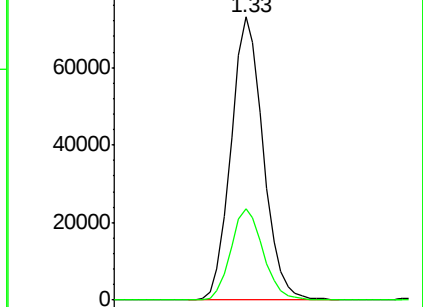
MMDadoda

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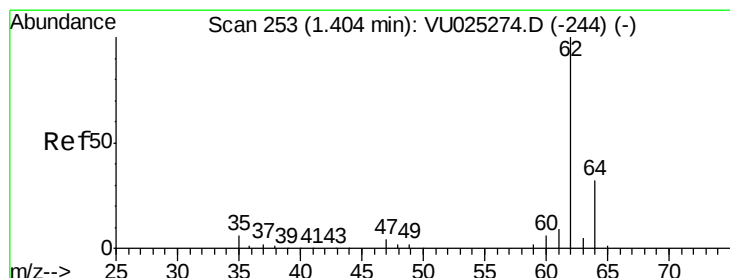
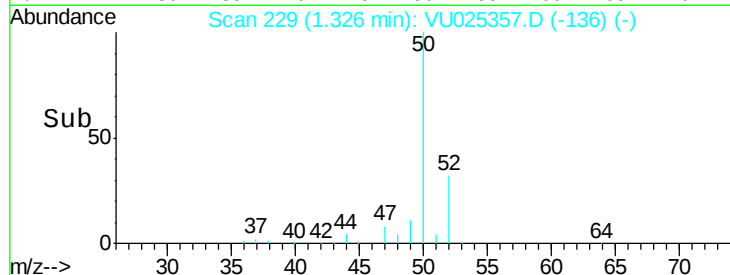


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 44.873 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025357.D

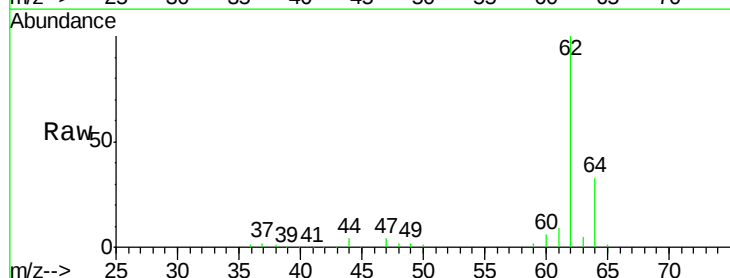
Acq: 12 Jul 2018 22:23

Tgt Ion: 62 Resp: 81608

Ion Ratio Lower Upper

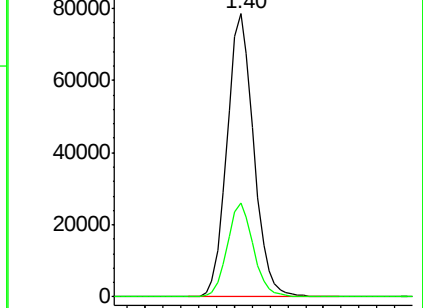
62 100

64 33.2 25.4 38.0

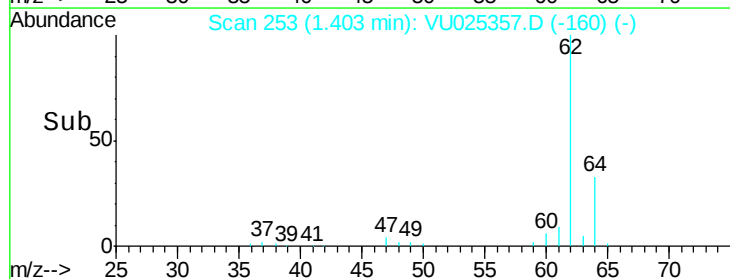


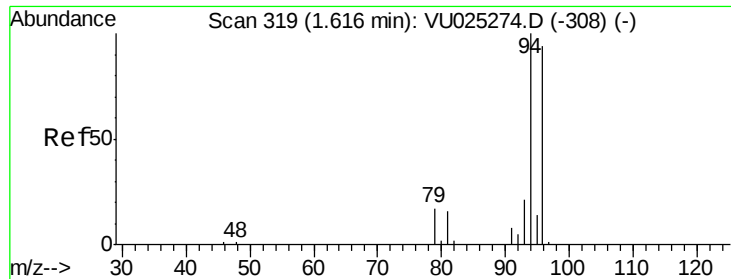
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 52.068 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48134

Ion Ratio Lower Upper

94 100

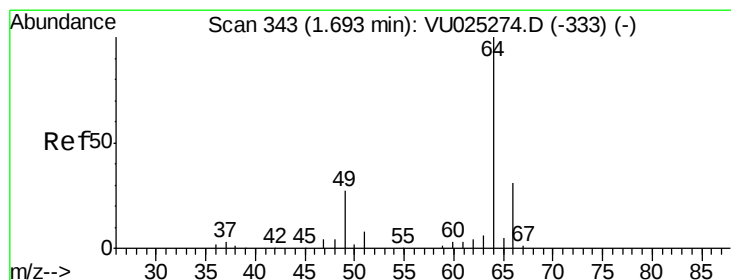
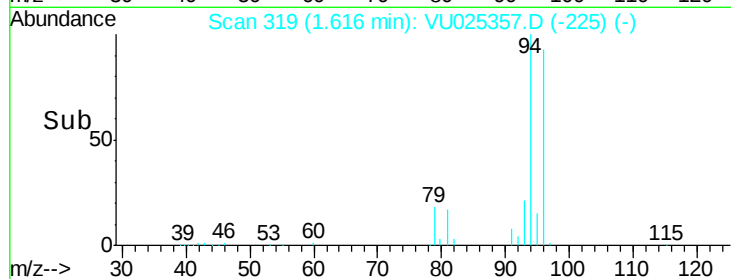
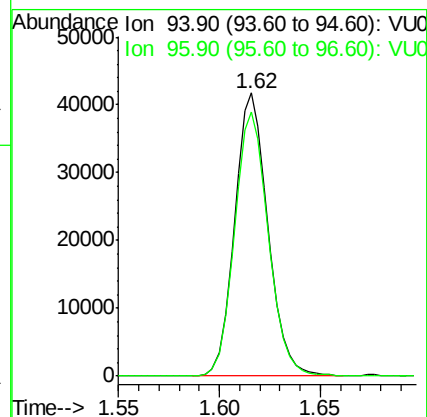
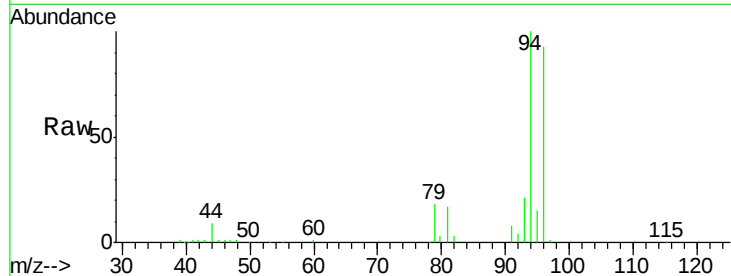
96 93.3 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 47.348 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025357.D

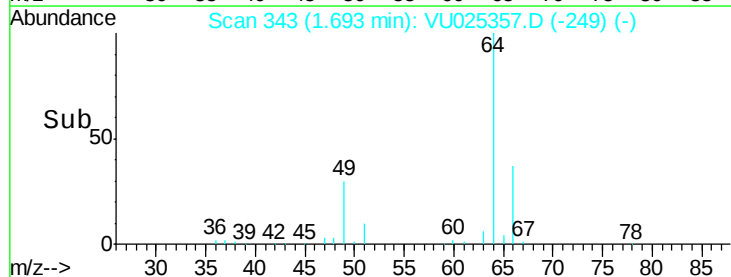
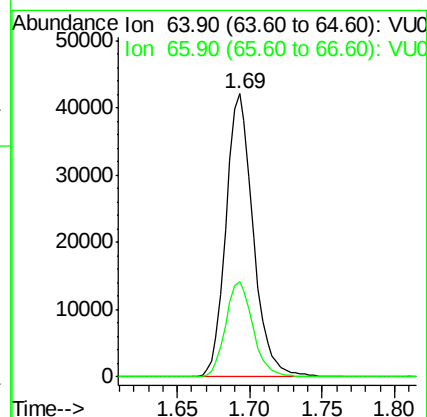
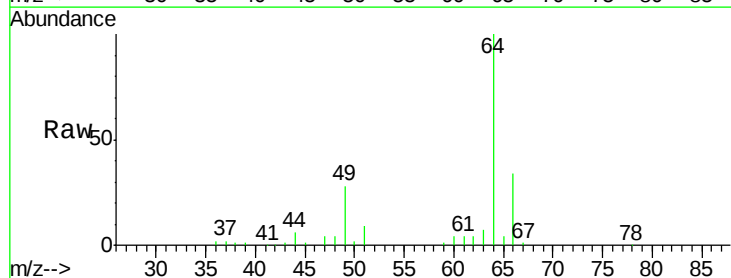
Acq: 12 Jul 2018 22:23

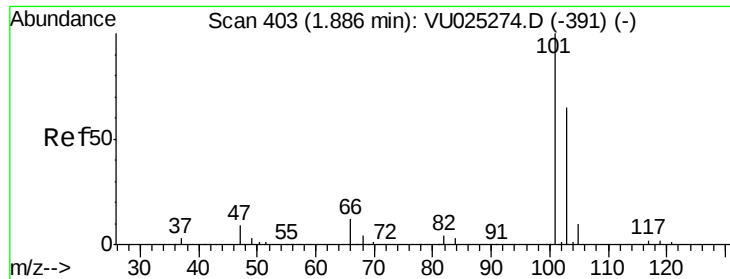
Tgt Ion: 64 Resp: 54742

Ion Ratio Lower Upper

64 100

66 33.7 25.0 37.4





#7

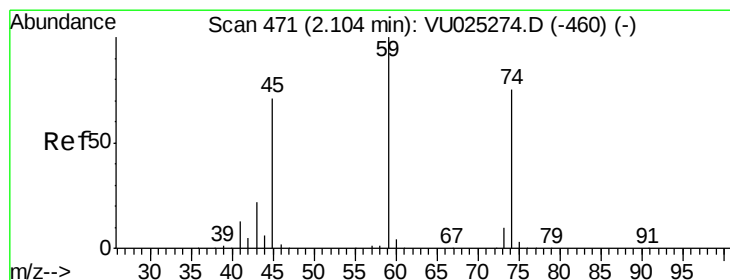
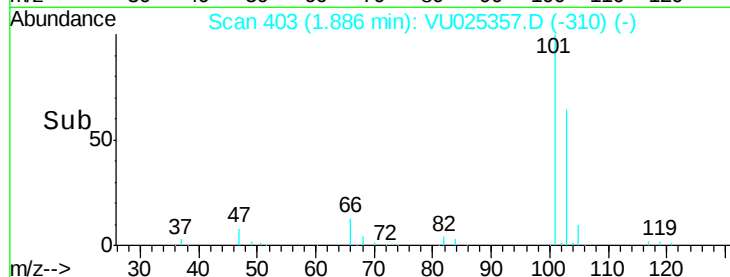
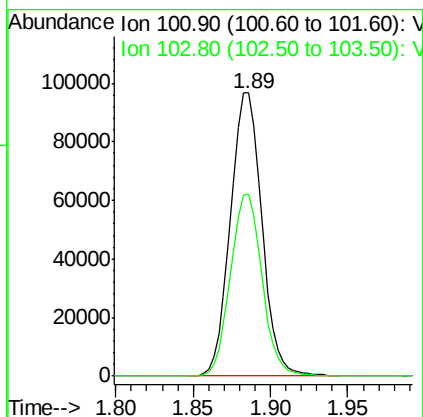
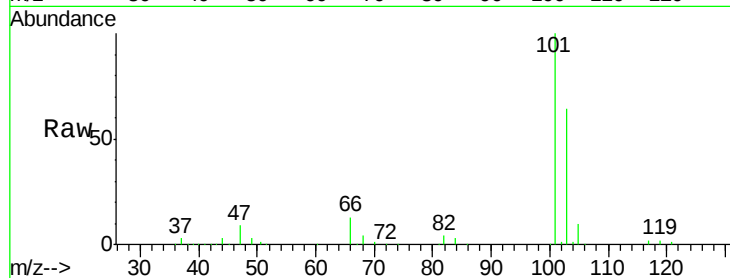
Trichlorofluoromethane
 Concen: 47.684 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.2

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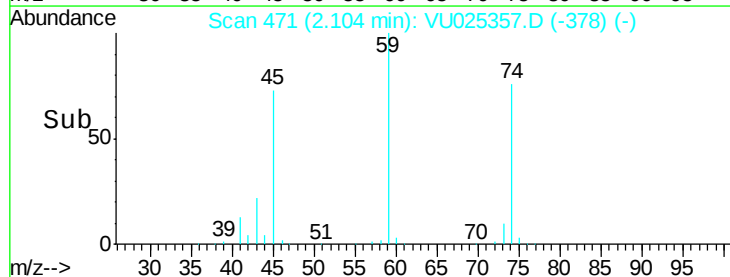
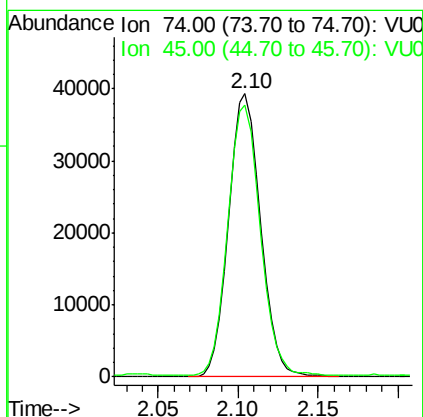
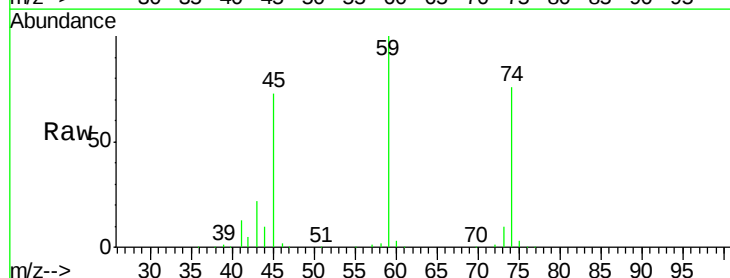
MMDadoda
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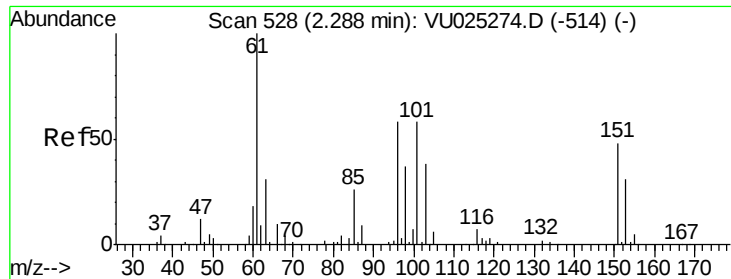


#8

Diethyl Ether
 Concen: 49.766 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.3	144.9





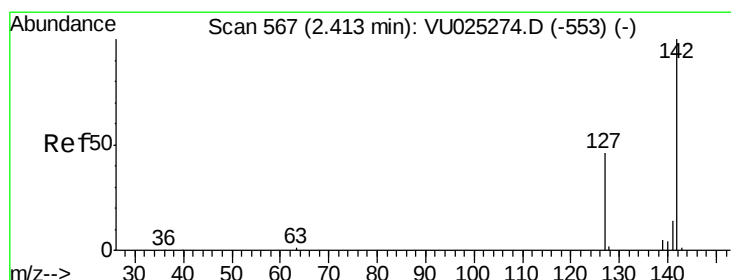
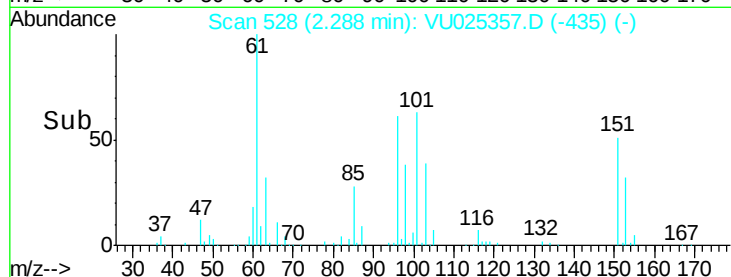
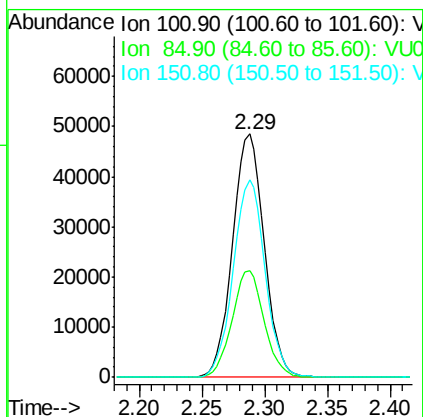
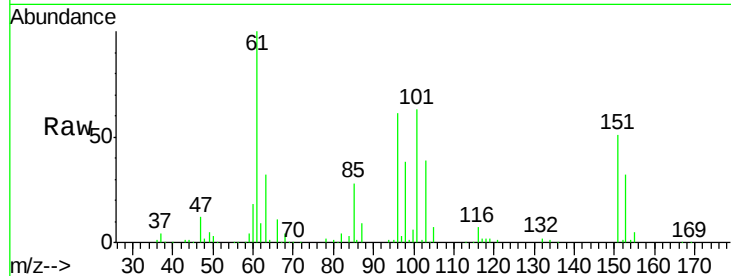
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.283 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	85518		
85	44.0	36.0	54.0	
151	81.5	65.6	98.4	

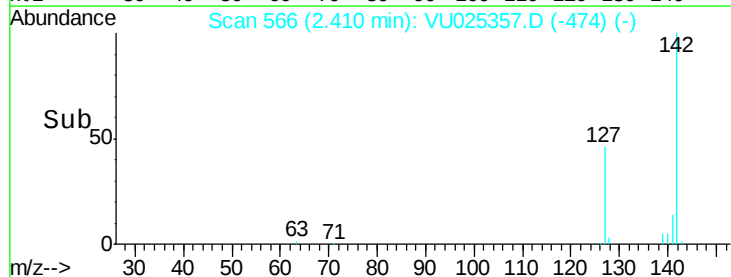
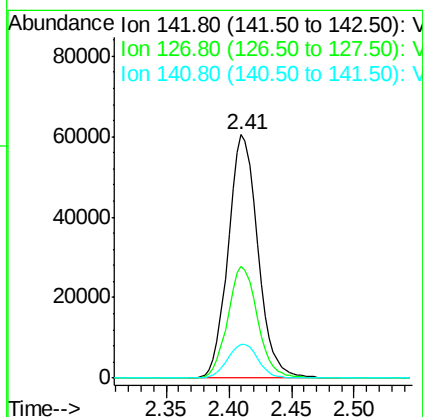
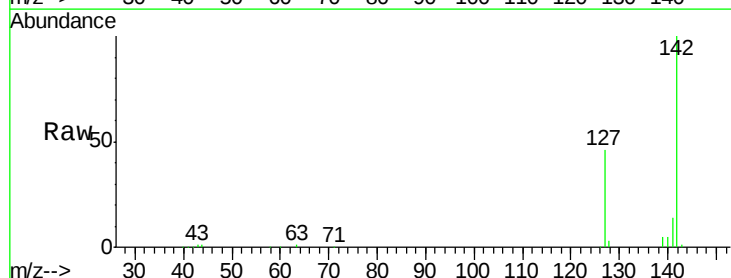
Manual Integrations
 APPROVED

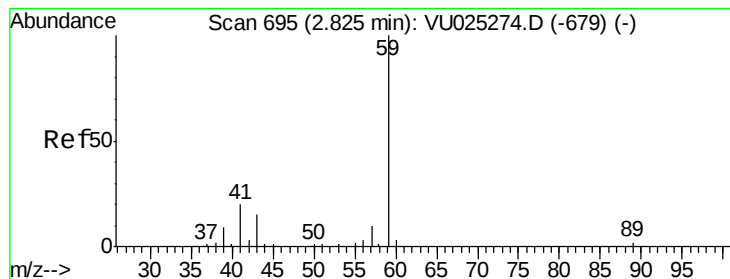
MMDadoda
 7/13/2018 11:44:19 AM



#10
 Methyl Iodide
 Concen: 50.190 ug/l
 RT: 2.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	99568		
127	46.3	36.5	54.7	
141	14.4	11.4	17.2	





#11

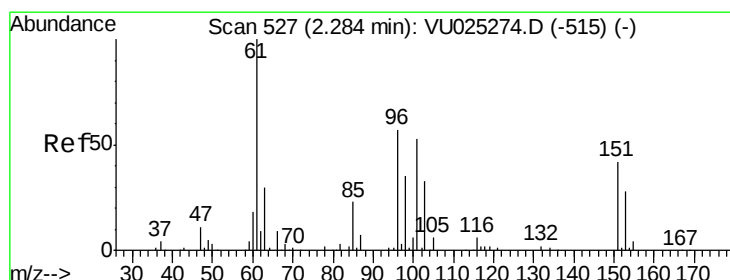
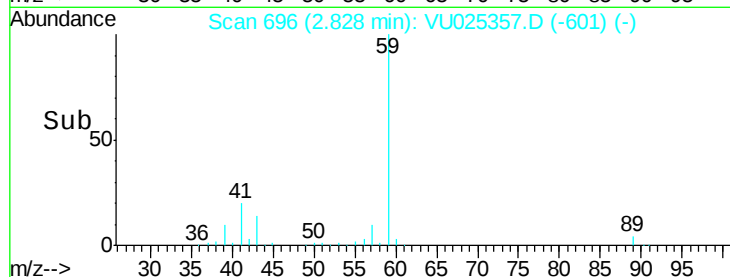
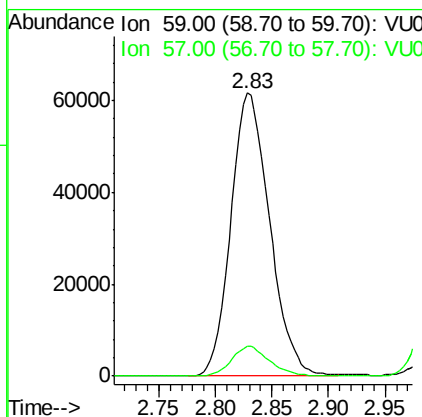
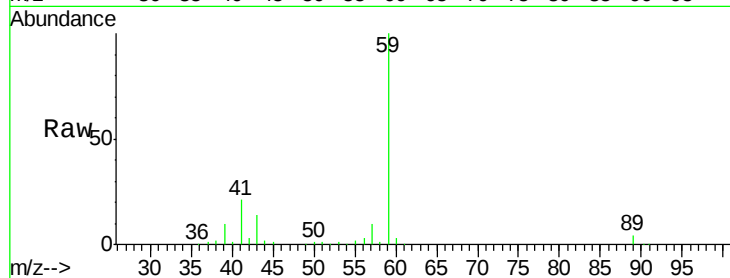
Tert butyl alcohol
 Concen: 271.393 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

Manual Integrations
 APPROVED

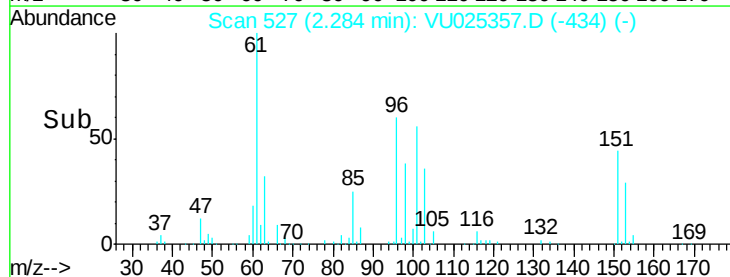
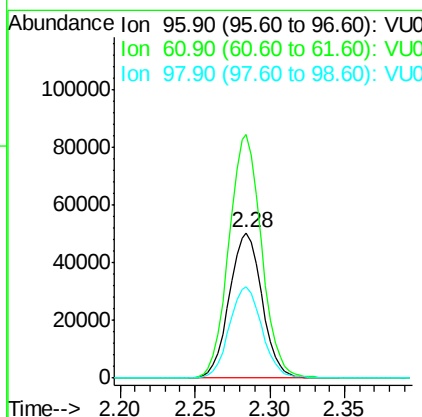
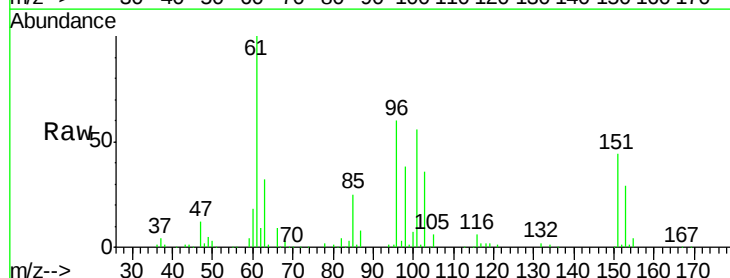
MMDadoda
 7/13/2018 11:44:19 AM

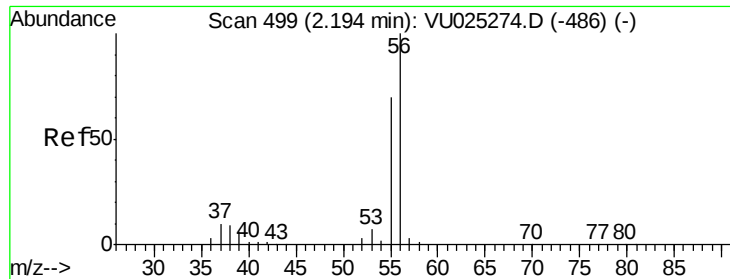


#12

1,1-Dichloroethene
 Concen: 47.382 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	140.2	210.4
98	63.2	49.3	73.9





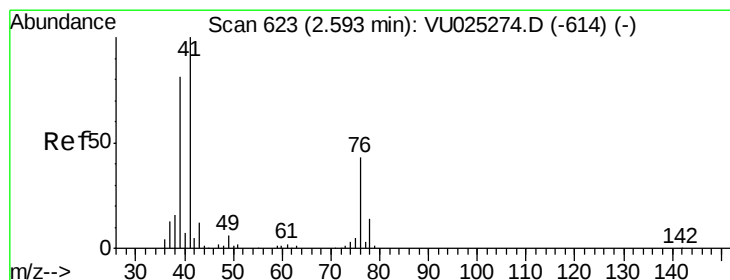
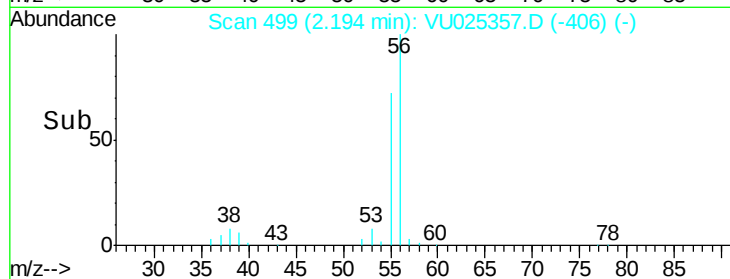
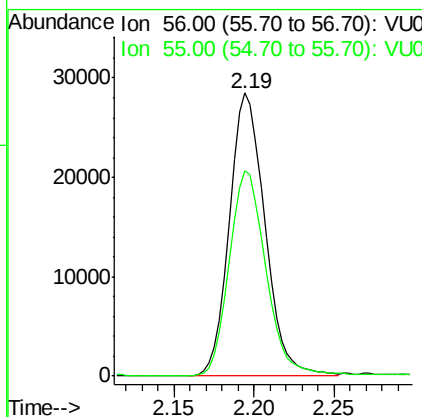
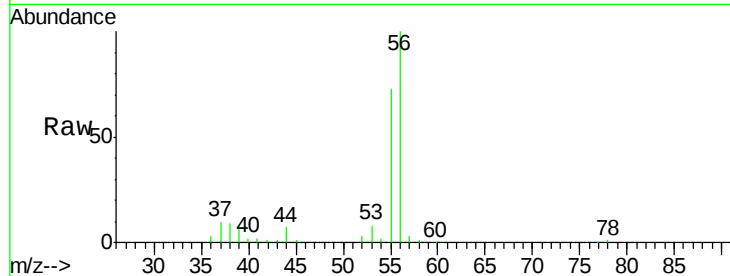
#13
Acrolein
Concen: 120.949 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
43367	100	75.0		57.2	85.8

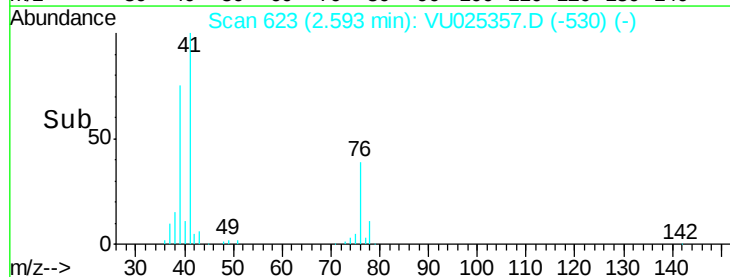
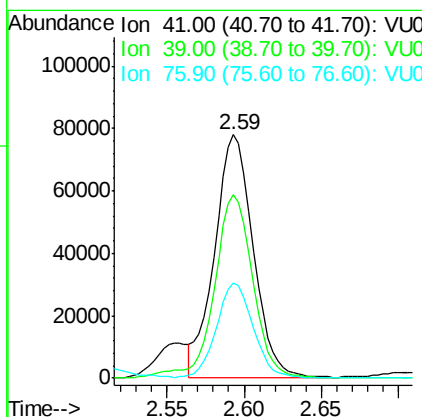
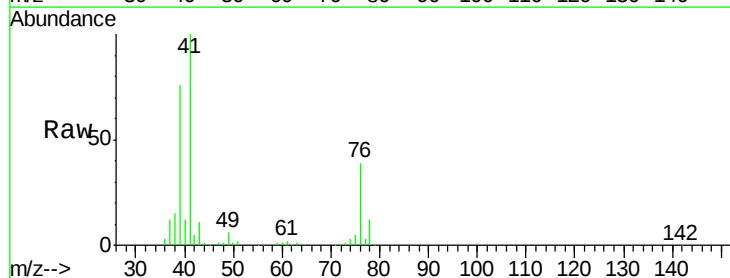
Manual Integrations
APPROVED

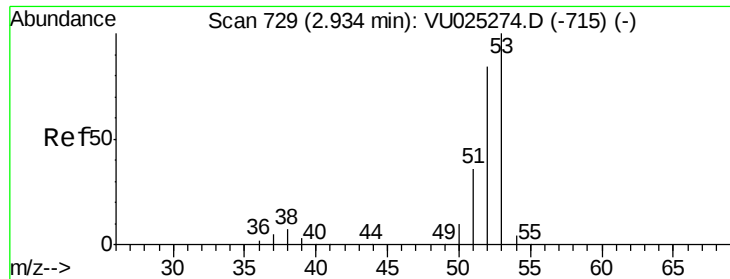
MMDadoda
7/13/2018 11:44:19 AM



#14
Allyl chloride
Concen: 45.863 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	41	39	76	Ratio	Lower	Upper
134825	100	75.4	37.0		60.6	91.0





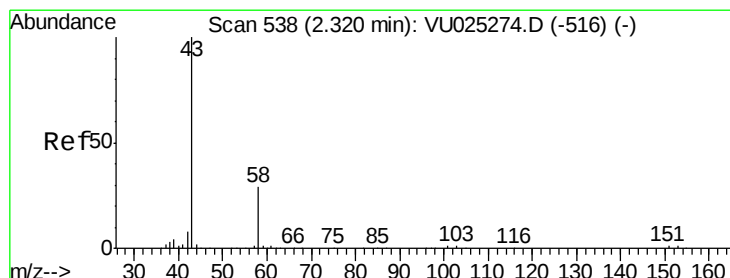
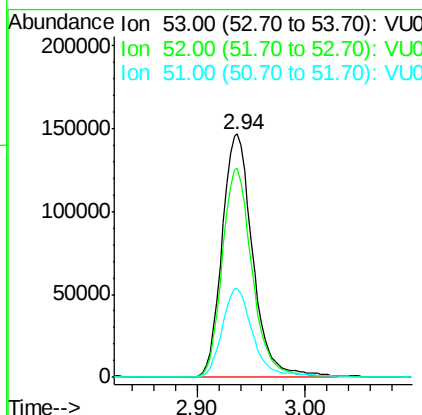
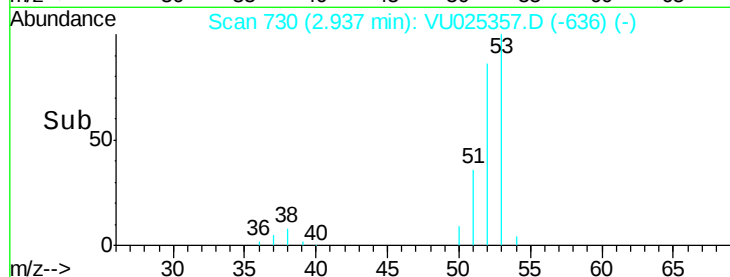
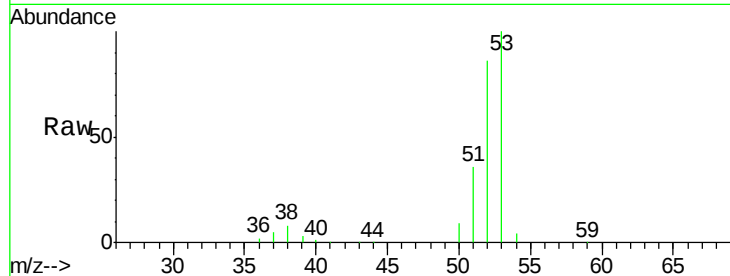
#15
Acrylonitrile
Concen: 261.031 ug/l
RT: 2.94 min Scan# 730
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	53	Resp:	290867
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.6	99.8
51	37.1	29.4	44.2

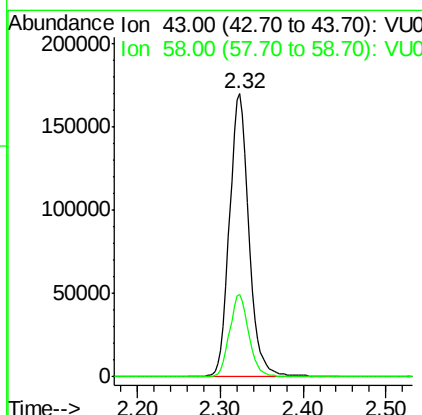
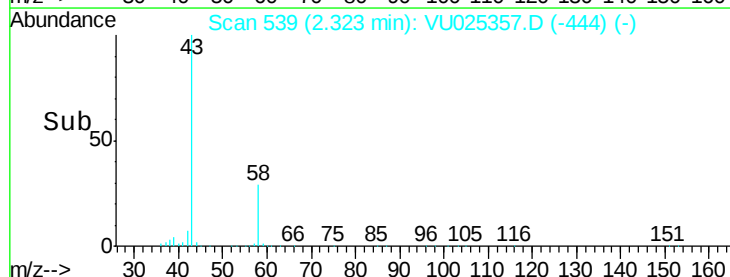
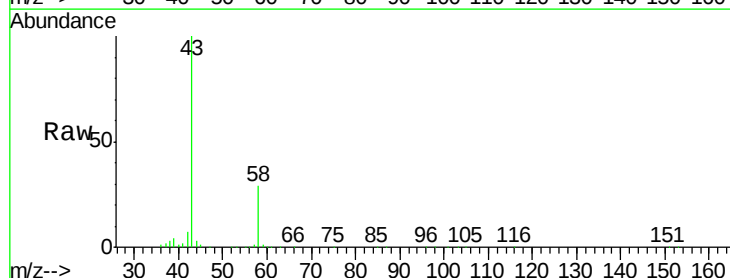
Manual Integrations
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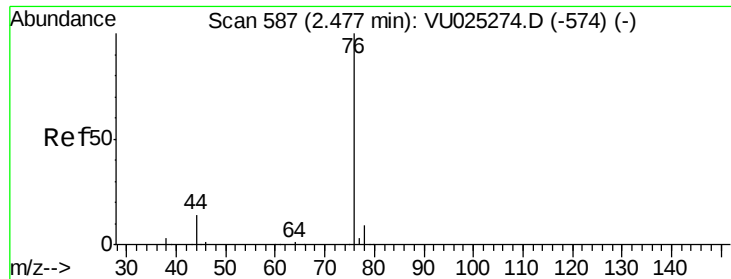
MMDadoda
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#16
Acetone
Concen: 219.097 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion:	43	Resp:	276989
Ion Ratio	Lower	Upper	
43	100		
58	29.2	23.1	34.7





#17

Carbon Disulfide

Concen: 38.981 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 182558

Ion Ratio Lower Upper

76 100

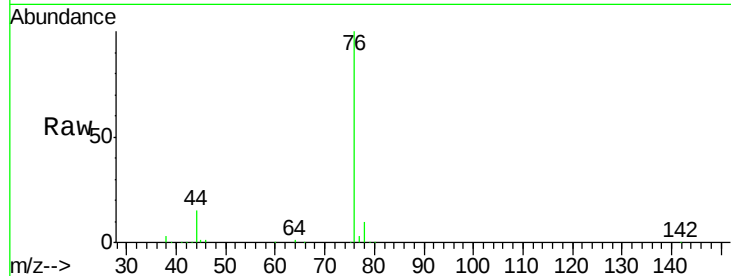
78 9.8 7.4 11.2

Manual Integrations

APPROVED

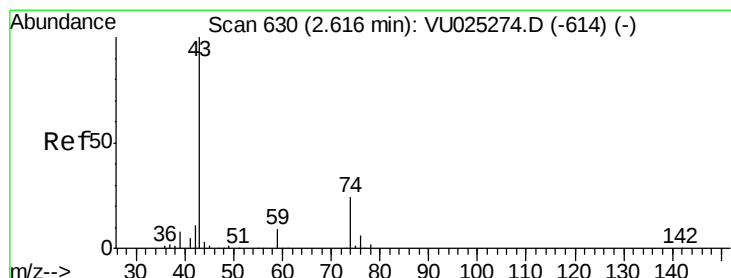
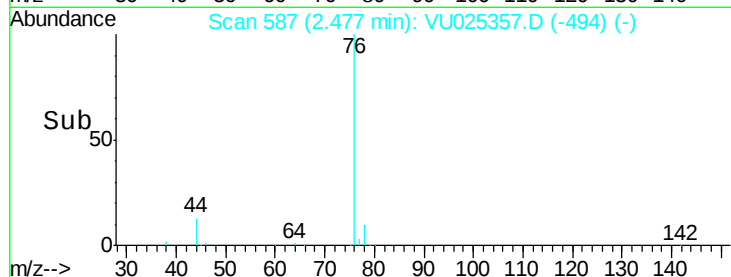
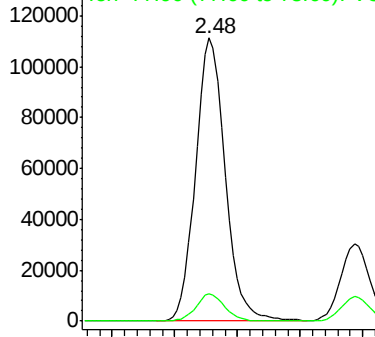
MMDadoda

7/13/2018 11:44:19 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 60.147 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025357.D

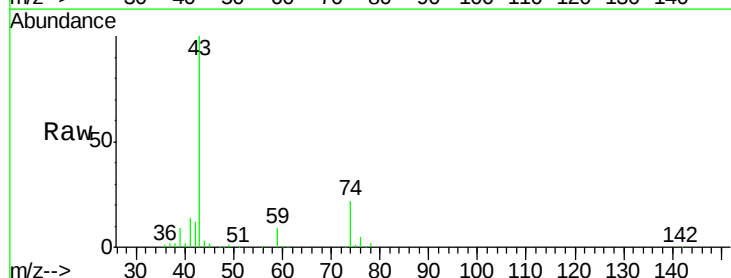
Acq: 12 Jul 2018 22:23

Tgt Ion: 43 Resp: 152997

Ion Ratio Lower Upper

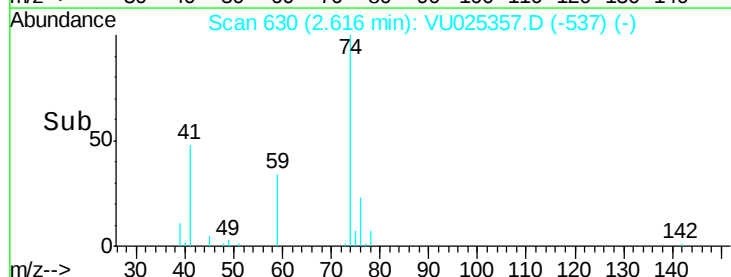
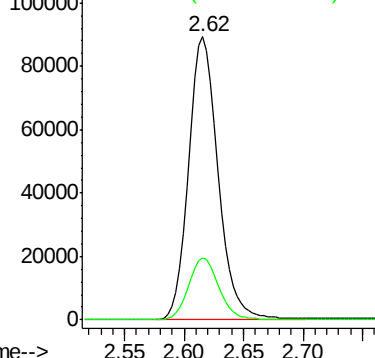
43 100

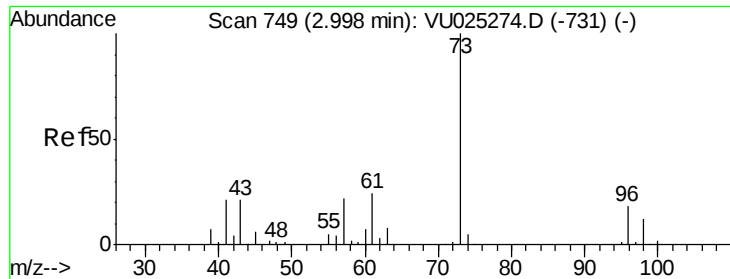
74 22.6 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





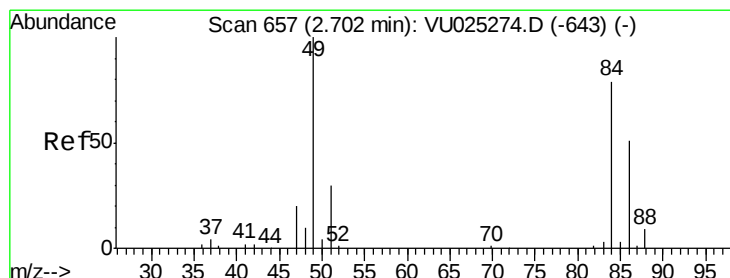
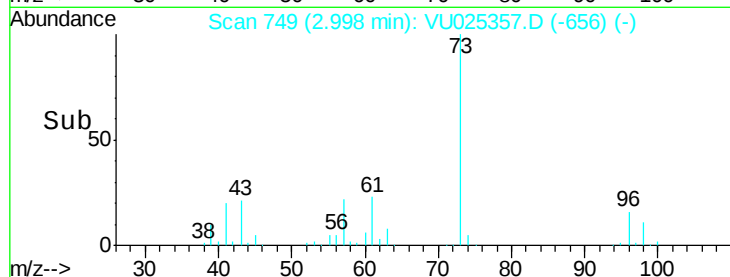
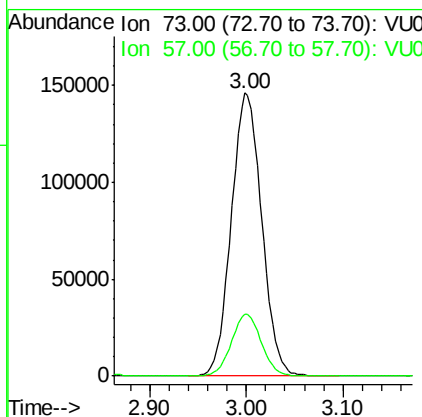
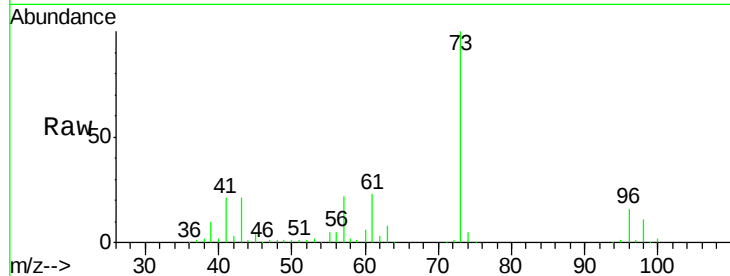
#19
Methvl tert-butvl Ether
Concen: 51.786 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 319302
Ion Ratio Lower Upper
73 100
57 21.9 17.4 26.2

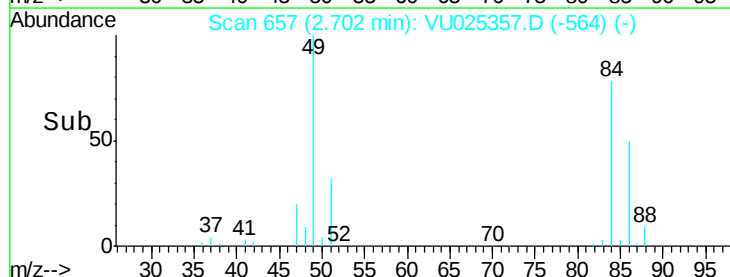
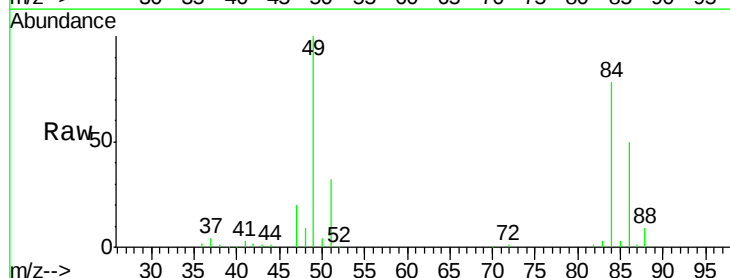
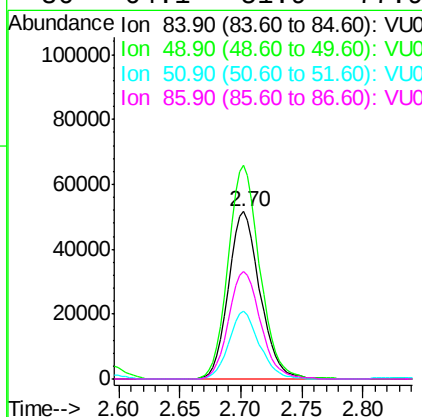
Manual Integrations
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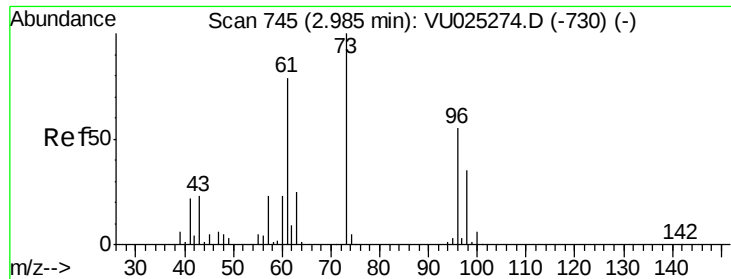
MMDadoda
7/13/2018 11:44:19 AM



#20
Methylene Chloride
Concen: 48.604 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 84 Resp: 93382
Ion Ratio Lower Upper
84 100
49 127.6 101.8 152.6
51 40.2 30.8 46.2
86 64.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.305 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

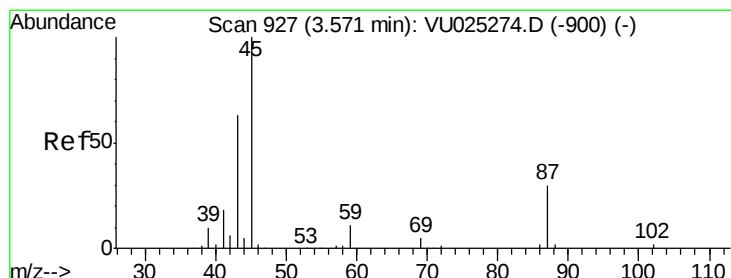
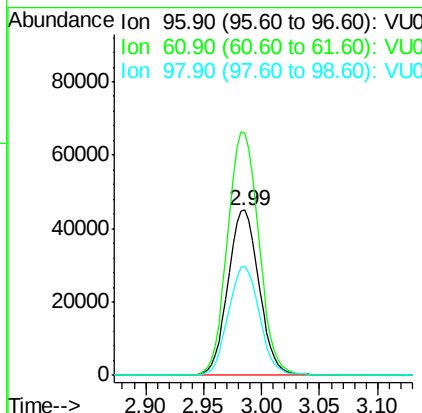
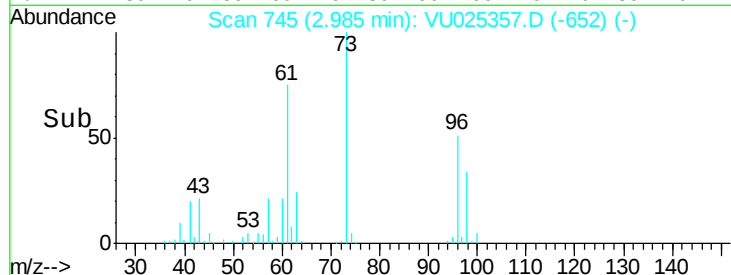
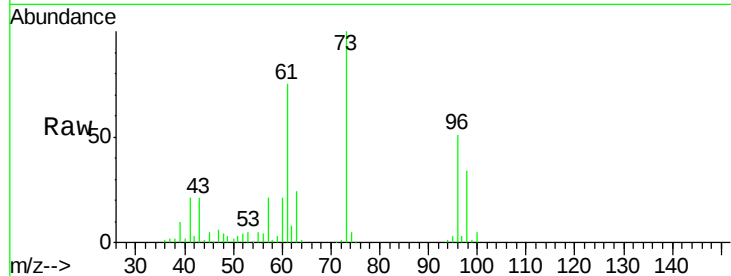
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	83924
Ion	Ratio	Lower	Upper
96	100		
61	146.2	114.5	171.7
98	65.8	50.5	75.7

Manual Integrations
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MMDadoda
7/13/2018 11:44:19 AM



#22

Diisopropyl ether

Concen: 50.987 ug/l

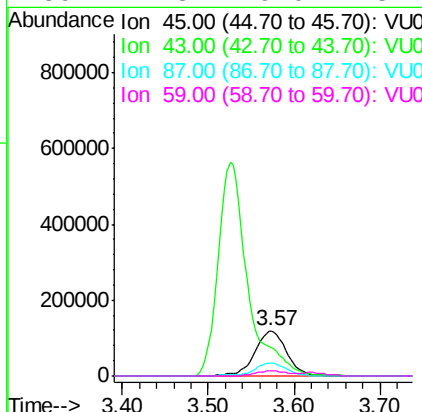
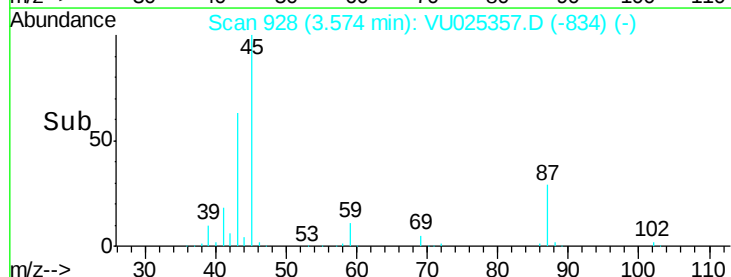
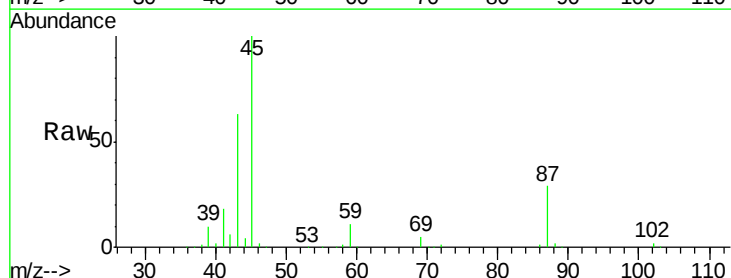
RT: 3.57 min Scan# 928

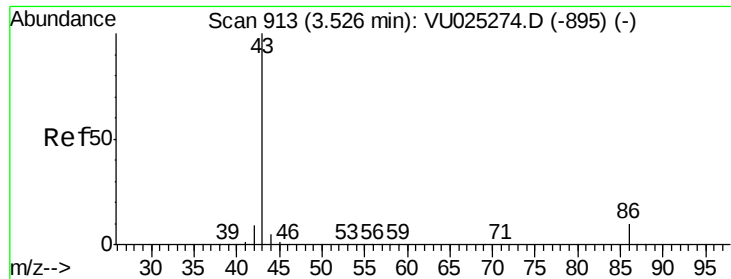
Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	45	Resp:	306105
Ion	Ratio	Lower	Upper
45	100		
43	63.0	50.9	76.3
87	28.9	23.8	35.8
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 257.546 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1356394

Ion Ratio Lower Upper

43 100

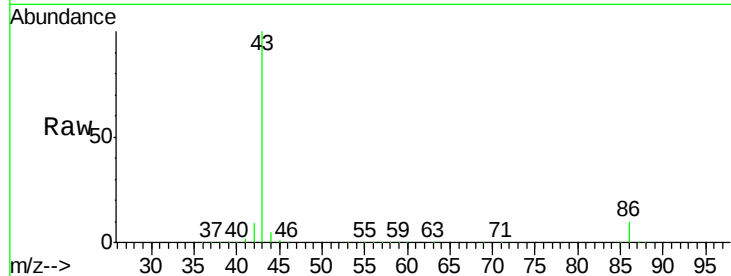
86 10.2 8.2 12.2

Manual Integrations

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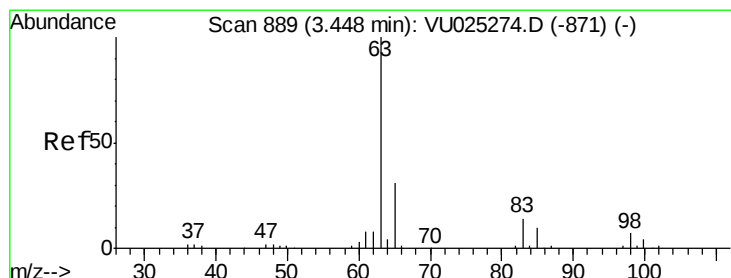
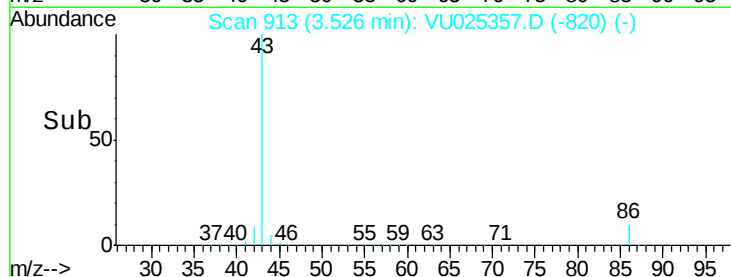
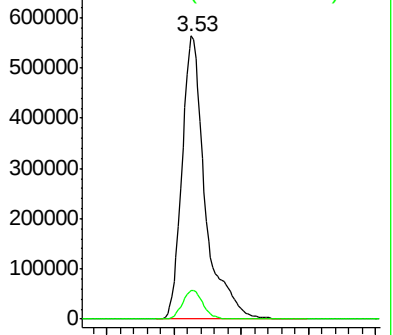
MMDadoda

7/13/2018 11:44:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 51.080 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

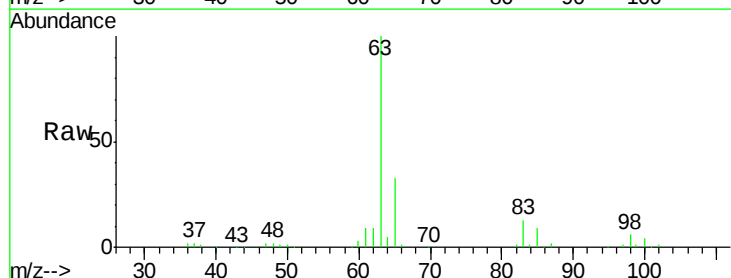
Tgt Ion: 63 Resp: 172950

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

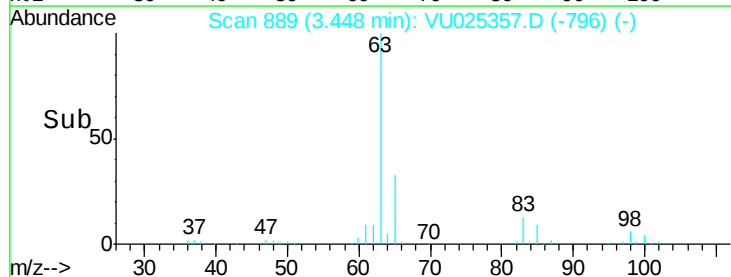
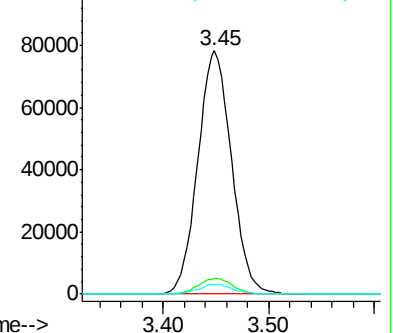
100 4.1 2.0 6.0

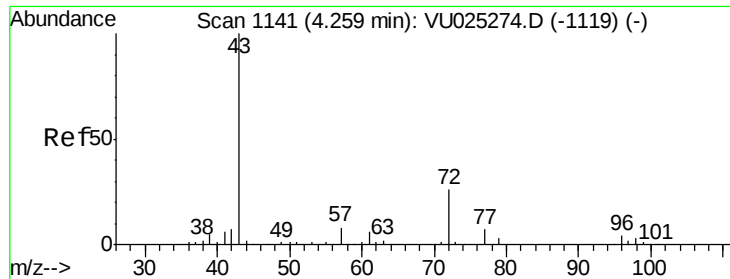


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





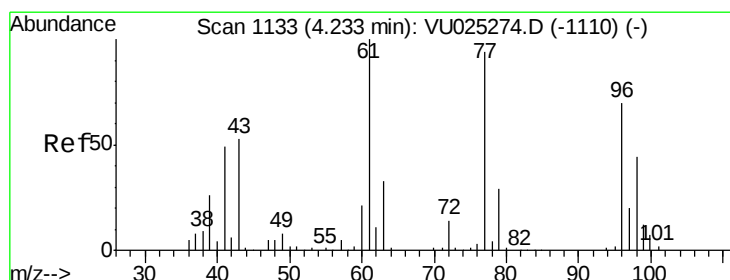
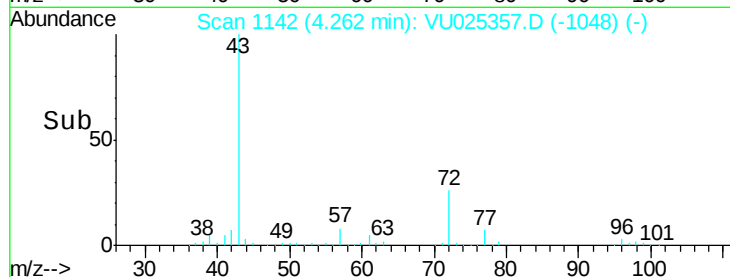
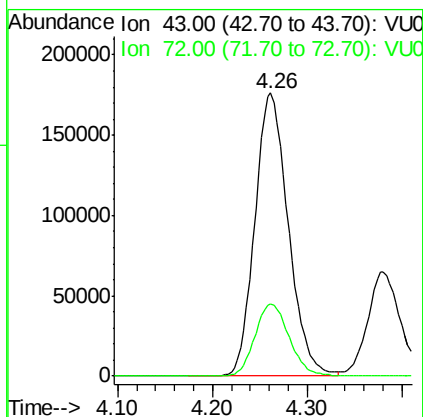
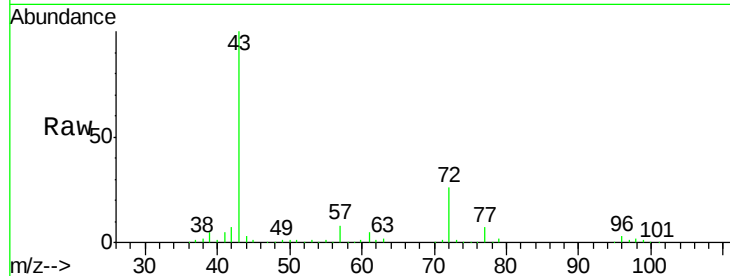
#25
2-Butanone
Concen: 250.504 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 431376
Ion Ratio Lower Upper
43 100
72 25.7 21.0 31.4

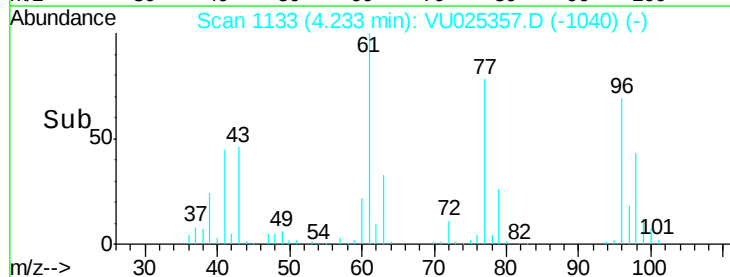
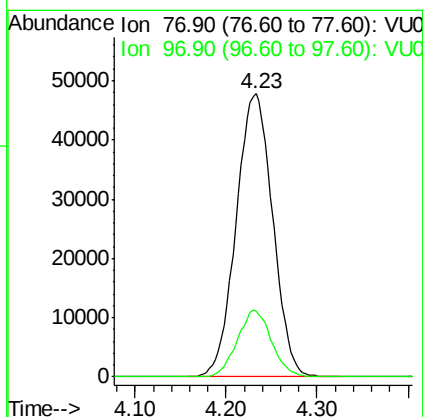
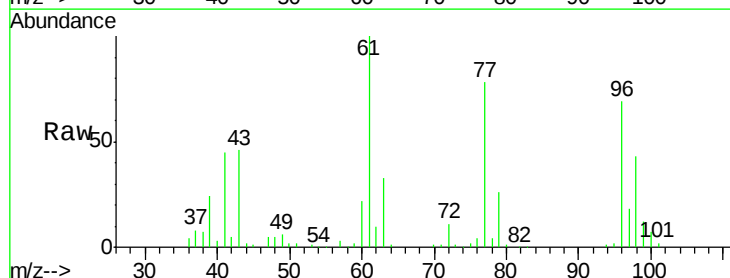
Manual Integrations
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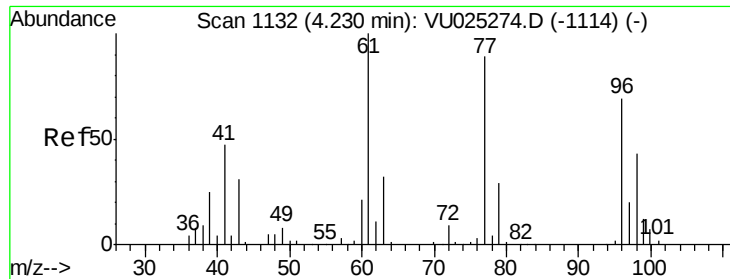
MMDadoda
7/13/2018 11:44:19 AM



#26
2,2-Dichloropropane
Concen: 40.954 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 77 Resp: 133329
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 48.690 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 104357

Ion Ratio Lower Upper

96 100

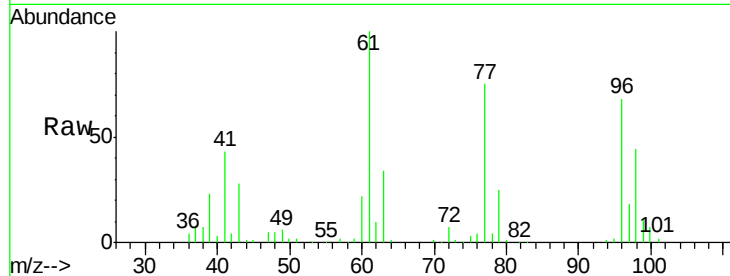
61 149.3 0.0 299.8

98 64.3 0.0 128.6

Manual Integrations
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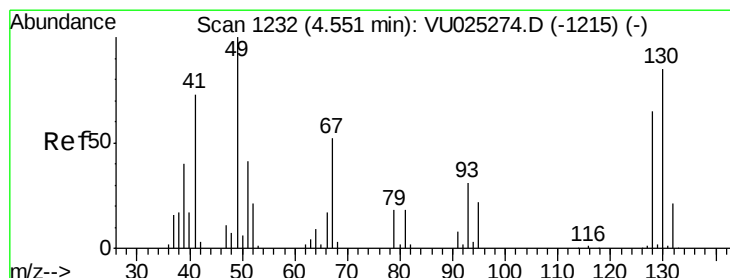
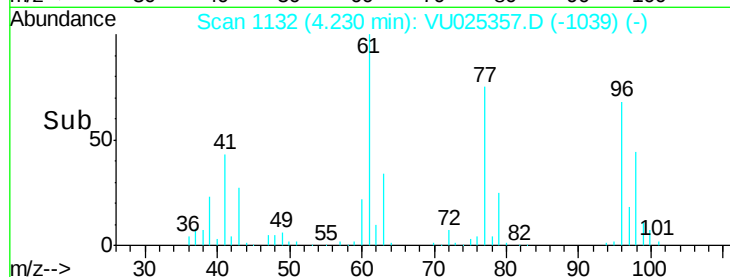
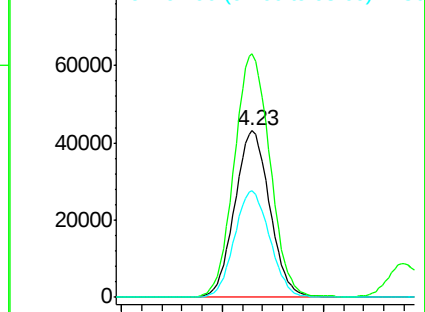
7/13/2018 11:44:19 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 51.155 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

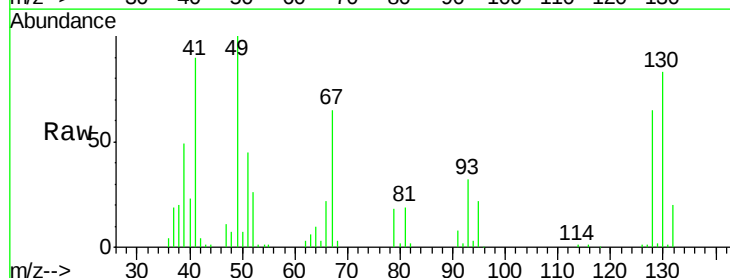
Tgt Ion: 49 Resp: 83638

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

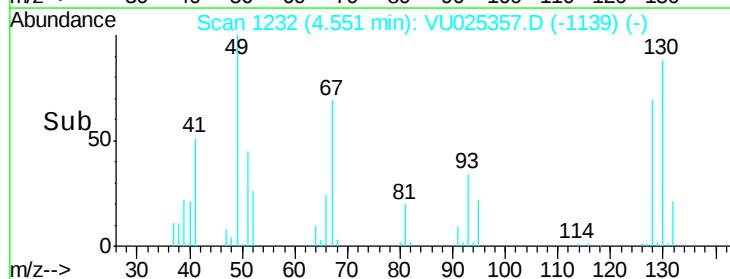
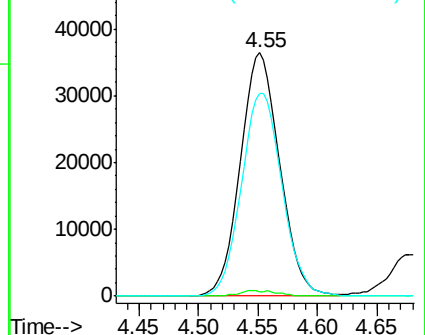
130 86.0 68.6 102.8

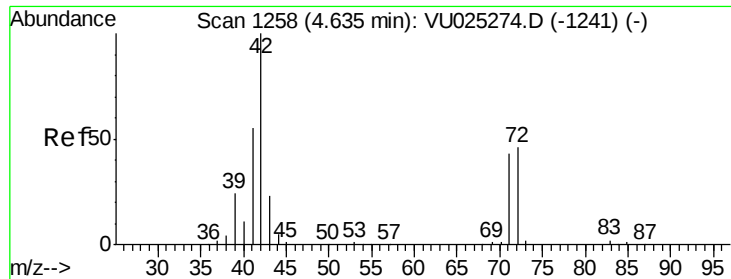


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





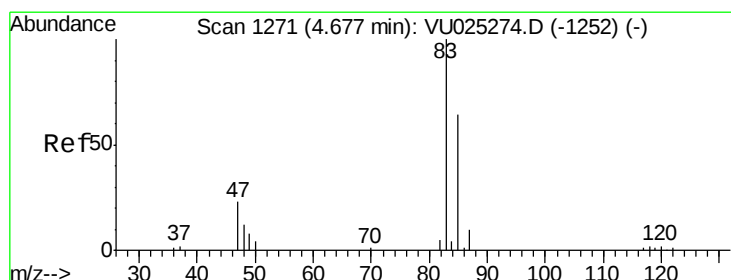
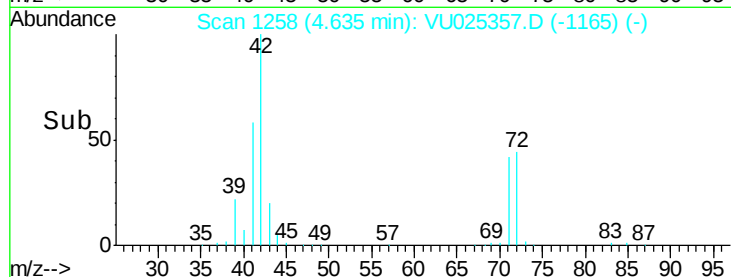
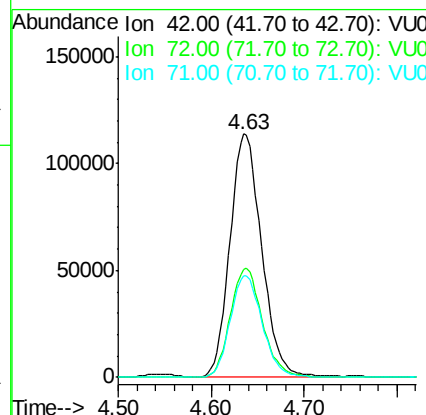
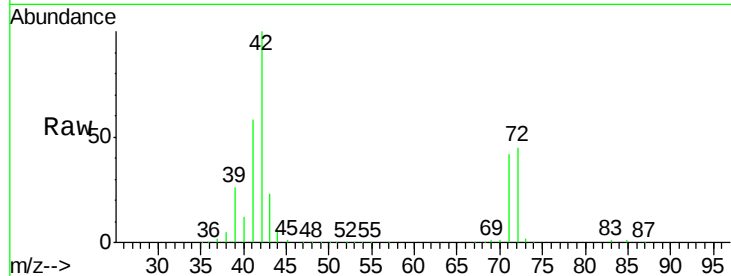
#29
Tetrahydrofuran
Concen: 260.712 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.7	55.1
71	42.2	33.9	50.9

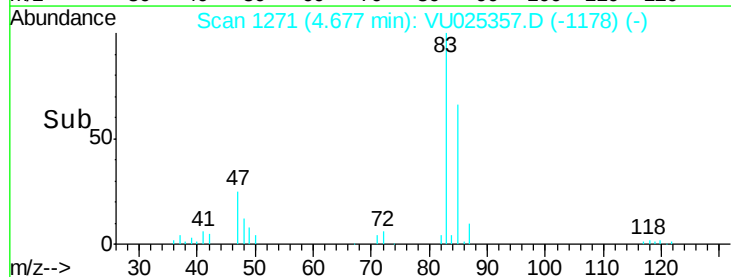
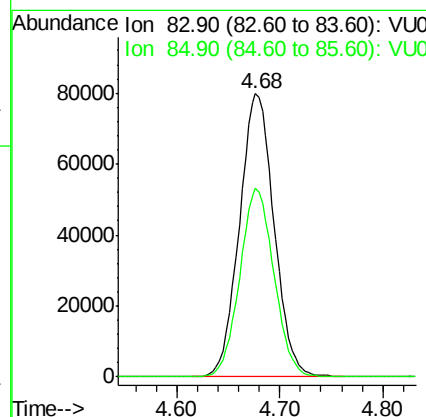
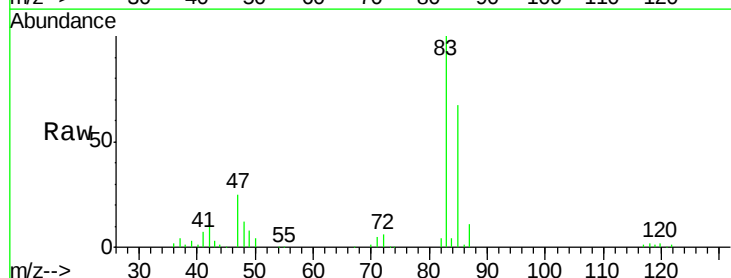
Manual Integrations
APPROVED

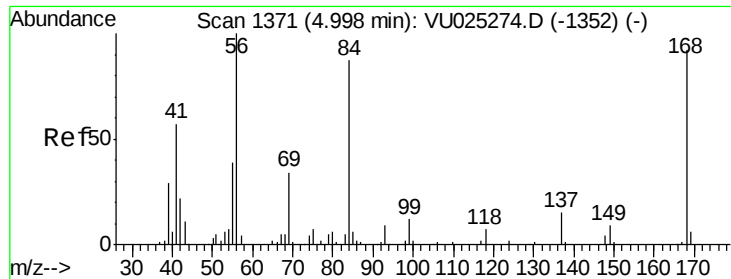
MMDadoda
7/13/2018 11:44:19 AM



#30
Chloroform
Concen: 51.928 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.5	77.3





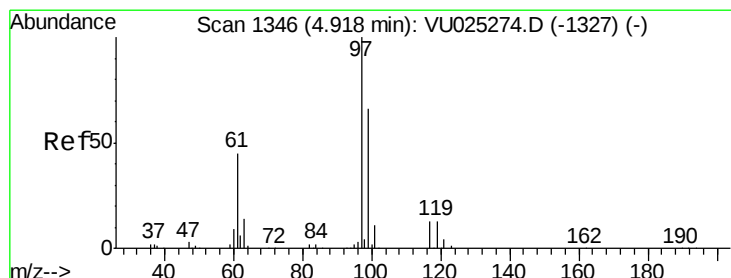
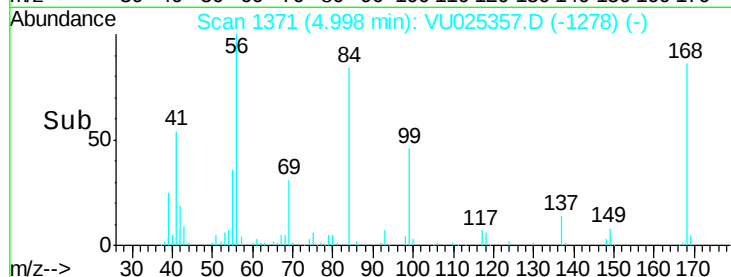
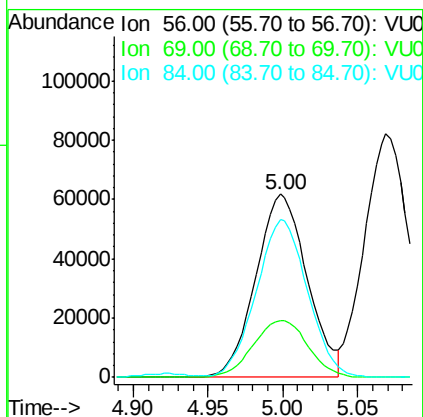
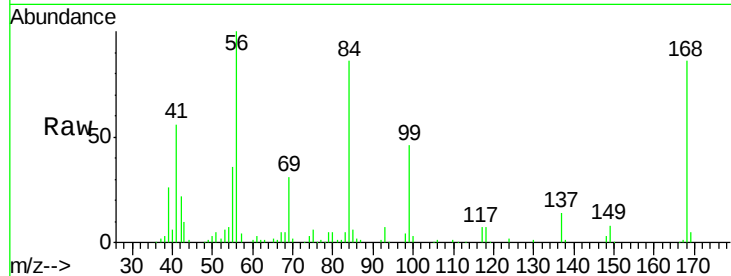
#31
Cyclohexane
Concen: 47.102 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.8	40.2
84	84.6	69.7	104.5

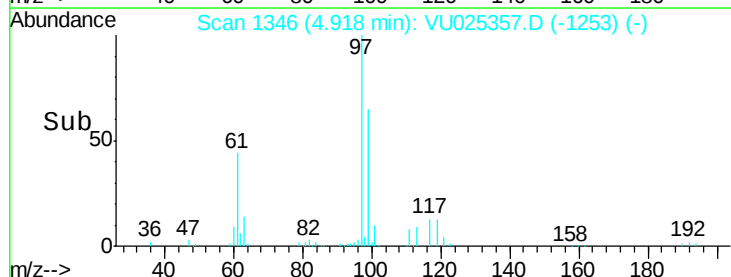
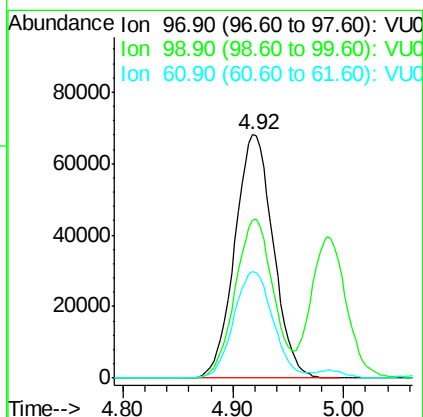
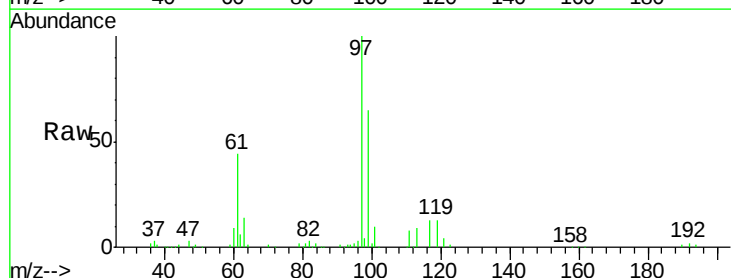
Manual Integrations
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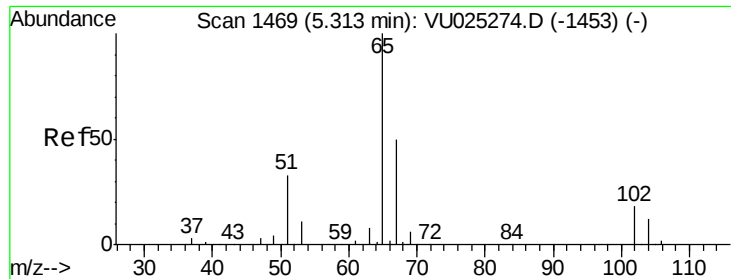
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#32
1,1,1-Trichloroethane
Concen: 50.462 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	44.9	35.2	52.8





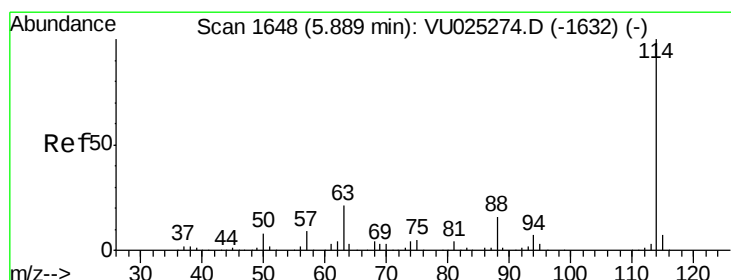
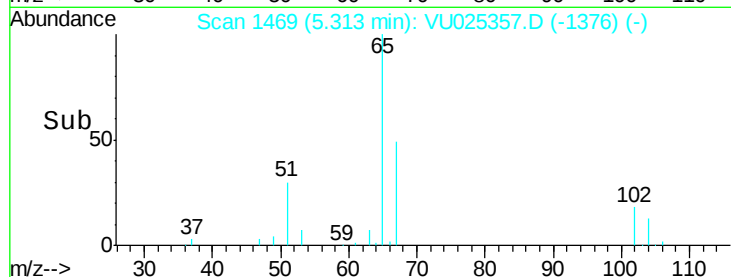
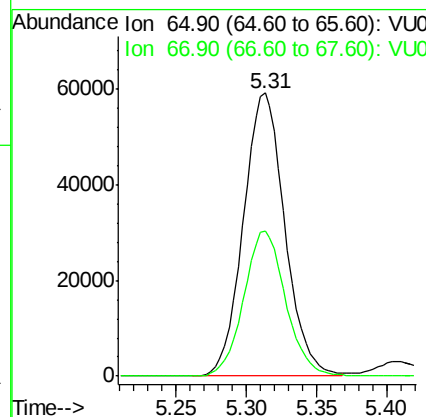
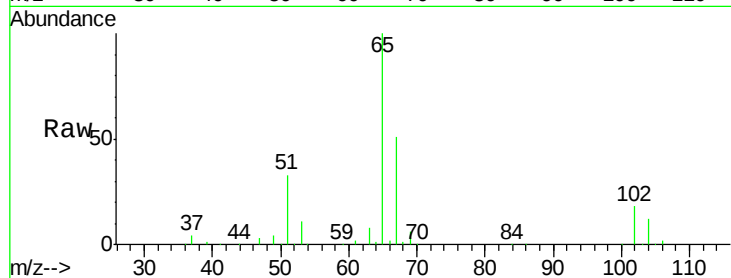
#33
 1,2-Dichloroethane-d4
 Concen: 48.996 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6

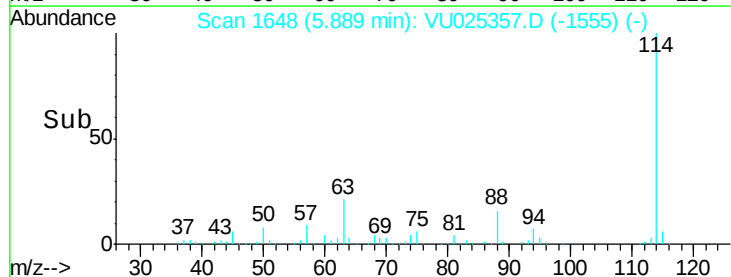
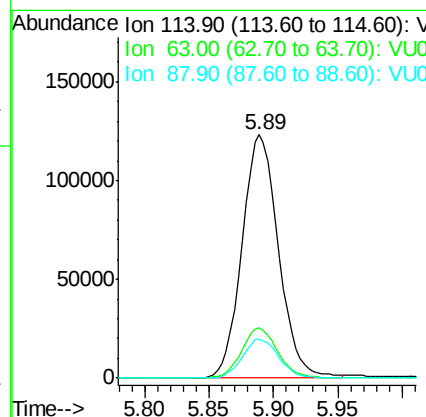
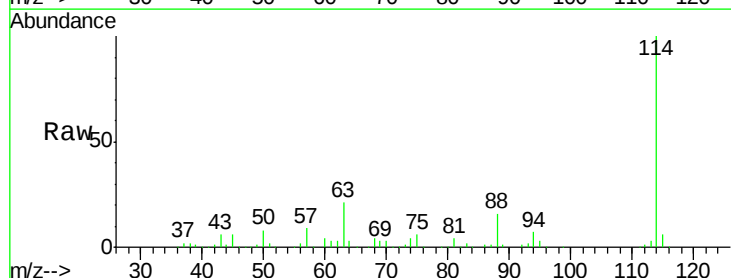
Manual Integrations
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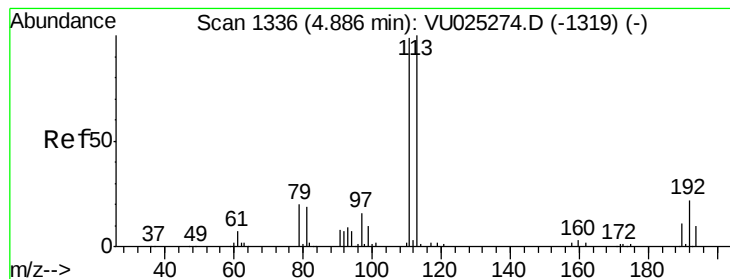
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 7/13/2018 11:44:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.6
88	16.2	0.0	32.4





#35

Dibromofluoromethane

Concen: 49.401 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

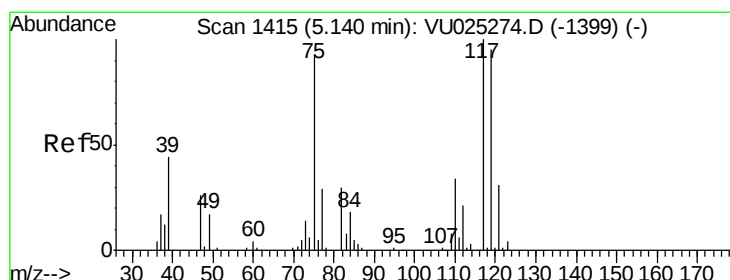
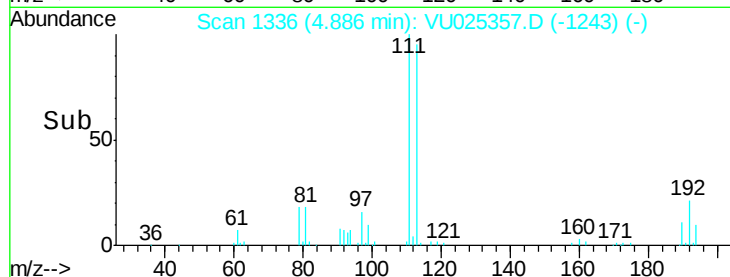
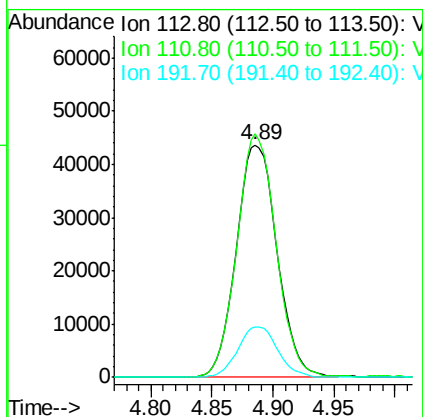
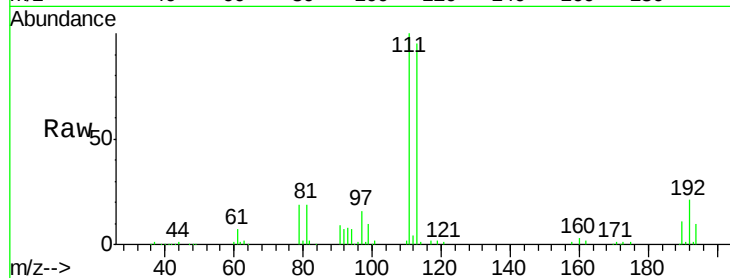
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	101011
Ion Ratio	Lower	Upper	
113	100		
111	100.6	81.7	122.5
192	21.3	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 46.862 ug/l

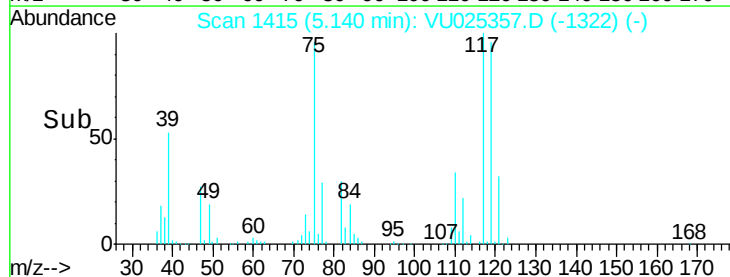
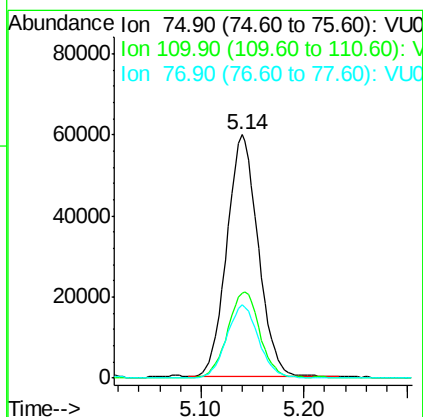
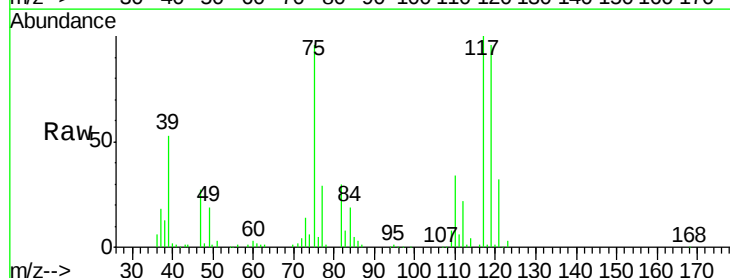
RT: 5.14 min Scan# 1415

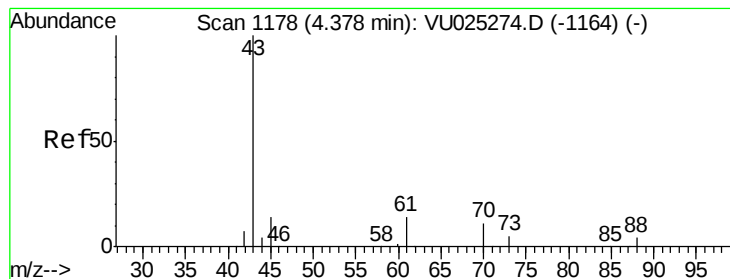
Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	75	Resp:	126278
Ion Ratio	Lower	Upper	
75	100		
110	36.7	17.6	52.9
77	31.0	24.4	36.6





#37

Ethyl Acetate

Concen: 51.470 ug/l

RT: 4.38 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

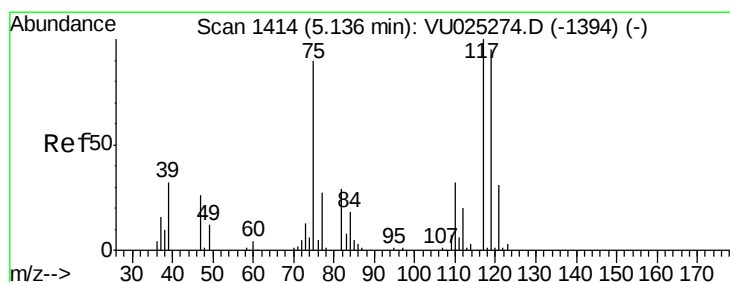
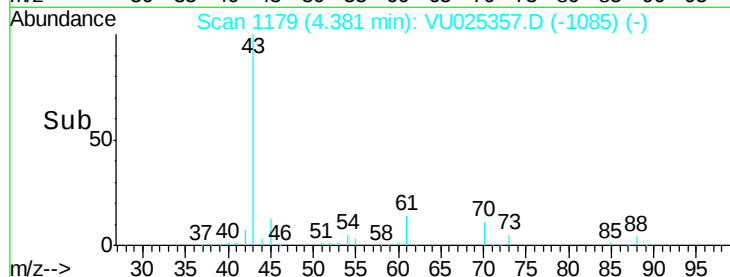
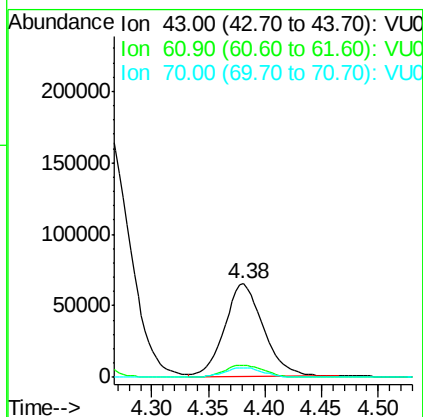
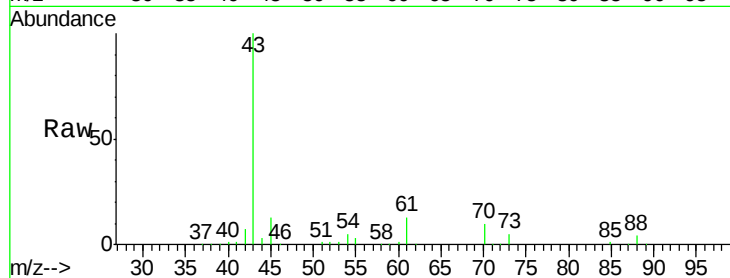
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	154676
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.8	8.4	12.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.733 ug/l

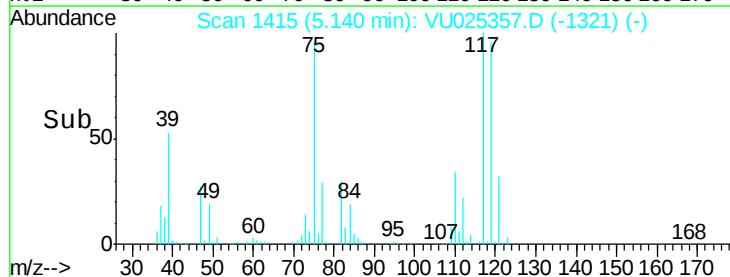
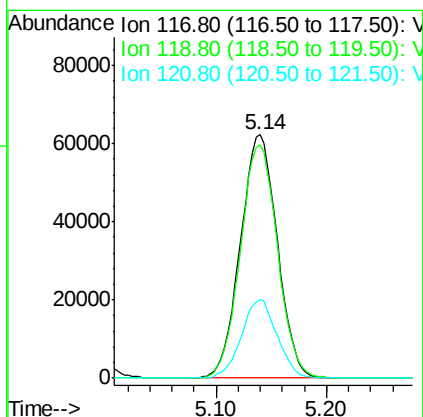
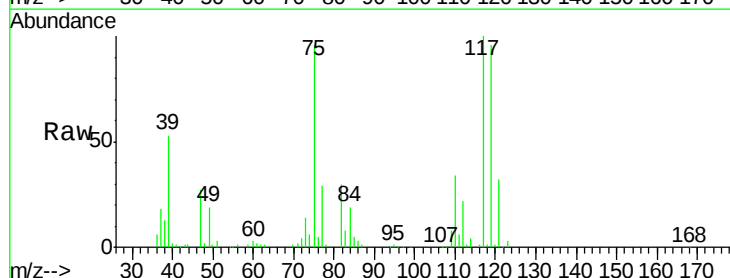
RT: 5.14 min Scan# 1415

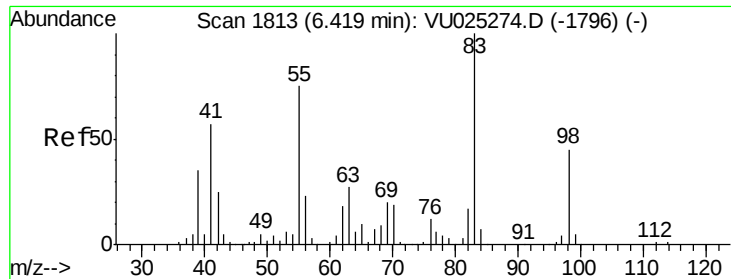
Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	117	Resp:	144245
Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	32.3	24.6	36.8





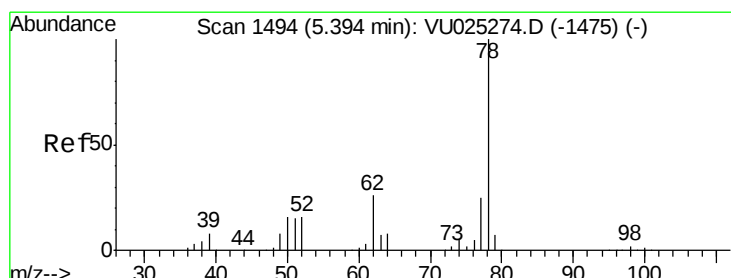
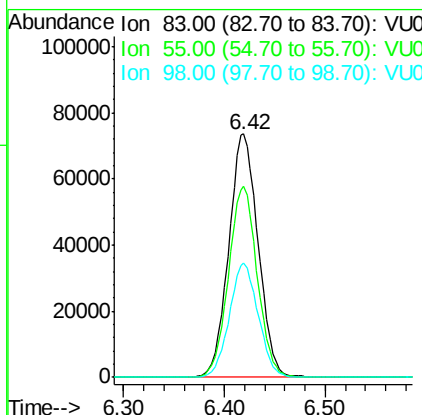
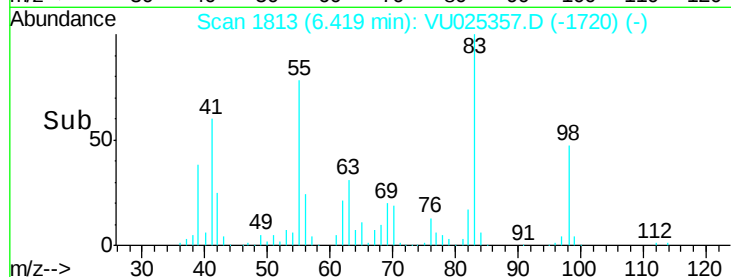
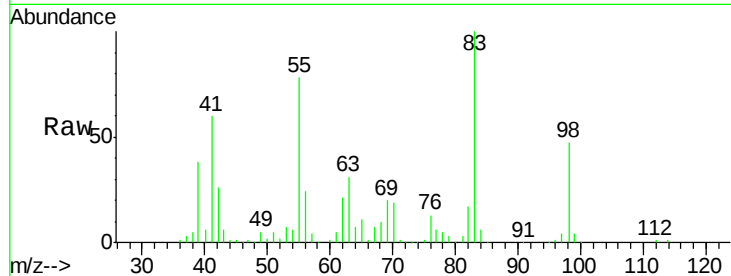
#39
Methylvlcvclohexane
Concen: 44.272 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.3	60.0	90.0	
98	47.1	36.1	54.1	

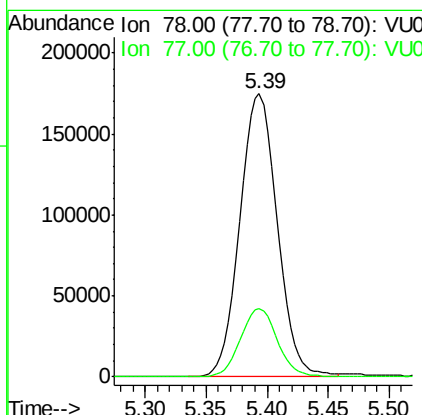
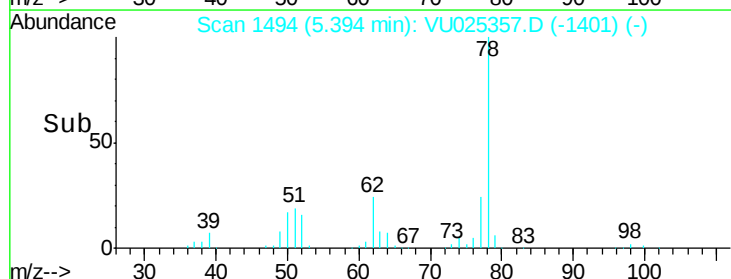
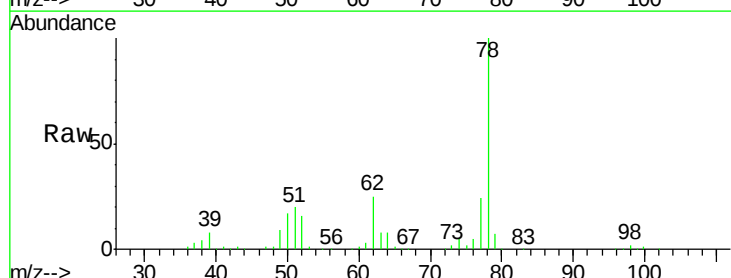
Manual Integrations
APPROVED

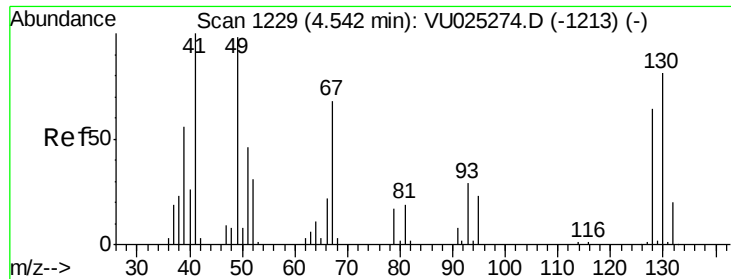
MMDadoda
7/13/2018 11:44:19 AM



#40
Benzene
Concen: 47.737 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.8	29.6	





#41

Methacrylonitrile

Concen: 52.292 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

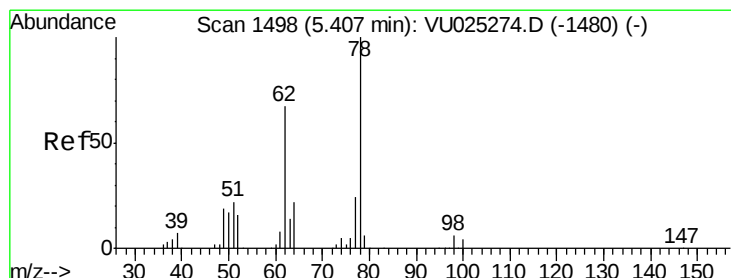
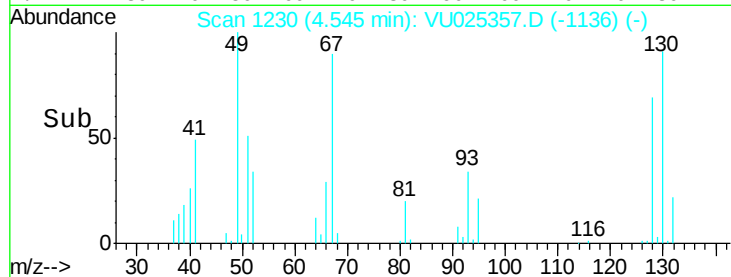
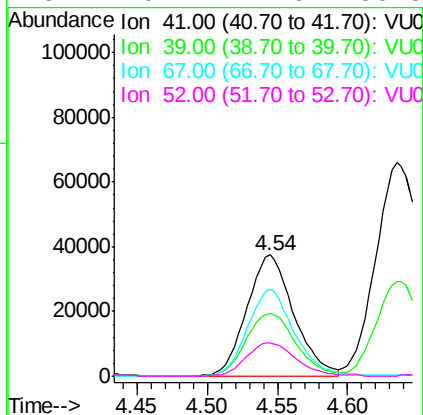
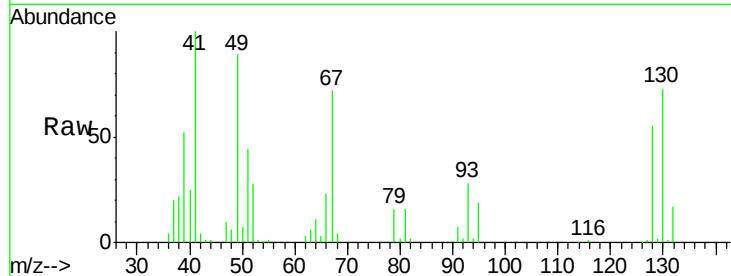
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	44.4	66.6	
67	72.1	56.0	84.0	
52	29.7	24.6	36.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.603 ug/l

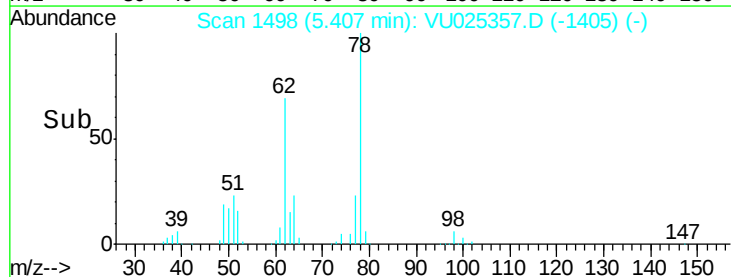
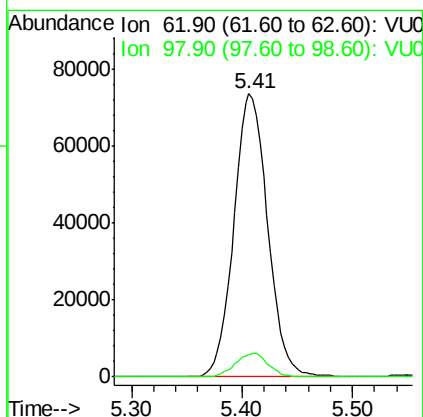
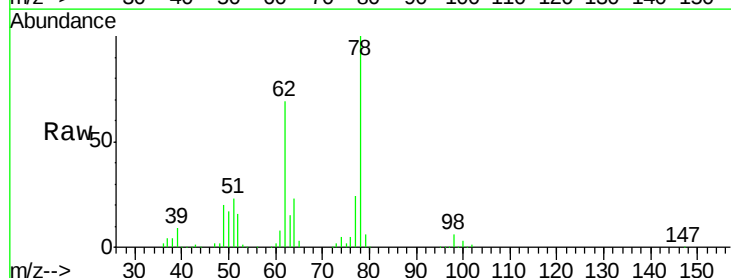
RT: 5.41 min Scan# 1498

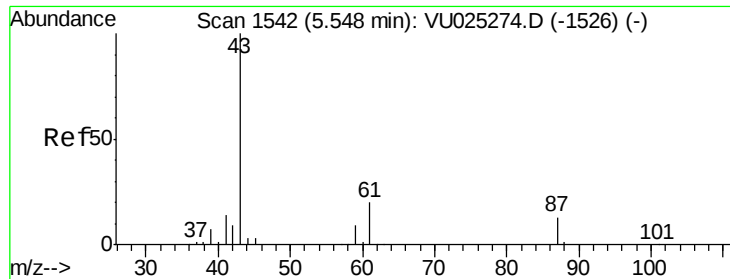
Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





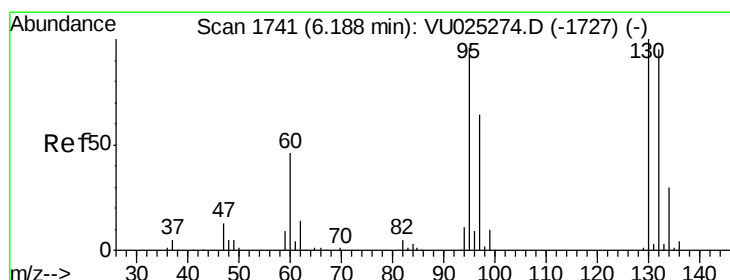
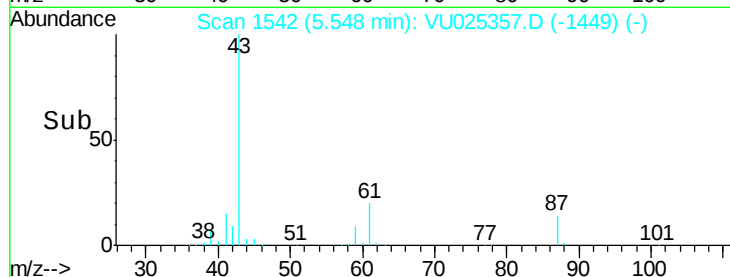
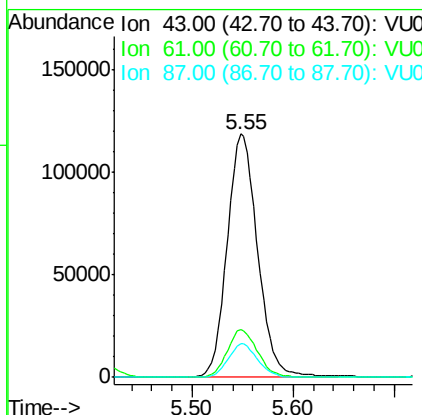
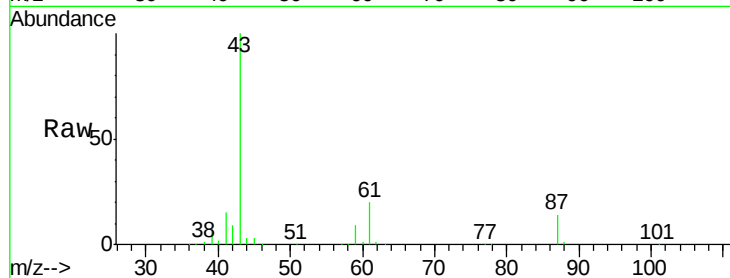
#43
Isopropyl Acetate
Concen: 51.658 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.5	23.3
87	13.3	10.6	16.0

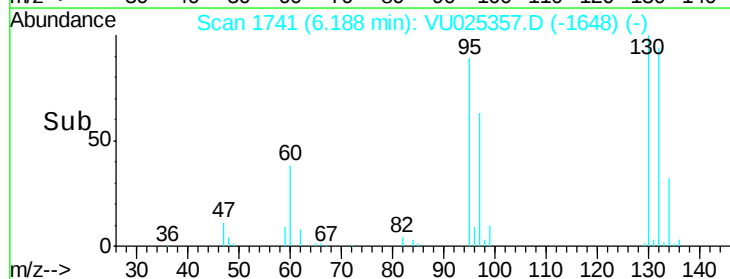
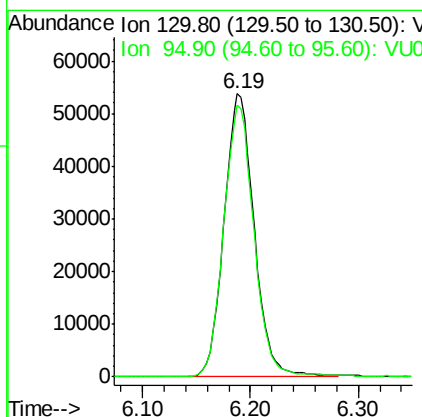
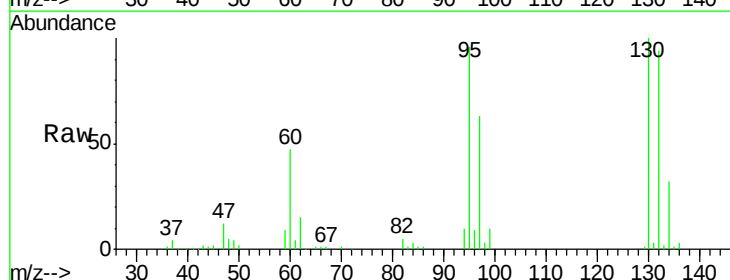
Manual Integrations
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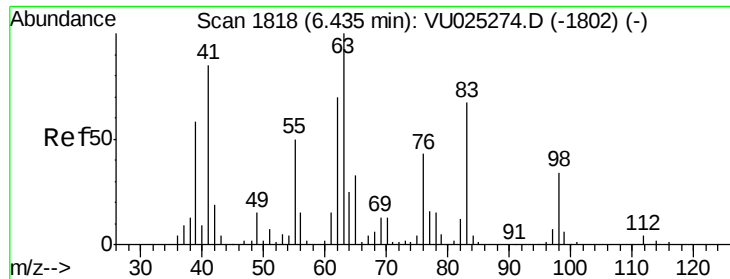
MMDadoda
7/13/2018 11:44:19 AM



#44
Trichloroethene
Concen: 46.912 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.2





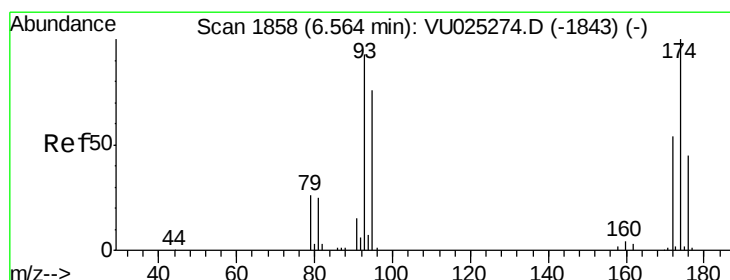
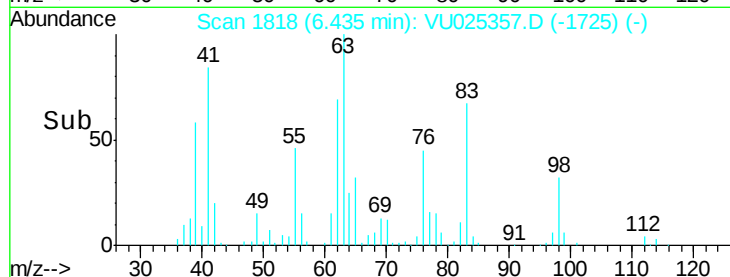
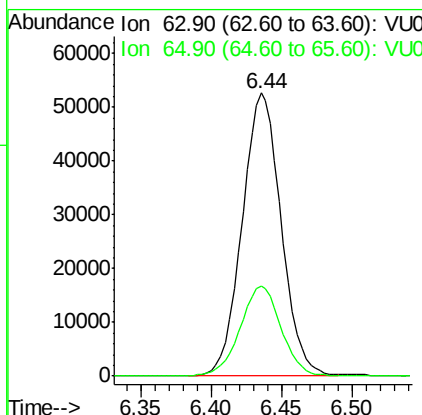
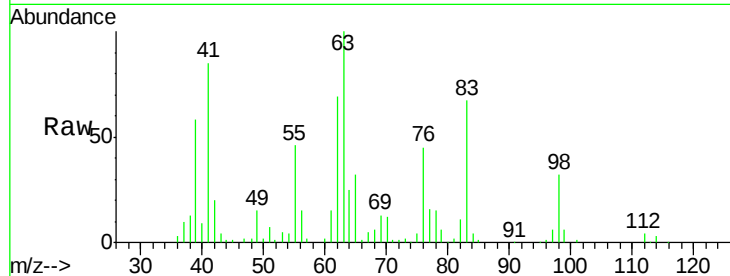
#45
 1,2-Dichloropropane
 Concen: 50.105 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 101910
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.1 39.1

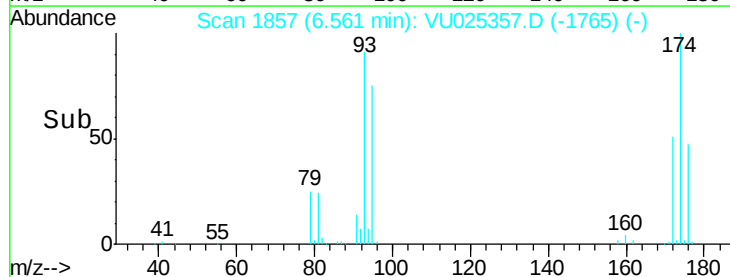
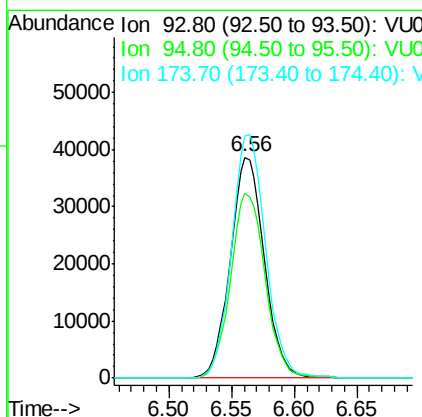
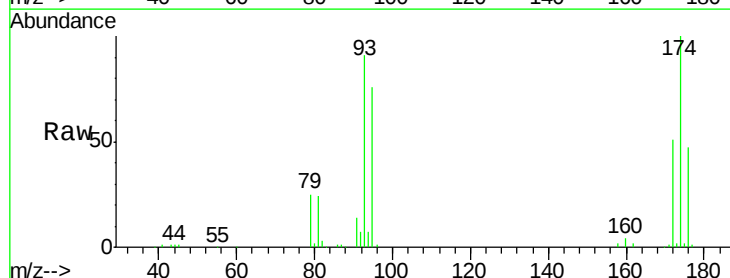
Manual Integrations
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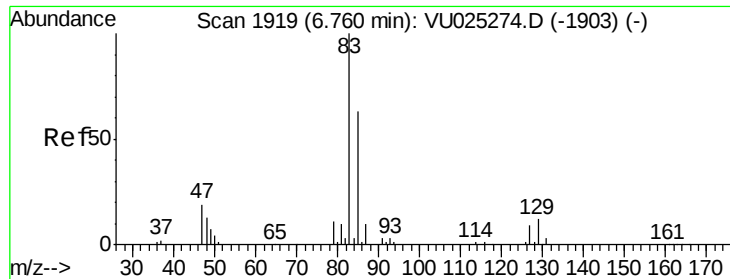
MMDadoda
 7/13/2018 11:44:19 AM



#46
 Dibromomethane
 Concen: 49.260 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 93 Resp: 72914
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.6 100.0
 174 110.1 85.8 128.8





#47

Bromodichloromethane

Concen: 51.310 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

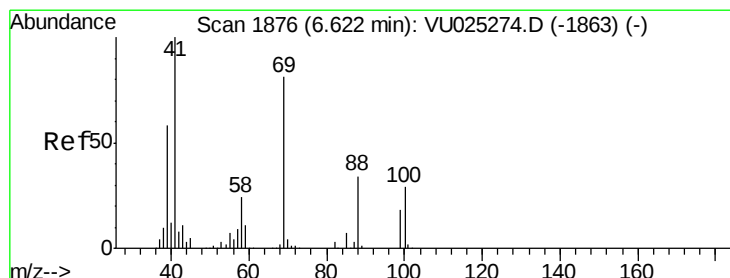
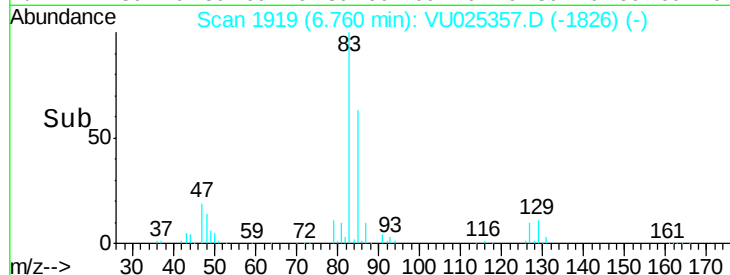
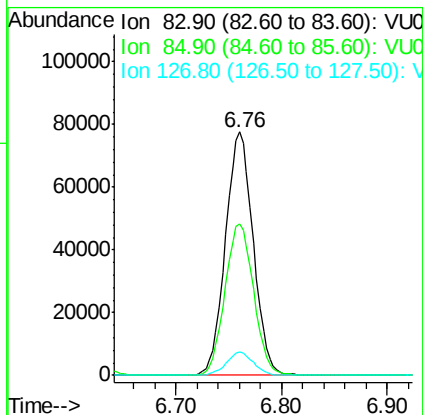
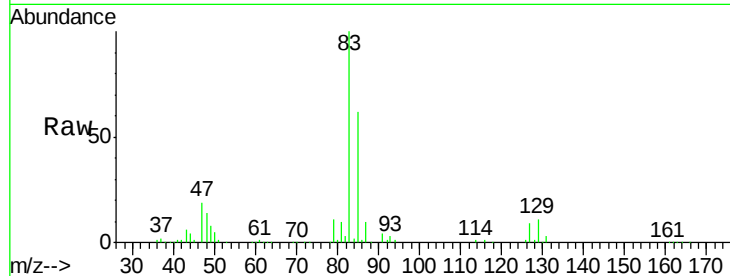
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	141086
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.2	75.4
127	9.5	7.2	10.8

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#48

Methyl methacrylate

Concen: 53.088 ug/l

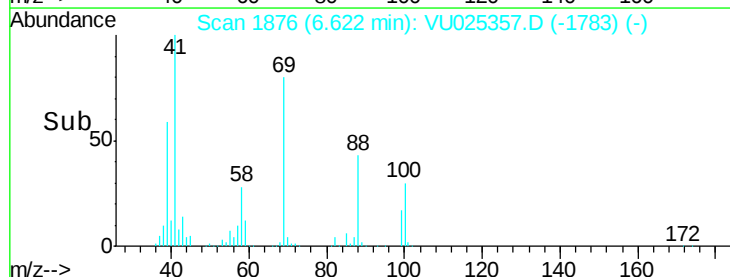
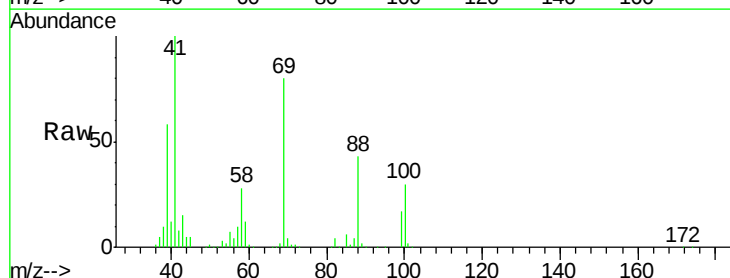
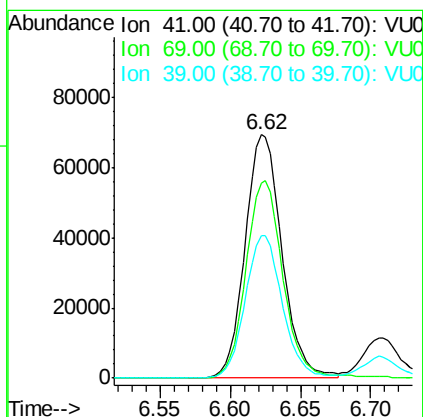
RT: 6.62 min Scan# 1876

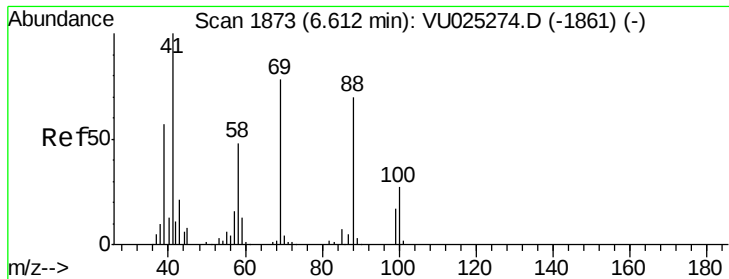
Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	41	Resp:	127365
Ion Ratio	Lower	Upper	
41	100		
69	81.7	65.0	97.4
39	59.0	46.4	69.6





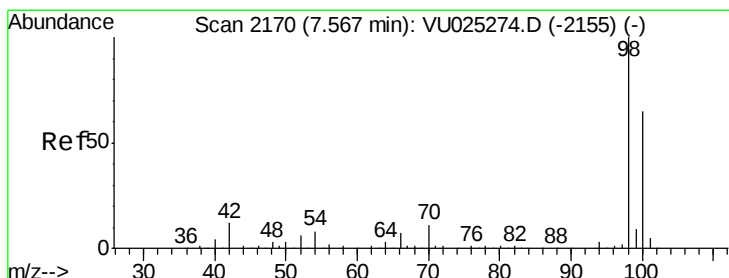
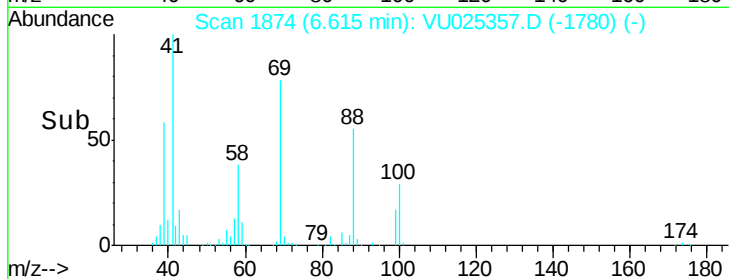
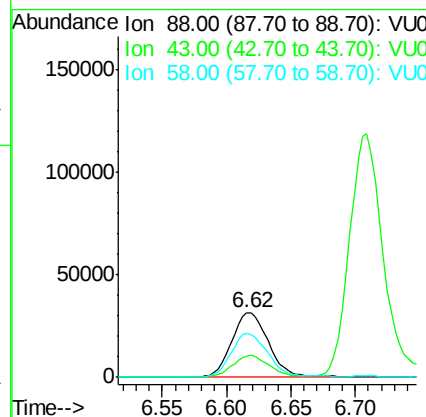
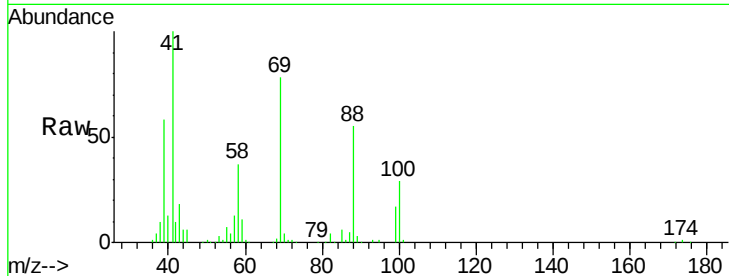
#49
1,4-Dioxane
Concen: 1077.873 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	27.3	40.9
58	68.8	57.6	86.4

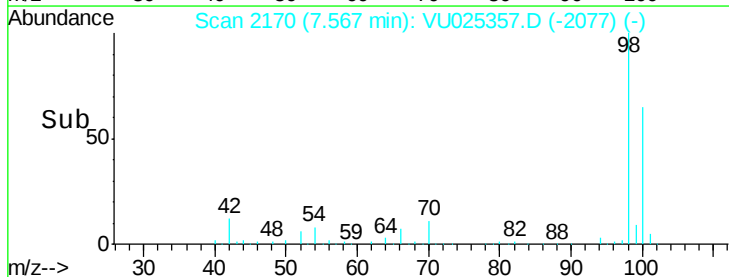
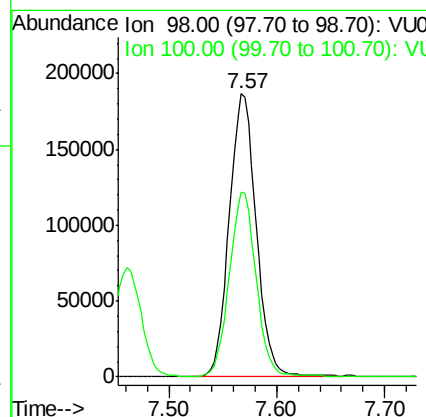
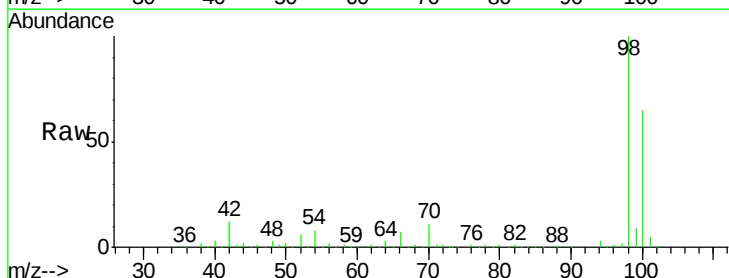
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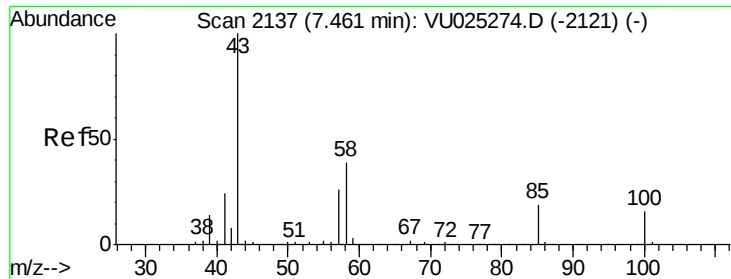
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#50
Toluene-d8
Concen: 46.698 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





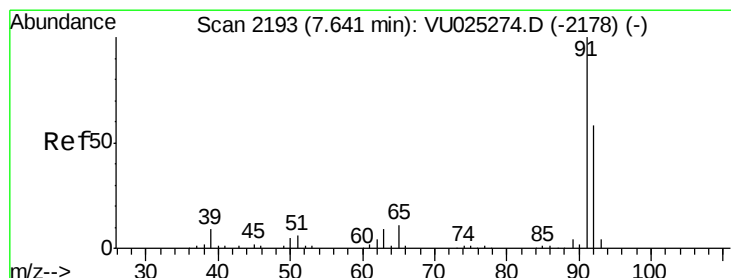
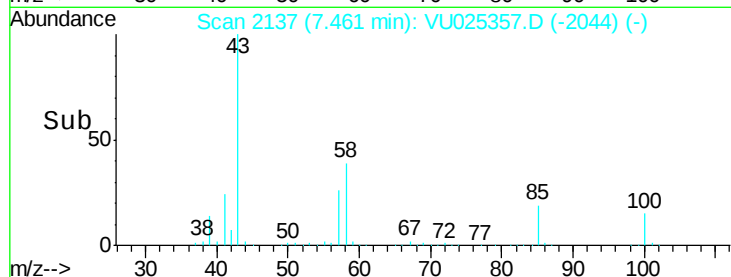
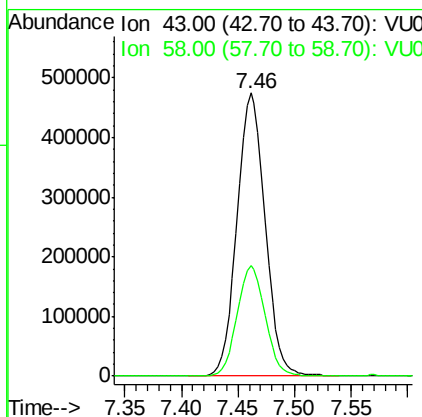
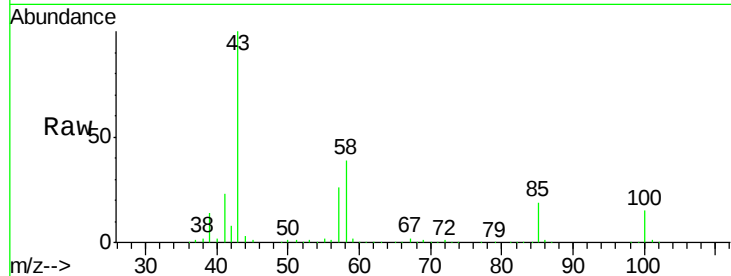
#51
4-Methyl-2-Pentanone
Concen: 263.186 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.0	46.4

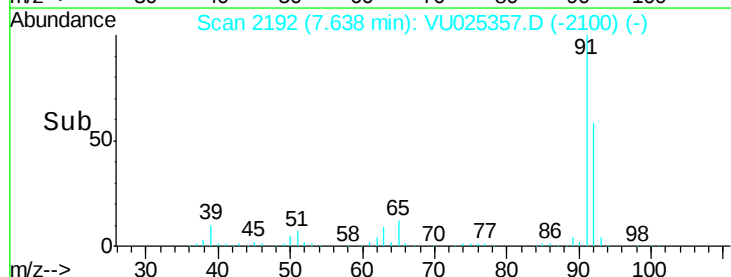
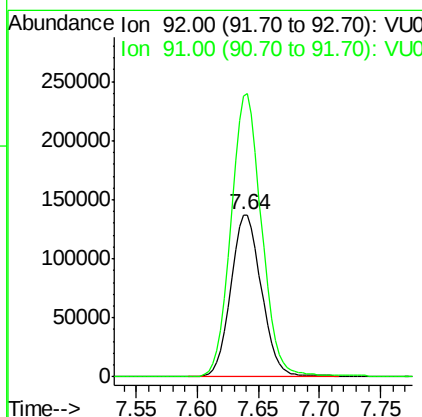
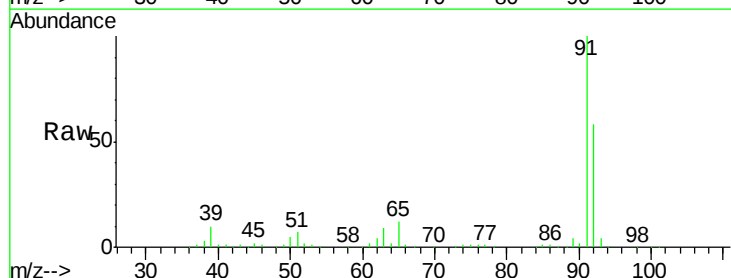
Manual Integrations
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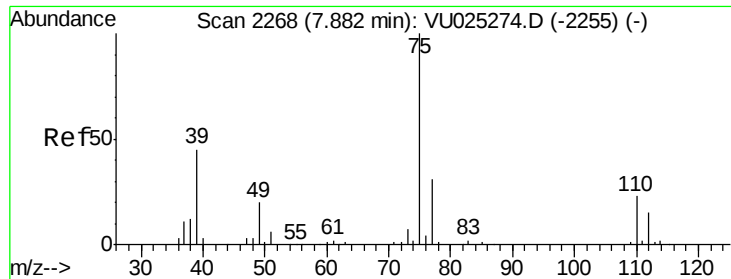
MMDadoda
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#52
Toluene
Concen: 48.920 ug/l
RT: 7.64 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	139.2	208.8





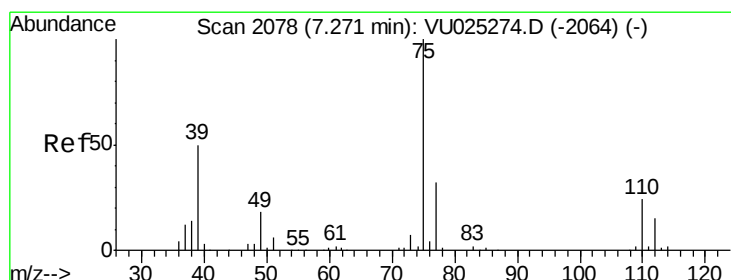
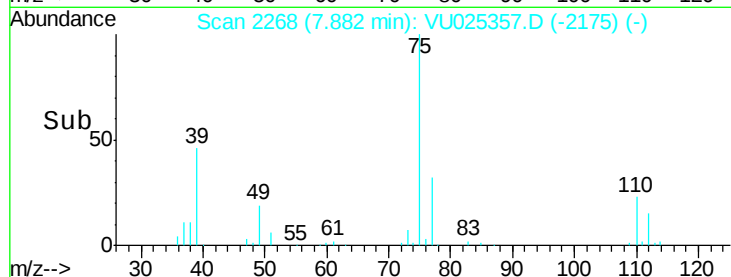
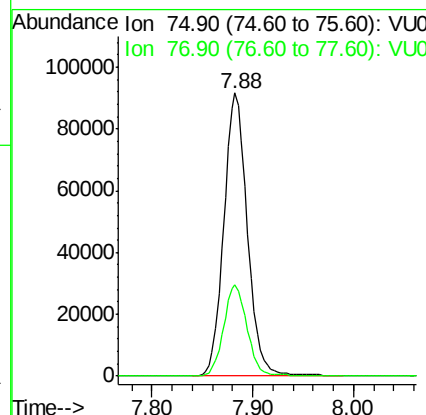
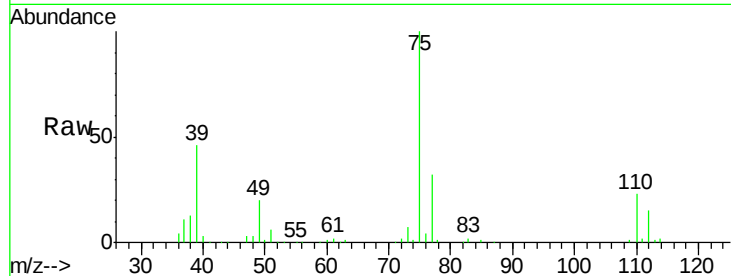
#53
 t-1,3-Dichloropropene
 Concen: 49.606 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 149864
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.5 36.7

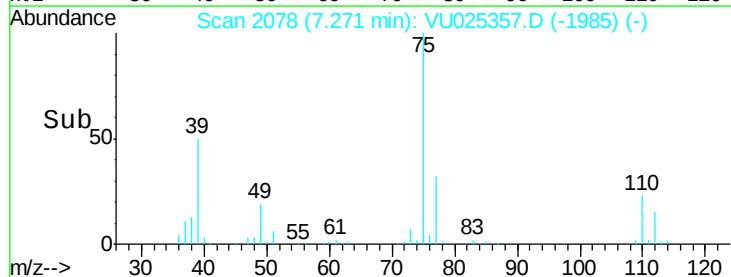
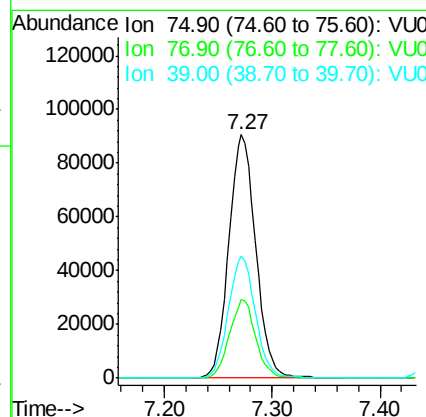
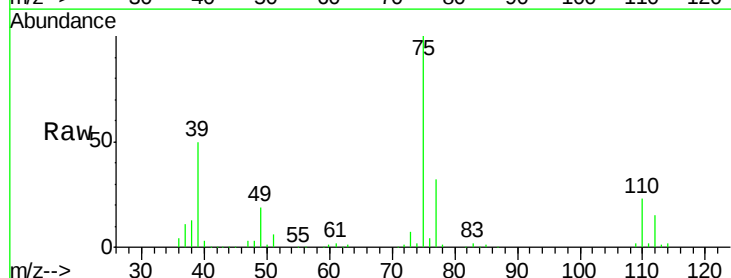
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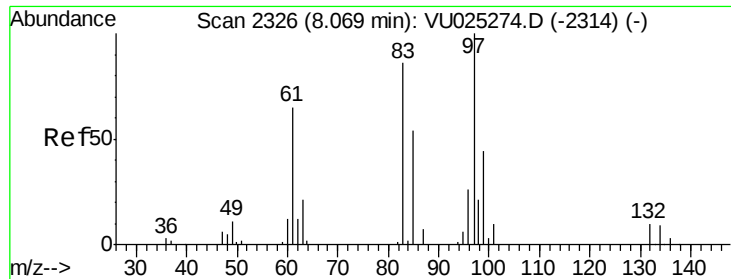
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#54
 cis-1,3-Dichloropropene
 Concen: 49.006 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 75 Resp: 157572
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 49.9 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.852 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

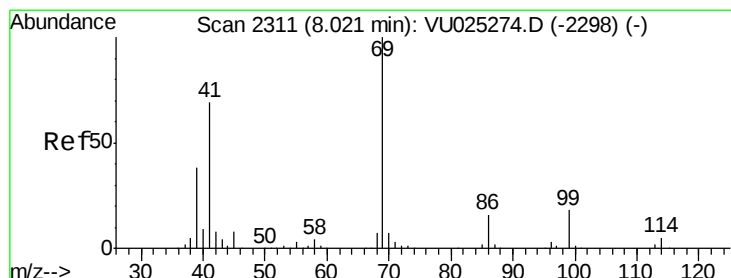
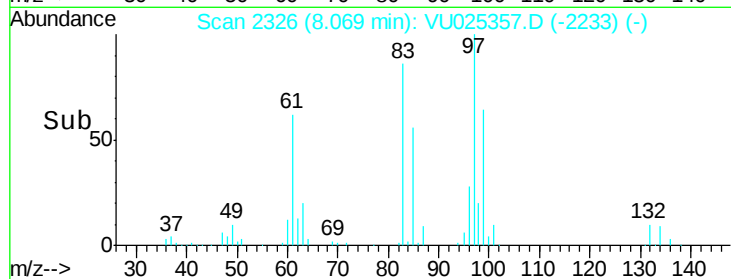
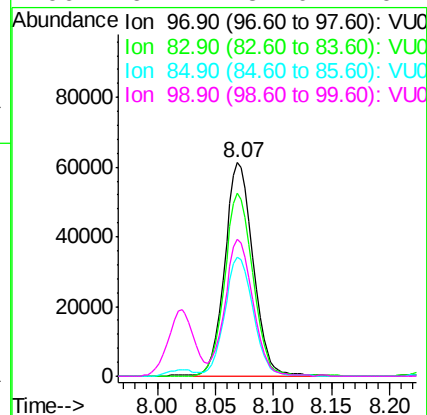
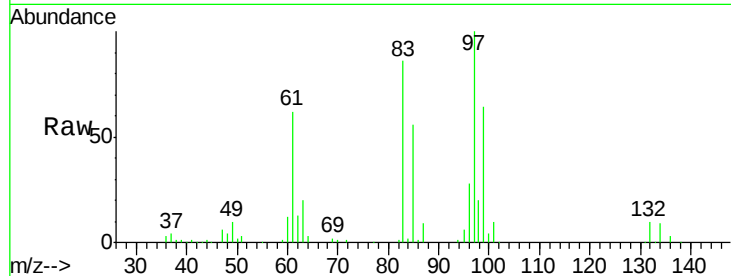
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	104632
Ion Ratio	Lower	Upper	
97	100		
83	85.4	68.9	103.3
85	55.7	44.4	66.6
99	64.2	51.0	76.4

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#56

Ethyl methacrylate

Concen: 51.009 ug/l

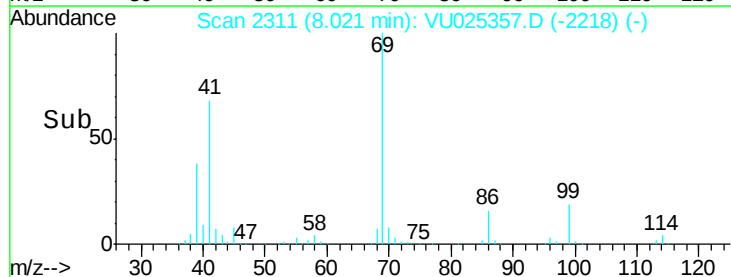
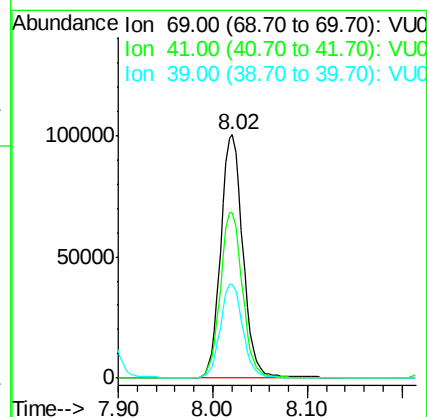
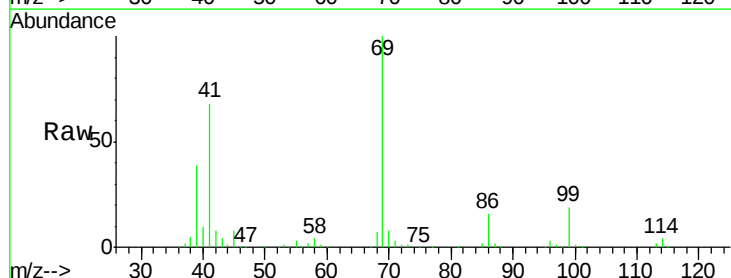
RT: 8.02 min Scan# 2311

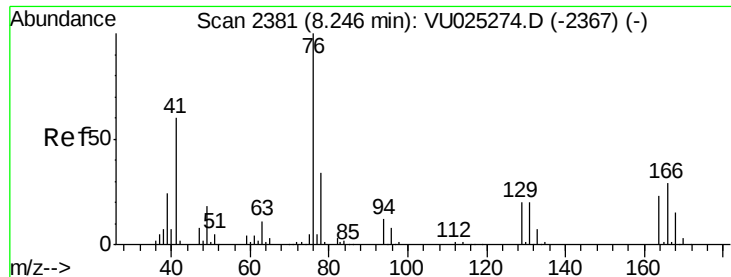
Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	69	Resp:	163927
Ion Ratio	Lower	Upper	
69	100		
41	67.9	54.8	82.2
39	38.3	31.1	46.7





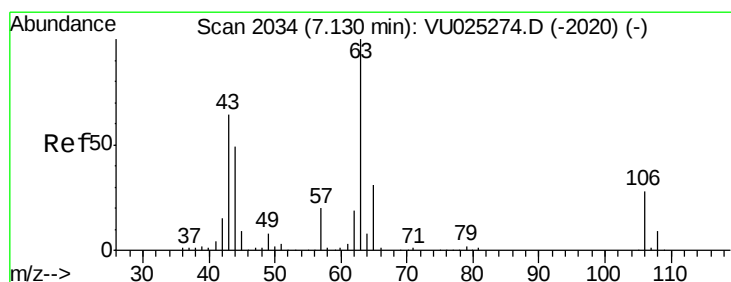
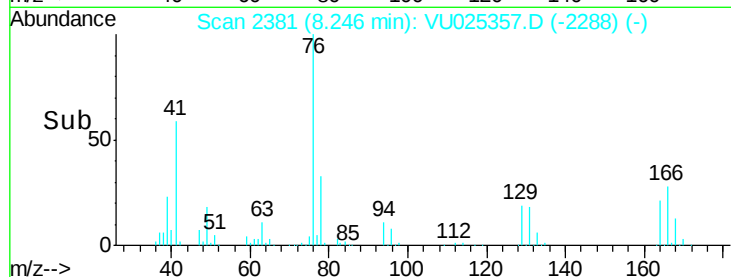
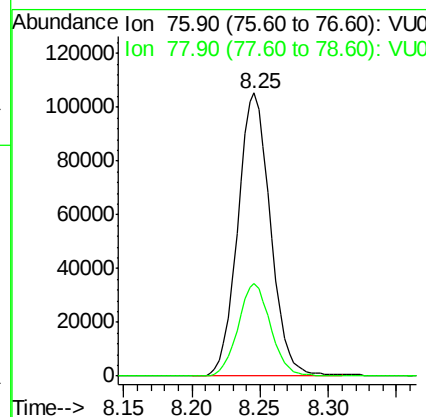
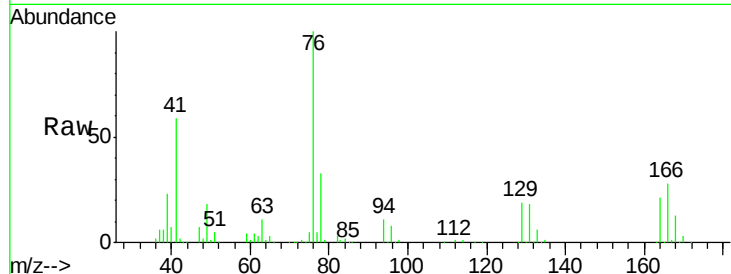
#57
 1,3-Dichloropropane
 Concen: 51.218 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 174949
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

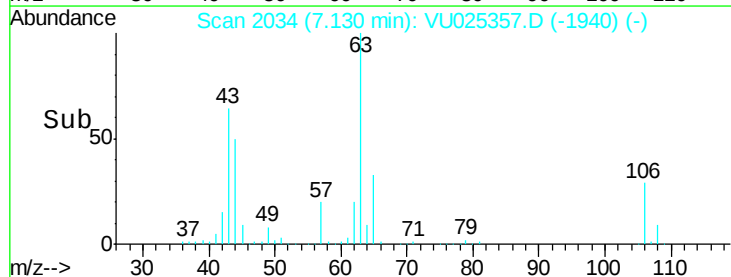
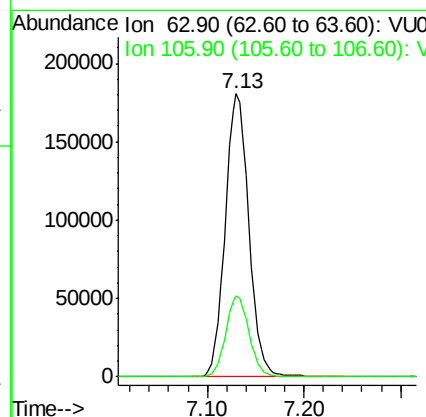
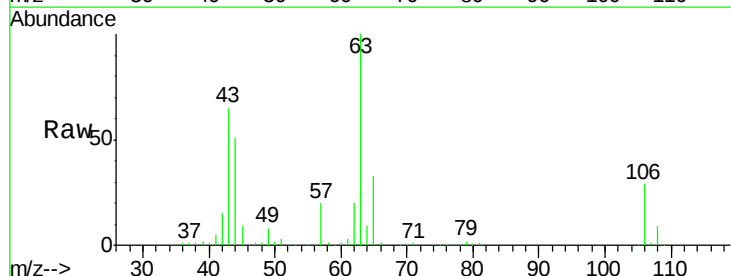
Manual Integrations
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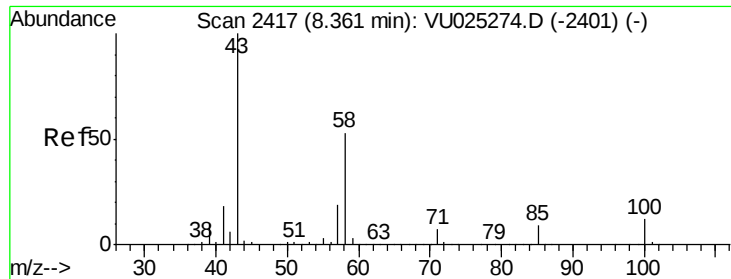
MMDadoda
 7/13/2018 11:44:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.876 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion: 63 Resp: 306516
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.3 33.5





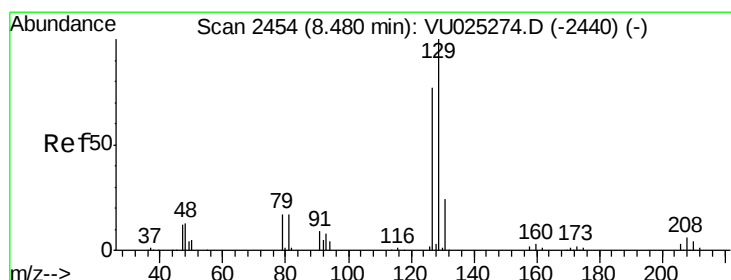
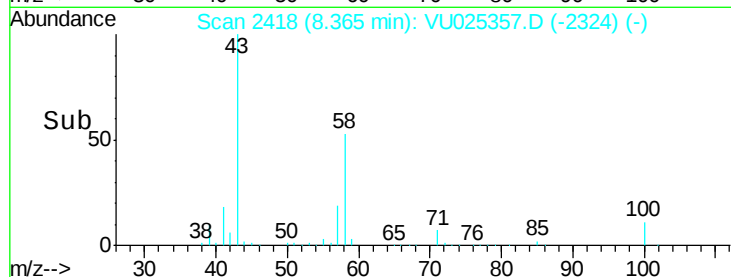
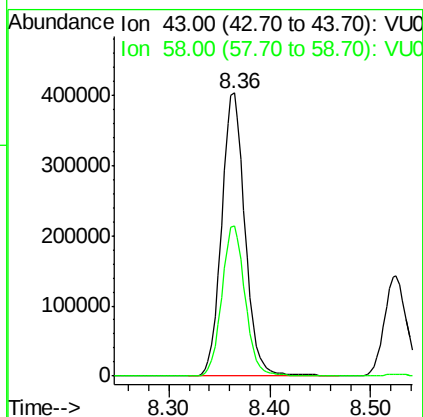
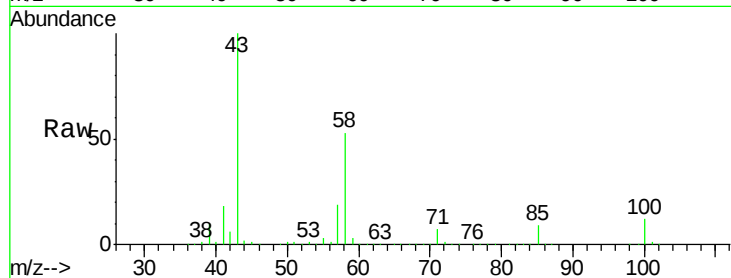
#59
2-Hexanone
Concen: 257.794 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 654060
Ion Ratio Lower Upper
43 100
58 52.9 26.2 78.5

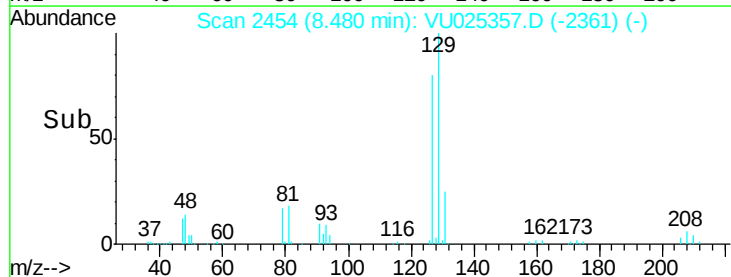
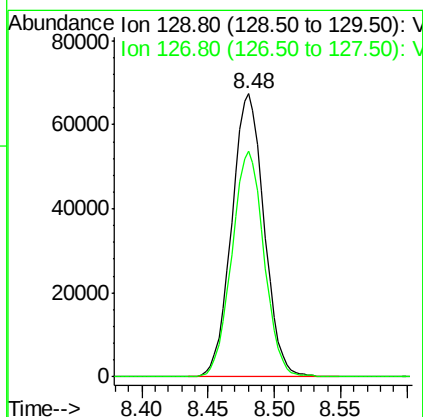
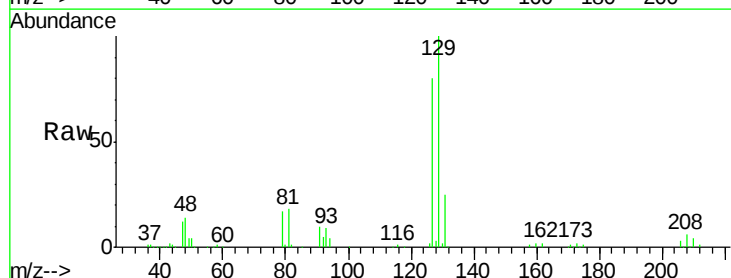
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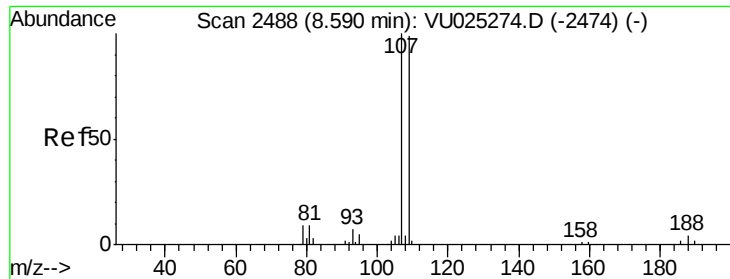
MMDadoda
7/13/2018 11:44:19 AM



#60
Dibromochloromethane
Concen: 51.522 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 129 Resp: 114489
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.255 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 115046

Ion Ratio Lower Upper

107 100

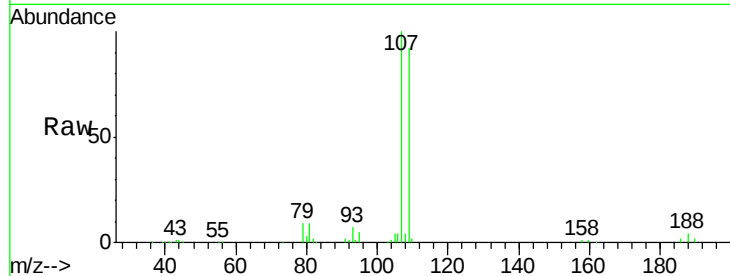
109 92.5 75.8 113.8

Manual Integrations

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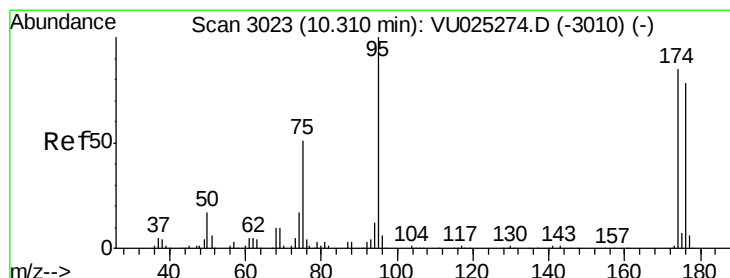
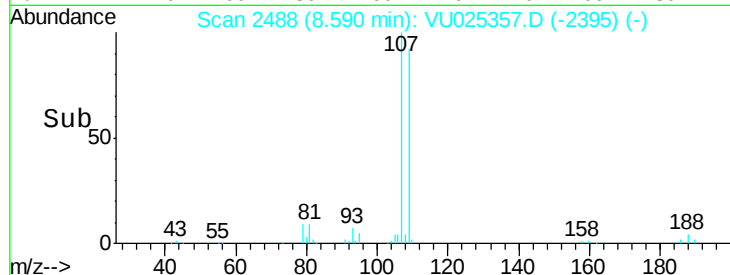
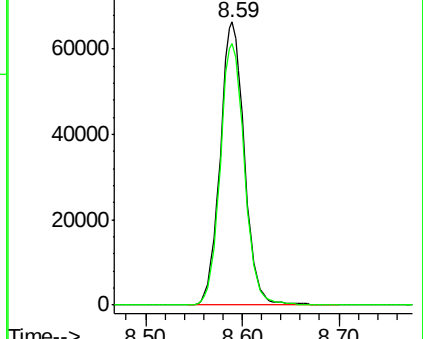
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.250 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

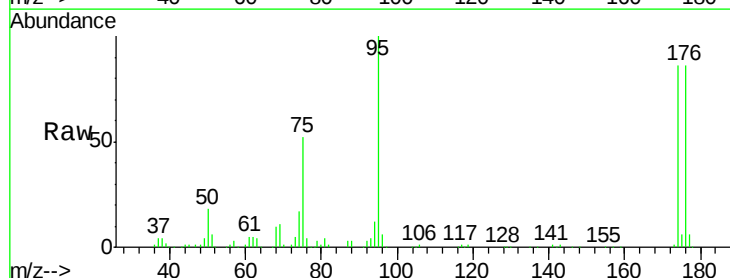
Tgt Ion: 95 Resp: 138834

Ion Ratio Lower Upper

95 100

174 85.8 0.0 172.2

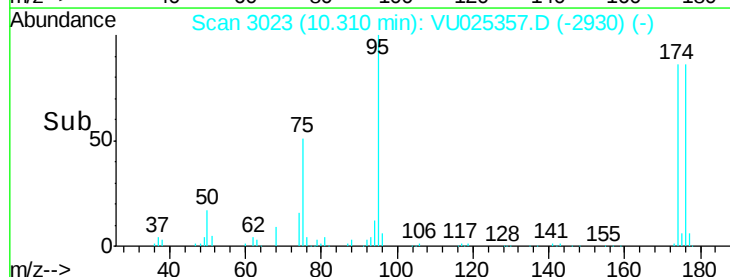
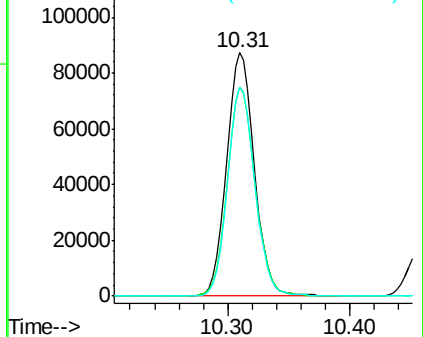
176 84.8 0.0 162.6

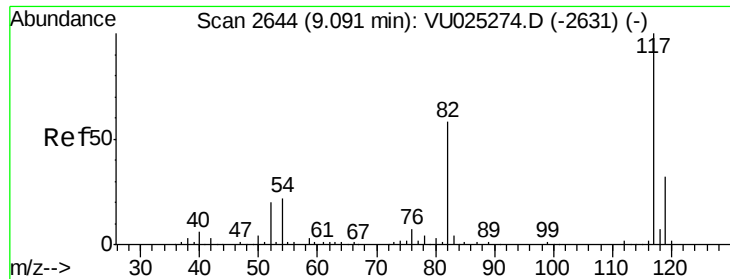


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

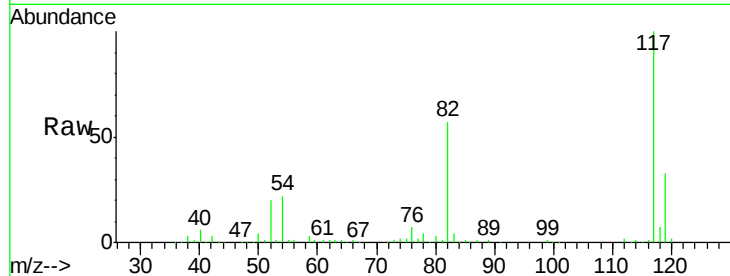
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	231341
Ion Ratio	Lower	Upper	
117	100		
82	56.9	46.0	69.0
119	32.8	26.0	39.0

Manual Integrations
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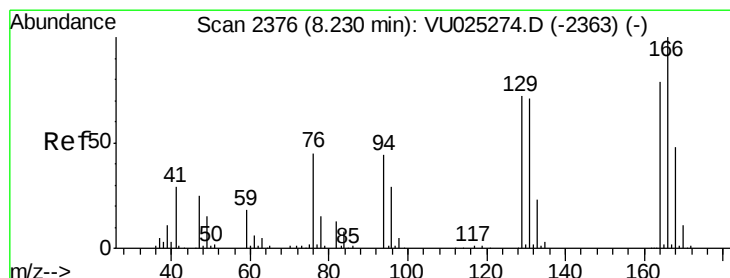
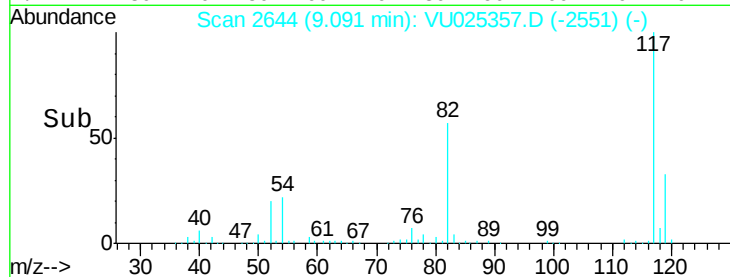
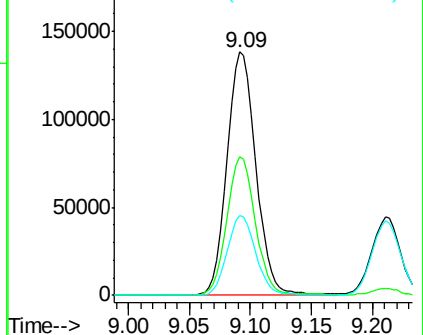
MMDadoda
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.450 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

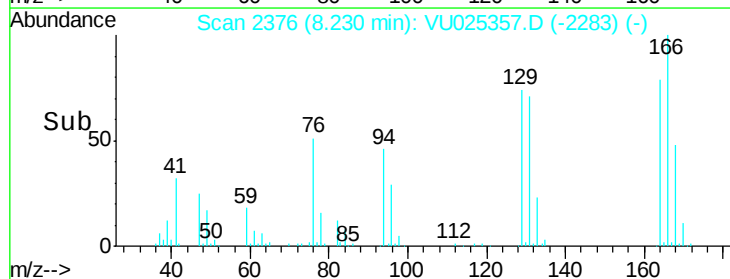
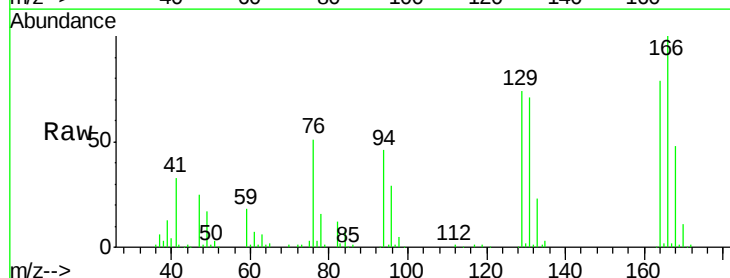
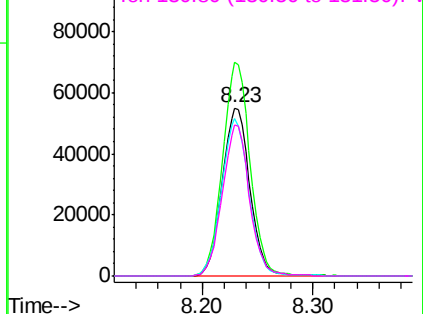
Tgt Ion:	164	Resp:	95844
Ion Ratio	Lower	Upper	
164	100		
166	127.1	101.1	151.7
129	93.5	73.0	109.6
131	90.0	72.1	108.1

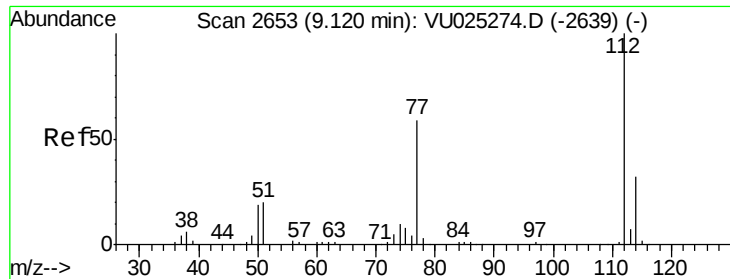
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





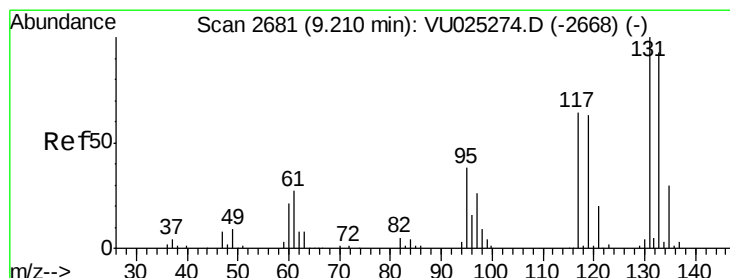
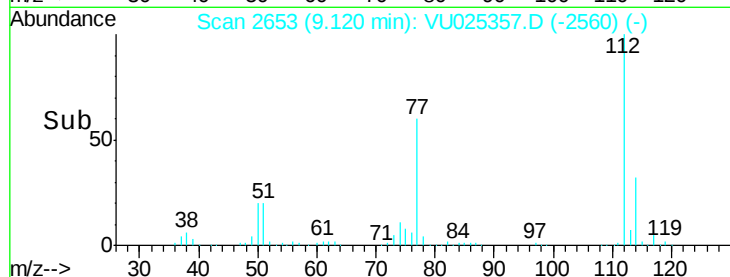
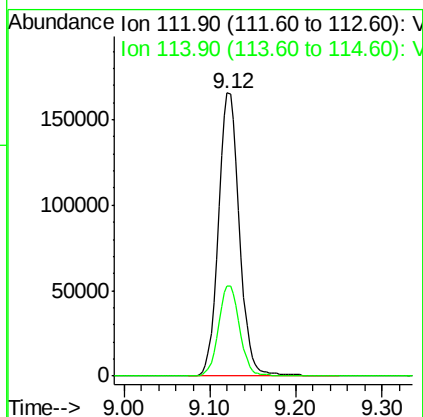
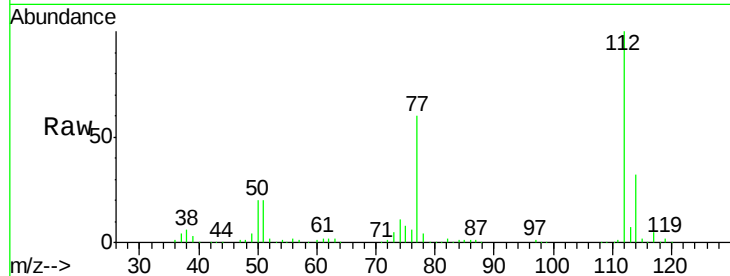
#65
Chlorobenzene
Concen: 48.662 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

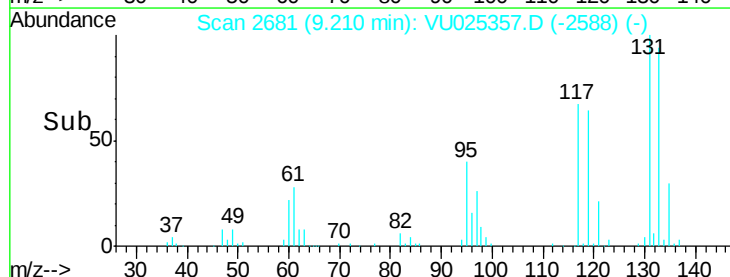
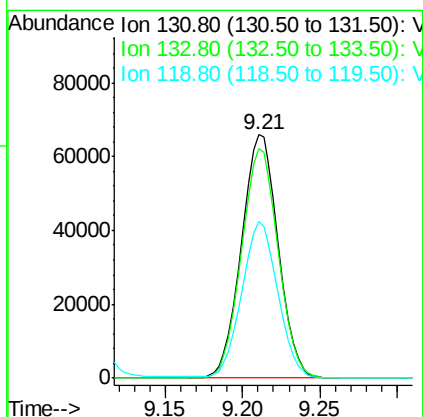
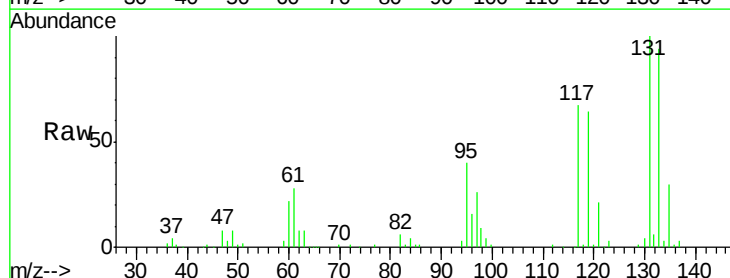
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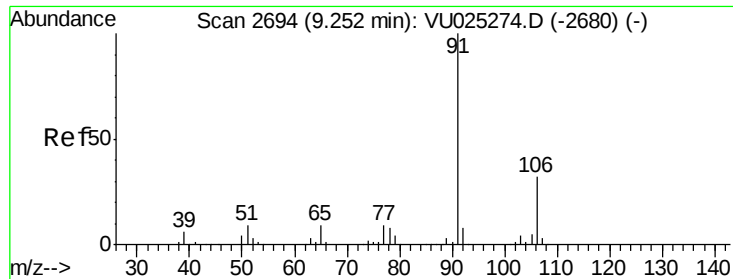
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7/13/2018 11:44:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.636 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.8	143.3
119	63.2	31.6	95.0





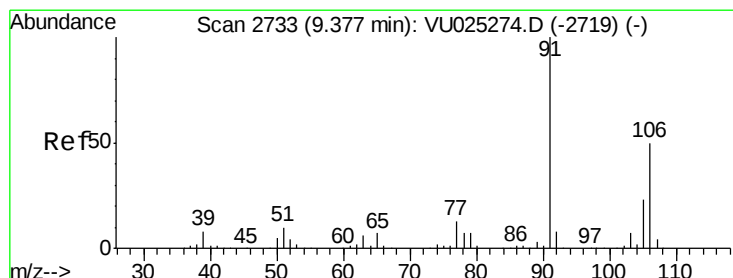
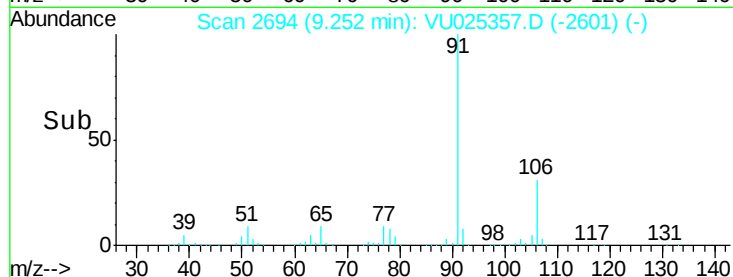
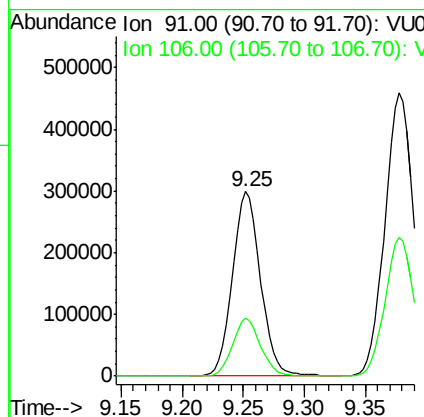
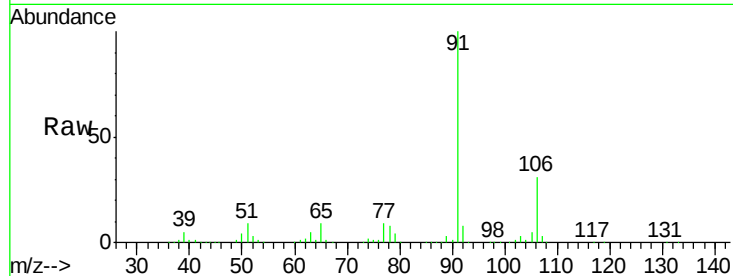
#67
Ethyl Benzene
Concen: 48.806 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 480863
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9

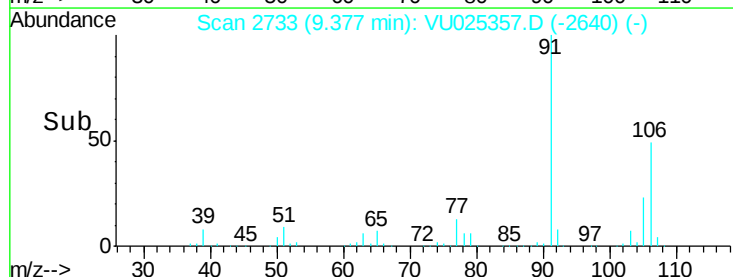
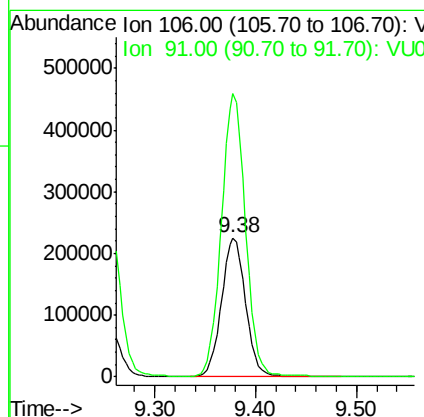
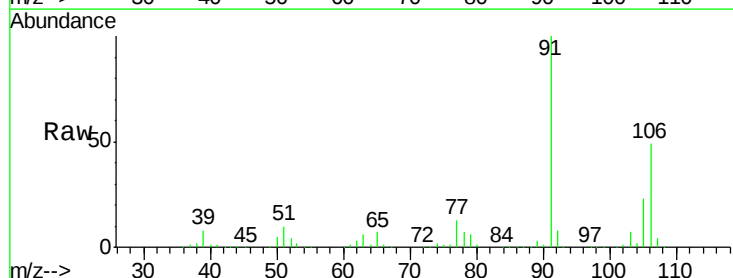
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7/13/2018 11:44:19 AM



#68
m/p-Xylenes
Concen: 98.667 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 106 Resp: 375830
Ion Ratio Lower Upper
106 100
91 203.6 162.3 243.5





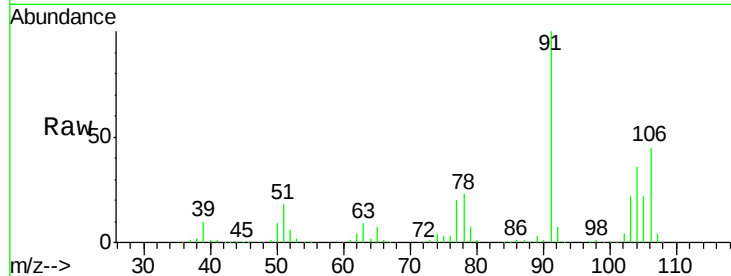
#69
o-Xylene
Concen: 48.912 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

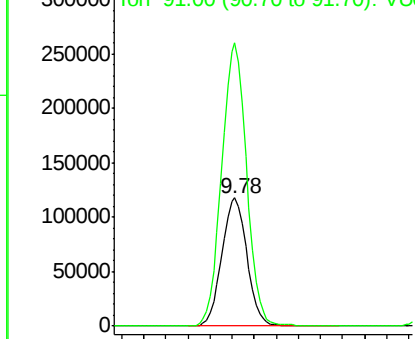
Tot Ion	Ratio	Lower	Upper
106	100		
91	219.0	105.3	315.8

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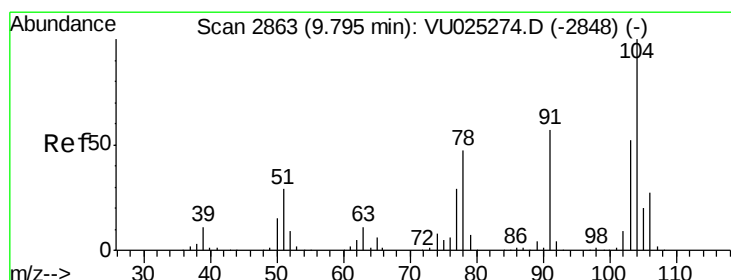
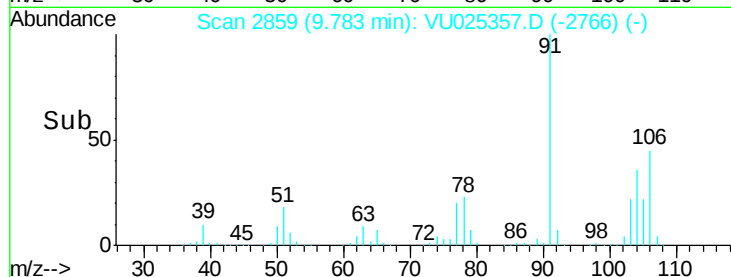
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

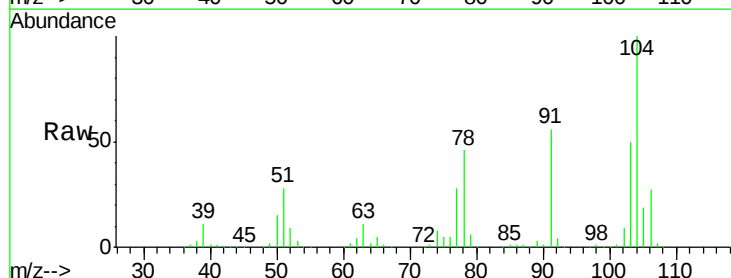


Time-->

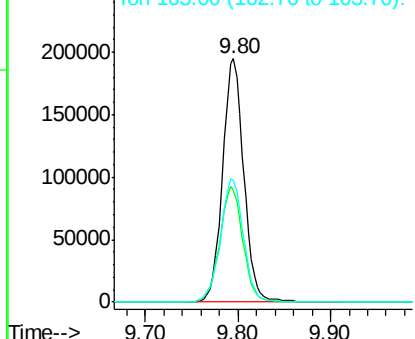


#70
Styrene
Concen: 50.938 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

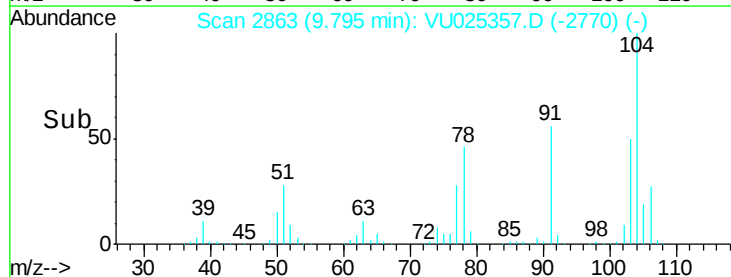
Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.6	62.4
103	54.7	44.6	66.8

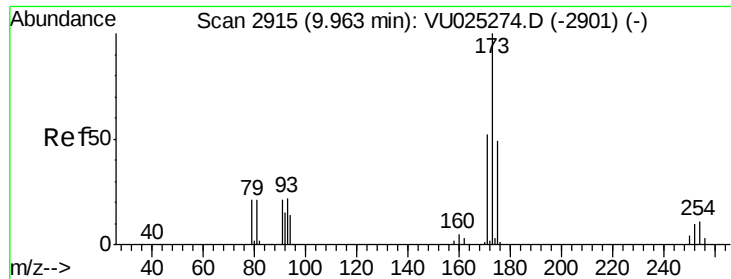


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 45.503 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 90032

Ion Ratio Lower Upper

173 100

175 49.9 24.0 72.0

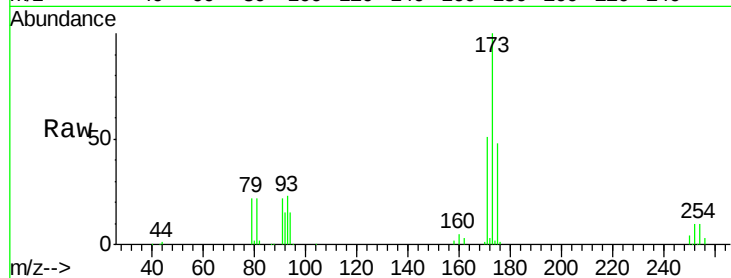
254 0.0 0.0 0.0

Manual Integrations

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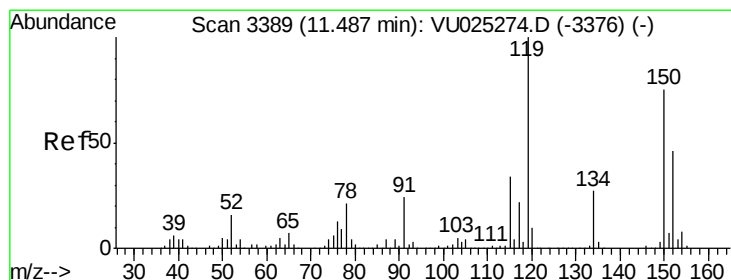
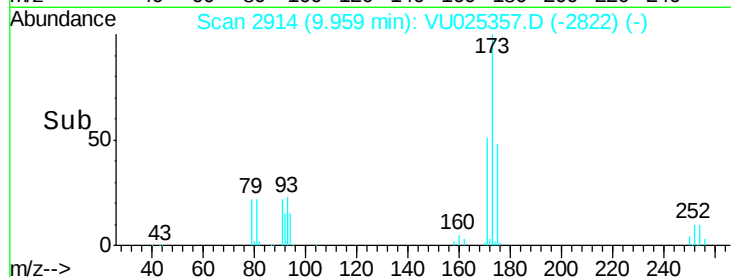
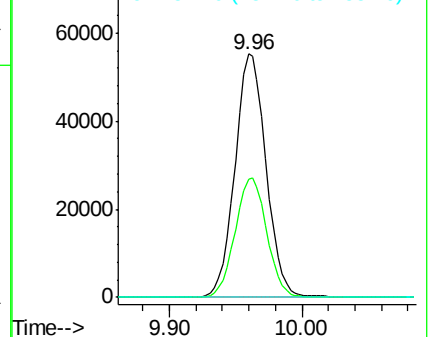
7/13/2018 11:44:19 AM



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: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

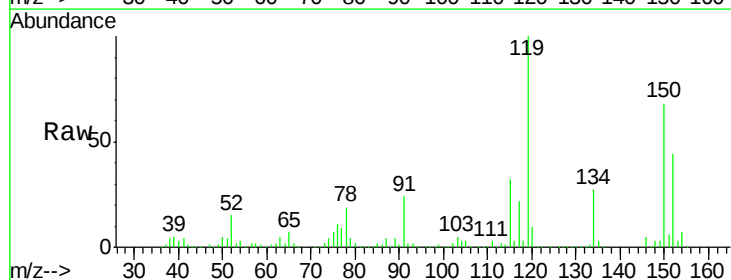
Tgt Ion:152 Resp: 142340

Ion Ratio Lower Upper

152 100

115 81.9 40.1 120.3

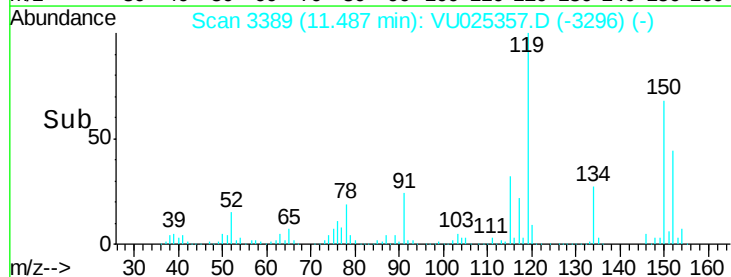
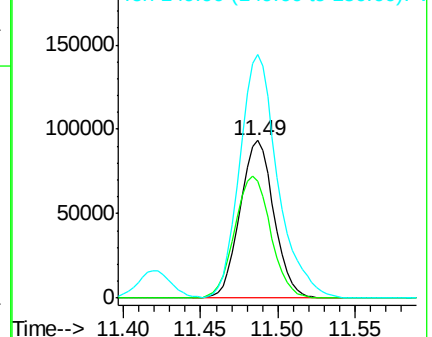
150 173.5 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.664 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 507496

Ion Ratio Lower Upper

105 100

120 26.8

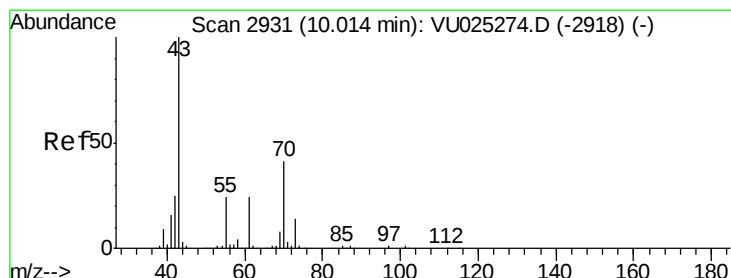
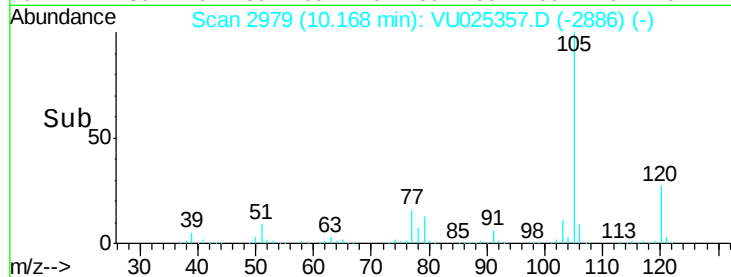
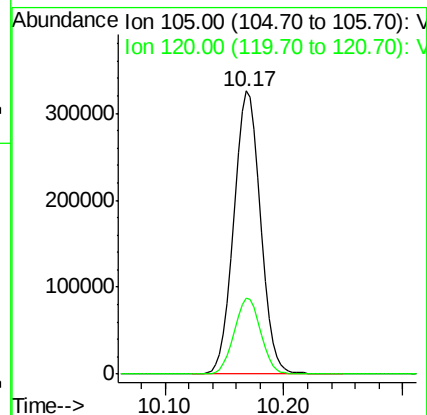
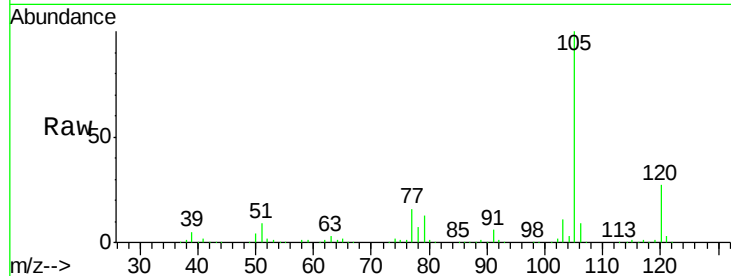
13.5 40.5

Manual Integrations

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7/13/2018 11:44:19 AM



#74

N-ethyl acetate

Concen: 50.957 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion: 43 Resp: 226943

Ion Ratio Lower Upper

43 100

70 41.7

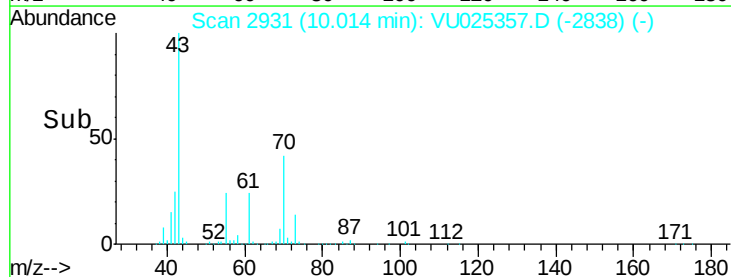
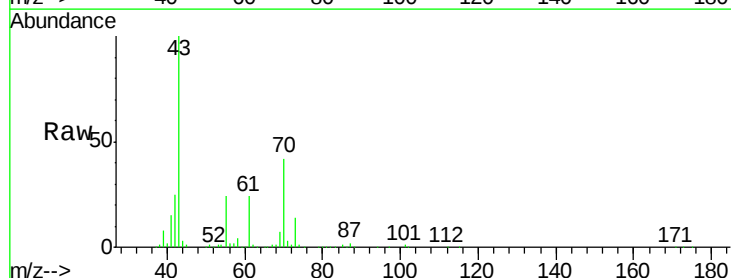
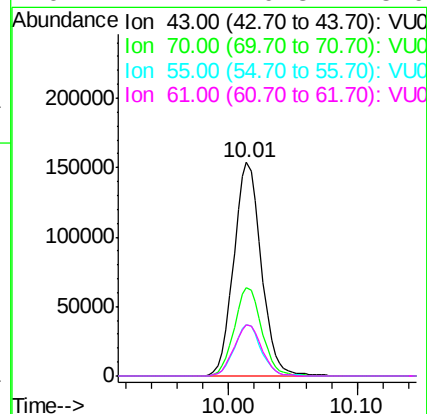
55 23.7

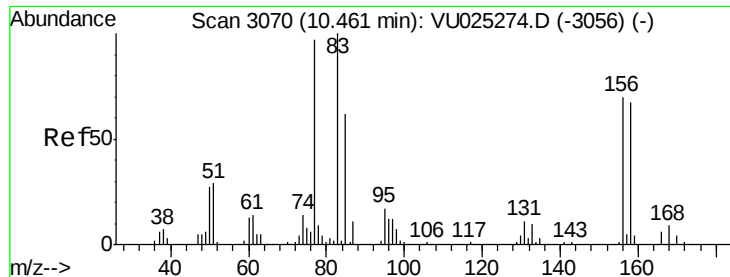
61 24.1

33.4 50.2

19.0 28.6

19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.186 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

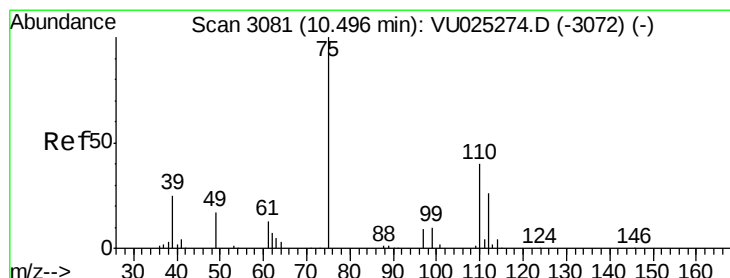
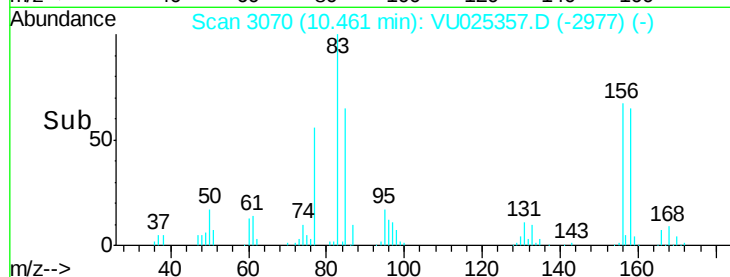
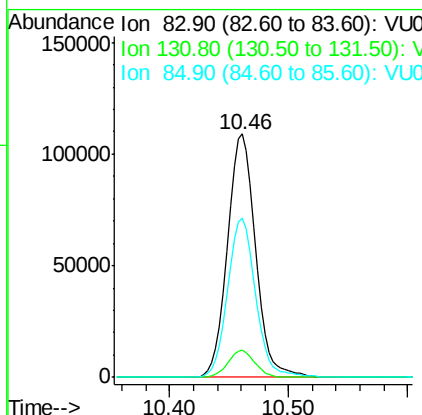
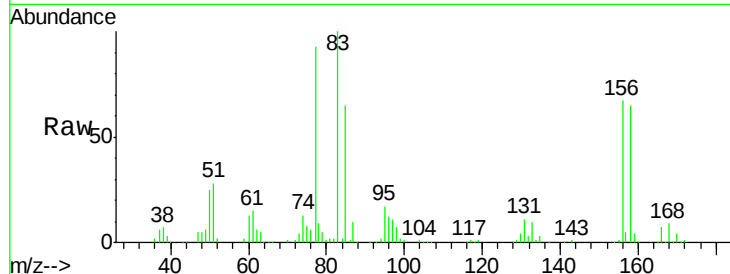
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	178565
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	65.4	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 54.981 ug/l m

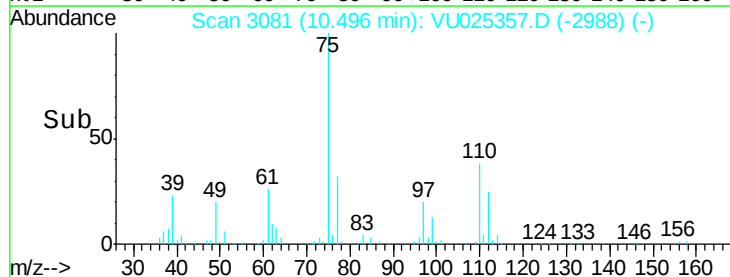
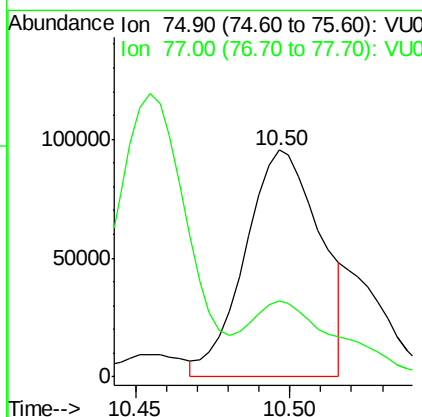
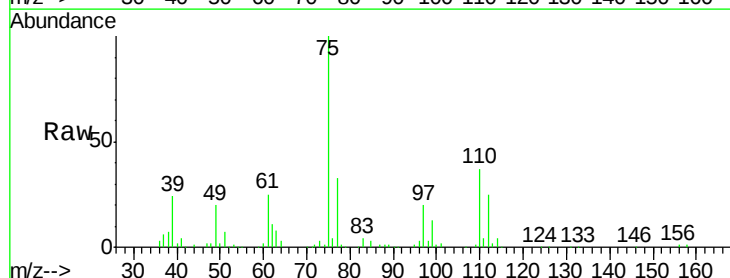
RT: 10.50 min Scan# 3081

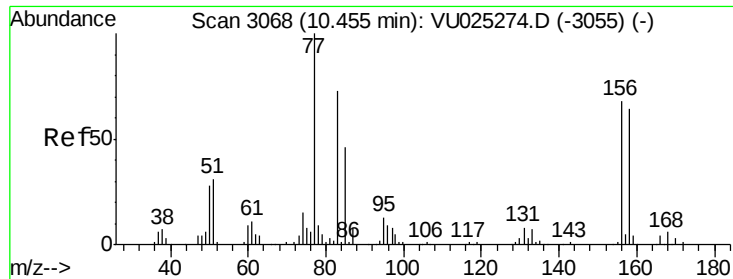
Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	75	Resp:	161882
Ion Ratio	Lower	Upper	
75	100		
77	41.0	20.4	61.3





#77

Bromobenzene

Concen: 47.659 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

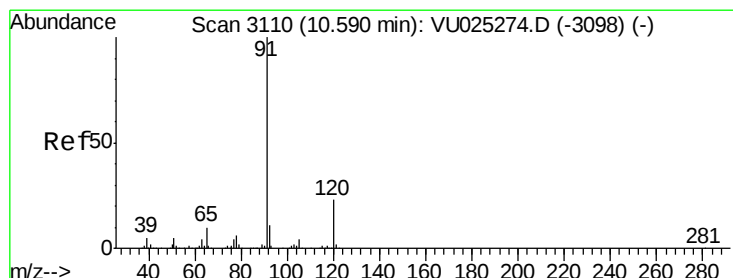
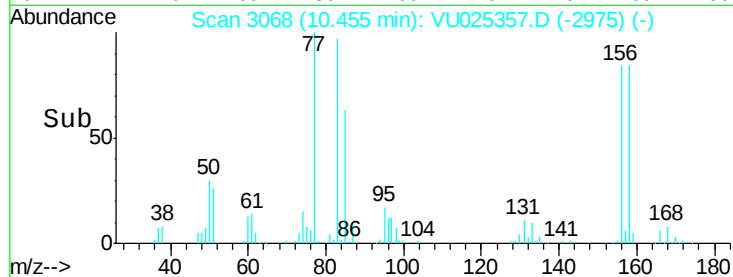
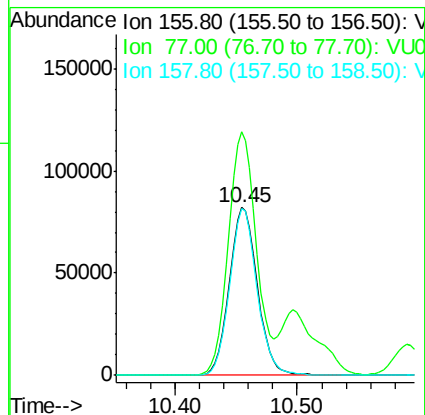
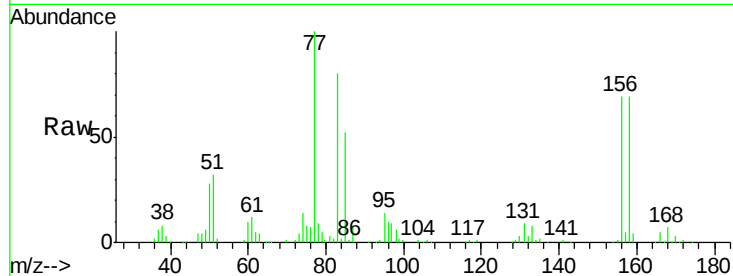
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	144.7		73.8	221.4	
158	97.1		48.0	144.0	

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#78

n-propylbenzene

Concen: 47.637 ug/l

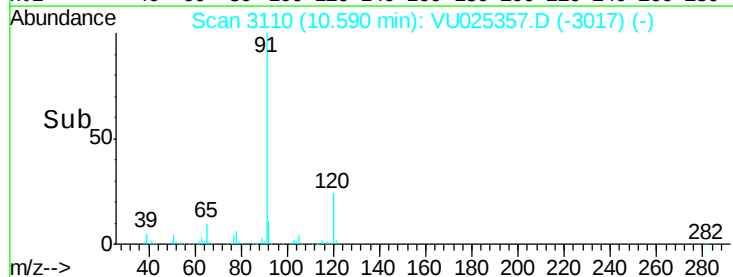
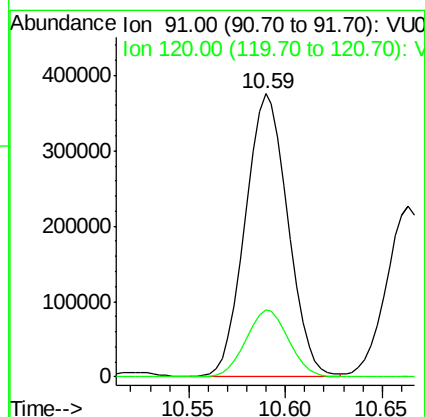
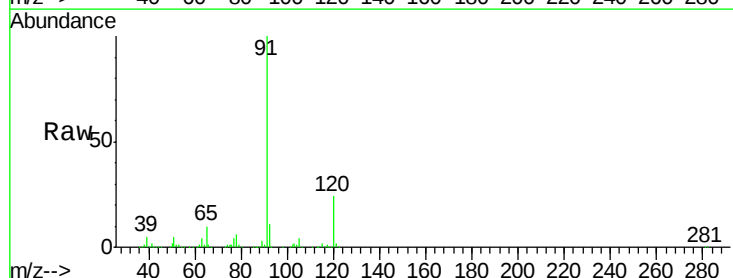
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.7		11.8	35.3	





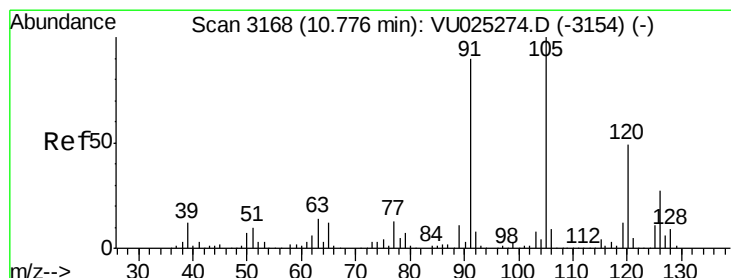
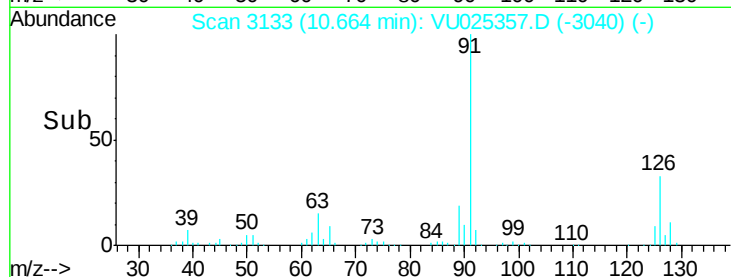
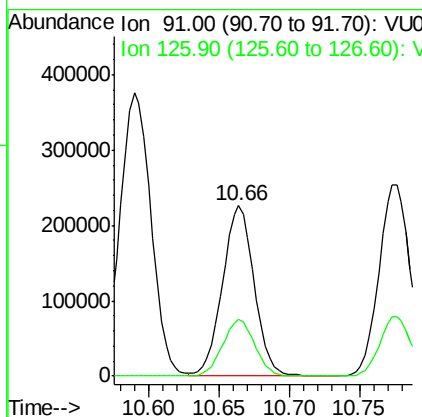
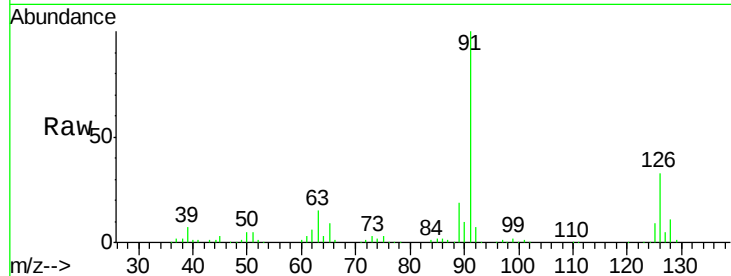
#79
2-Chlorotoluene
Concen: 51.094 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 354073
Ion Ratio Lower Upper
91 100
126 33.7 17.5 52.6

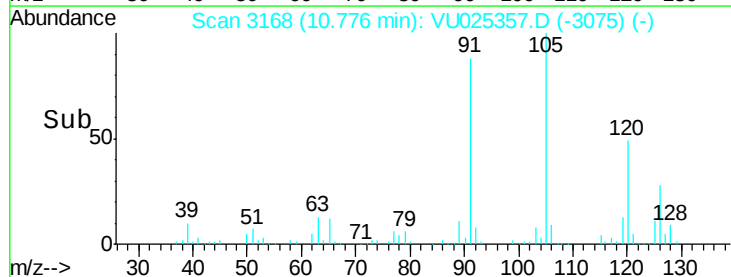
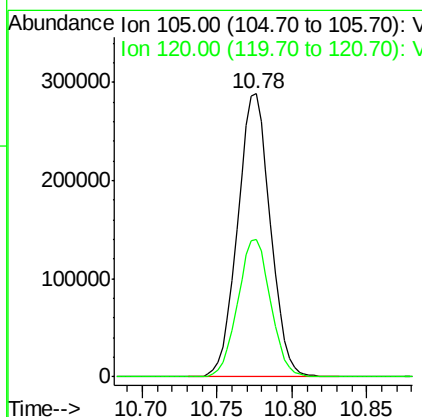
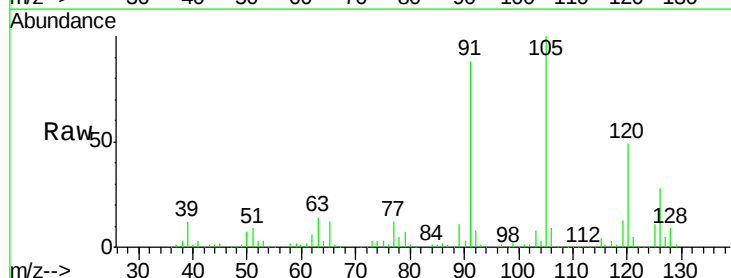
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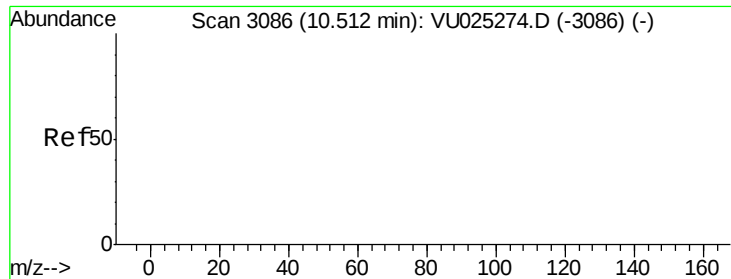
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#80
1,3,5-Trimethylbenzene
Concen: 48.004 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion: 105 Resp: 439293
Ion Ratio Lower Upper
105 100
120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.668 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

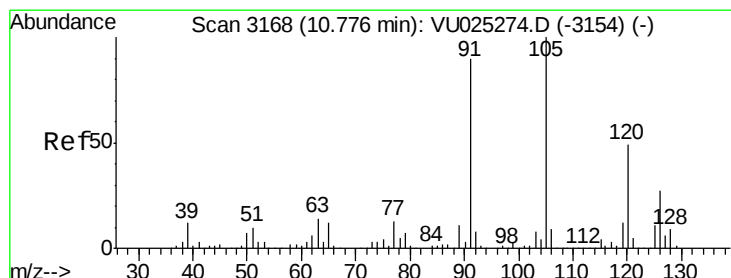
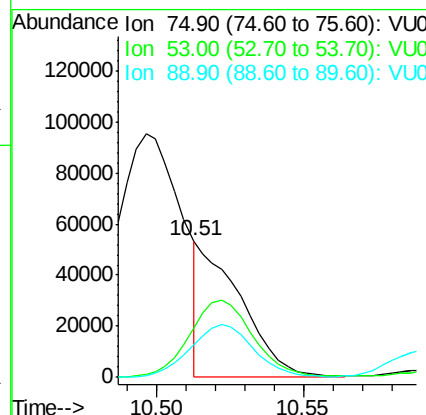
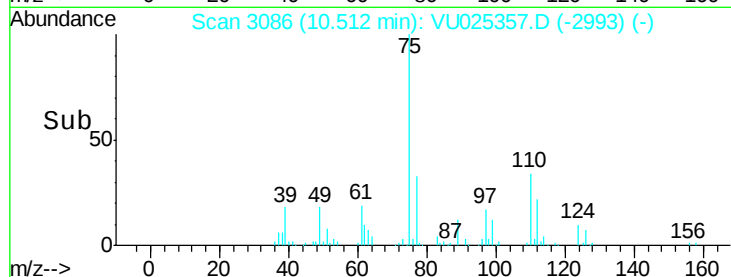
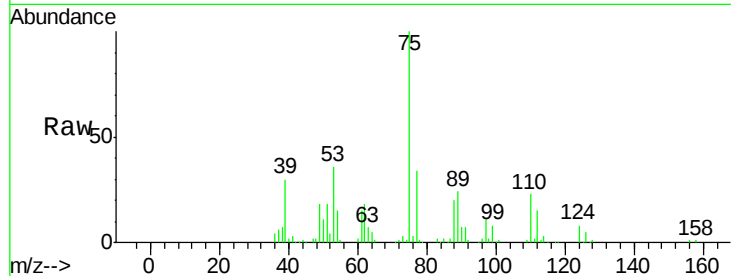
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

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#82

4-Chlorotoluene

Concen: 46.501 ug/l

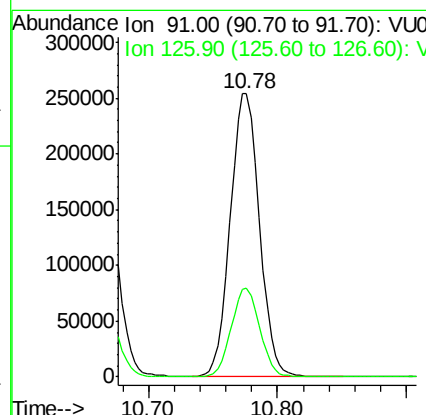
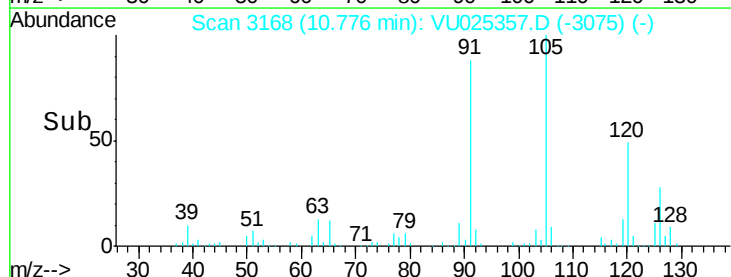
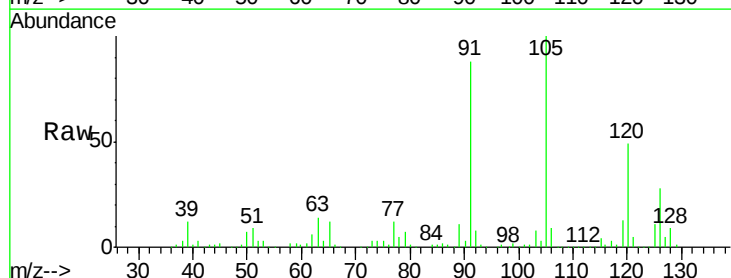
RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





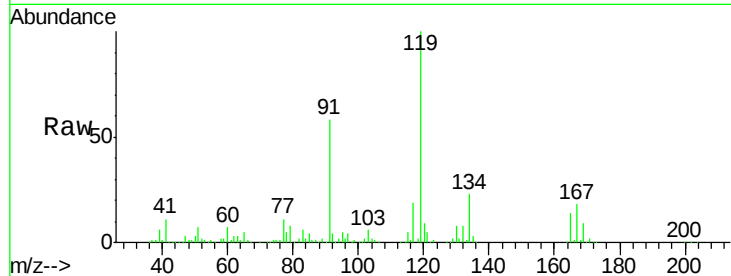
#83
 tert-Butylbenzene
 Concen: 48.417 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

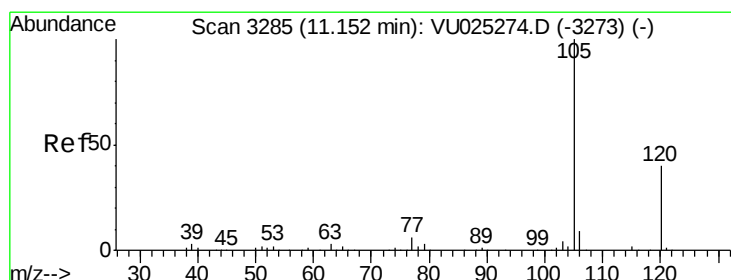
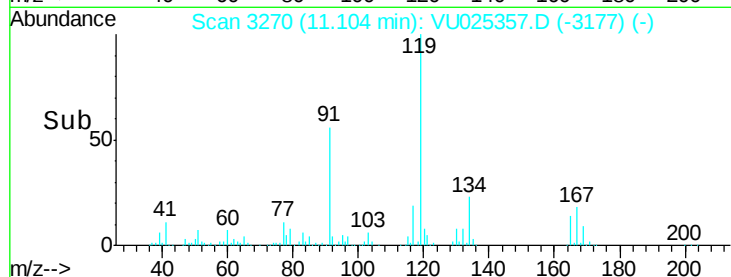
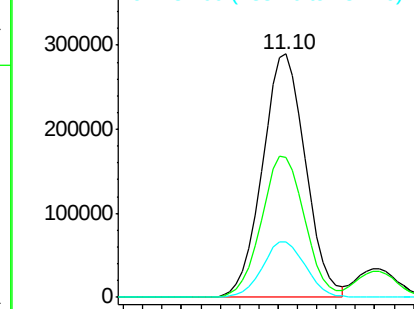
Tot Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.7	89.1
134	23.0	11.5	34.5

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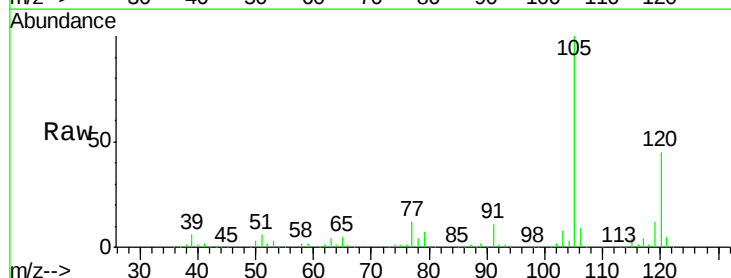


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

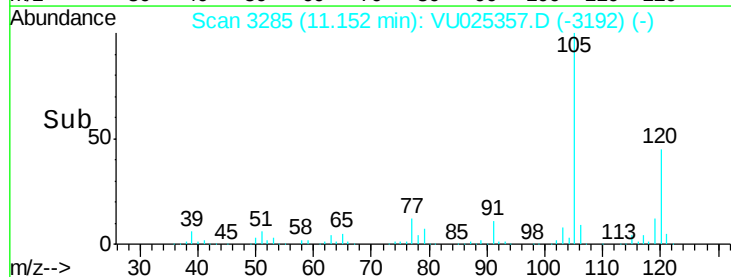
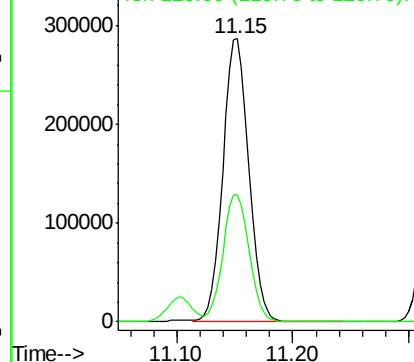


#84
 1,2,4-Trimethylbenzene
 Concen: 47.226 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.025 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 522919

Ion Ratio Lower Upper

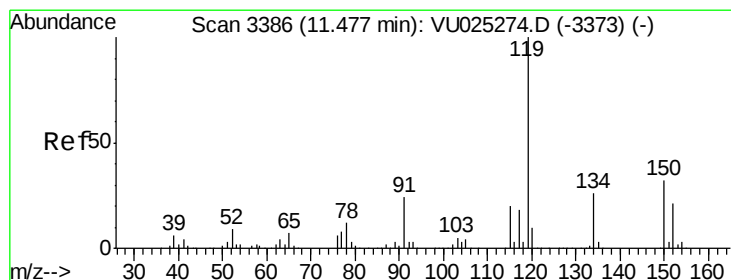
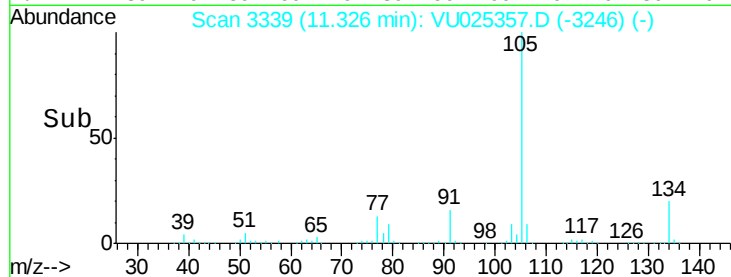
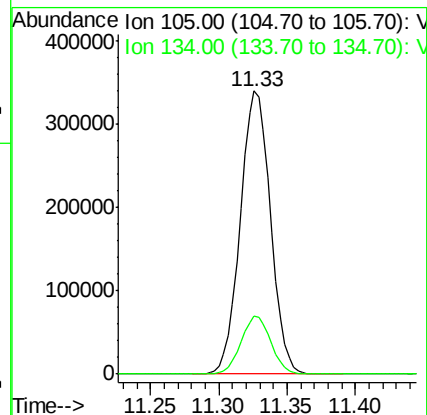
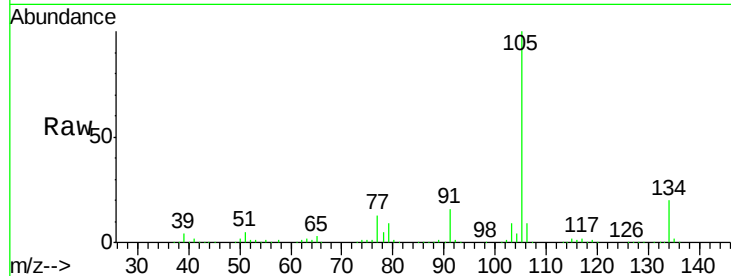
105 100

134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 48.113 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

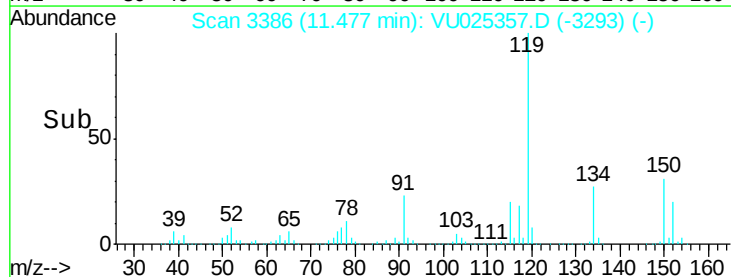
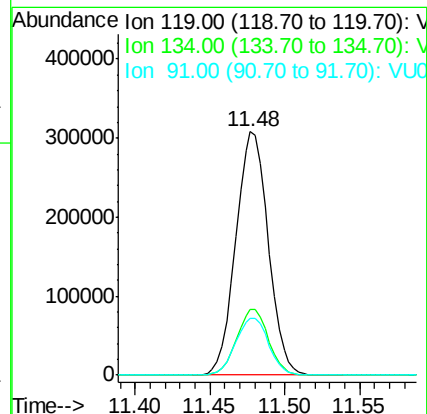
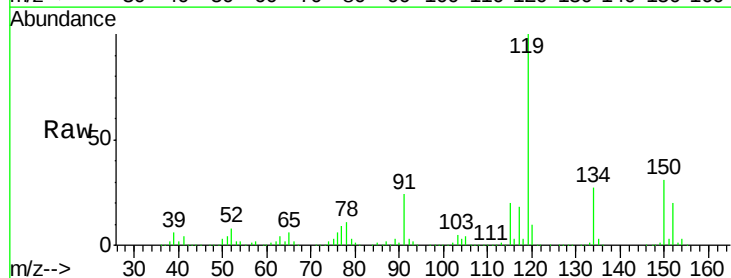
Tgt Ion:119 Resp: 463868

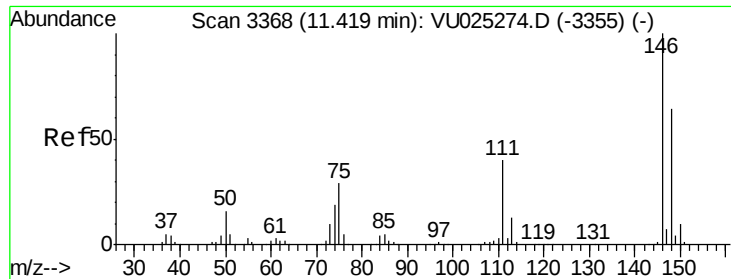
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 23.9 12.0 36.1





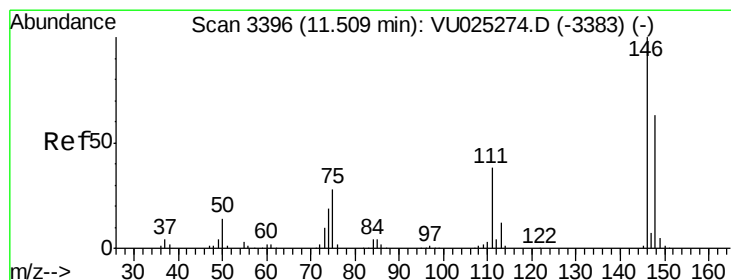
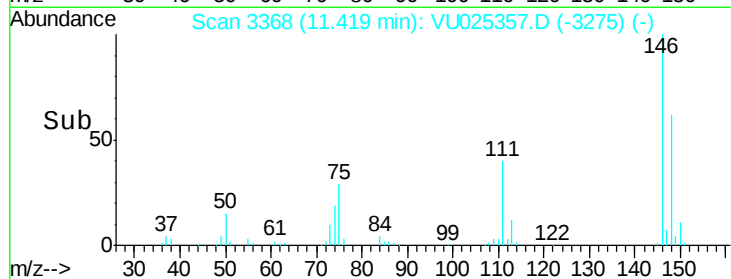
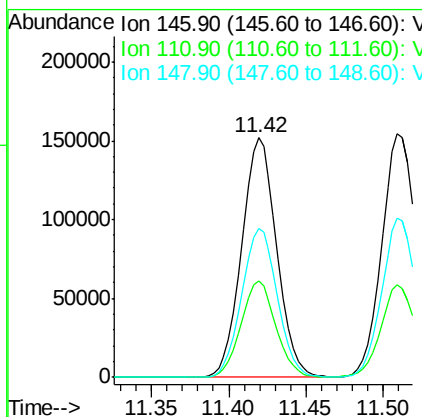
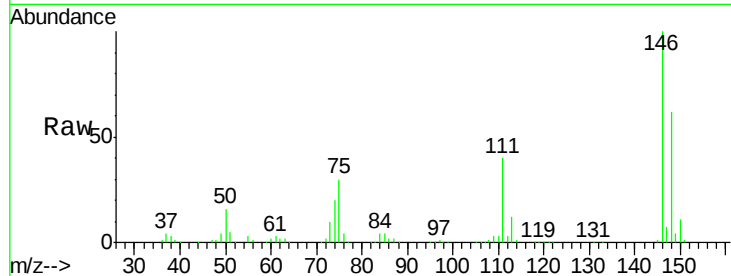
#87
 1,3-Dichlorobenzene
 Concen: 46.930 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.1
148	63.2	32.1	96.3

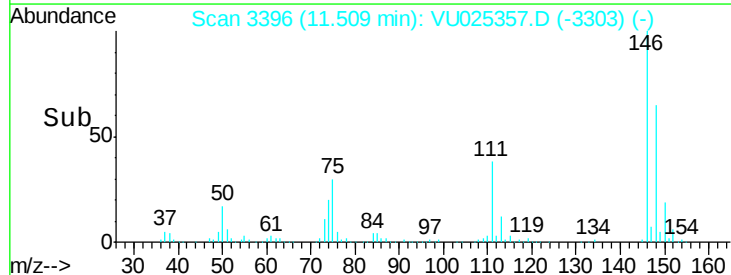
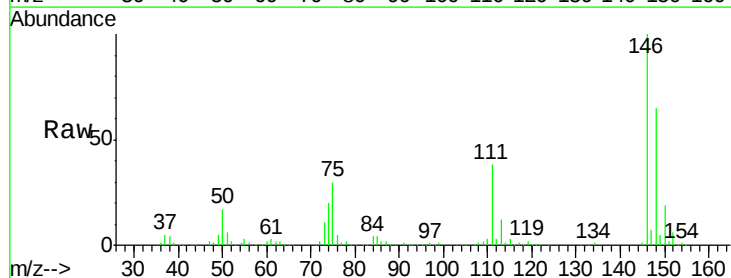
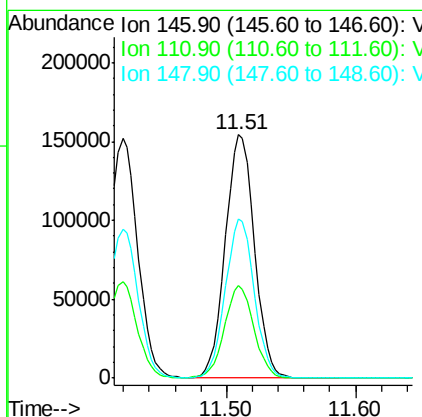
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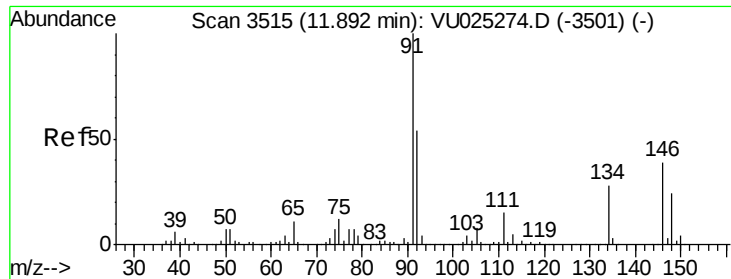
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#88
 1,4-Dichlorobenzene
 Concen: 48.583 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	65.2	31.7	95.1





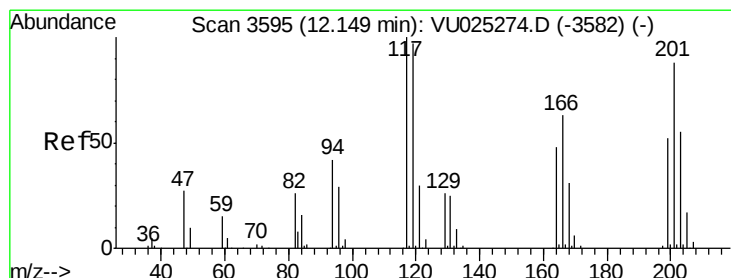
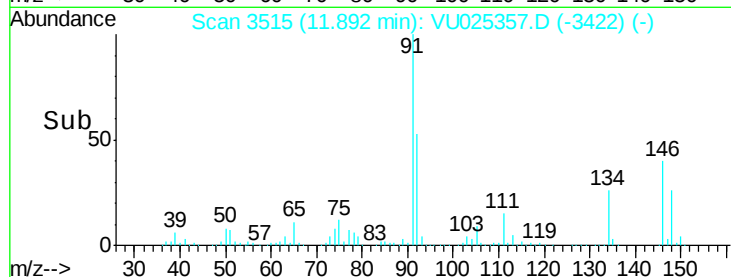
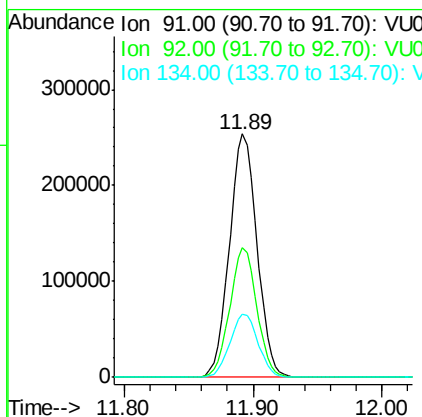
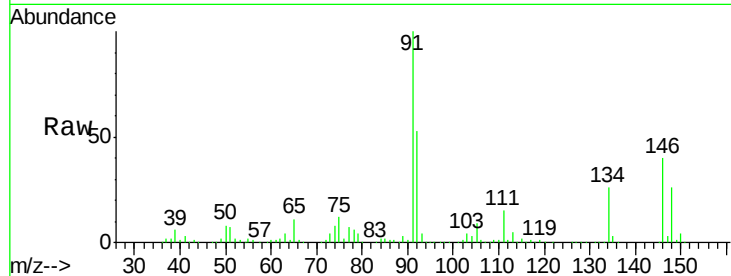
#89
n-Butylbenzene
Concen: 47.477 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.5
134	26.5	13.6	40.7

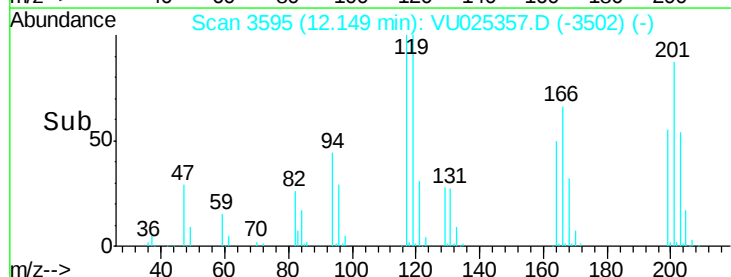
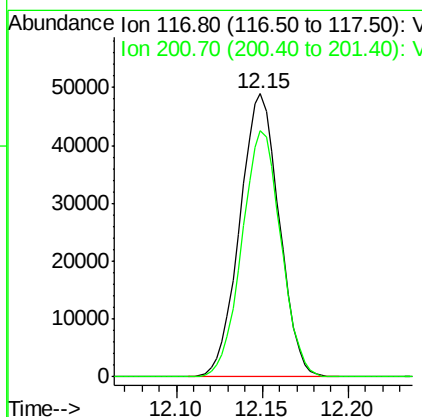
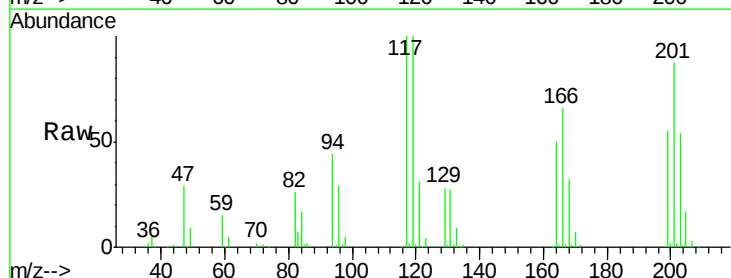
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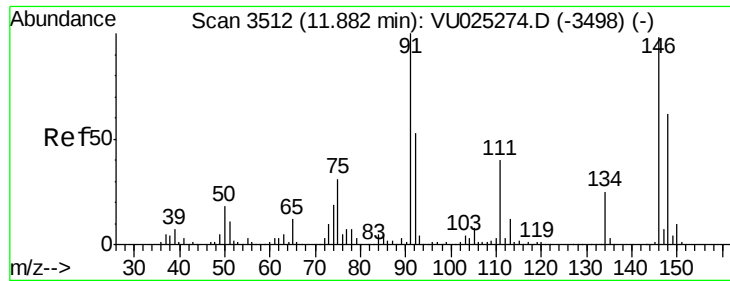
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#90
Hexachloroethane
Concen: 47.629 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025357.D
Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.9	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 48.971 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

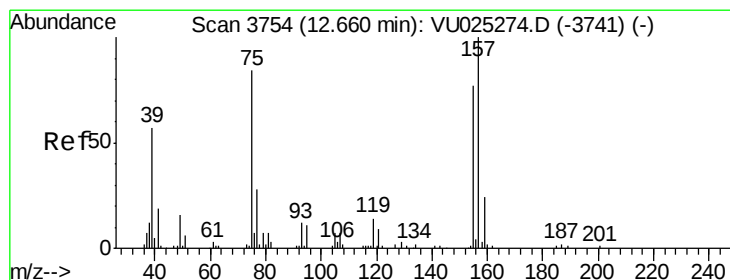
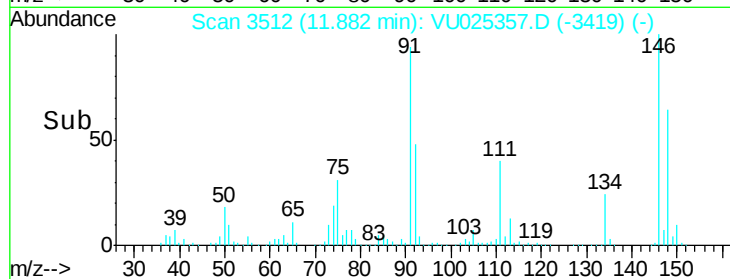
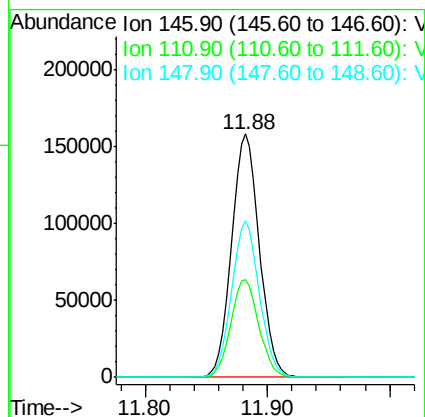
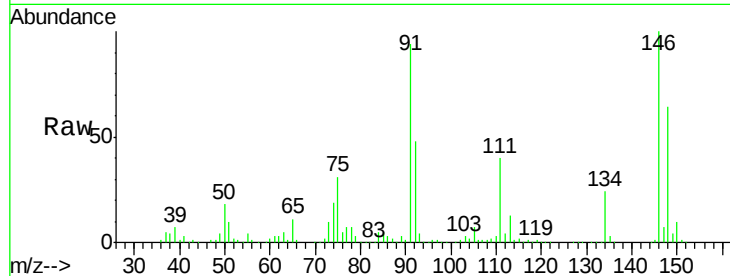
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	251484
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.6	61.8
148	64.2	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 53.115 ug/l

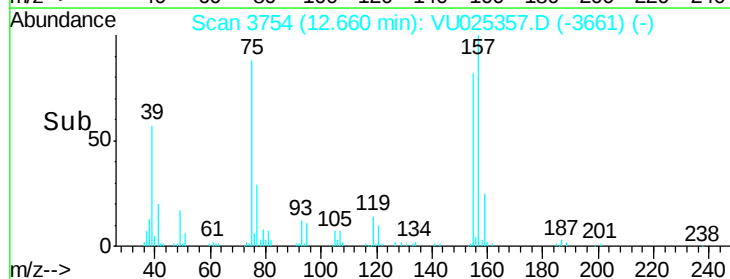
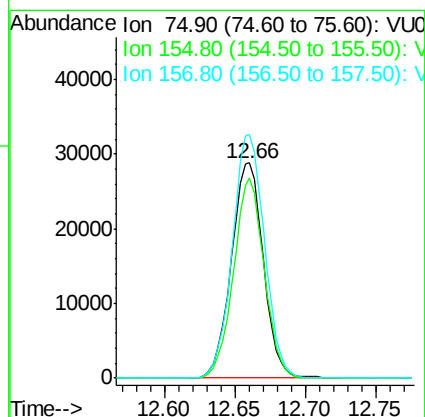
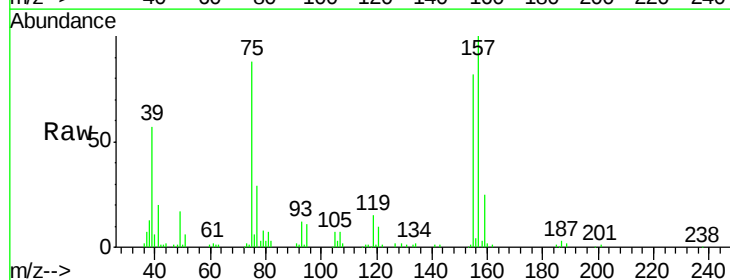
RT: 12.66 min Scan# 3754

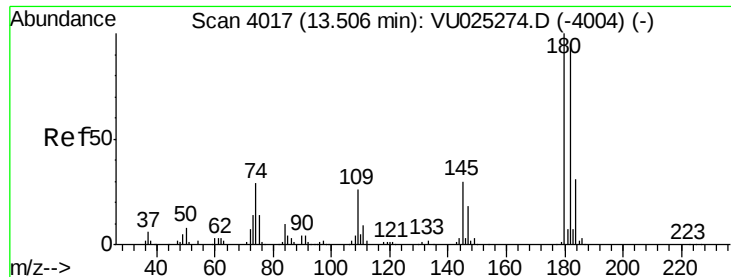
Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	75	Resp:	45837
Ion Ratio	Lower	Upper	
75	100		
155	88.6	44.5	133.3
157	113.4	57.0	170.8





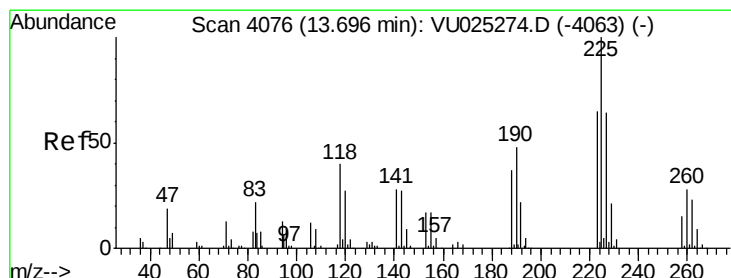
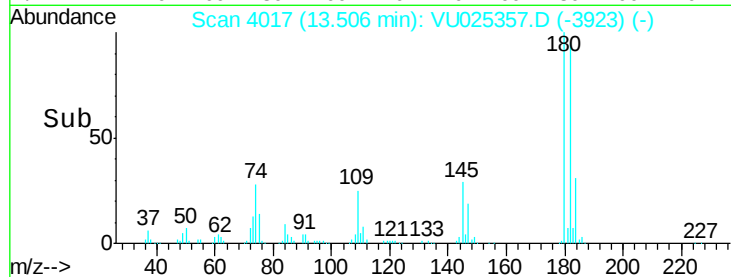
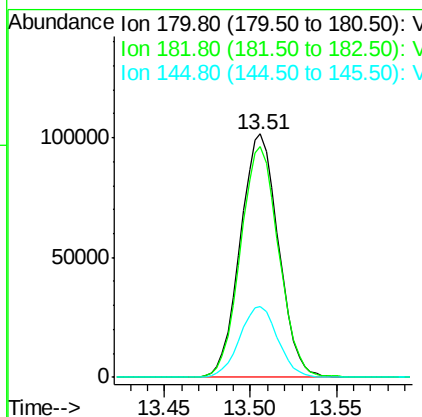
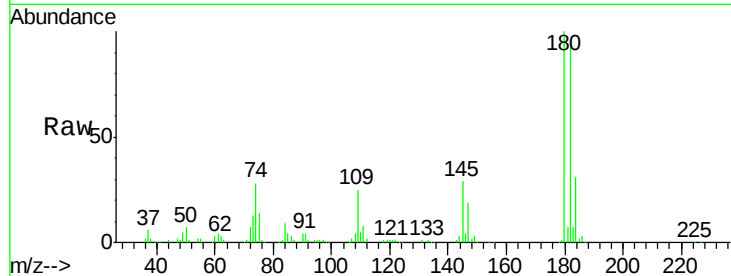
#93
 1,2,4-Trichlorobenzene
 Concen: 45.932 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156964		
182	94.9	47.3	141.9	
145	29.1	14.9	44.7	

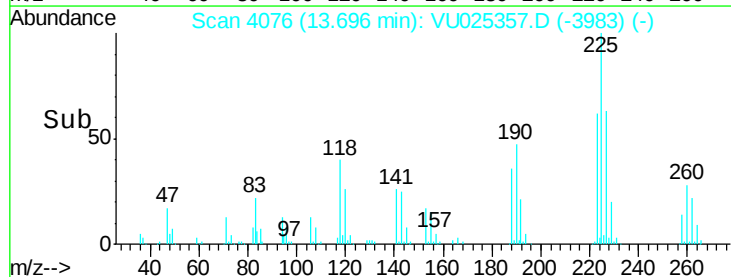
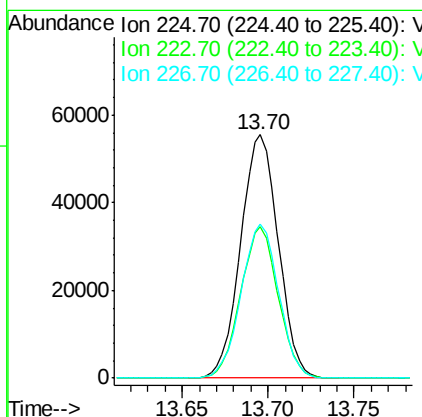
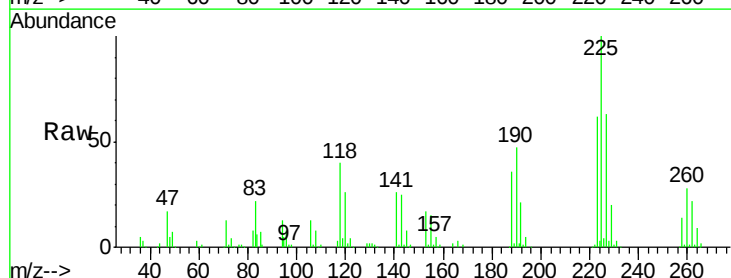
Manual Integrations
 APPROVED

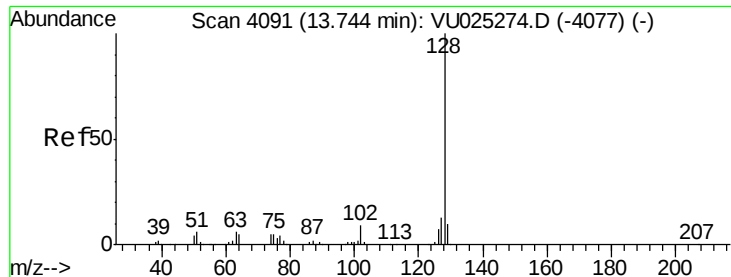
MMDadoda
 7/13/2018 11:44:19 AM



#94
 Hexachlorobutadiene
 Concen: 45.957 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025357.D
 Acq: 12 Jul 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84407		
223	62.1	31.9	95.7	
227	63.0	32.3	96.9	





#95

Naphthalene

Concen: 49.817 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Instrument :

MSVOA_U

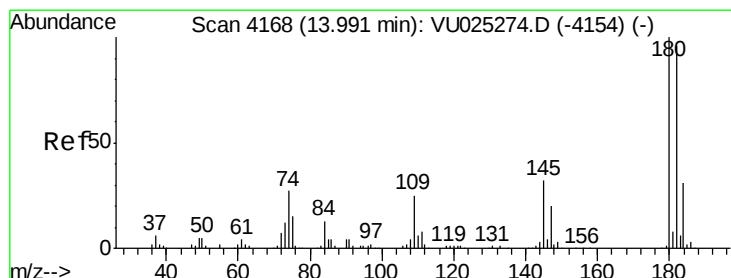
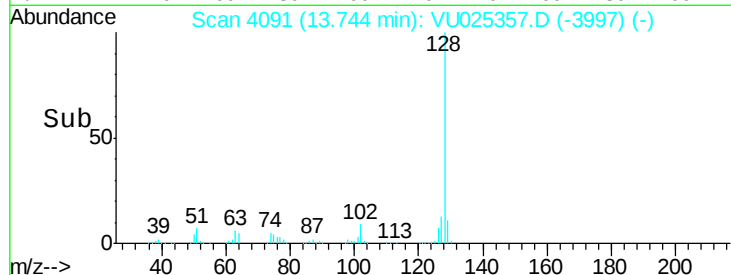
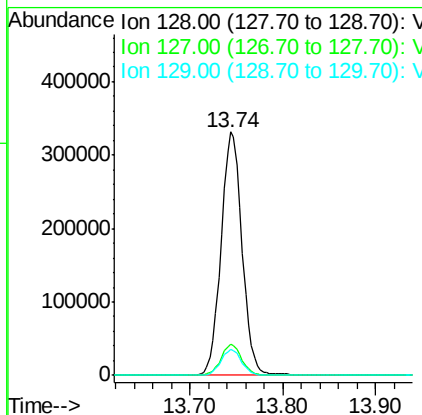
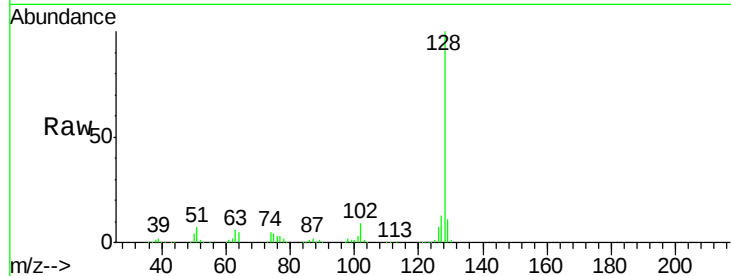
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	520545
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:19 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.852 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025357.D

Acq: 12 Jul 2018 22:23

Tgt Ion:	180	Resp:	166671
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.3
145	31.5	15.6	46.8

