

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110618\
 Data File : VU027980.D
 Acq On : 06 Nov 2018 12:31
 Operator : MD/SY
 Sample : VU1106WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:42:39 PM

Quant Time: Nov 06 12:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	348838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	317887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	151724	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	147056	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
35) Dibromofluoromethane	4.89	113	109455	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
50) Toluene-d8	7.57	98	424277	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	10.31	95	152866	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	40032	15.558	ug/l	100
3) Chloromethane	1.33	50	53685	17.252	ug/l	97
4) Vinyl Chloride	1.40	62	54362	17.601	ug/l	99
5) Bromomethane	1.63	94	25575	22.466	ug/l	99
6) Chloroethane	1.70	64	32948	18.512	ug/l	99
7) Trichlorofluoromethane	1.89	101	65498	18.352	ug/l	99
8) Diethyl Ether	2.11	74	29100	19.043	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38876	18.337	ug/l	98
10) Methyl Iodide	2.41	142	30810	21.127	ug/l	98
11) Tert butyl alcohol	2.83	59	69274	86.920	ug/l	100
12) 1,1-Dichloroethene	2.29	96	37529	17.684	ug/l	99
13) Acrolein	2.20	56	34486	113.936	ug/l	99
14) Allyl chloride	2.59	41	90488	17.446	ug/l	97
15) Acrylonitrile	2.94	53	182603	93.273	ug/l	99
16) Acetone	2.32	43	165586	88.651	ug/l	100
17) Carbon Disulfide	2.48	76	114923	16.567	ug/l	99
18) Methyl Acetate	2.62	43	93941	18.283	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	164944	19.273	ug/l	98
20) Methylene Chloride	2.70	84	50462	18.503	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	43367	17.707	ug/l	96
22) Diisopropyl ether	3.58	45	201574	18.824	ug/l	95
23) Vinyl Acetate	3.53	43	870561	94.595	ug/l	99
24) 1,1-Dichloroethane	3.45	63	98537	18.474	ug/l	100
25) 2-Butanone	4.26	43	270762	91.117	ug/l	98
26) 2,2-Dichloropropane	4.23	77	72648	18.150	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52627	19.162	ug/l	99
28) Bromochloromethane	4.55	49	50888	20.351	ug/l	99
29) Tetrahydrofuran	4.64	42	176284	88.842	ug/l	99
30) Chloroform	4.68	83	88863	18.170	ug/l	94
31) Cyclohexane	5.00	56	97283	17.487	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	73416	18.858	ug/l	99
36) 1,1-Dichloropropene	5.14	75	66780	18.278	ug/l	99
37) Ethyl Acetate	4.39	43	95750	17.886	ug/l	98
38) Carbon Tetrachloride	5.14	117	57503	17.760	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110618\
 Data File : VU027980.D
 Acq On : 06 Nov 2018 12:31
 Operator : MD/SY
 Sample : VU1106WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU1106WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:42:39 PM

Quant Time: Nov 06 12:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	81931	18.593	ug/l	98
40) Benzene	5.39	78	210013	18.801	ug/l	97
41) Methacrylonitrile	4.55	41	55670	19.487	ug/l	98
42) 1,2-Dichloroethane	5.41	62	74178	18.682	ug/l	99
43) Isopropyl Acetate	5.55	43	154724	18.448	ug/l	99
44) Trichloroethene	6.19	130	45759	19.058	ug/l	94
45) 1,2-Dichloropropane	6.43	63	61442	19.073	ug/l	99
46) Dibromomethane	6.56	93	35509	19.177	ug/l	96
47) Bromodichloromethane	6.76	83	68019	19.061	ug/l	97
48) Methyl methacrylate	6.62	41	76090	18.514	ug/l	97
49) 1,4-Dioxane	6.61	88	24527	365.782	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	518141	92.508	ug/l	100
52) Toluene	7.64	92	121832	18.553	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	76474	18.013	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	86765	19.724	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	49358	18.474	ug/l	97
56) Ethyl methacrylate	8.02	69	90912	19.296	ug/l	99
57) 1,3-Dichloropropane	8.24	76	92469	19.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	238003	94.320	ug/l	99
59) 2-Hexanone	8.36	43	397262	91.704	ug/l	100
60) Dibromochloromethane	8.48	129	48484	19.178	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53264	18.762	ug/l	97
64) Tetrachloroethene	8.23	164	38522	18.689	ug/l	99
65) Chlorobenzene	9.12	112	126143	18.782	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	44549	19.420	ug/l	100
67) Ethyl Benzene	9.25	91	237128	19.182	ug/l	99
68) m/p-Xylenes	9.38	106	174927	38.998	ug/l	99
69) o-Xylene	9.78	106	85709	18.923	ug/l	99
70) Styrene	9.79	104	138818	19.181	ug/l	100
71) Bromoform	9.96	173	36008	18.729	ug/l #	100
73) Isopropylbenzene	10.17	105	228842	19.469	ug/l	100
74) N-amyl acetate	10.02	43	137594	19.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	93128	19.642	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	90292m	21.757	ug/l	
77) Bromobenzene	10.45	156	53723	19.933	ug/l	98
78) n-propylbenzene	10.59	91	273952	19.472	ug/l	100
79) 2-Chlorotoluene	10.66	91	162663	19.288	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	191554	19.673	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	33552m	20.343	ug/l	
82) 4-Chlorotoluene	10.77	91	181210	18.927	ug/l	98
83) tert-Butylbenzene	11.10	119	185476	19.054	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	190390	19.418	ug/l	99
85) sec-Butylbenzene	11.32	105	235628	19.904	ug/l	99
86) p-Isopropyltoluene	11.48	119	194903	19.694	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	94554	18.992	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	96619	18.934	ug/l	99
89) n-Butylbenzene	11.89	91	180515	19.193	ug/l	99
90) Hexachloroethane	12.14	117	33548	19.041	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	96566	19.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19134	19.153	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110618\
Data File : VU027980.D
Acq On : 06 Nov 2018 12:31
Operator : MD/SY
Sample : VU1106WBSD01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM

Quant Time: Nov 06 12:59:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	62990	18.378	ug/l	98
94) Hexachlorobutadiene	13.69	225	30828	19.373	ug/l	97
95) Naphthalene	13.74	128	231351	18.475	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65567	19.516	ug/l	99

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

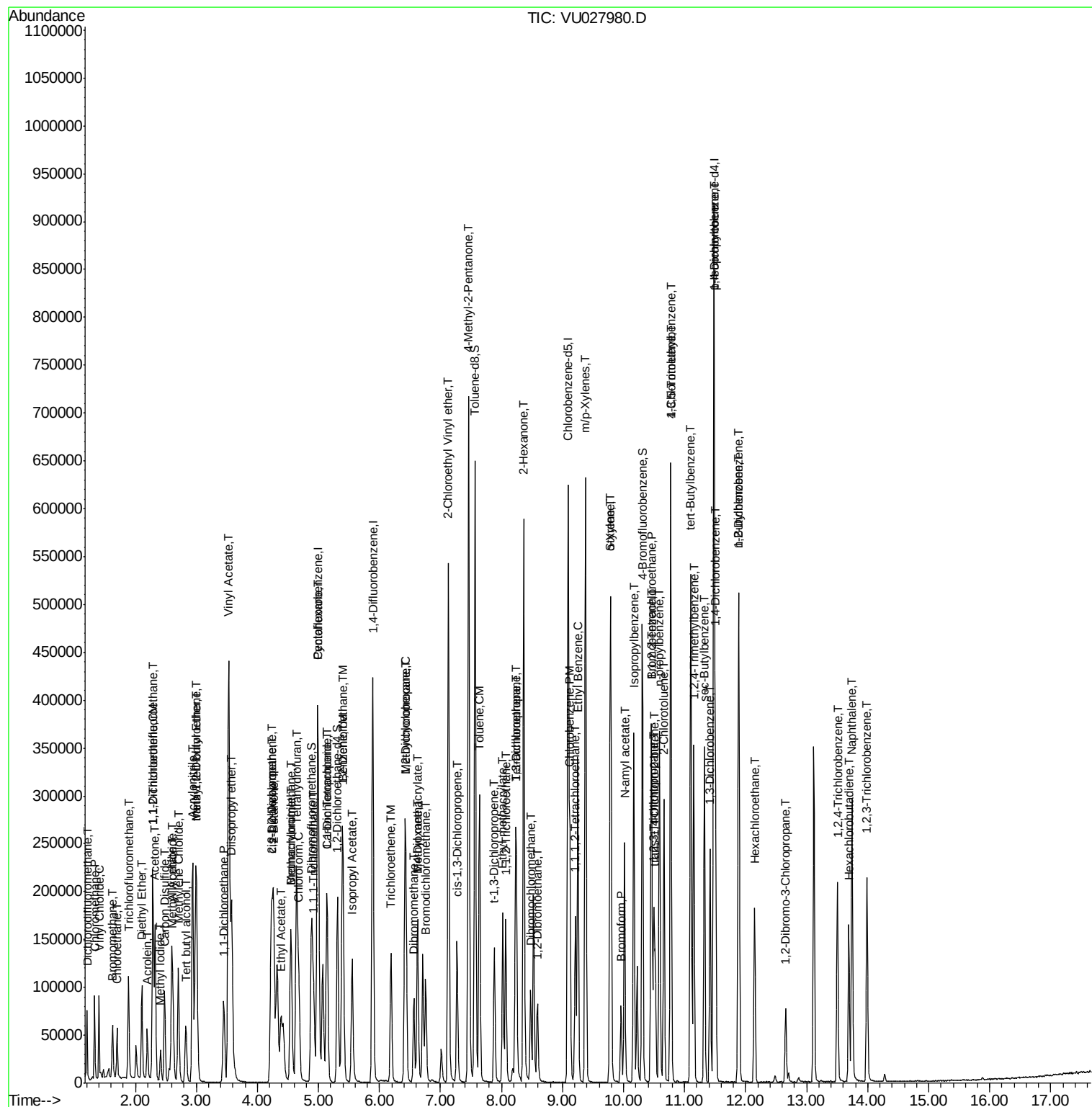
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110618\
 Data File : VU027980.D
 Acq On : 06 Nov 2018 12:31
 Operator : MD/SY
 Sample : VU1106WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

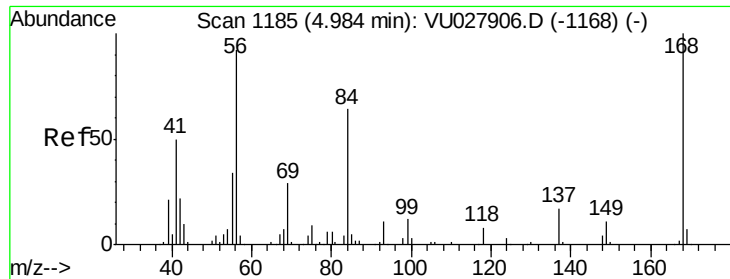
Instrument :
 MSVOA_U
 Client Sample ID :
 VU1106WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:42:39 PM

Quant Time: Nov 06 12:59:27 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion:168 Resp: 202491

Ion Ratio Lower Upper

168 100

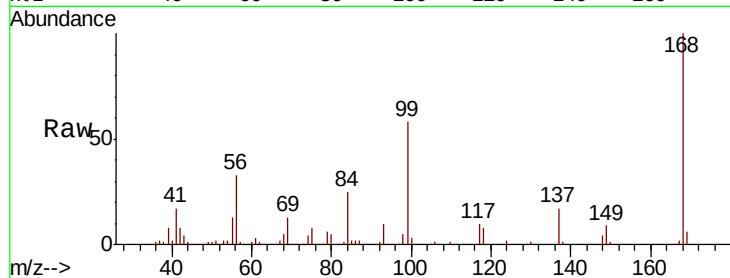
99 57.6 47.9 71.9

Manual Integrations

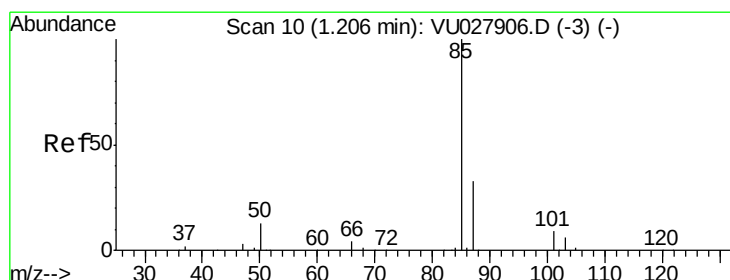
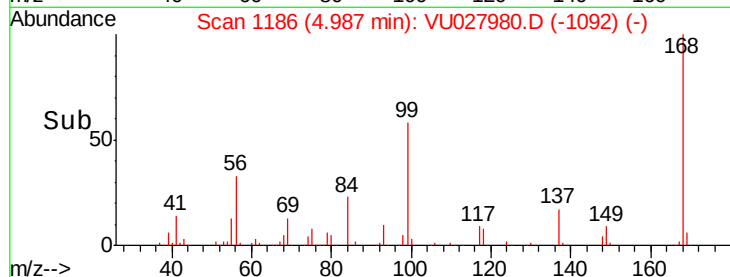
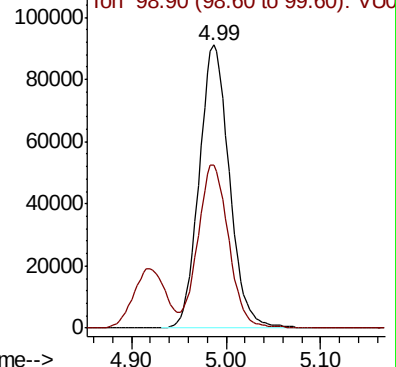
APPROVED

MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 15.558 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027980.D

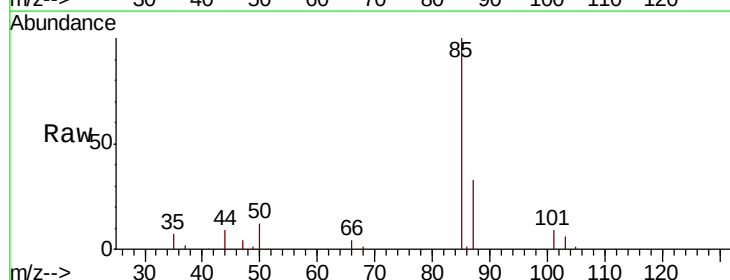
Acq: 06 Nov 2018 12:31

Tgt Ion: 85 Resp: 40032

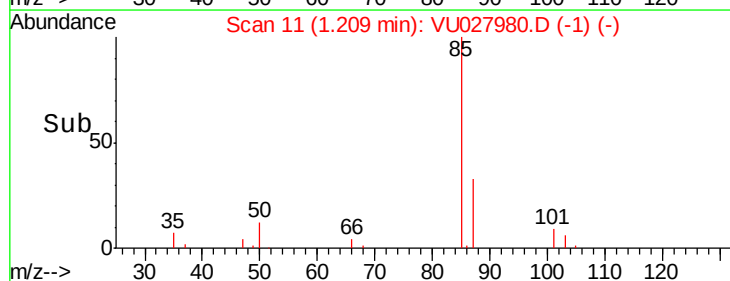
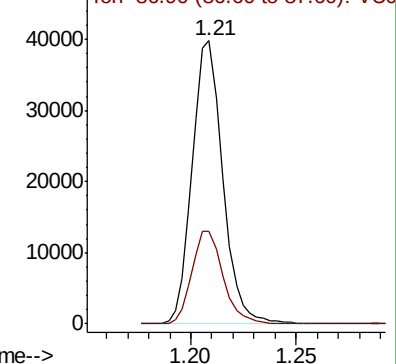
Ion Ratio Lower Upper

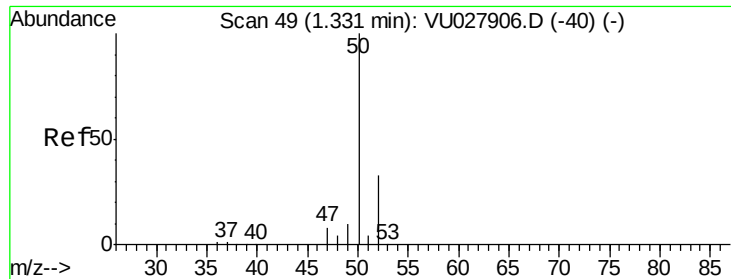
85 100

87 32.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)





#3

Chloromethane

Concen: 17.252 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 50 Resp: 53685

Ion Ratio Lower Upper

50 100

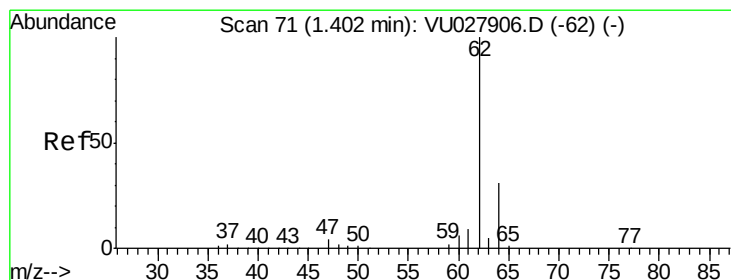
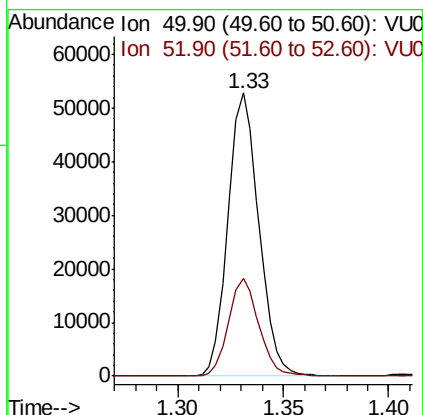
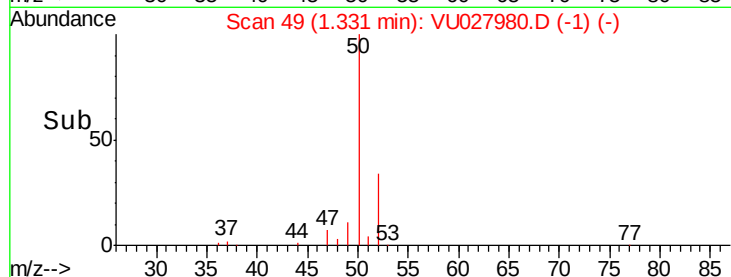
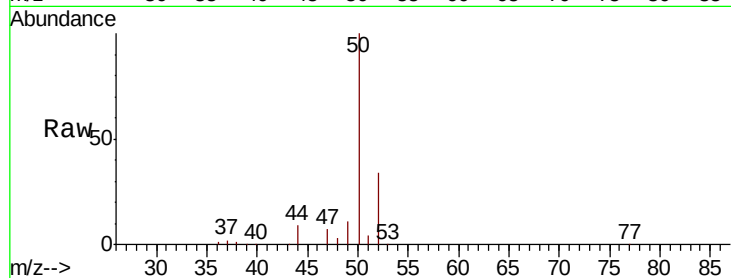
52 34.4 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:42:39 PM



#4

Vinyl Chloride

Concen: 17.601 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027980.D

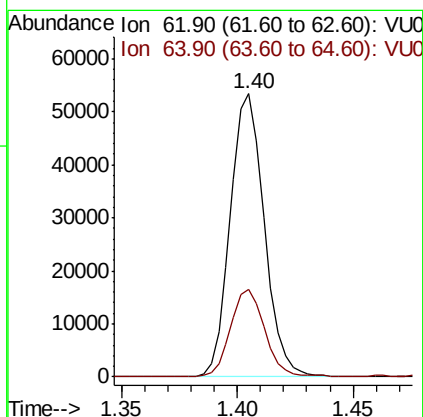
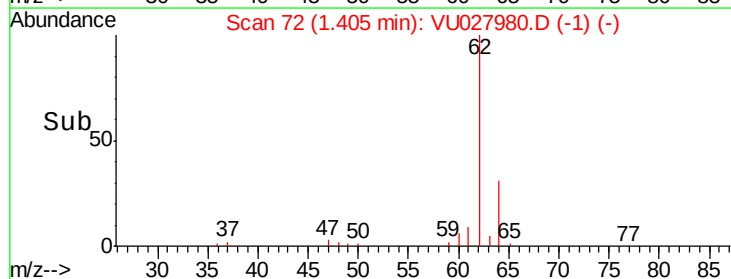
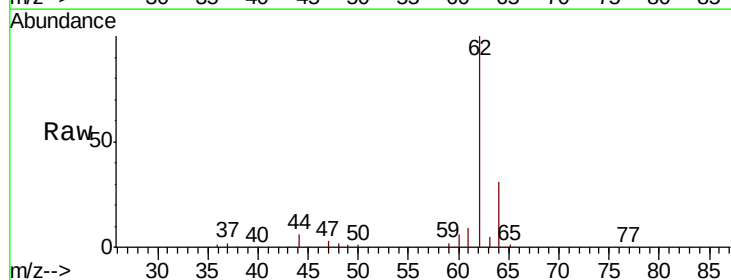
Acq: 06 Nov 2018 12:31

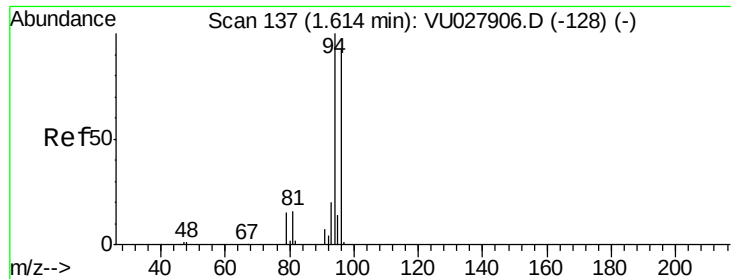
Tgt Ion: 62 Resp: 54362

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 22.466 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 94 Resp: 25575

Ion Ratio Lower Upper

94 100

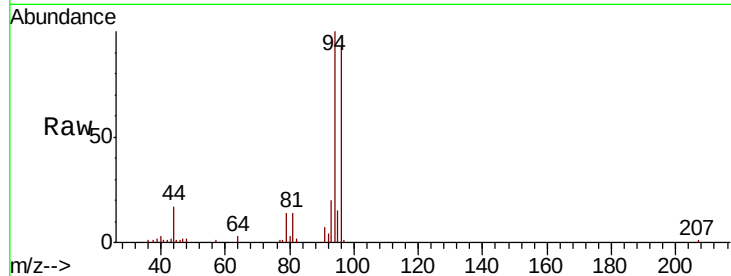
96 92.9 74.8 112.2

Manual Integrations

APPROVED

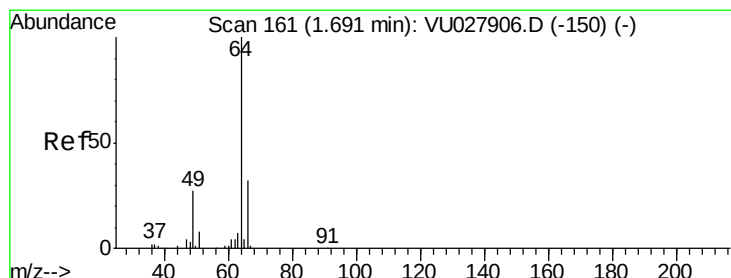
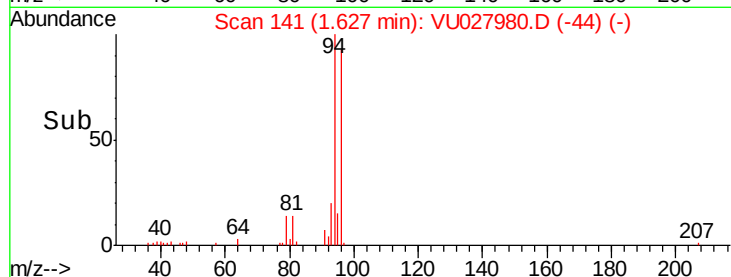
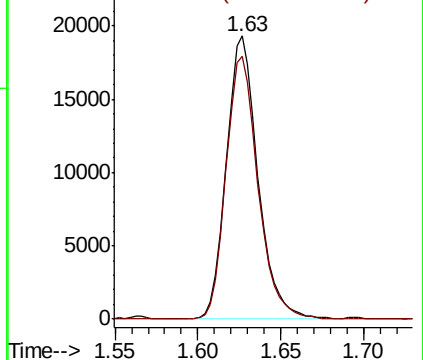
MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.512 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027980.D

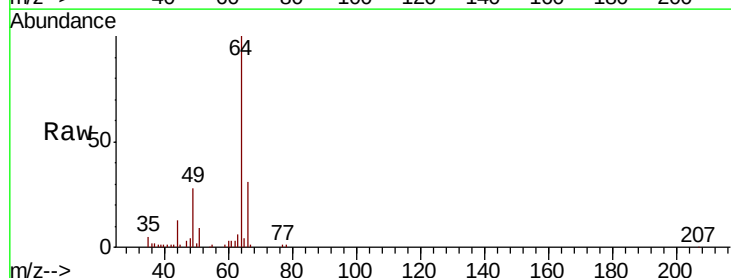
Acq: 06 Nov 2018 12:31

Tgt Ion: 64 Resp: 32948

Ion Ratio Lower Upper

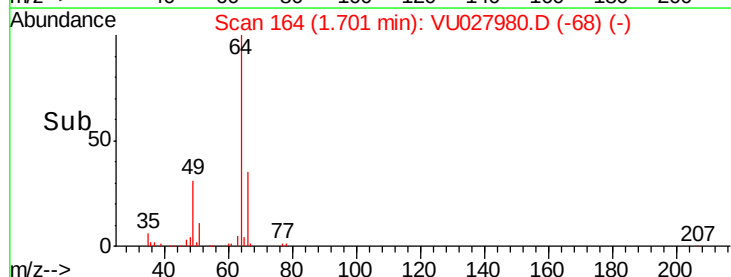
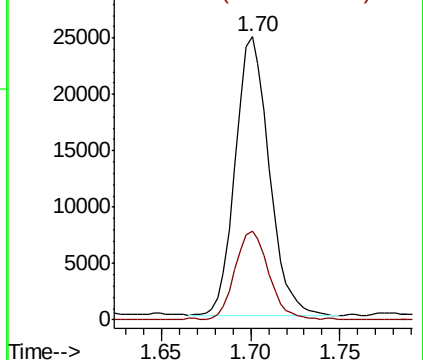
64 100

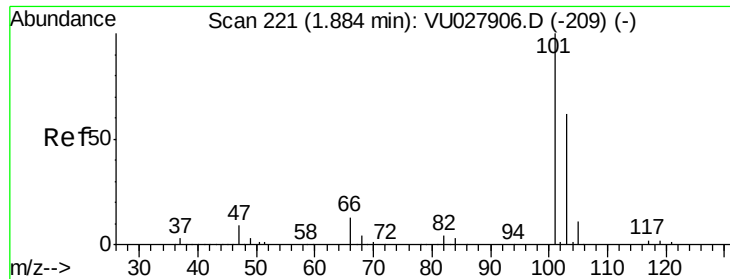
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

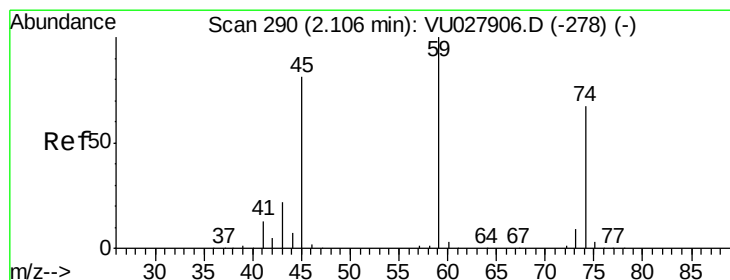
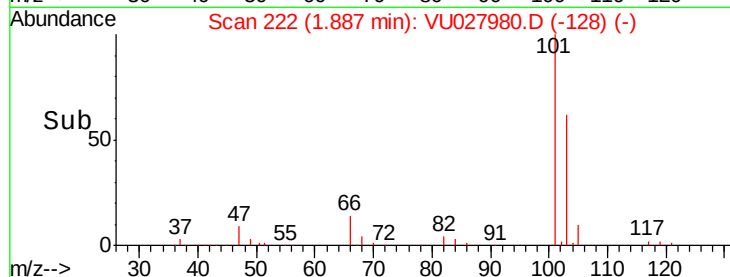
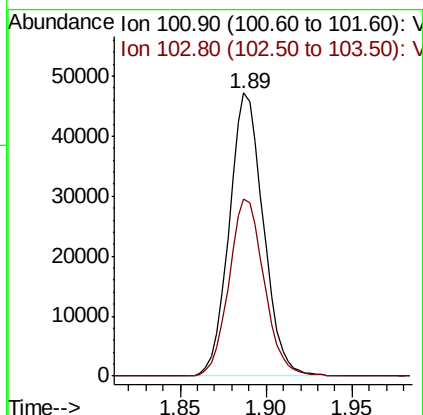
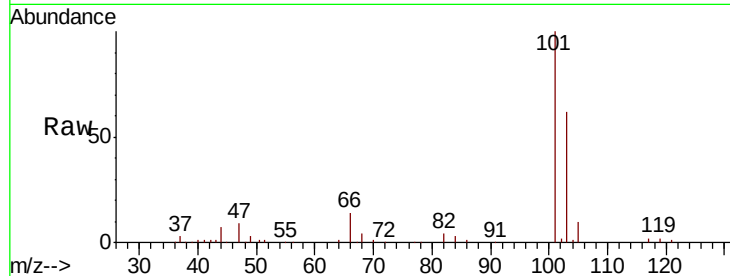
Trichlorofluoromethane
Concen: 18.352 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion:101 Resp: 65498
Ion Ratio Lower Upper
101 100
103 62.5 49.4 74.2

Manual Integrations
APPROVED

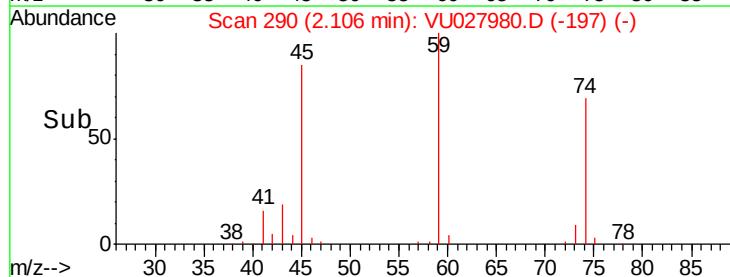
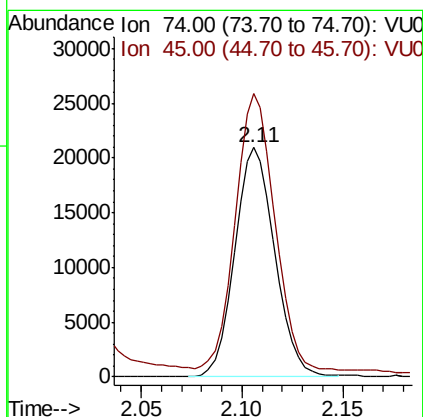
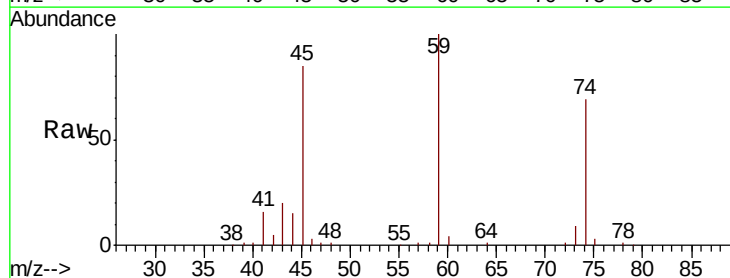
MMDadoda
11/6/2018 5:42:39 PM

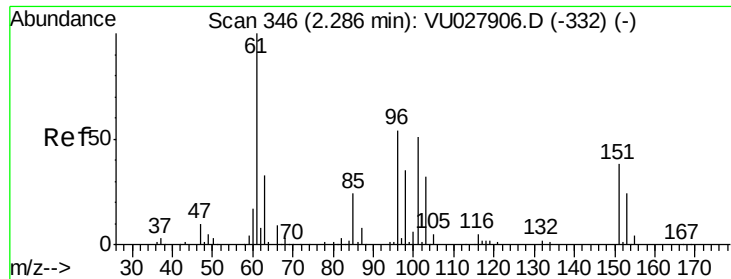


#8

Diethyl Ether
Concen: 19.043 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion: 74 Resp: 29100
Ion Ratio Lower Upper
74 100
45 125.3 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.337 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

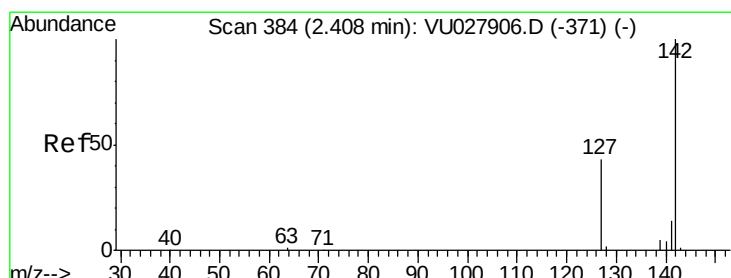
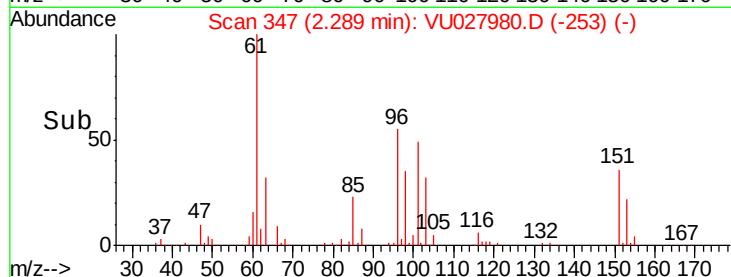
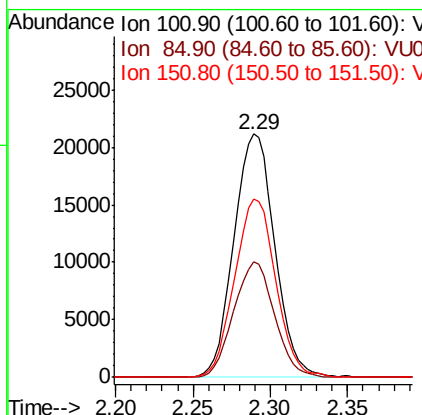
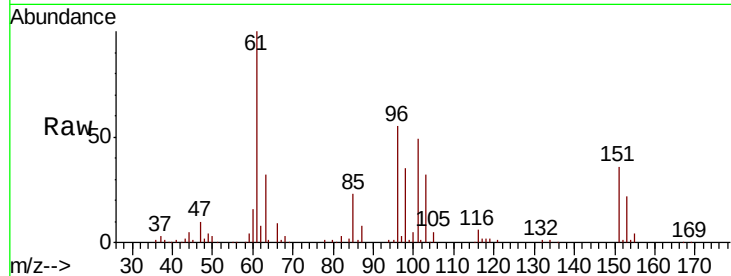
ClientSampleId :

VU1106WBSD01

Tot Ion:	101	Resp:	38876
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.9	55.3
151	73.8	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#10

Methyl Iodide

Concen: 21.127 ug/l

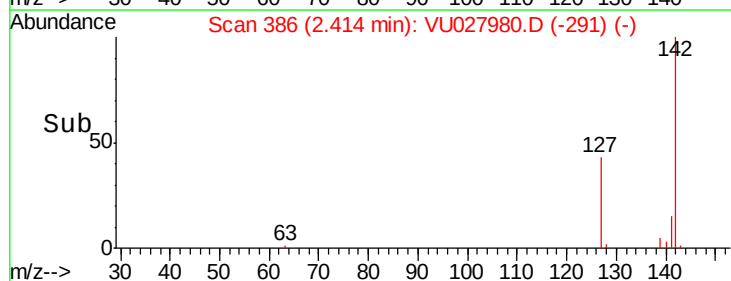
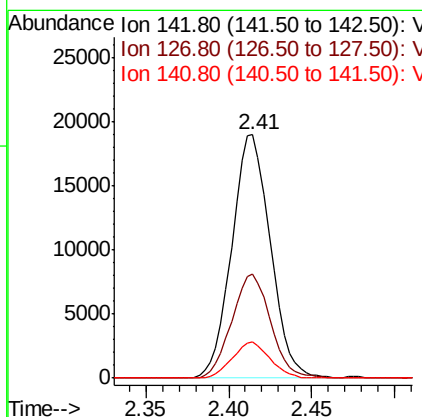
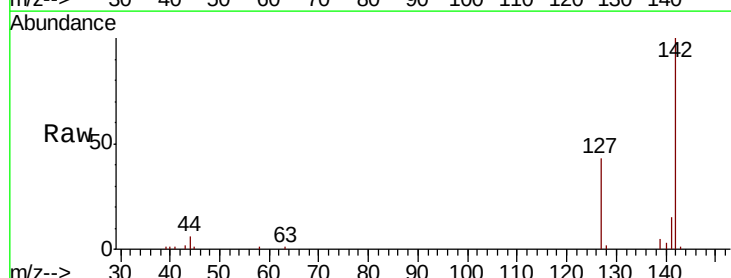
RT: 2.41 min Scan# 386

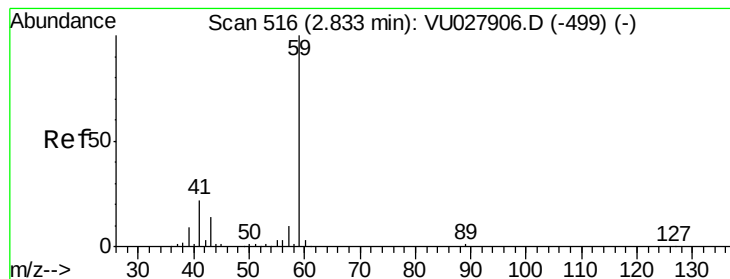
Delta R.T. 0.01 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	142	Resp:	30810
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.2	52.8
141	14.3	11.8	17.8





#11

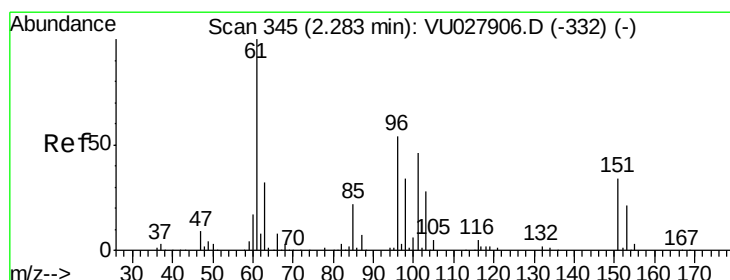
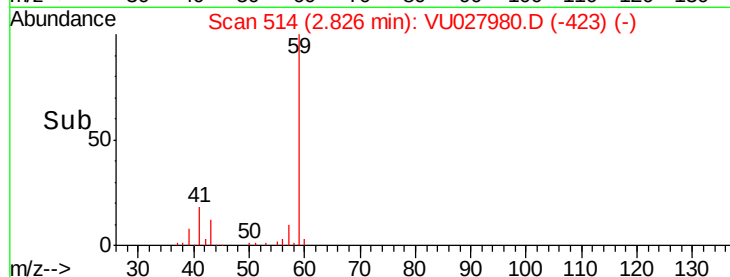
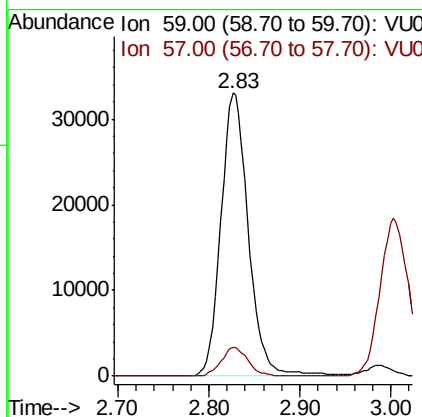
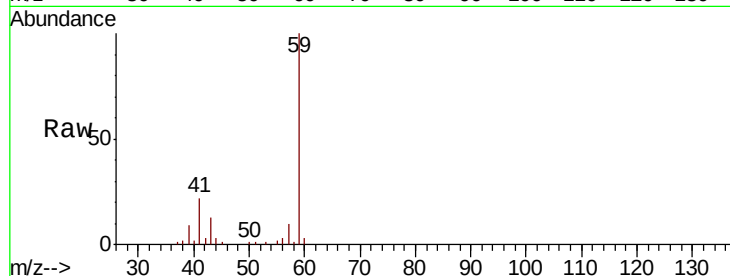
Tert butyl alcohol
Concen: 86.920 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

Manual Integrations
APPROVED

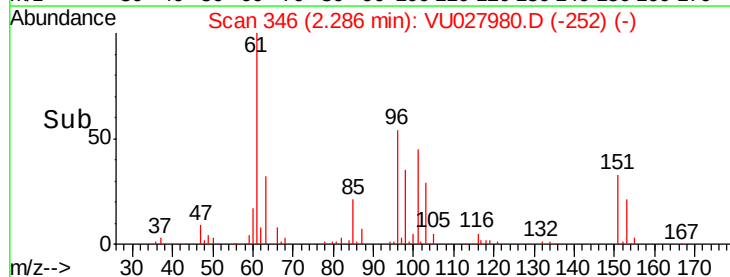
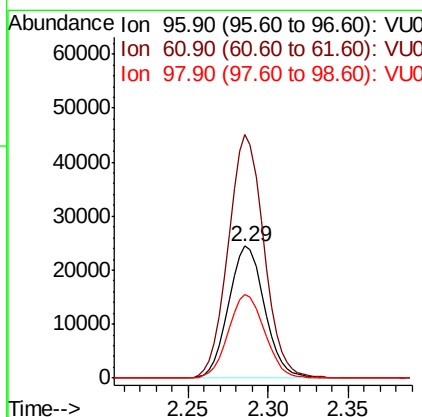
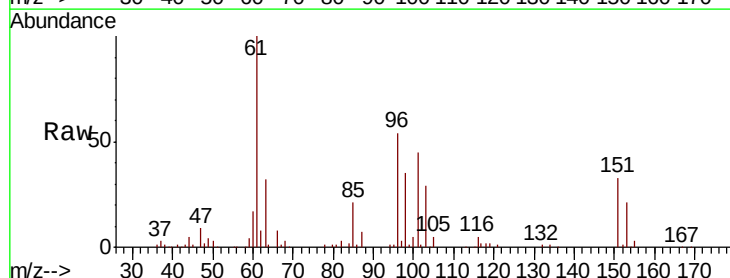
MMDadoda
11/6/2018 5:42:39 PM

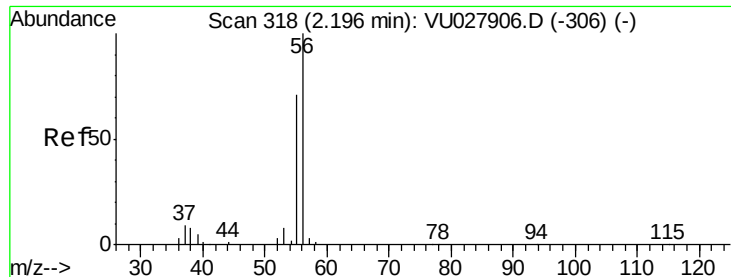


#12

1,1-Dichloroethene
Concen: 17.684 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.4	149.3	223.9
98	63.8	50.6	75.8





#13

Acrolein

Concen: 113.936 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 56 Resp: 34486

Ion Ratio Lower Upper

56 100

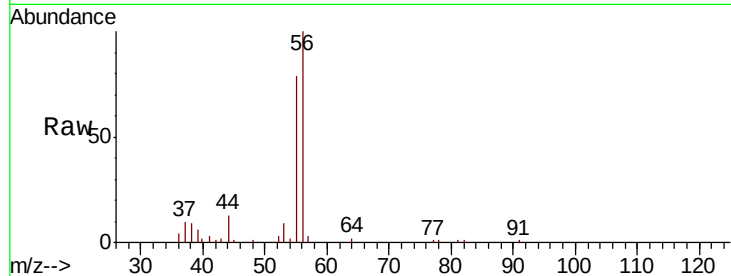
55 71.0 56.2 84.4

Manual Integrations

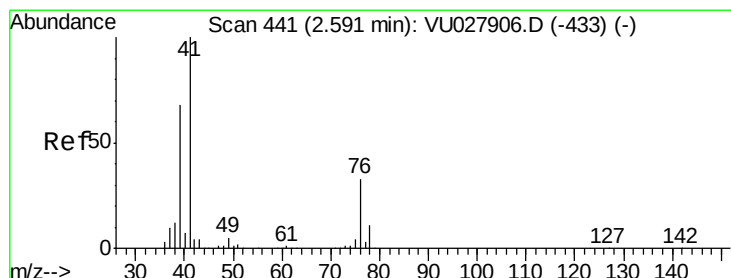
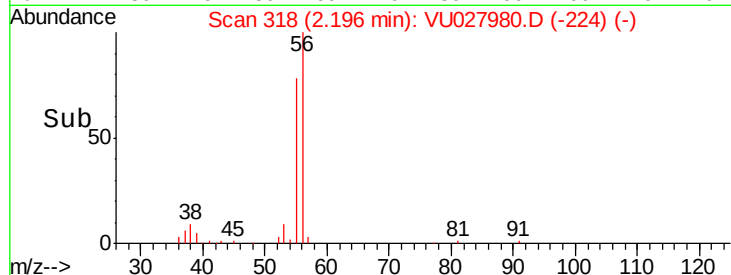
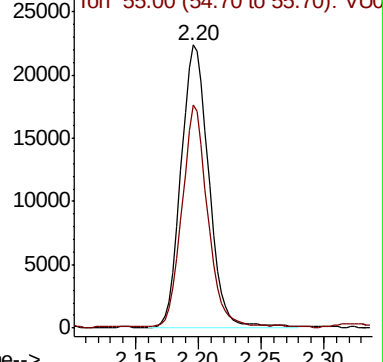
APPROVED

MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 56.00 (55.70 to 56.70): VU027980.D (-224) (-)



#14

Allyl chloride

Concen: 17.446 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

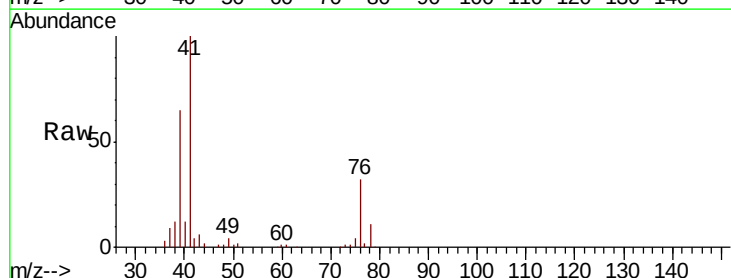
Tgt Ion: 41 Resp: 90488

Ion Ratio Lower Upper

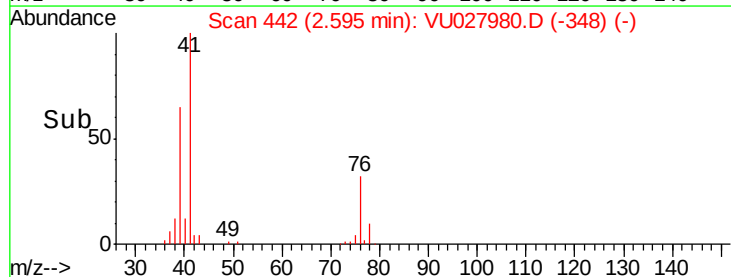
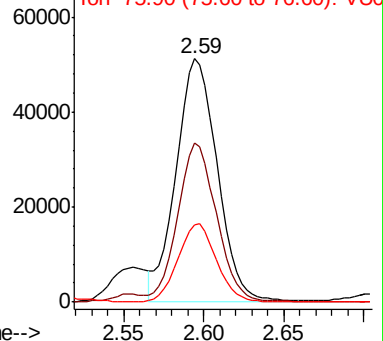
41 100

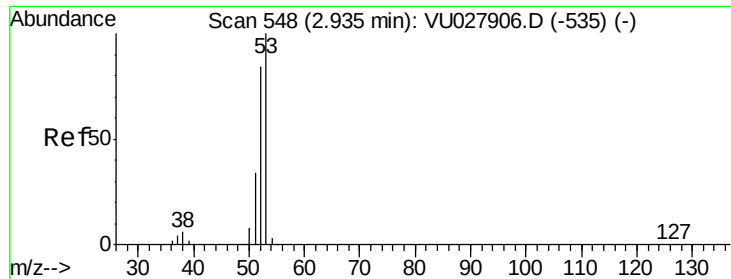
39 61.8 51.9 77.9

76 30.1 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU027980.D (-348) (-)





#15

Acrylonitrile

Concen: 93.273 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

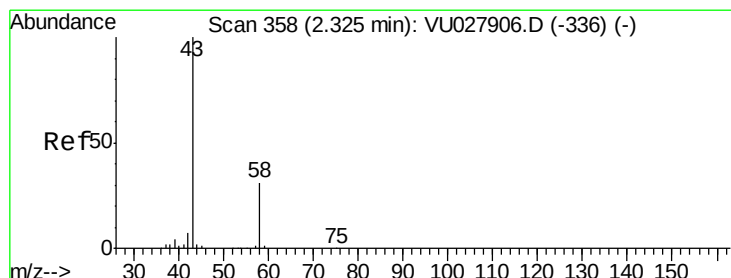
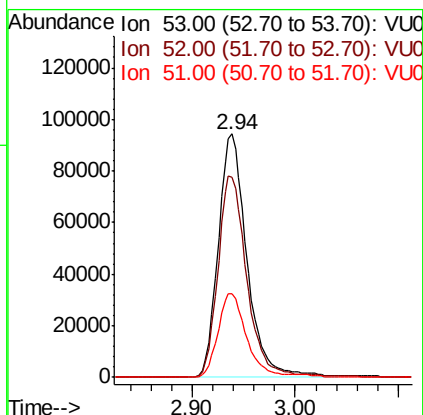
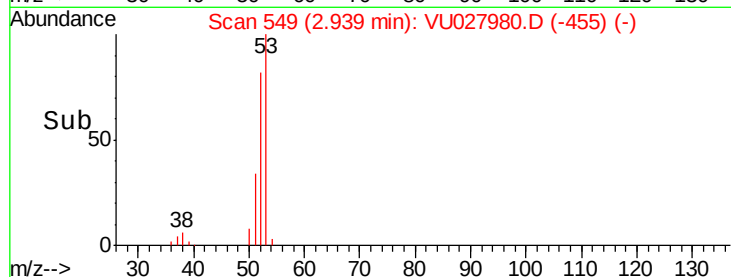
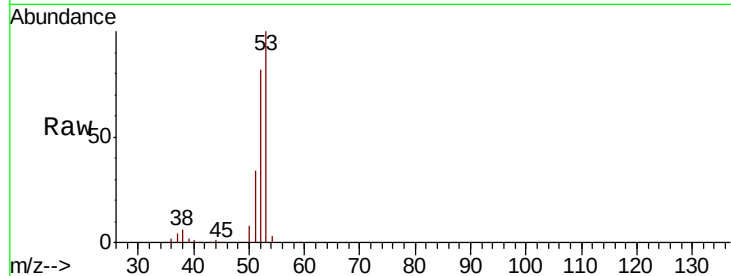
ClientSampleId :

VU1106WBSD01

Tot Ion:	53	Resp:	182603
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.2
51	34.1	27.0	40.4

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#16

Acetone

Concen: 88.651 ug/l

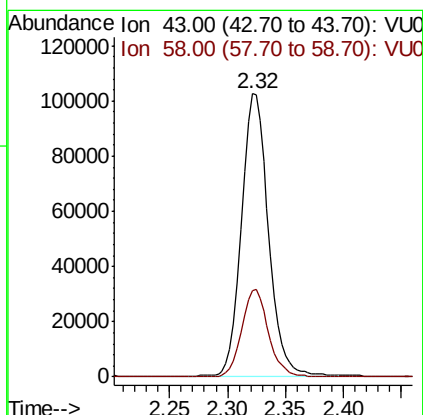
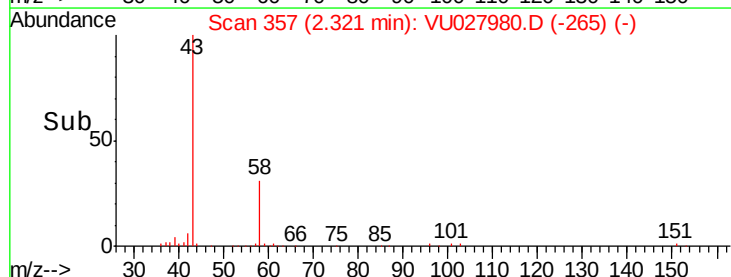
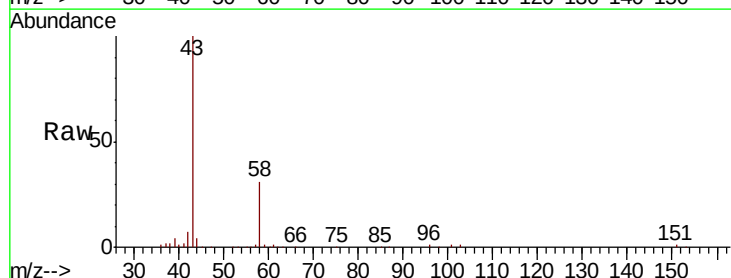
RT: 2.32 min Scan# 357

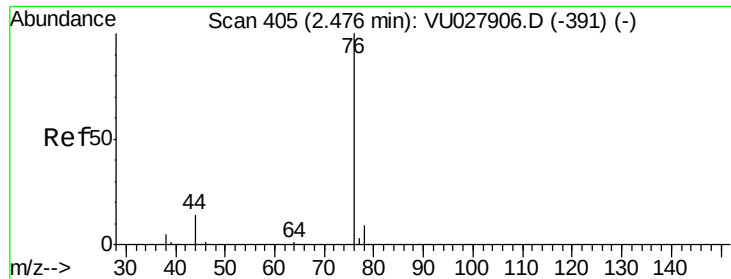
Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	43	Resp:	165586
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.6	37.0





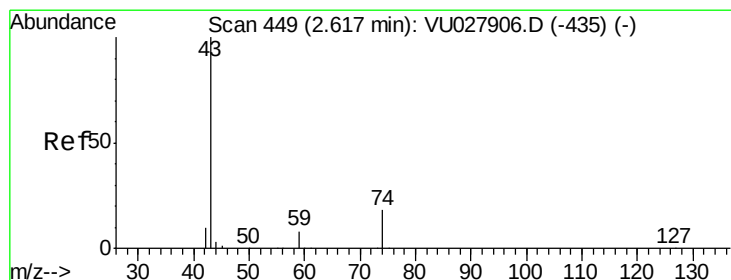
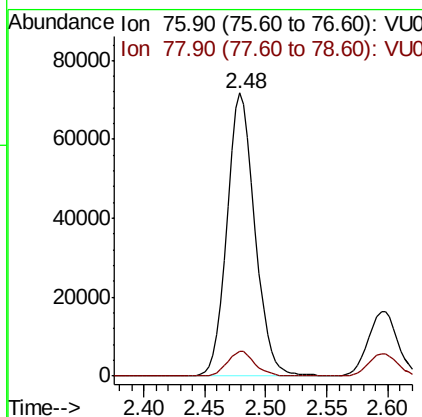
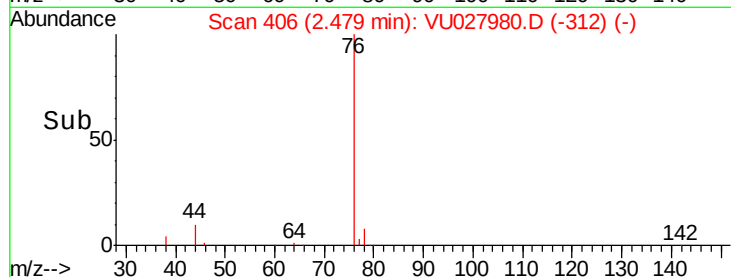
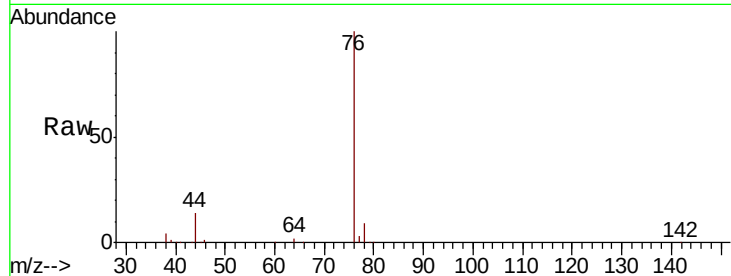
#17
Carbon Disulfide
Concen: 16.567 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion: 76 Resp: 114923
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

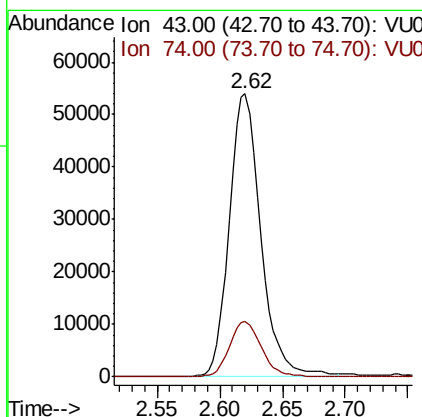
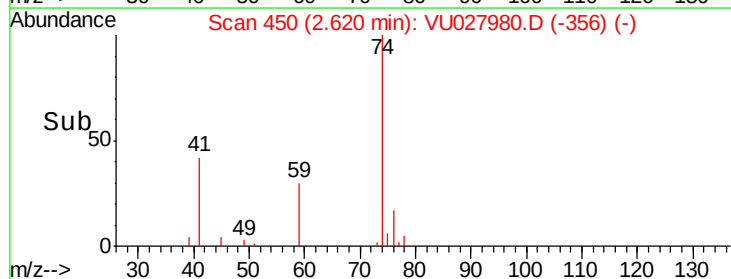
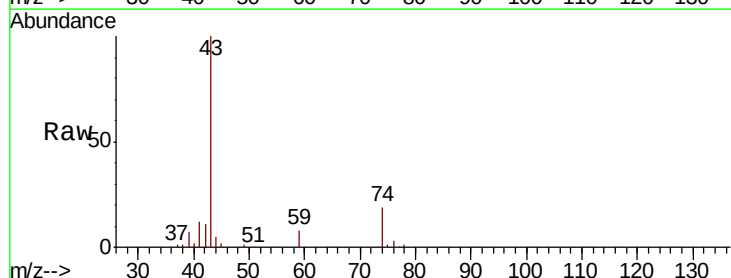
Manual Integrations
APPROVED

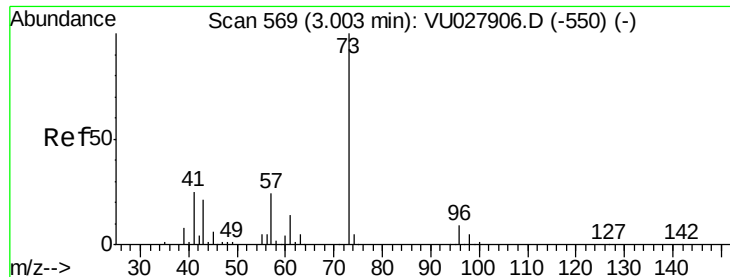
MMDadoda
11/6/2018 5:42:39 PM



#18
Methyl Acetate
Concen: 18.283 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion: 43 Resp: 93941
Ion Ratio Lower Upper
43 100
74 20.1 14.9 22.3





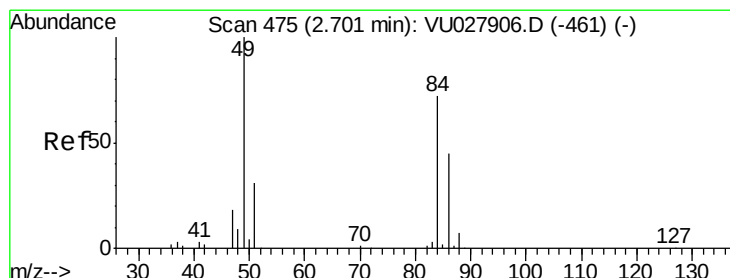
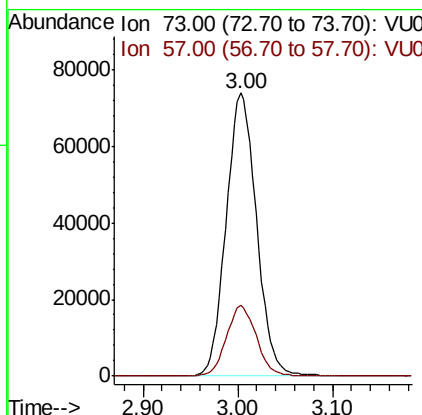
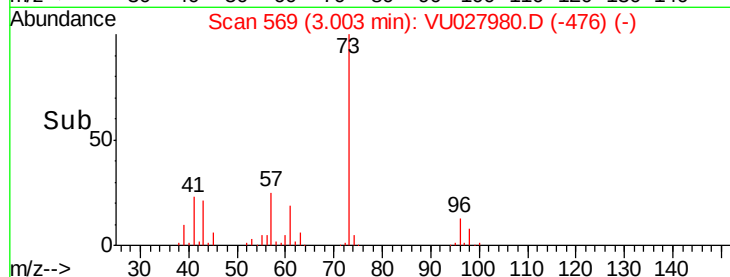
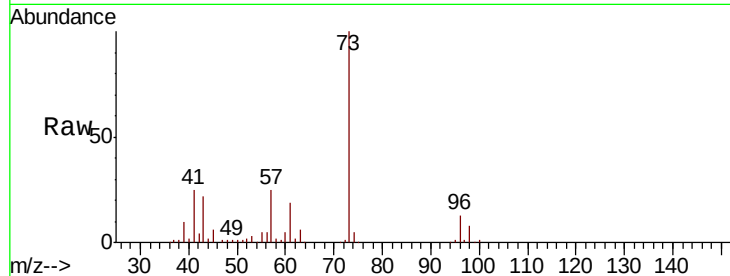
#19
Methyl tert-butyl Ether
Concen: 19.273 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	73	Resp	164944
Ion Ratio	100	Lower	Upper
73	100	19.3	28.9
57	25.0		

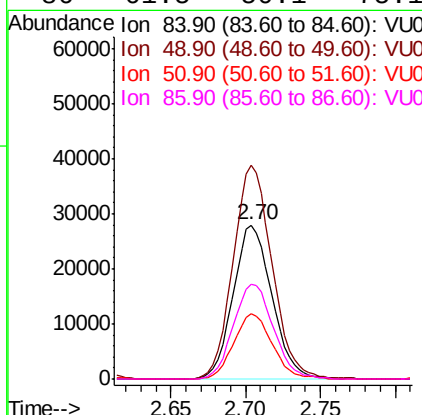
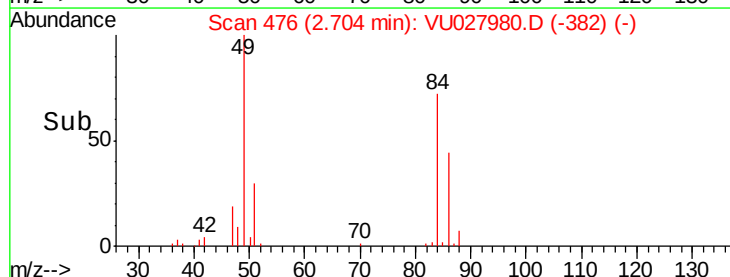
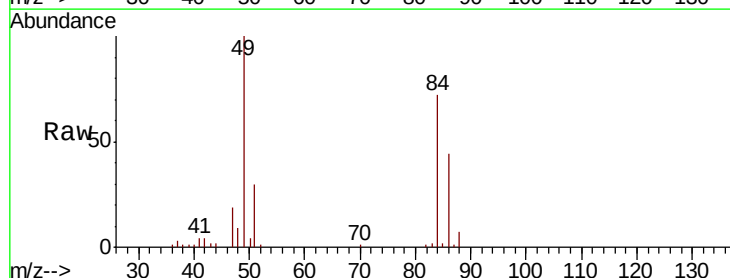
Manual Integrations
APPROVED

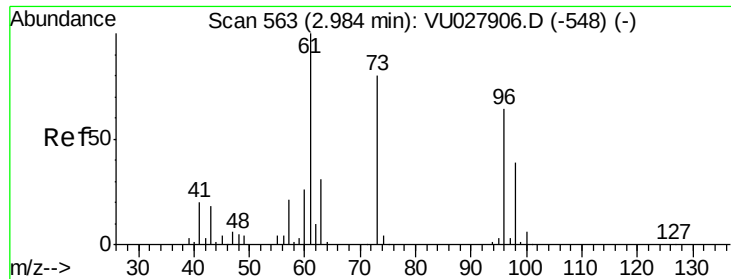
MMDadoda
11/6/2018 5:42:39 PM



#20
Methylene Chloride
Concen: 18.503 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	84	Resp	50462
Ion Ratio	100	Lower	Upper
84	100	111.6	167.4
49	139.0	34.8	52.2
51	42.3	50.1	75.1
86	61.5		





#21

trans-1,2-Dichloroethene

Concen: 17.707 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

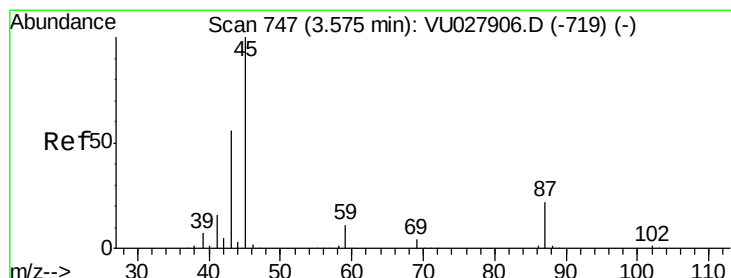
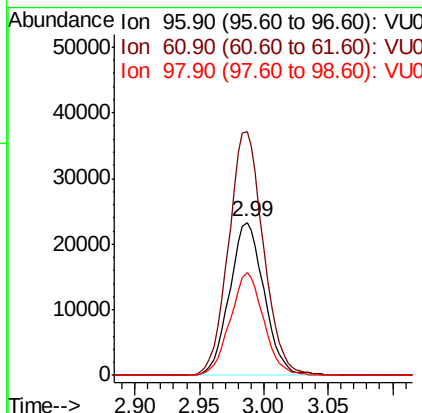
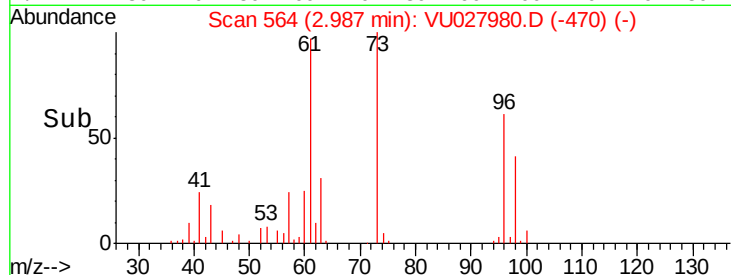
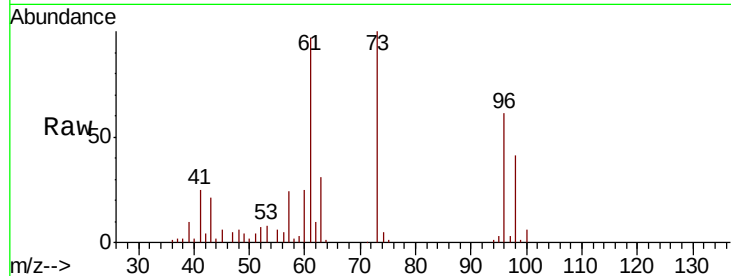
ClientSampled :

VU1106WBSD01

Tot Ion:	96	Resp:	43367
Ion	Ratio	Lower	Upper
96	100		
61	159.0	125.0	187.6
98	67.0	48.2	72.4

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#22

Diisopropyl ether

Concen: 18.824 ug/l

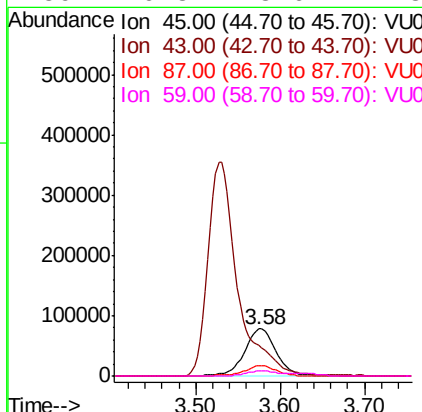
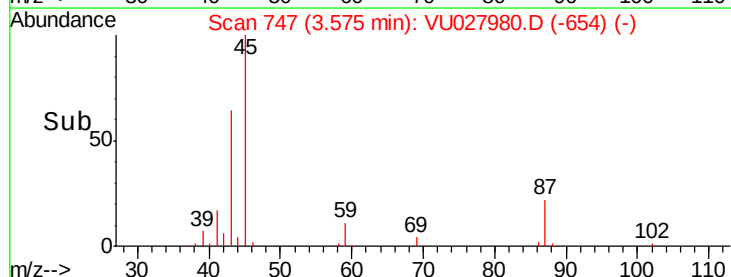
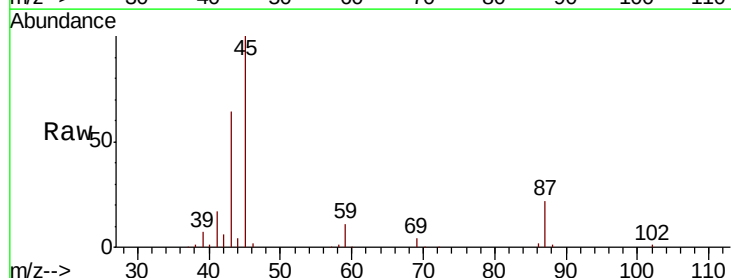
RT: 3.58 min Scan# 747

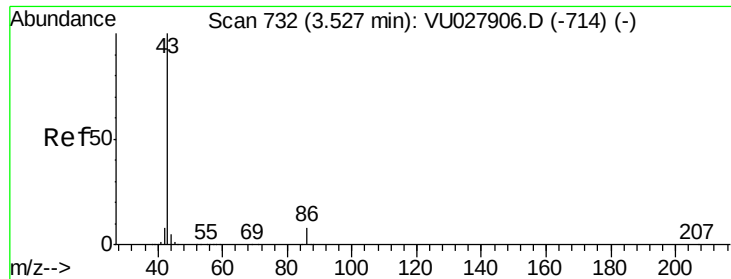
Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	45	Resp:	201574
Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.0	67.6
87	21.7	17.9	26.9
59	10.8	8.6	12.8





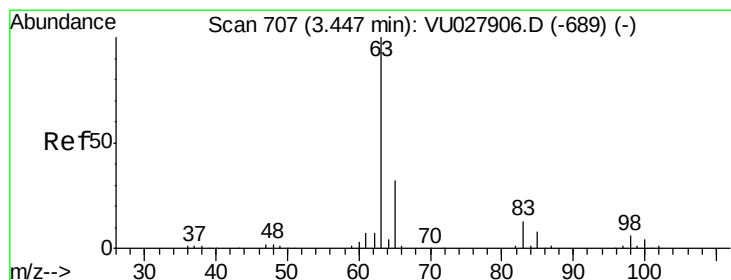
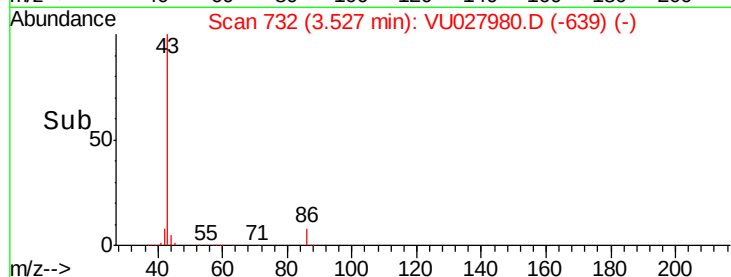
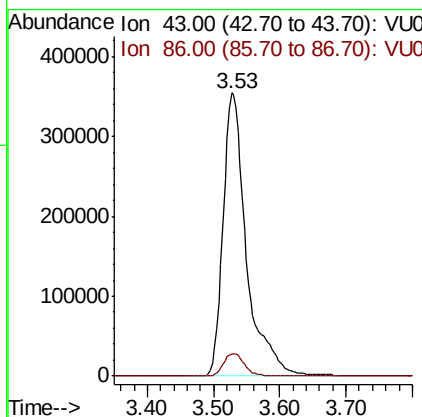
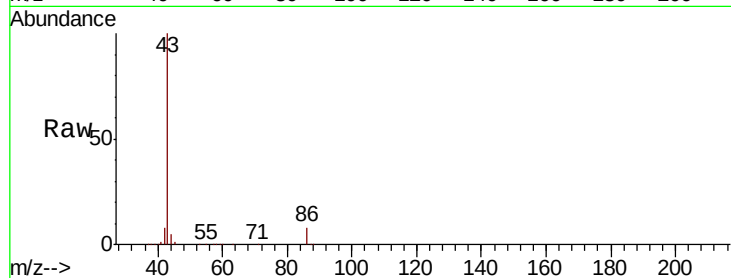
#23
 Vinyl Acetate
 Concen: 94.595 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.6	9.8

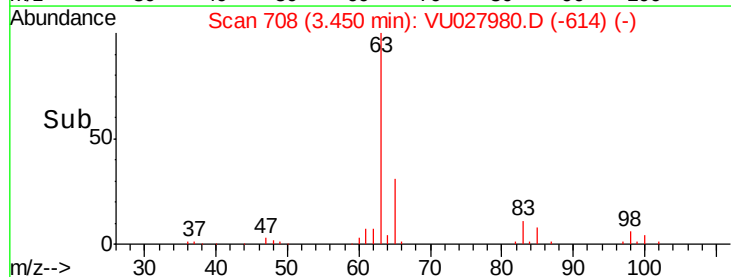
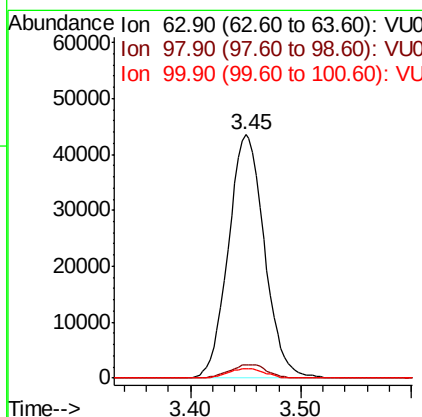
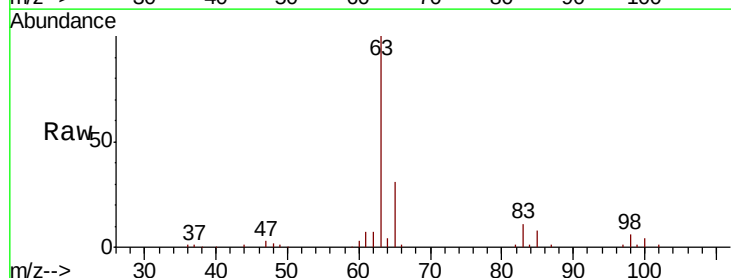
Manual Integrations
 APPROVED

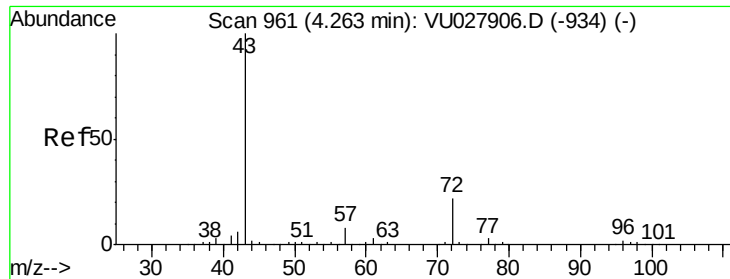
MMDadoda
 11/6/2018 5:42:39 PM



#24
 1,1-Dichloroethane
 Concen: 18.474 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.9	8.6
100	4.1	2.0	6.0





#25

2-Butanone

Concen: 91.117 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 43 Resp: 270762

Ion Ratio Lower Upper

43 100

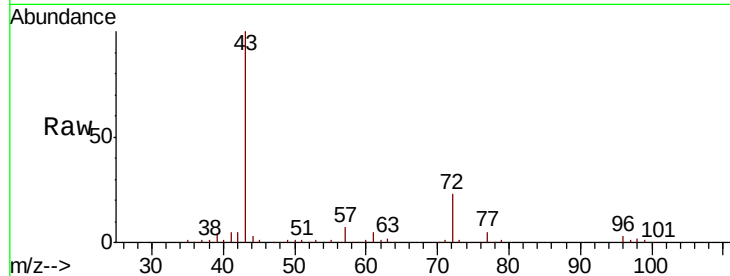
72 23.2 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

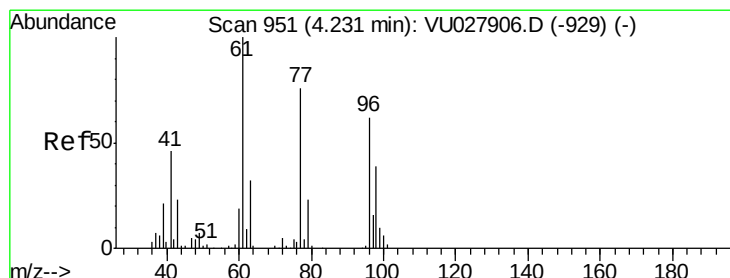
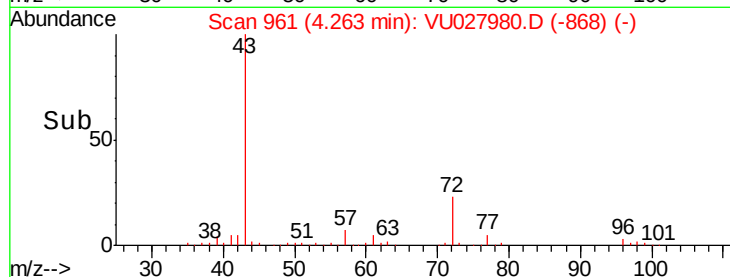
40000

20000

0

4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 18.150 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027980.D

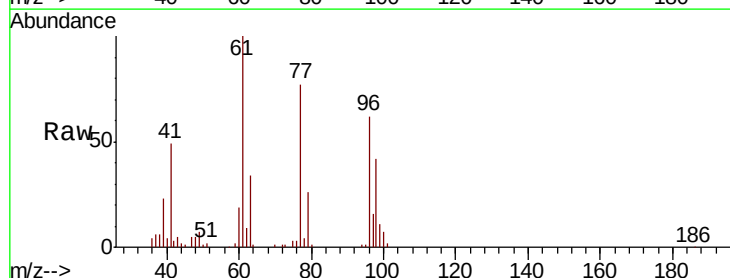
Acq: 06 Nov 2018 12:31

Tgt Ion: 77 Resp: 72648

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

25000

20000

15000

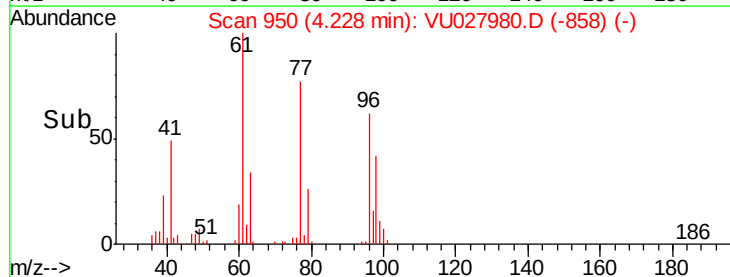
10000

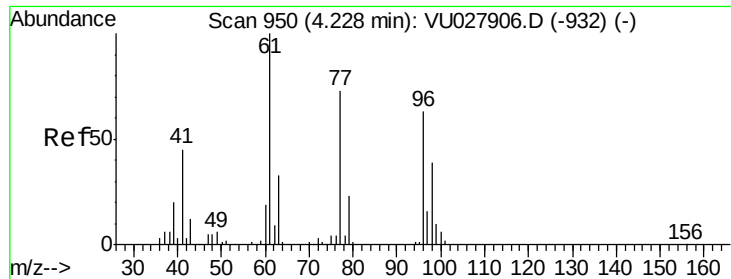
5000

0

4.10 4.20 4.30

Time-->





#27

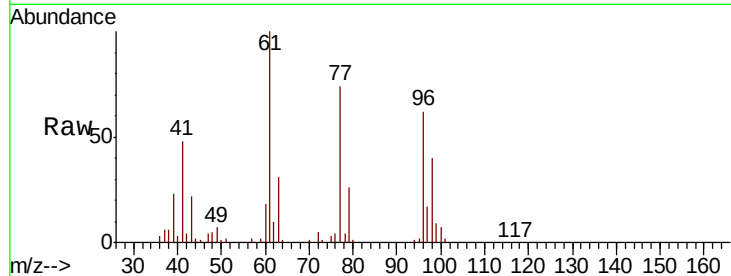
cis-1,2-Dichloroethene
Concen: 19.162 ug/l
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.2	0.0	329.6
98	64.5	0.0	127.2

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM

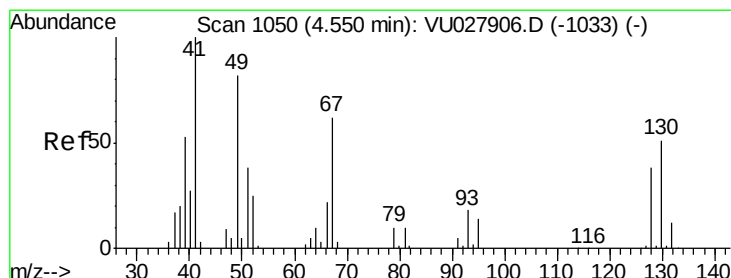
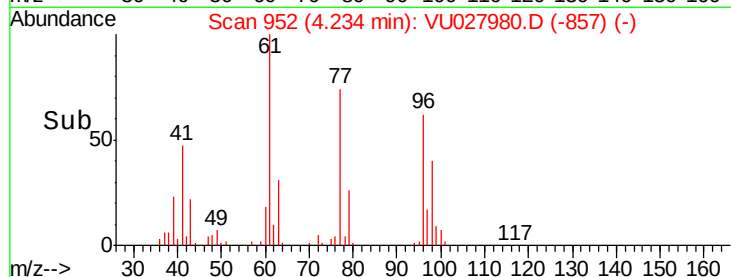
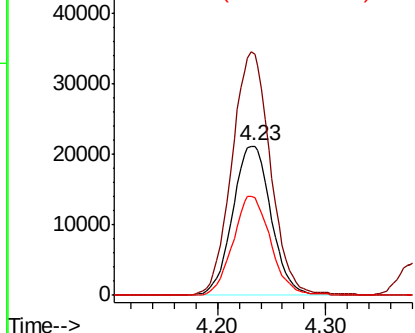


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

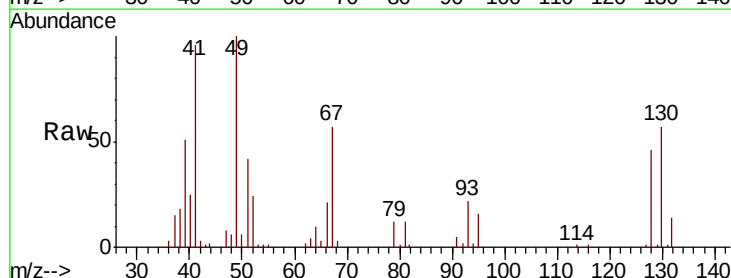
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 20.351 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	60.5	47.8	71.6

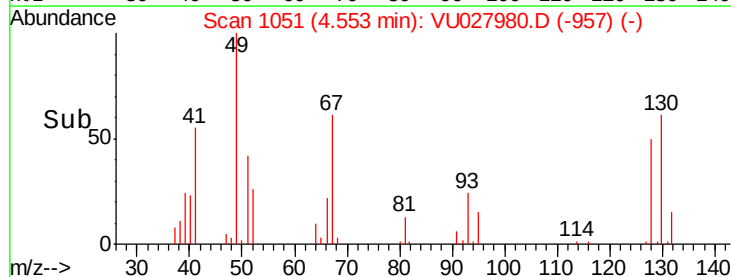
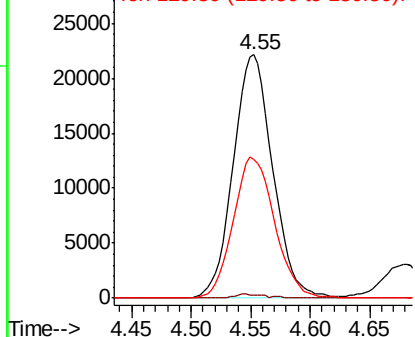


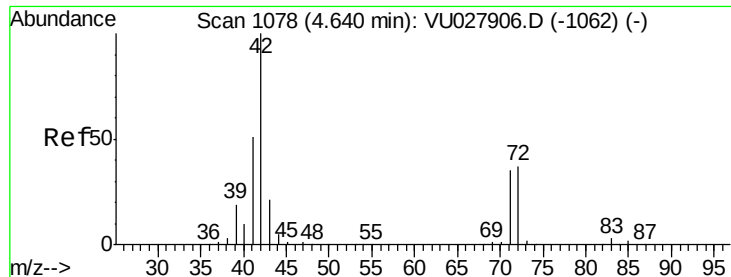
Abundance

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





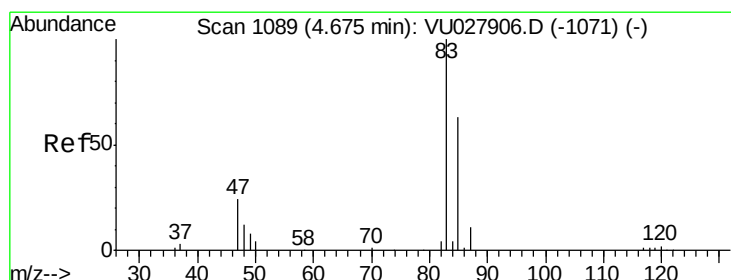
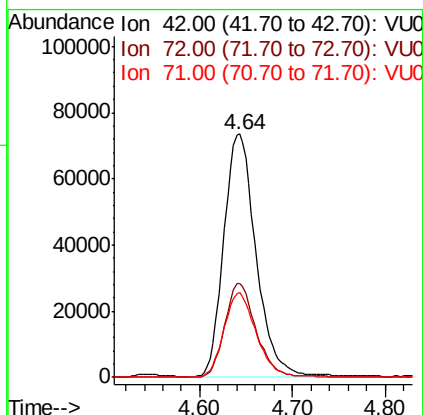
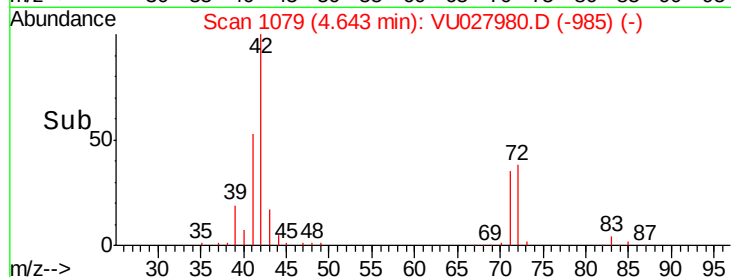
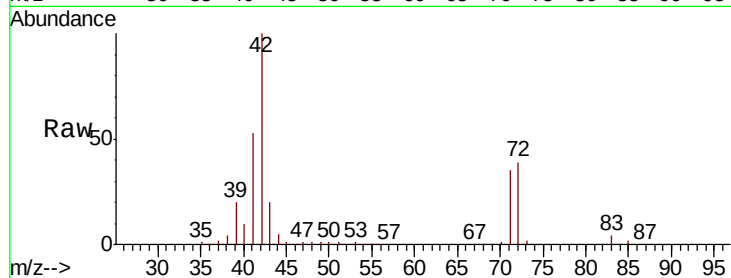
#29
Tetrahydrofuran
Concen: 88.842 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.4	44.0
71	34.8	27.9	41.9

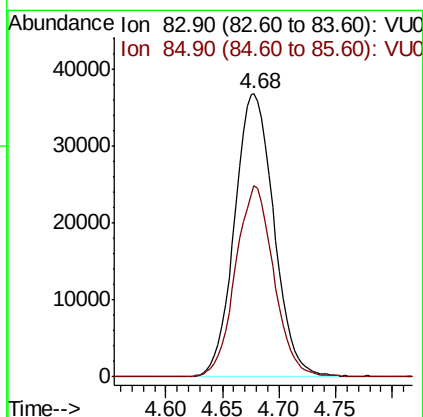
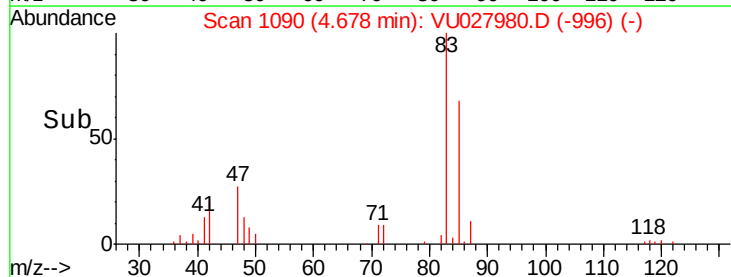
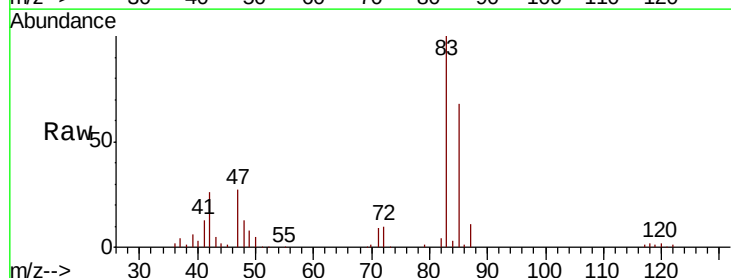
Manual Integrations
APPROVED

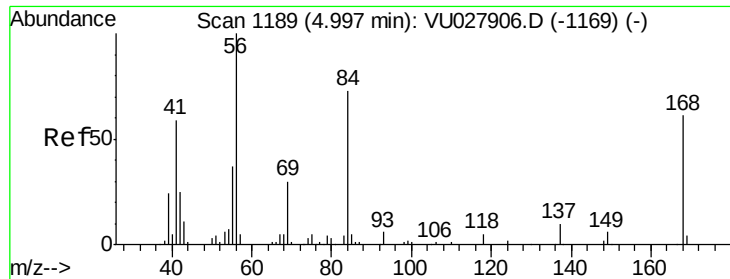
MMDadoda
11/6/2018 5:42:39 PM



#30
Chloroform
Concen: 18.170 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.6	76.0





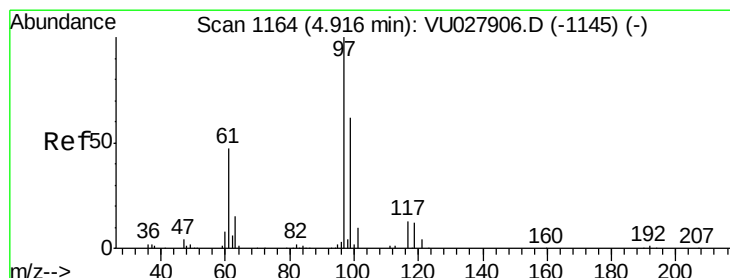
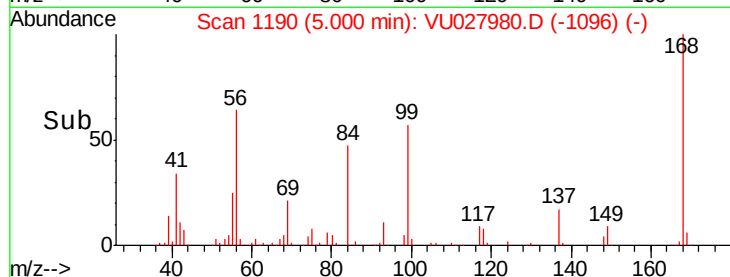
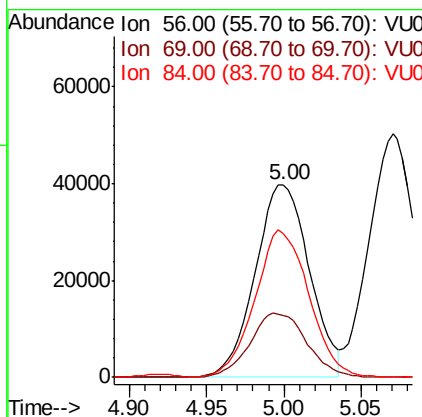
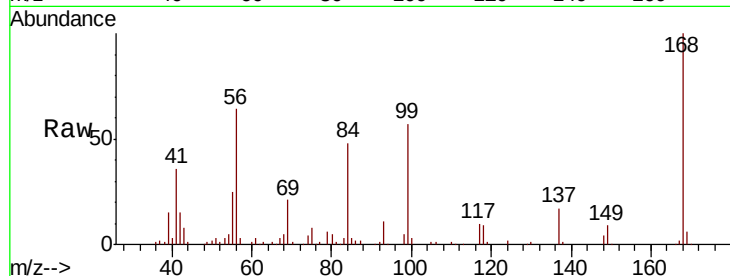
#31
Cyclohexane
Concen: 17.487 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.7	35.5
84	74.4	58.2	87.4

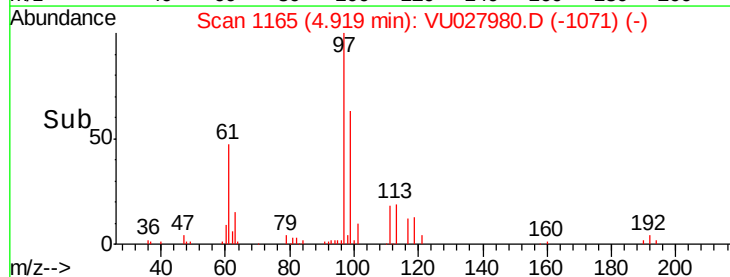
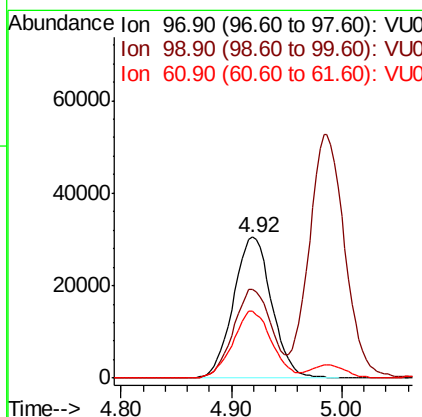
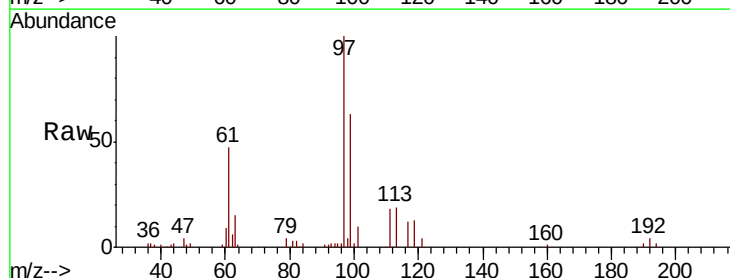
Manual Integrations
APPROVED

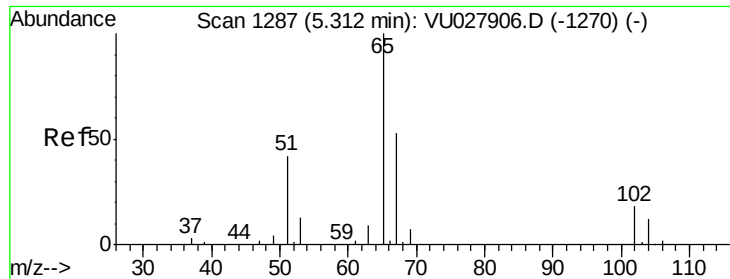
MMDadoda
11/6/2018 5:42:39 PM



#32
1,1,1-Trichloroethane
Concen: 18.858 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
61	61.8	50.5	75.7
113	47.9	38.3	57.5





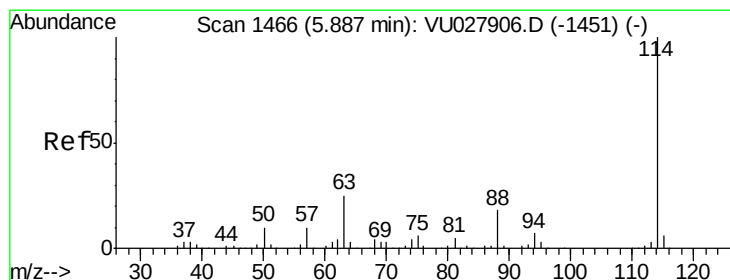
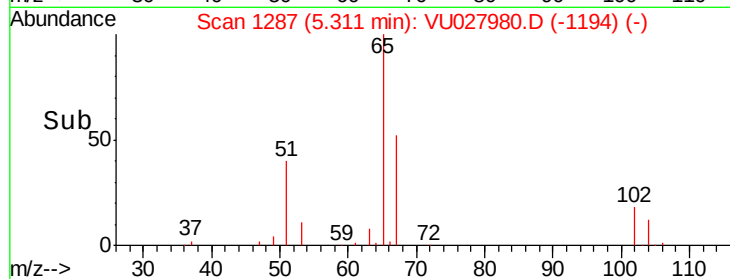
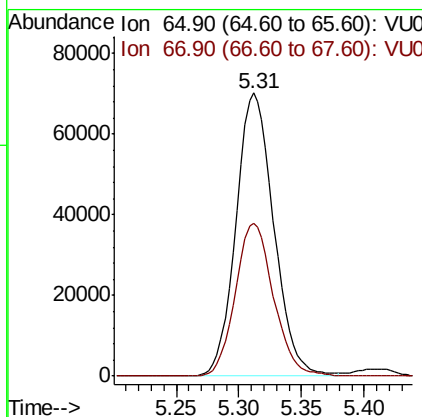
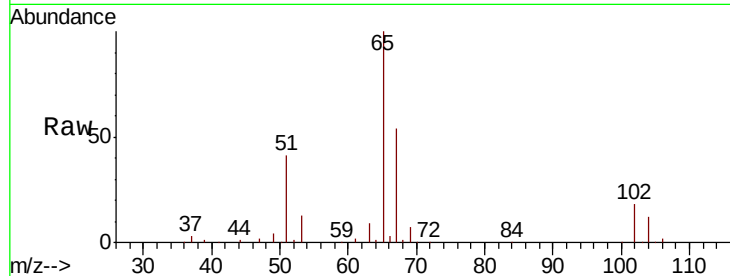
#33
 1,2-Dichloroethane-d4
 Concen: 48.847 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147056		
67	54.6	0.0	109.0	

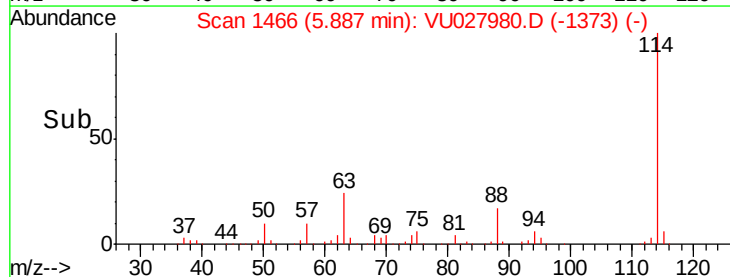
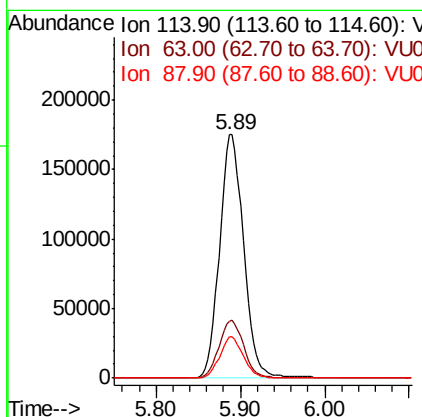
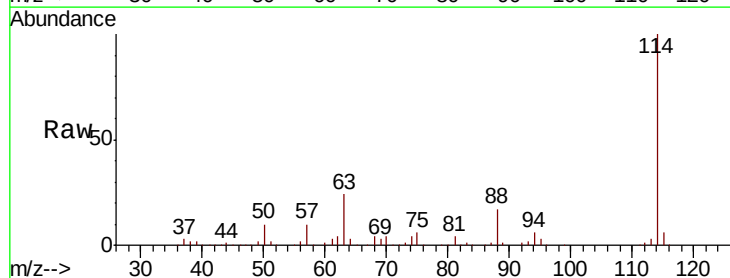
Manual Integrations
 APPROVED

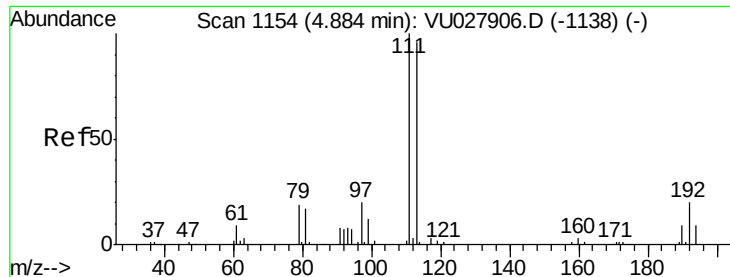
MMDadoda
 11/6/2018 5:42:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348838		
63	23.5	0.0	50.8	
88	16.9	0.0	35.8	





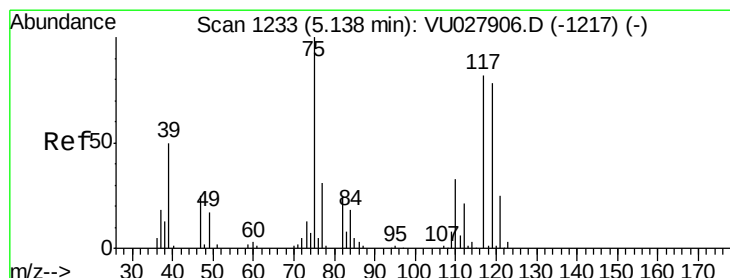
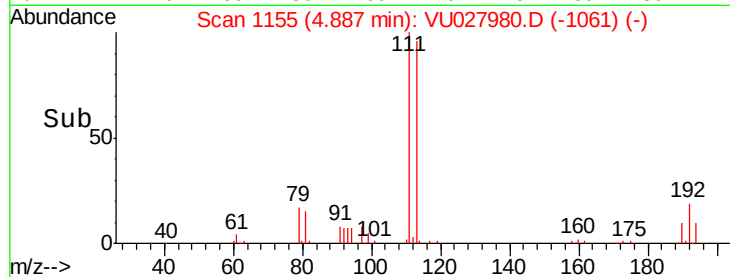
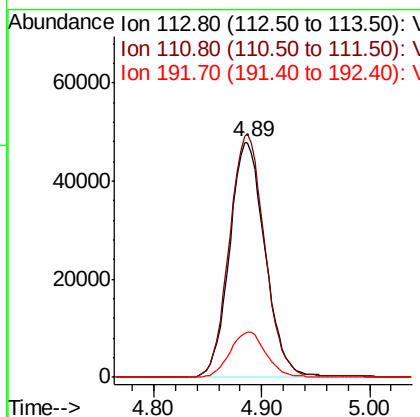
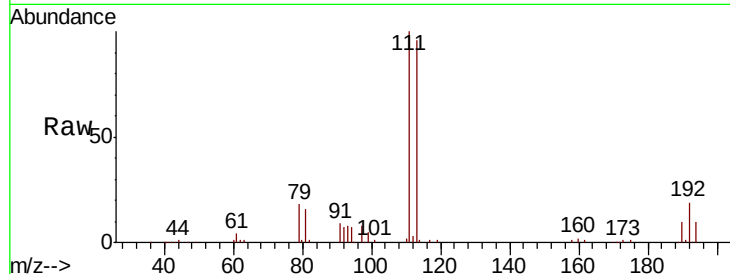
#35
 Dibromofluoromethane
 Concen: 49.764 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109455		
111	103.3	83.0	124.6	
192	19.5	15.6	23.4	

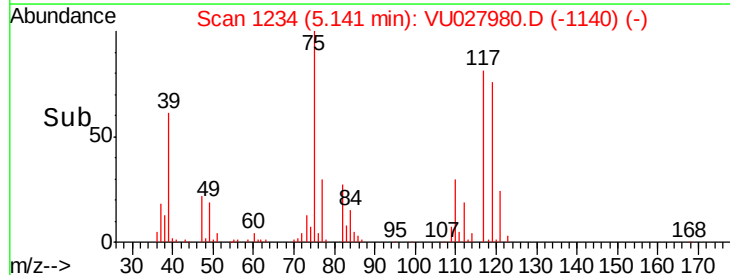
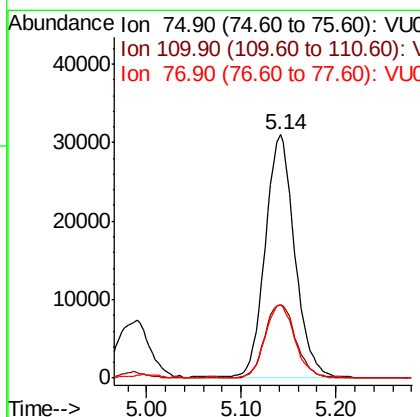
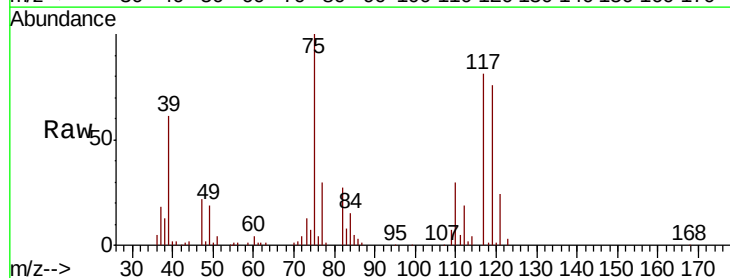
Manual Integrations
 APPROVED

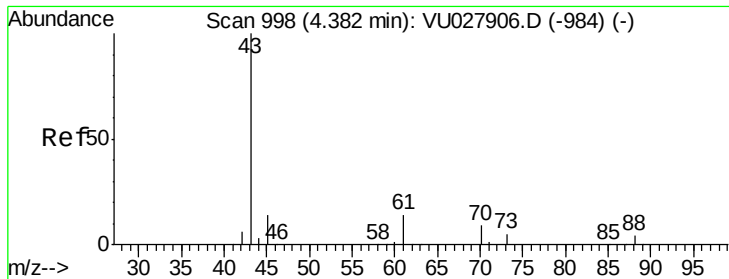
MMDadoda
 11/6/2018 5:42:39 PM



#36
 1,1-Dichloropropene
 Concen: 18.278 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66780		
110	32.1	16.5	49.5	
77	30.5	24.9	37.3	





#37

Ethyl Acetate

Concen: 17.886 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

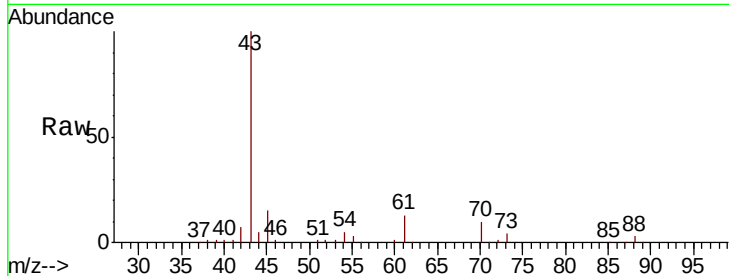
ClientSampleId :

VU1106WBSD01

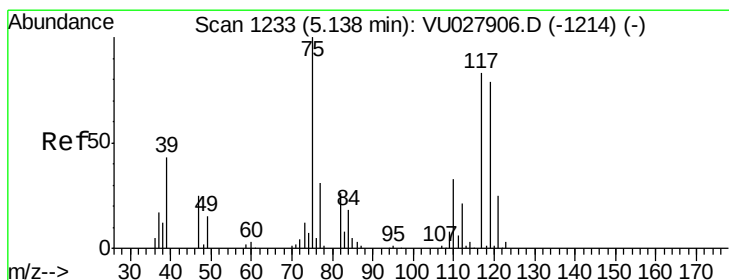
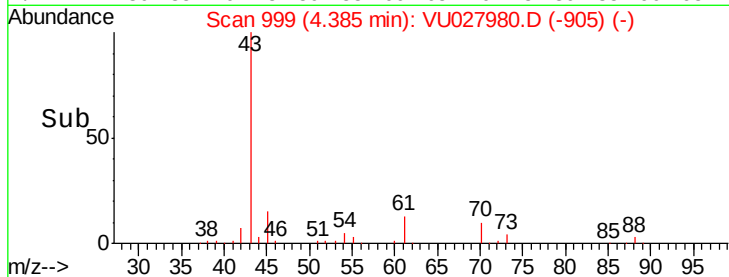
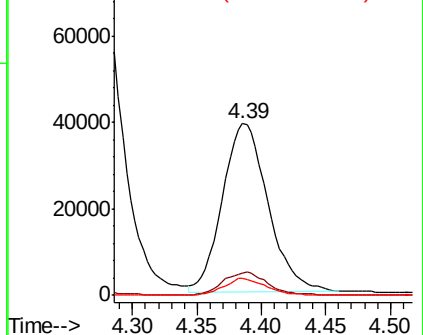
Tot Ion:	43	Resp:	95750
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.3	15.5
70	9.3	7.0	10.6

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 17.760 ug/l

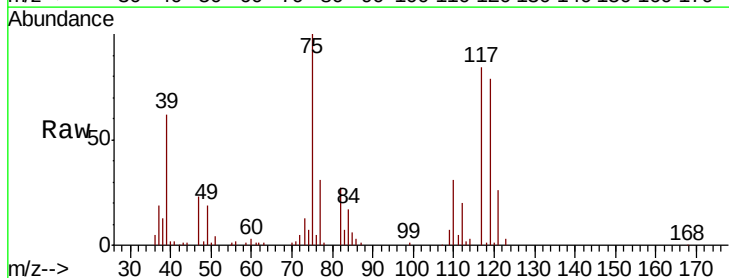
RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

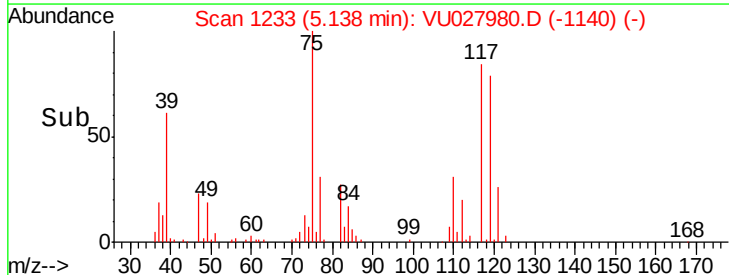
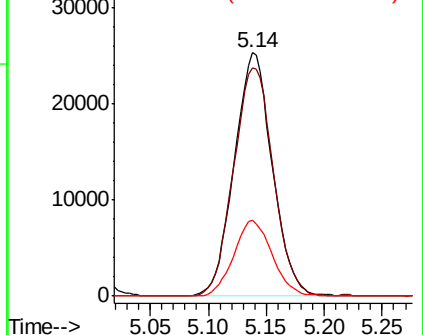
Lab File: VU027980.D

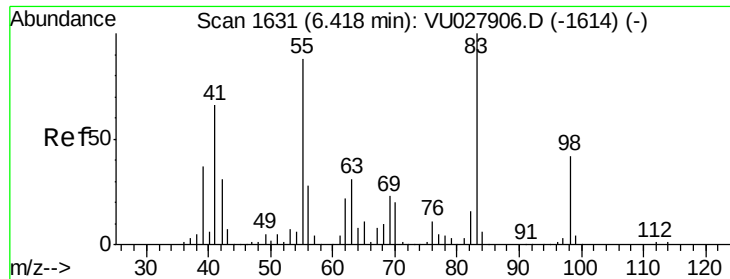
Acq: 06 Nov 2018 12:31

Tgt Ion:	117	Resp:	57503
Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.0	114.0
121	31.1	24.5	36.7



Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)





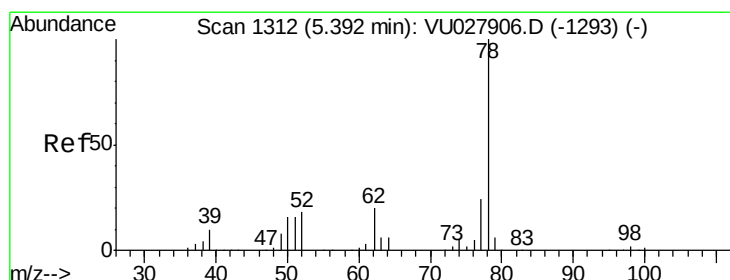
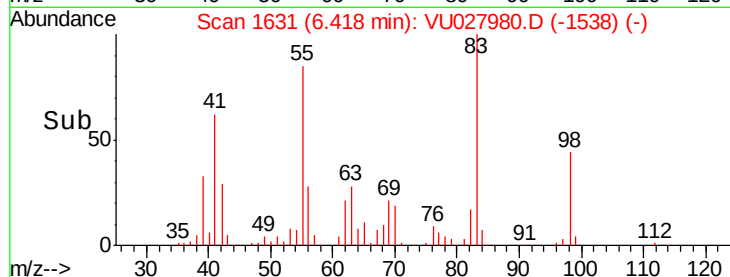
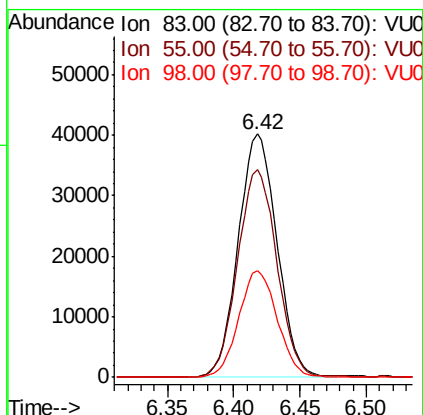
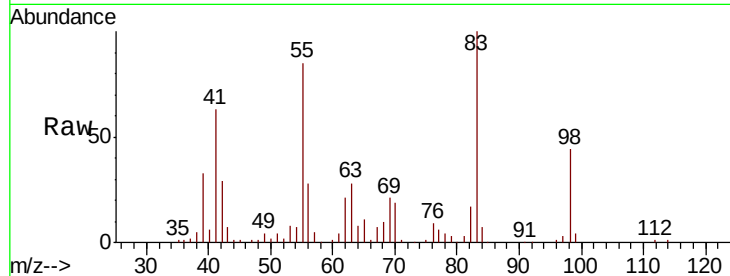
#39
Methylvlcyclohexane
Concen: 18.593 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	83.00	Resp	81931
Ion	Ratio	Lower	Upper
83	100		
55	85.4	70.3	105.5
98	43.8	34.0	51.0

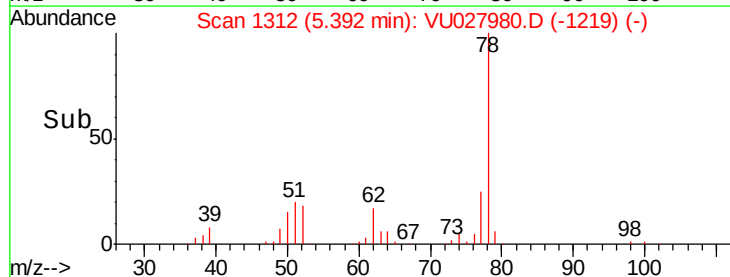
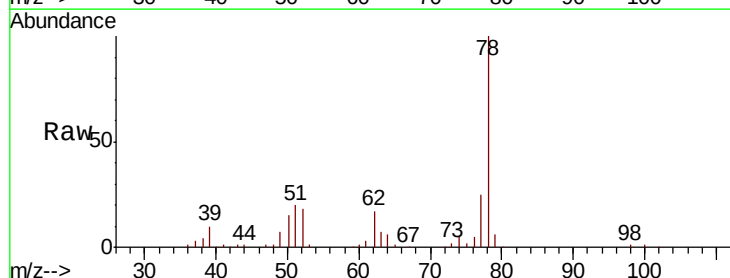
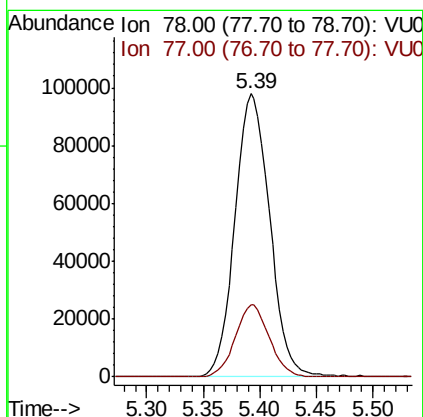
Manual Integrations
APPROVED

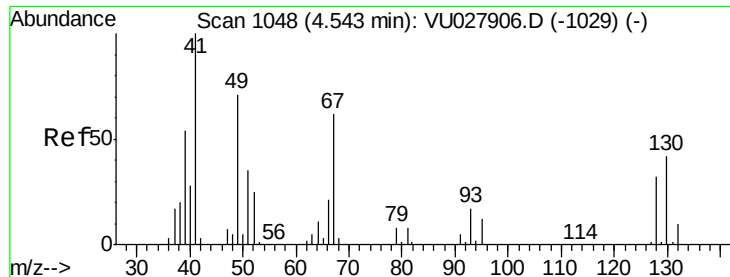
MMDadoda
11/6/2018 5:42:39 PM



#40
Benzene
Concen: 18.801 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	78.00	Resp	210013
Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.3	28.9





#41

Methacrylonitrile

Concen: 19.487 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

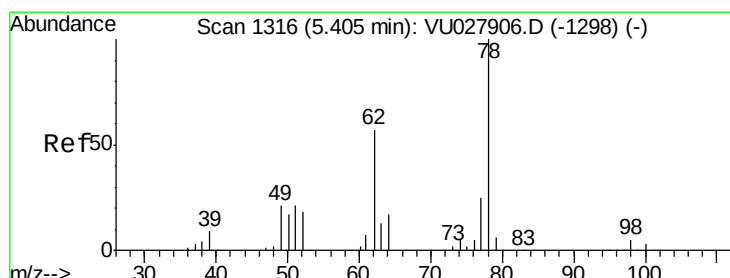
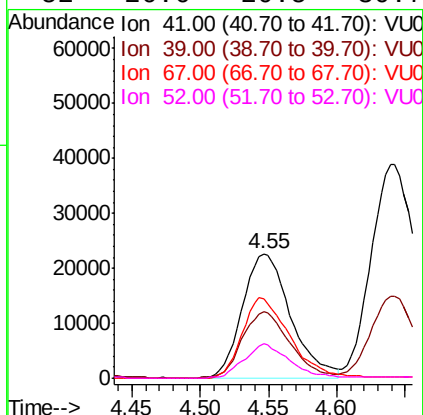
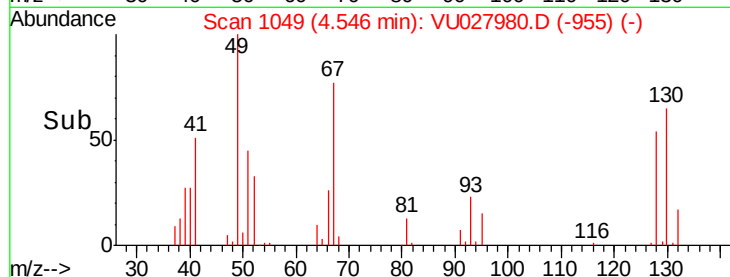
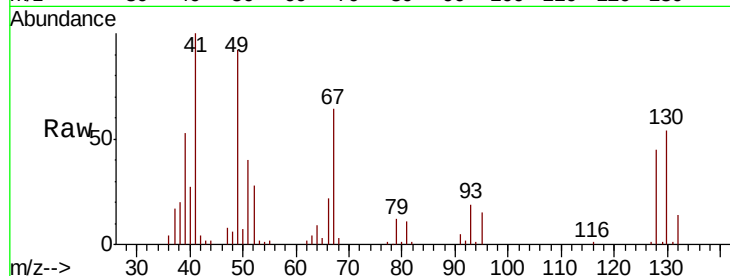
ClientSampleId :

VU1106WBSD01

Tot Ion:	41	Resp:	55670
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.2	63.4
67	64.5	49.5	74.3
52	26.6	20.5	30.7

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#42

1,2-Dichloroethane

Concen: 18.682 ug/l

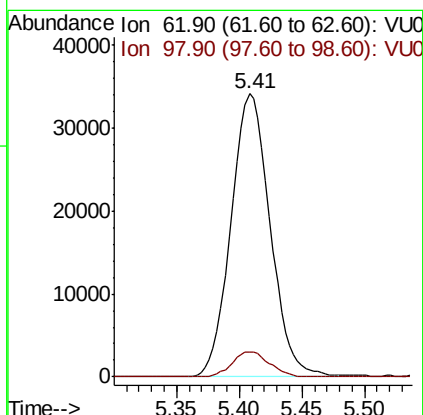
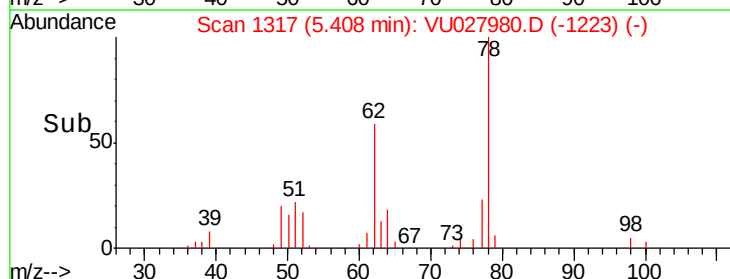
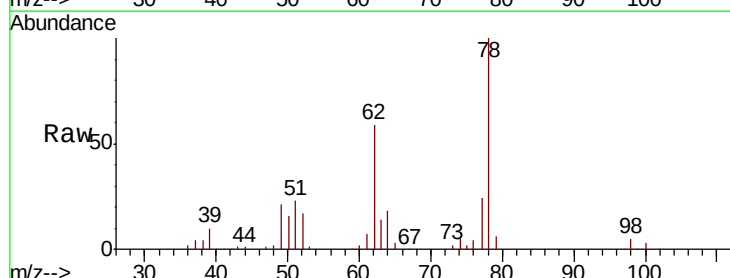
RT: 5.41 min Scan# 1317

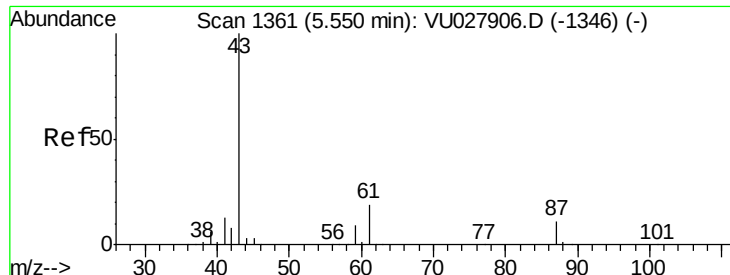
Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	62	Resp:	74178
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.448 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

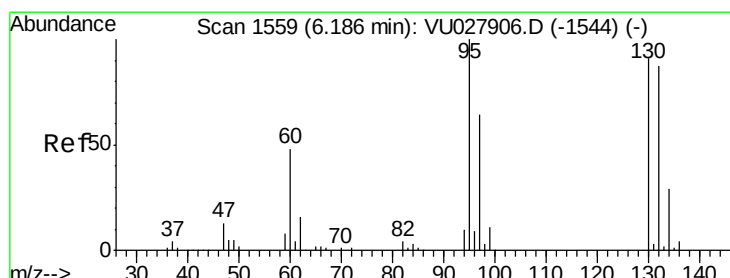
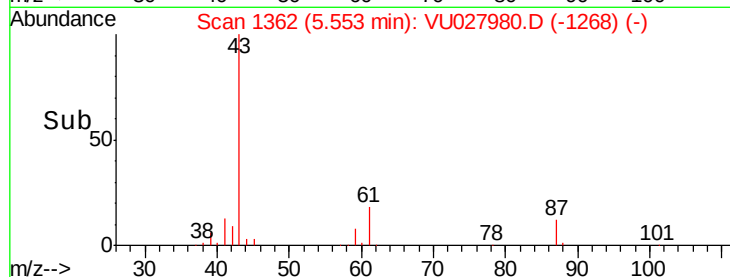
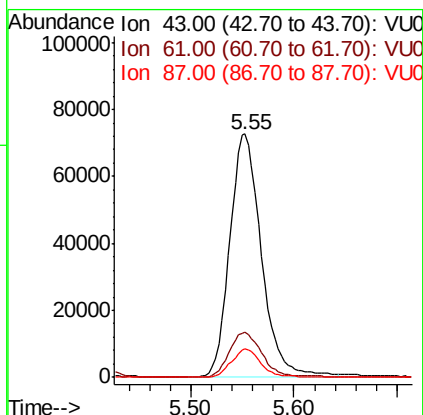
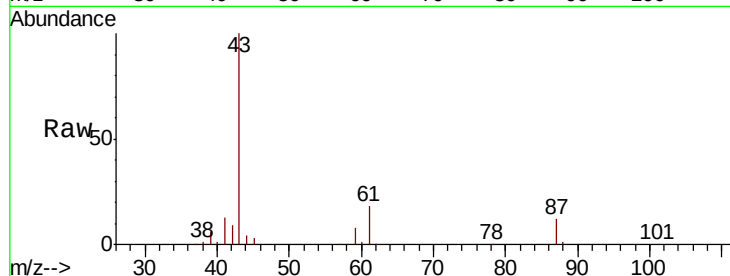
ClientSampleId :

VU1106WBSD01

Tot Ion:	43	Resp:	154724
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.0	22.4
87	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#44

Trichloroethene

Concen: 19.058 ug/l

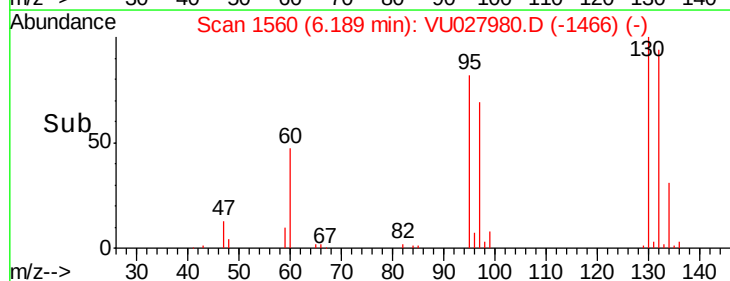
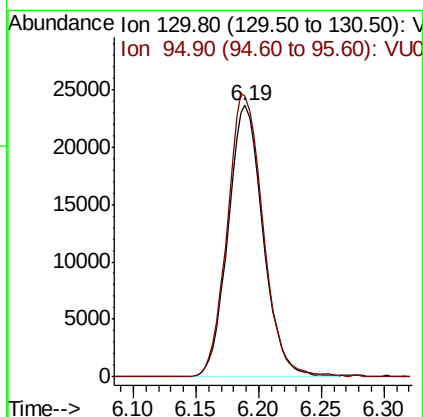
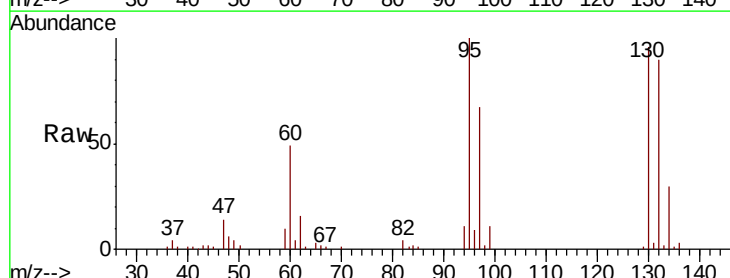
RT: 6.19 min Scan# 1560

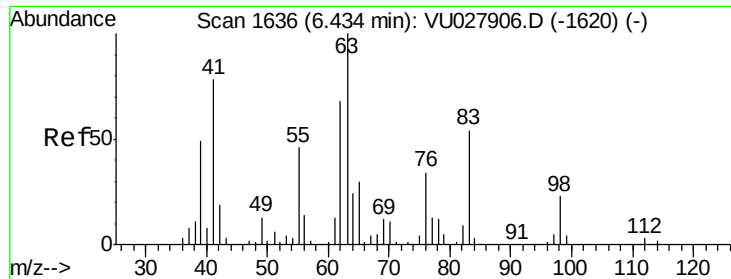
Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	130	Resp:	45759
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	219.2





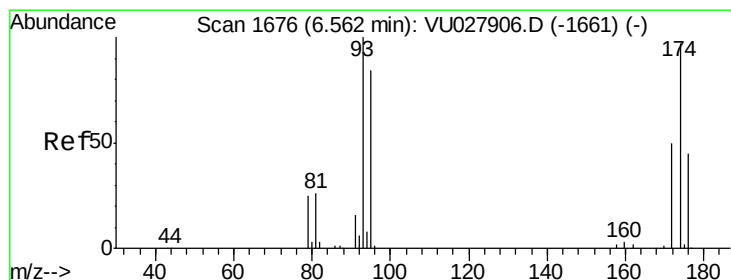
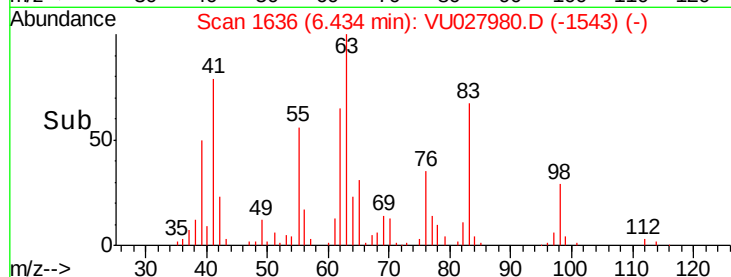
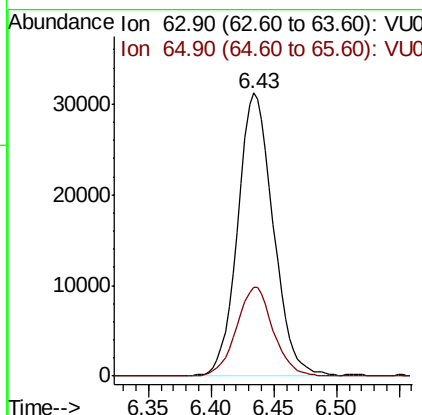
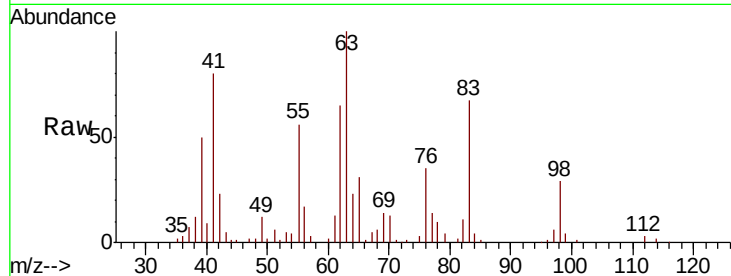
#45
 1,2-Dichloropropane
 Concen: 19.073 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion: 63 Resp: 61442
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.4 36.6

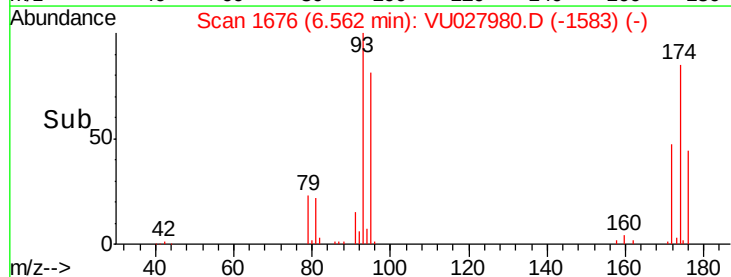
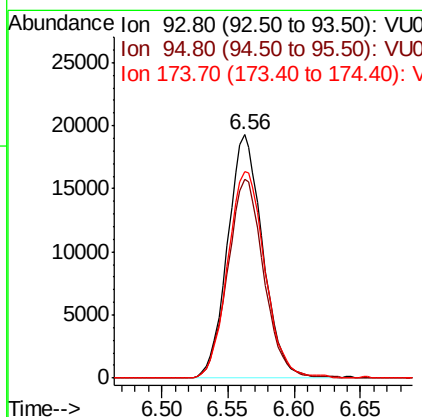
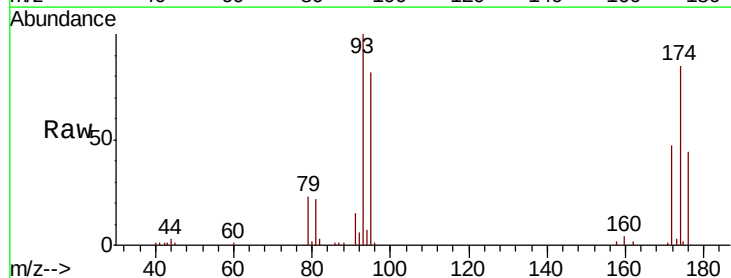
Manual Integrations
 APPROVED

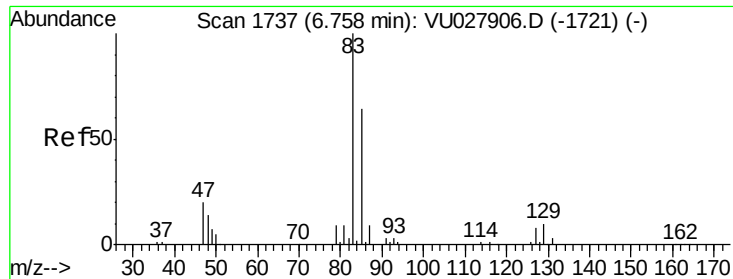
MMDadoda
 11/6/2018 5:42:39 PM



#46
 Dibromomethane
 Concen: 19.177 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion: 93 Resp: 35509
 Ion Ratio Lower Upper
 93 100
 95 83.8 68.5 102.7
 174 89.6 76.1 114.1





#47

Bromodichloromethane

Concen: 19.061 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

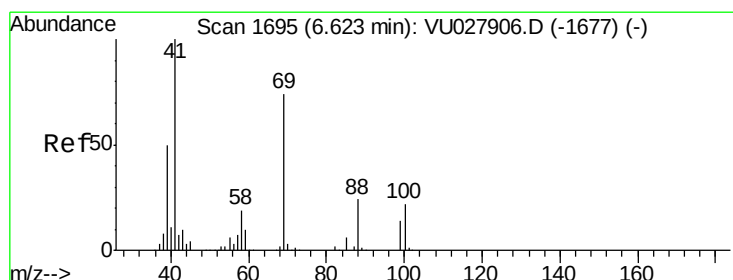
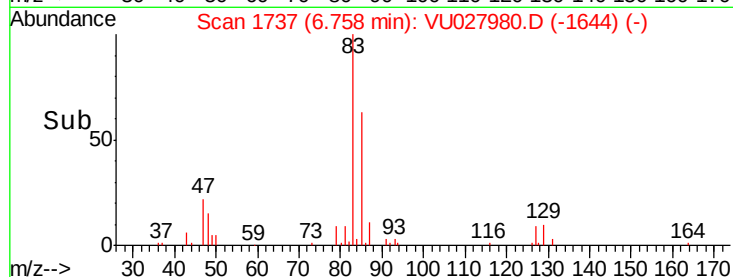
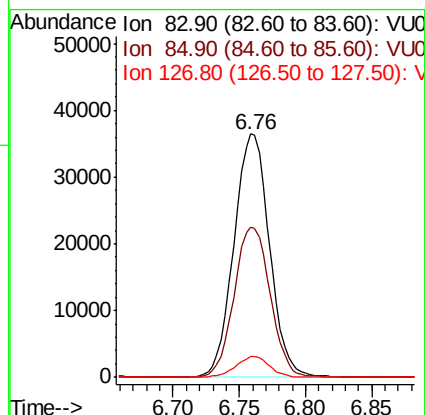
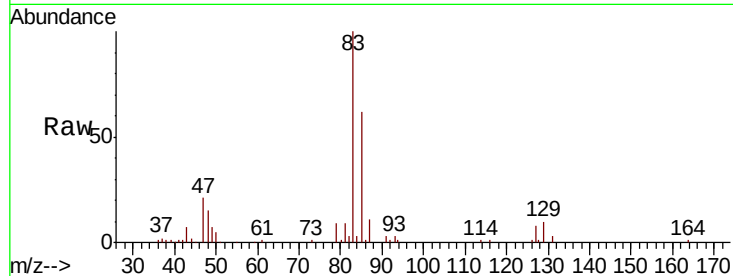
ClientSampleId :

VU1106WBSD01

Tot Ion:	83	Resp:	68019
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.0	76.6
127	8.4	6.2	9.4

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#48

Methyl methacrylate

Concen: 18.514 ug/l

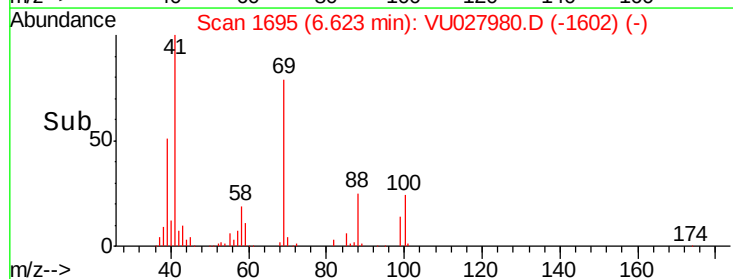
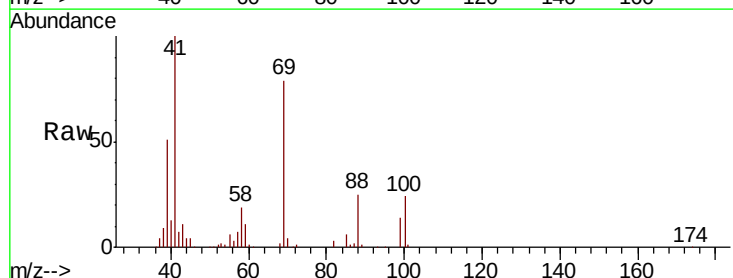
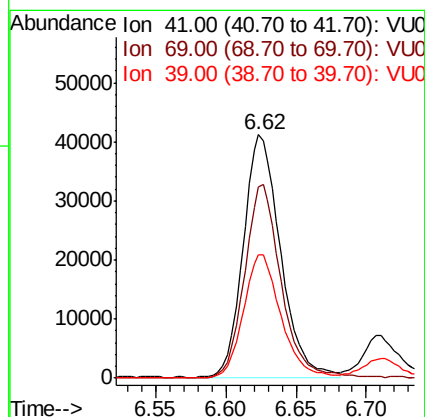
RT: 6.62 min Scan# 1695

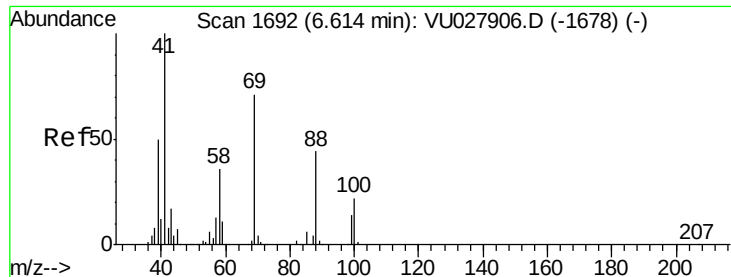
Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	41	Resp:	76090
Ion	Ratio	Lower	Upper
41	100		
69	78.7	59.8	89.8
39	51.2	40.0	60.0





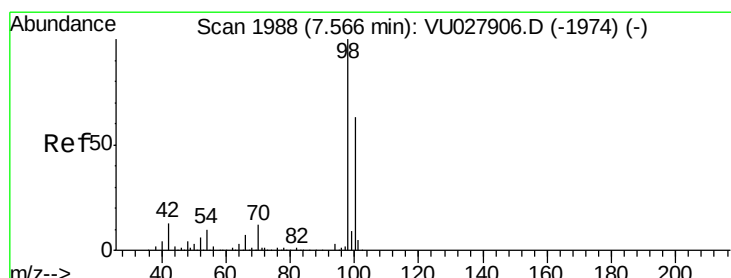
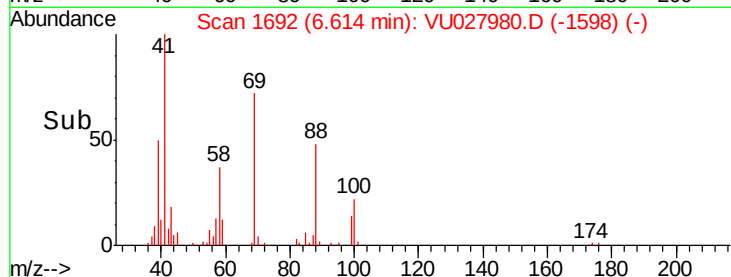
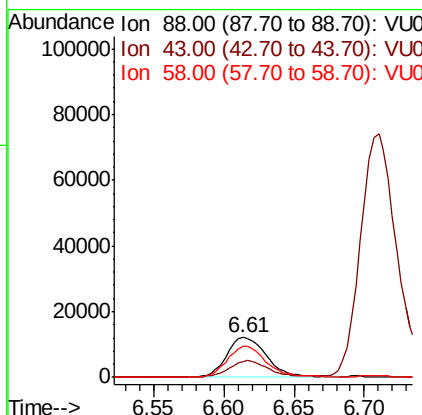
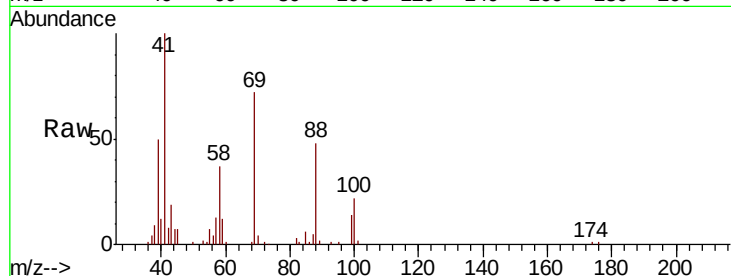
#49
1,4-Dioxane
Concen: 365.782 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.5	45.7
58	75.5	67.1	100.7

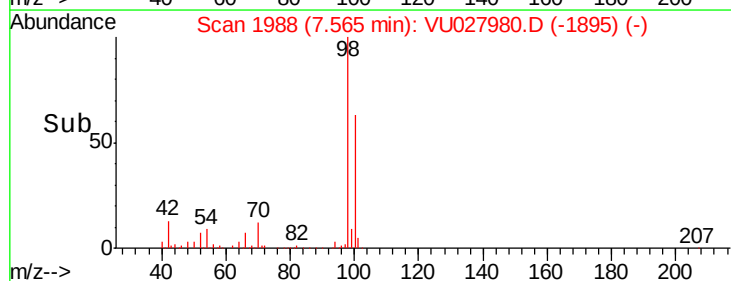
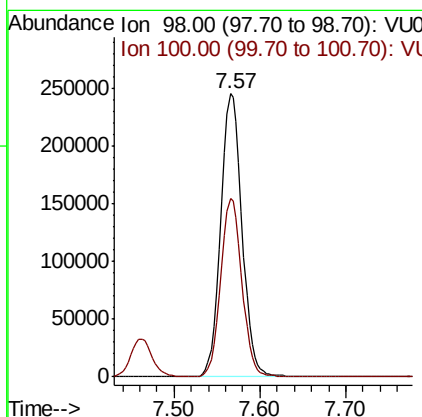
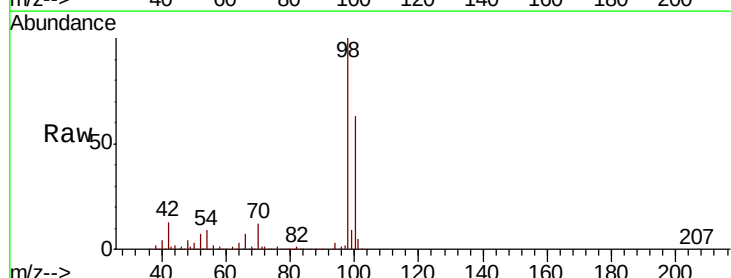
Manual Integrations
APPROVED

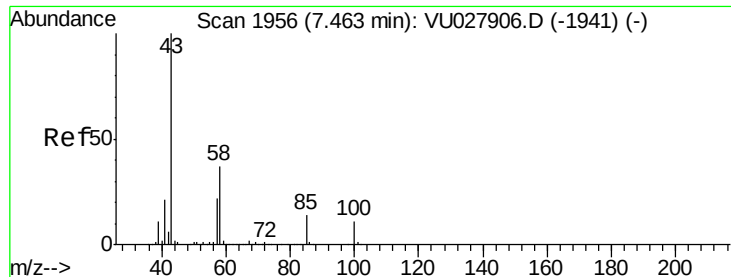
MMDadoda
11/6/2018 5:42:39 PM



#50
Toluene-d8
Concen: 49.936 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 92.508 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 43 Resp: 518141

Ion Ratio Lower Upper

43 100

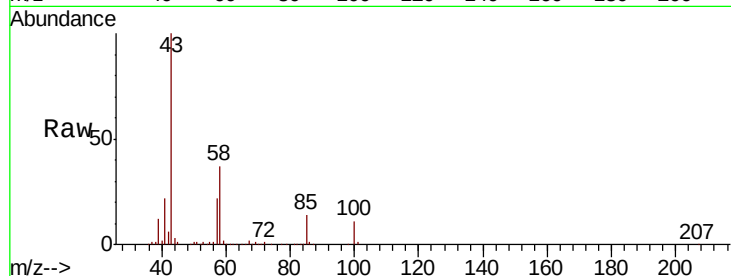
58 36.9 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027980.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027980.D (-1863) (-)

7.46

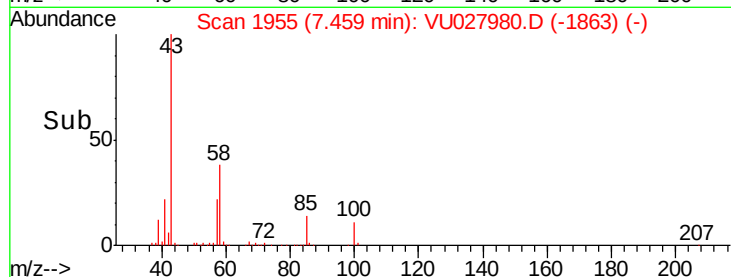
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.553 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027980.D

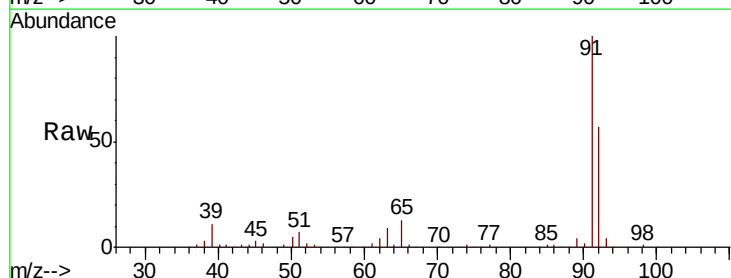
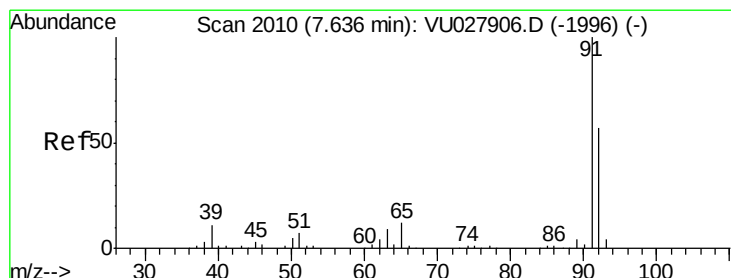
Acq: 06 Nov 2018 12:31

Tgt Ion: 92 Resp: 121832

Ion Ratio Lower Upper

92 100

91 177.1 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027980.D (-1917) (-)

Ion 91.00 (90.70 to 91.70): VU027980.D (-1917) (-)

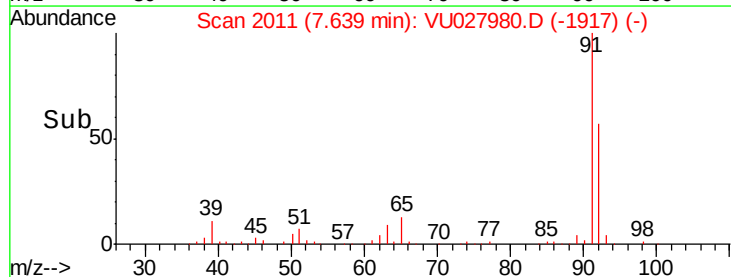
7.64

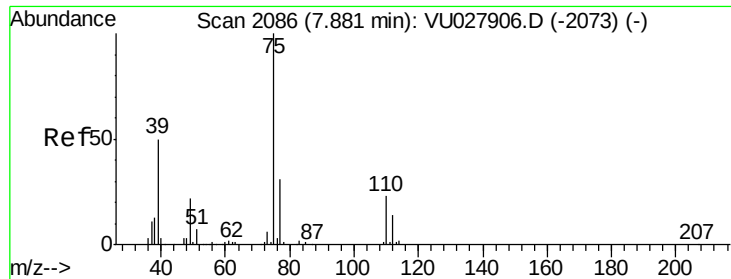
100000

50000

0

Time-->





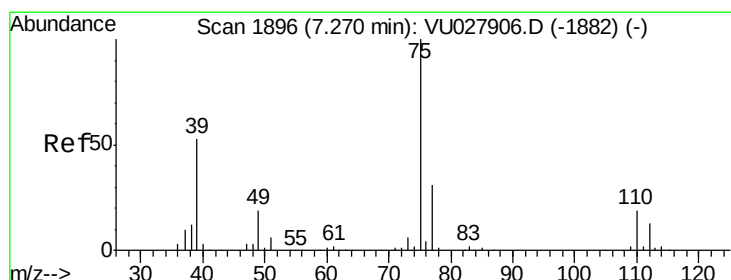
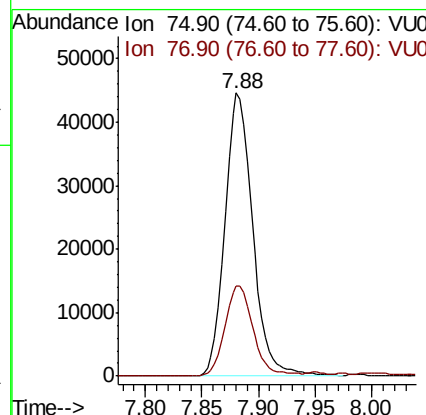
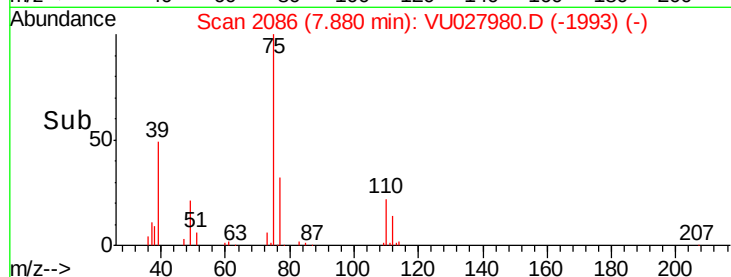
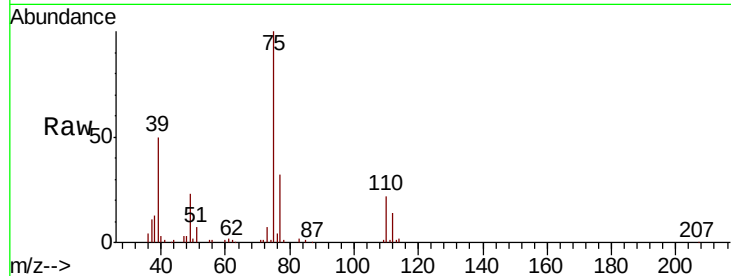
#53
 t-1,3-Dichloropropene
 Concen: 18.013 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion: 75 Resp: 76474
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7

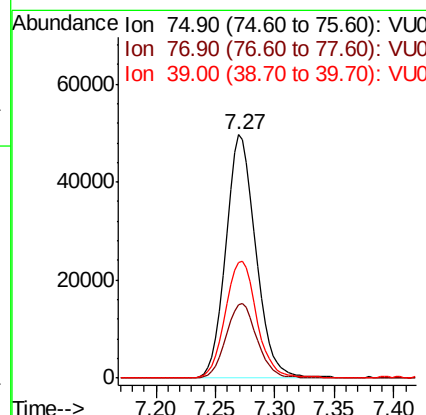
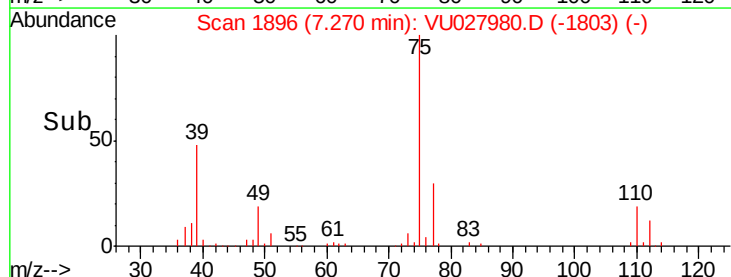
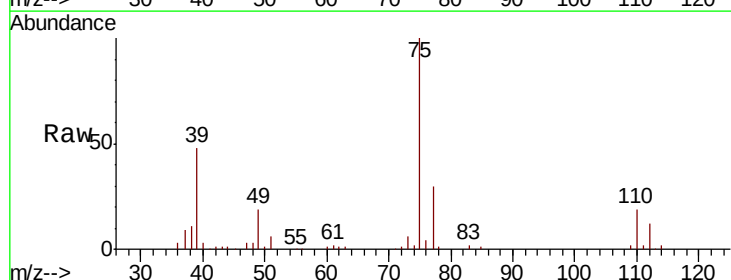
Manual Integrations
 APPROVED

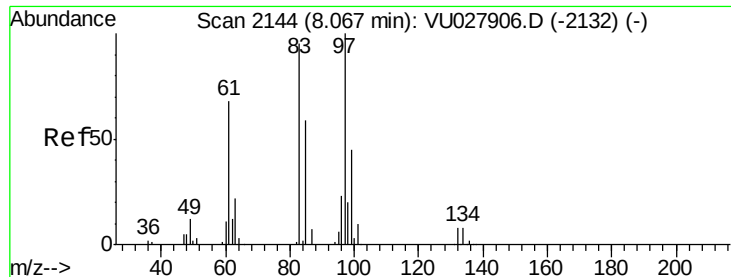
MMDadoda
 11/6/2018 5:42:39 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.724 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion: 75 Resp: 86765
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.6 37.0
 39 47.7 42.6 64.0





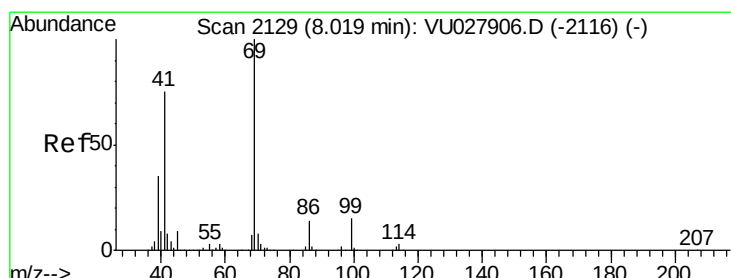
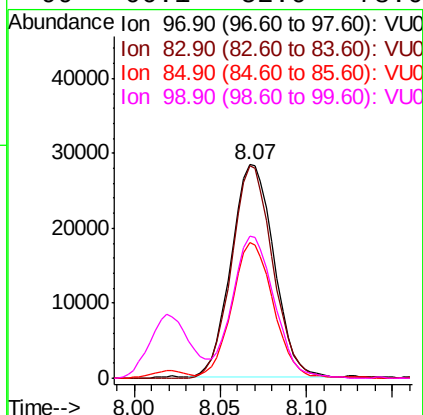
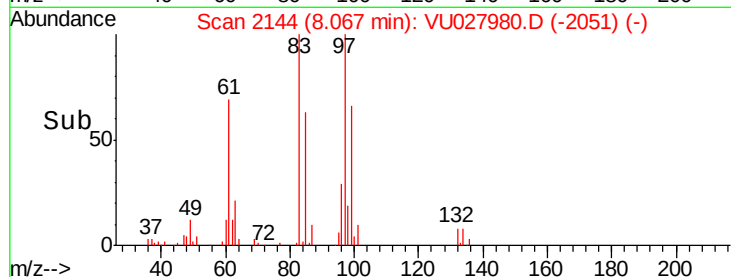
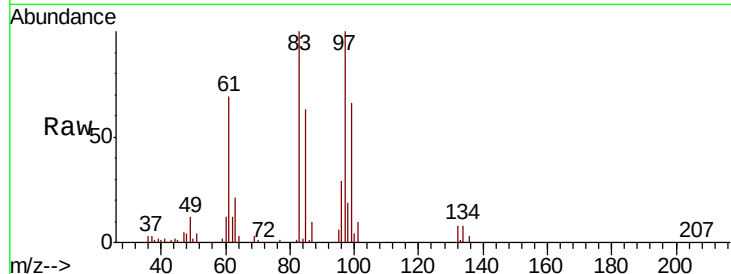
#55
 1,1,2-Trichloroethane
 Concen: 18.474 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49358		
83	100.0		76.1	114.1	
85	63.0		48.9	73.3	
99	66.1		52.0	78.0	

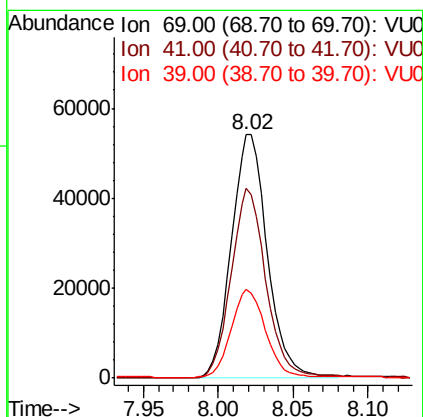
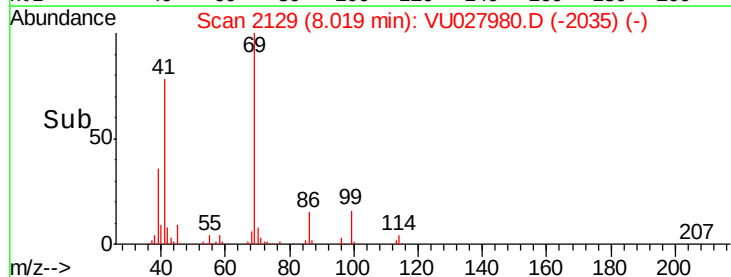
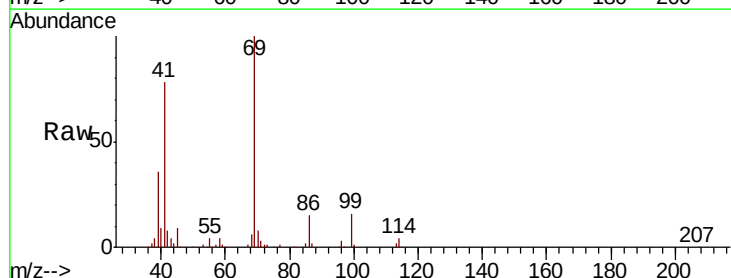
Manual Integrations
 APPROVED

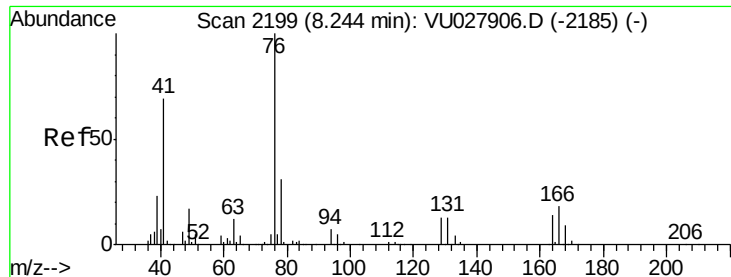
MMDadoda
 11/6/2018 5:42:39 PM



#56
 Ethyl methacrylate
 Concen: 19.296 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90912		
41	75.5		59.8	89.6	
39	34.9		28.6	42.8	





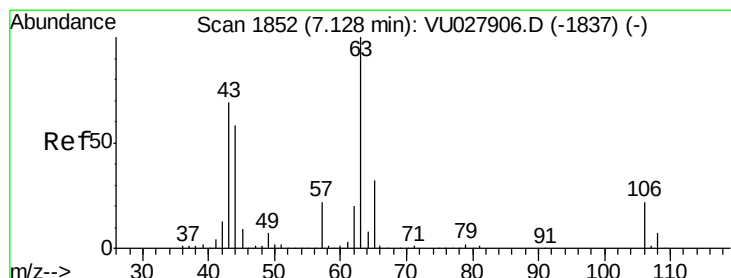
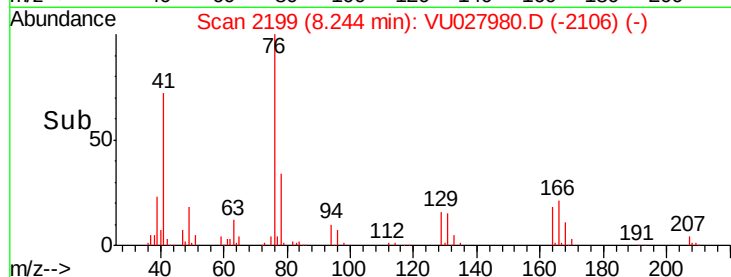
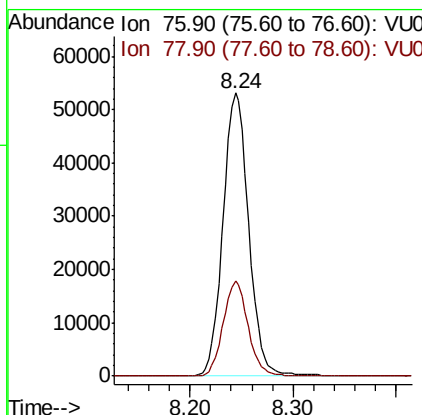
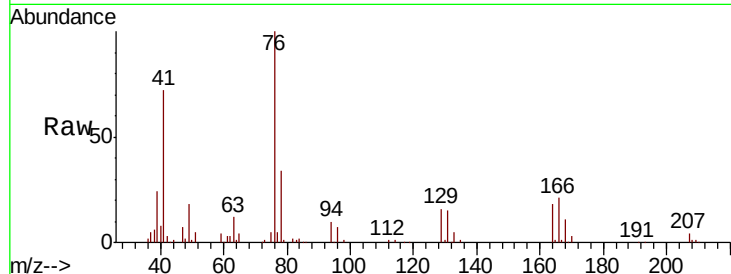
#57
 1,3-Dichloropropane
 Concen: 19.000 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion: 76 Resp: 92469
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.3 37.9

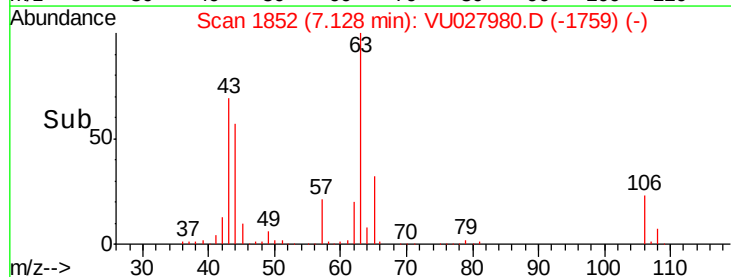
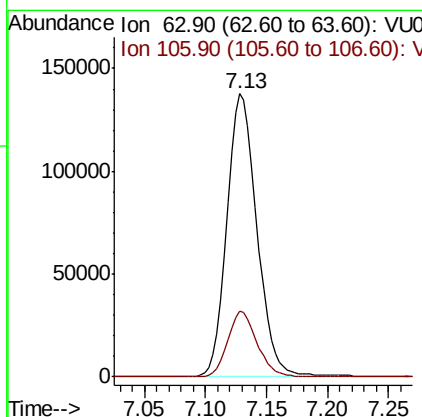
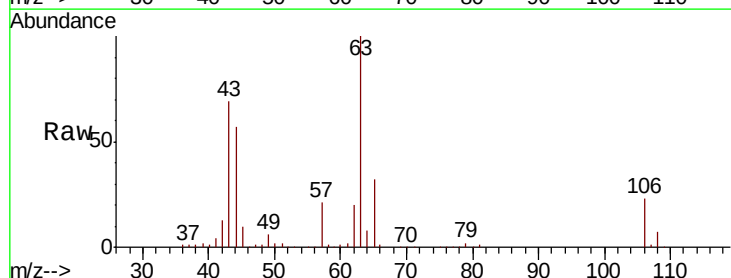
Manual Integrations
 APPROVED

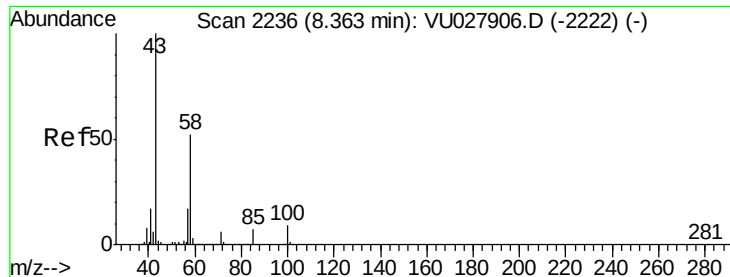
MMDadoda
 11/6/2018 5:42:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.320 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion: 63 Resp: 238003
 Ion Ratio Lower Upper
 63 100
 106 22.5 17.8 26.6





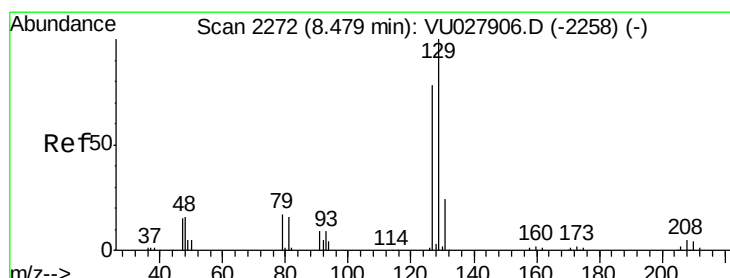
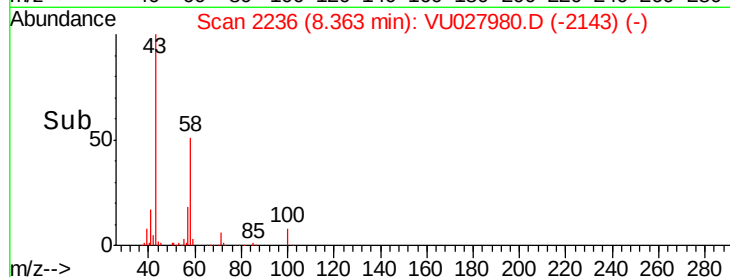
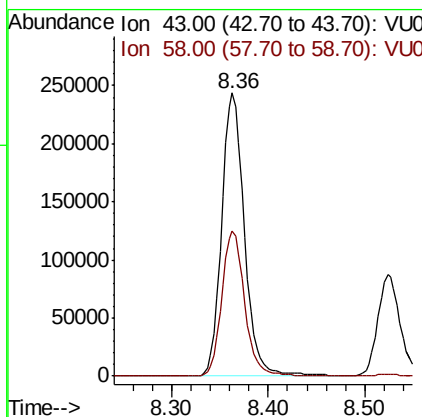
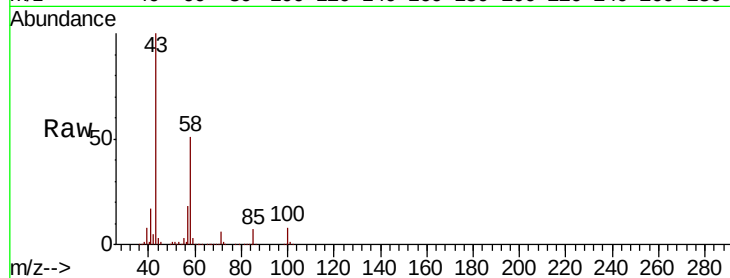
#59
2-Hexanone
Concen: 91.704 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.8	77.3

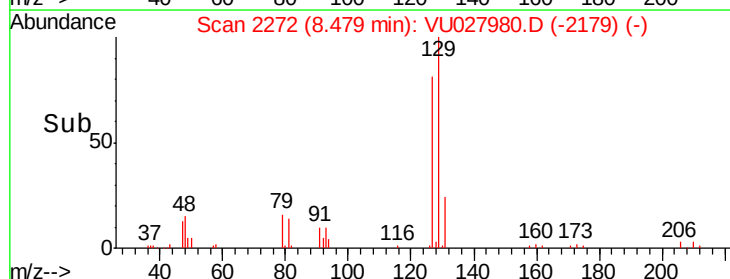
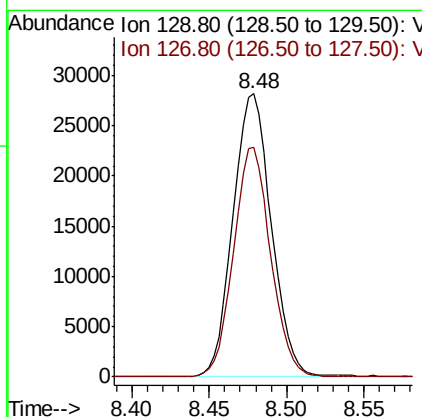
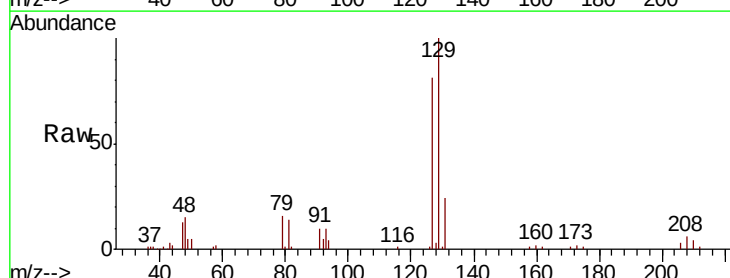
Manual Integrations
APPROVED

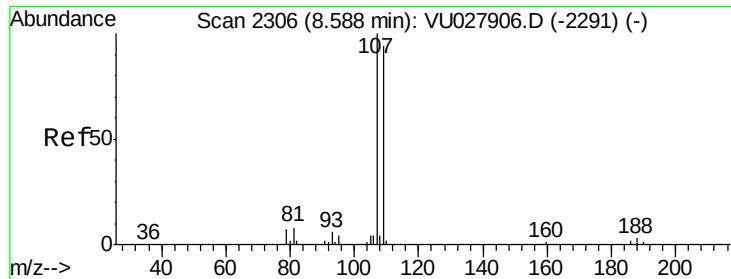
MMDadoda
11/6/2018 5:42:39 PM



#60
Dibromochloromethane
Concen: 19.178 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6





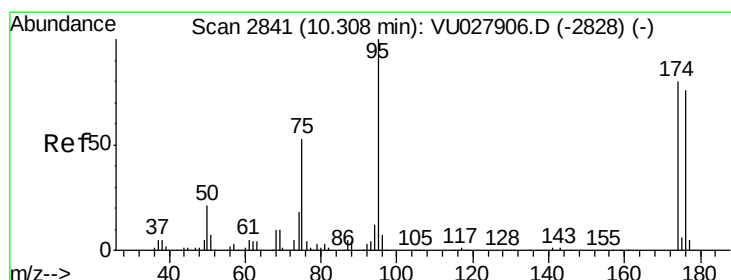
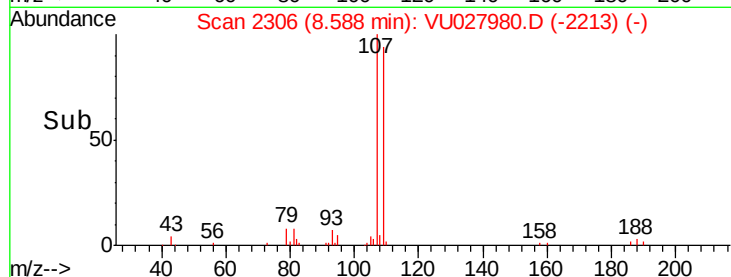
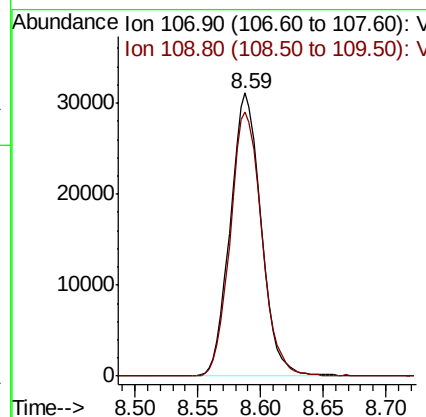
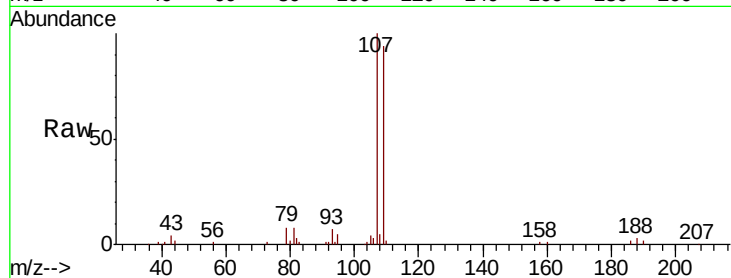
#61
 1,2-Dibromoethane
 Concen: 18.762 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	73.8	110.8

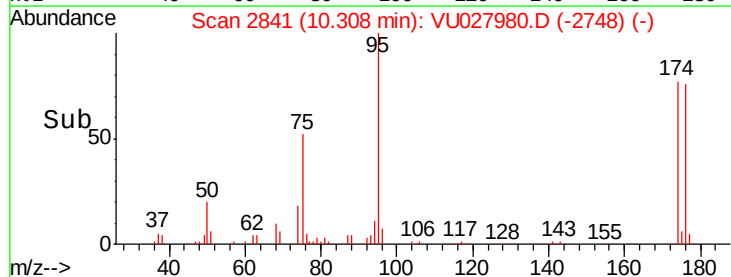
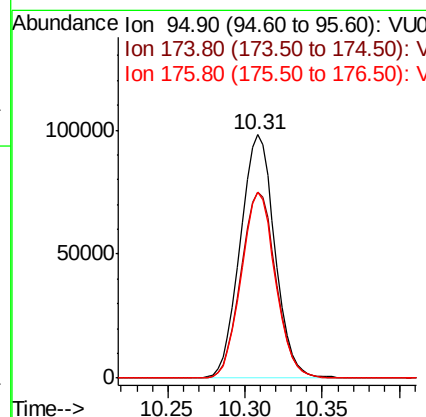
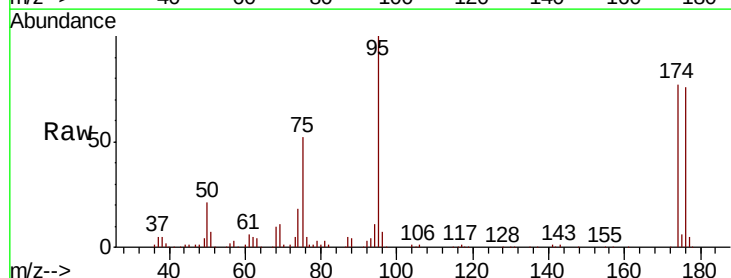
Manual Integrations
 APPROVED

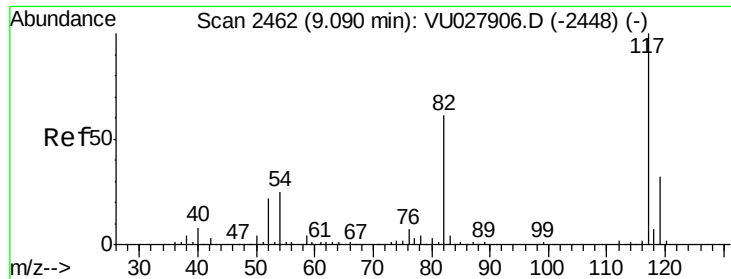
MMDadoda
 11/6/2018 5:42:39 PM



#62
 4-Bromofluorobenzene
 Concen: 48.779 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	156.4
176	75.1	0.0	150.8





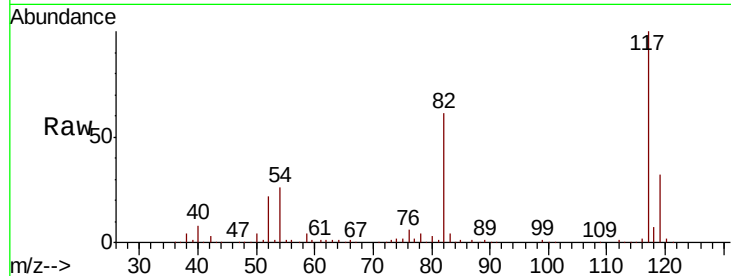
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	48.6	73.0
119	32.0	25.8	38.8

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM

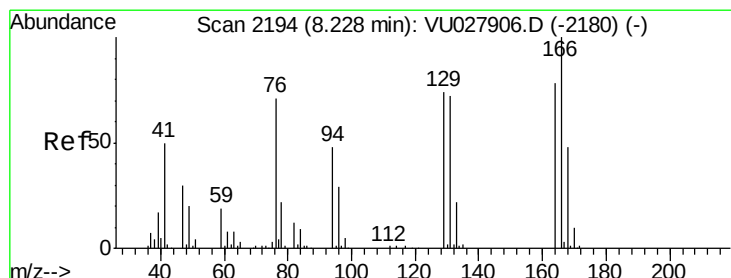
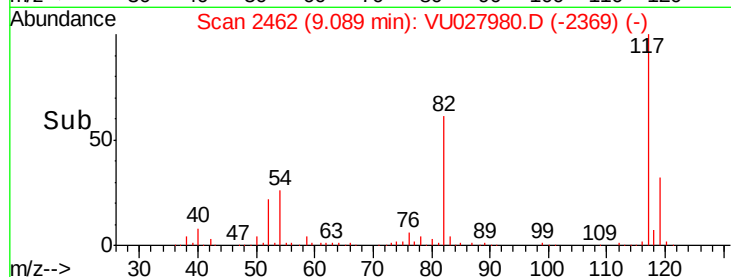
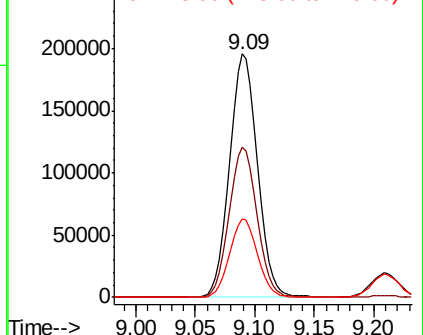


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.689 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.1	153.1
129	96.6	75.9	113.9
131	92.7	73.0	109.6

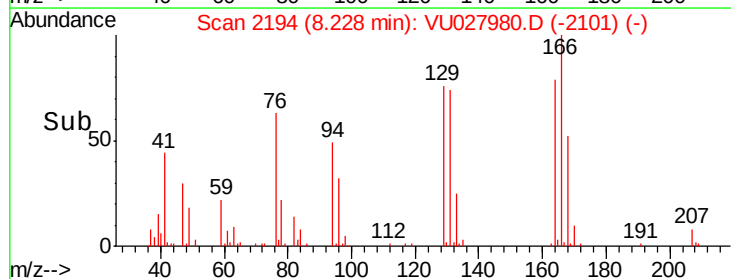
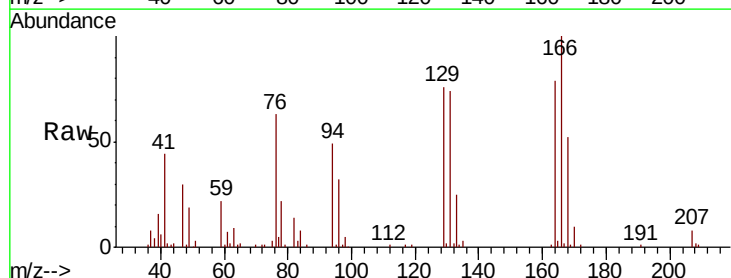
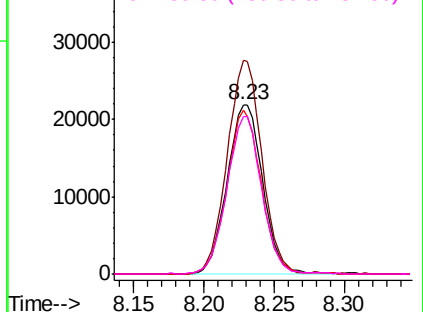
Abundance

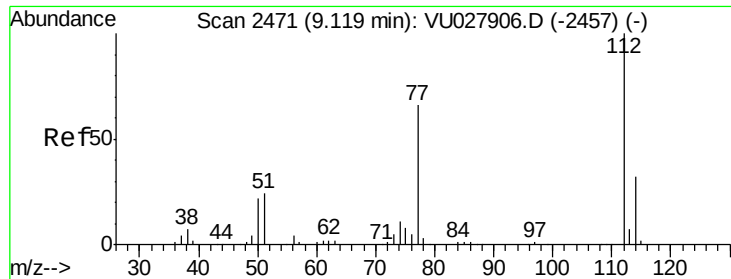
Ion 163.80 (163.50 to 164.50): V

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





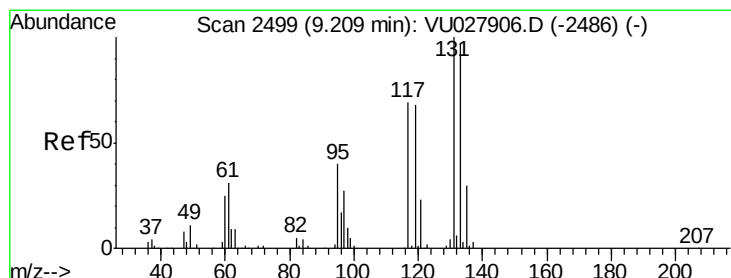
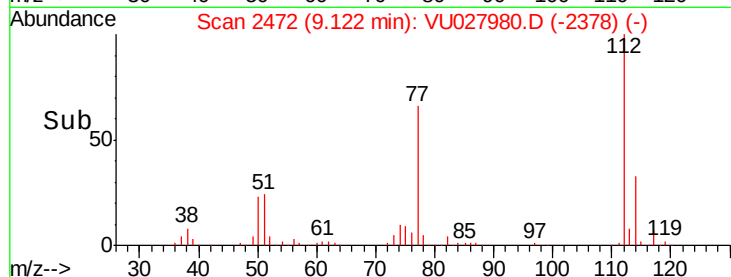
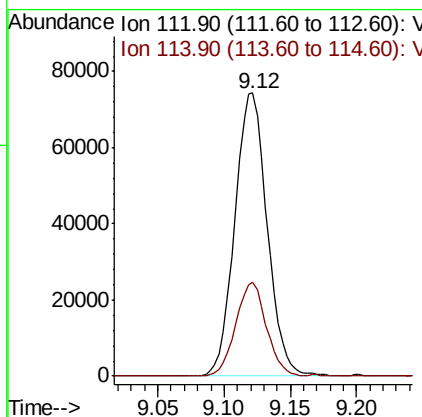
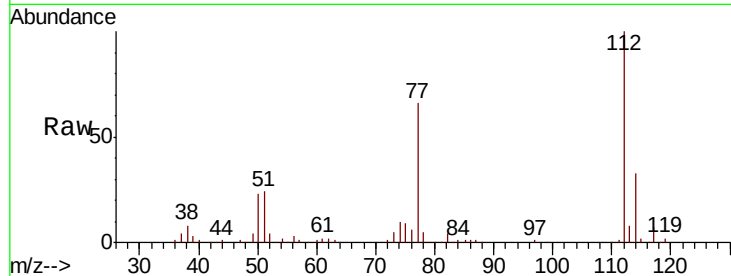
#65
Chlorobenzene
Concen: 18.782 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion:112 Resp: 126143
Ion Ratio Lower Upper
112 100
114 33.2 25.2 37.8

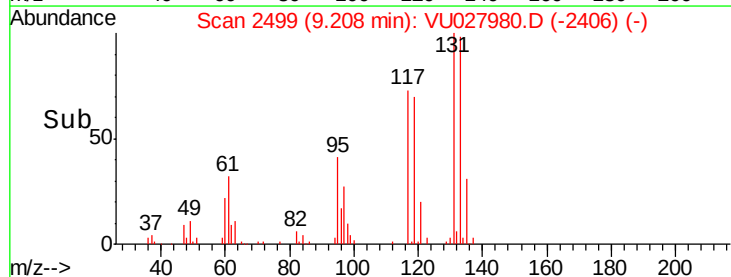
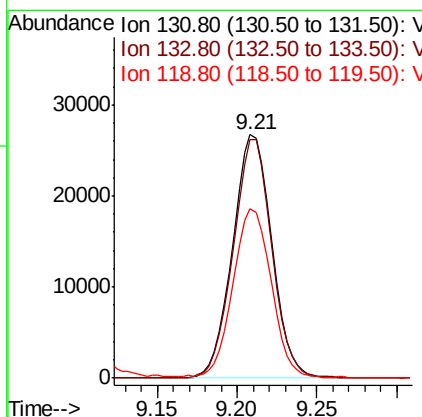
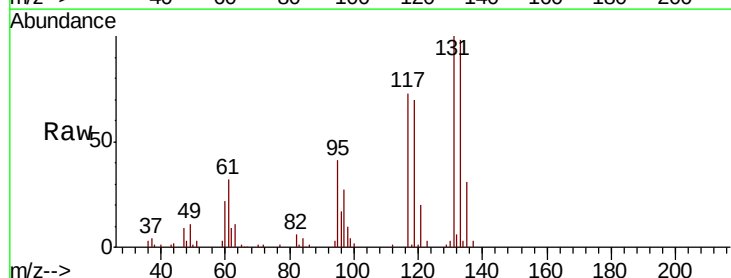
Manual Integrations
APPROVED

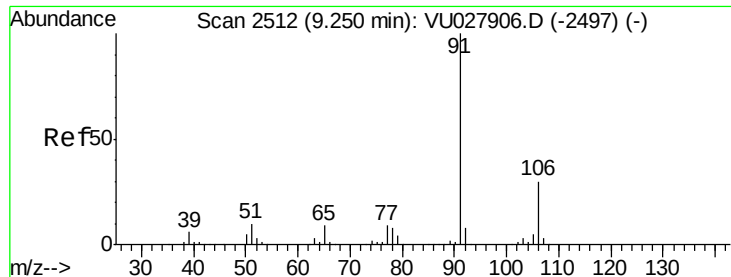
MMDadoda
11/6/2018 5:42:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.420 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion:131 Resp: 44549
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.4
119 67.9 34.0 101.8





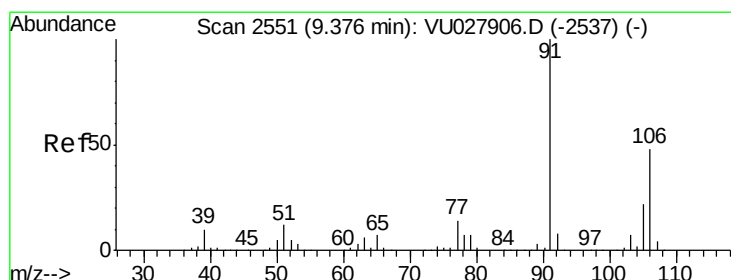
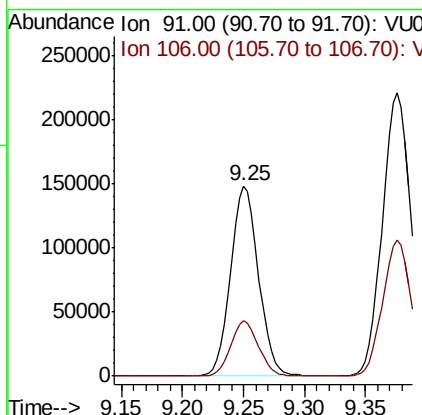
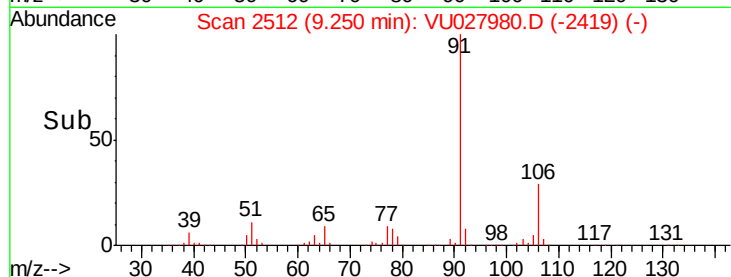
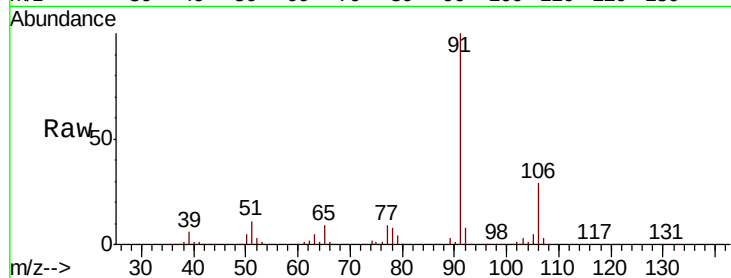
#67
Ethyl Benzene
Concen: 19.182 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion: 91 Resp: 237128
Ion Ratio Lower Upper
91 100
106 29.2 23.6 35.4

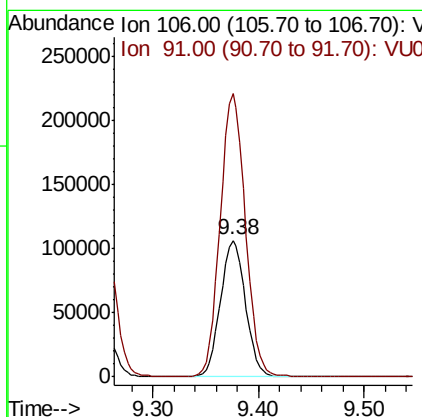
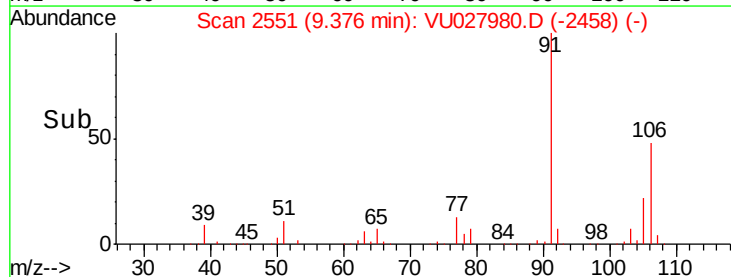
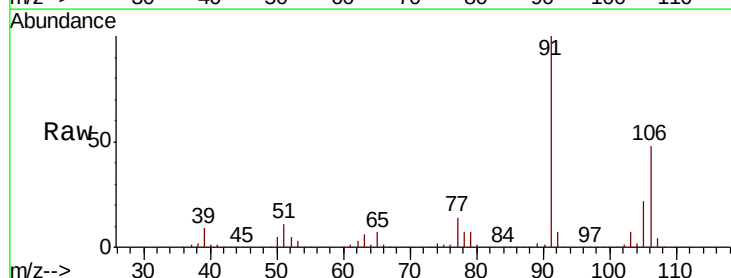
Manual Integrations
APPROVED

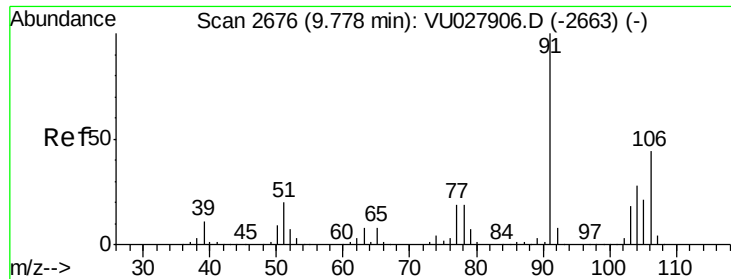
MMDadoda
11/6/2018 5:42:39 PM



#68
m/p-Xylenes
Concen: 38.998 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion: 106 Resp: 174927
Ion Ratio Lower Upper
106 100
91 208.8 168.2 252.4





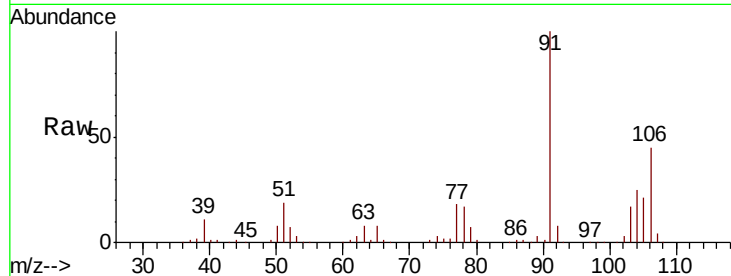
#69
o-Xylene
Concen: 18.923 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

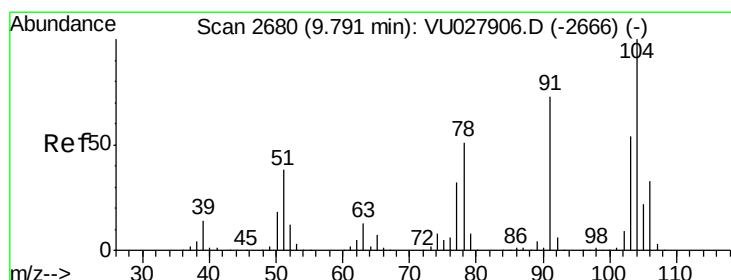
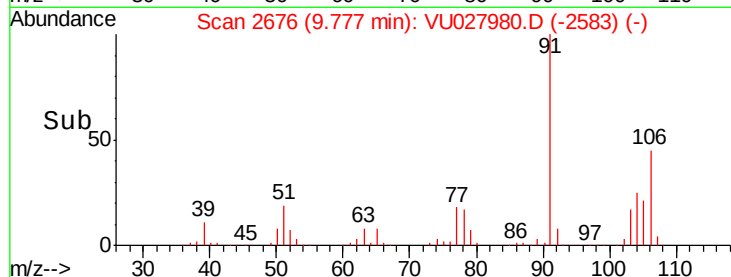
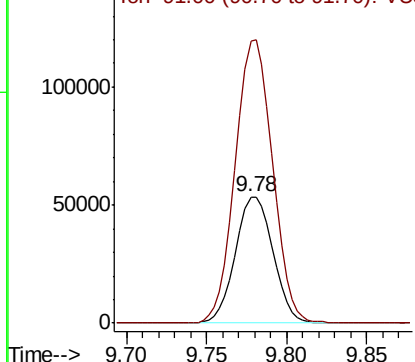
Tot Ion:106 Resp: 85709
Ion Ratio Lower Upper
106 100
91 223.5 111.1 333.4

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM

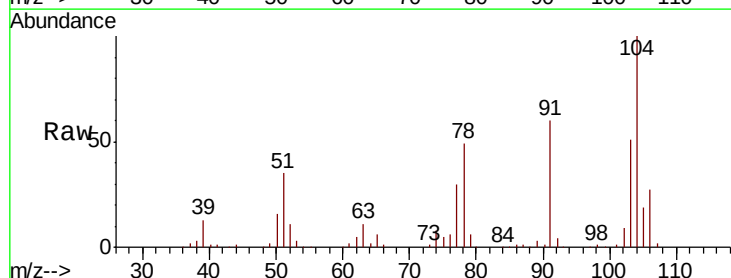


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

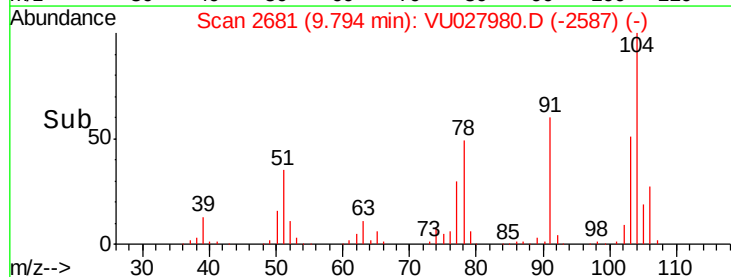
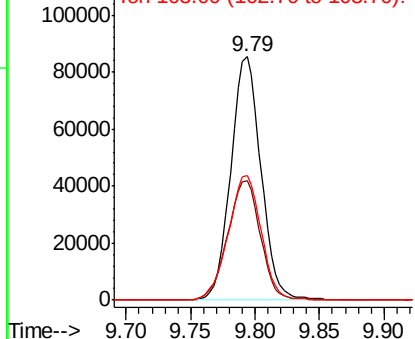


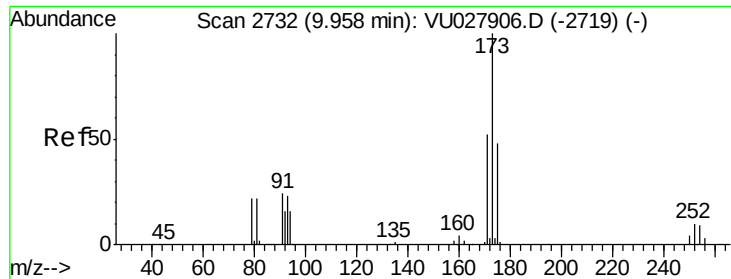
#70
Styrene
Concen: 19.181 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion:104 Resp: 138818
Ion Ratio Lower Upper
104 100
78 53.7 43.0 64.4
103 55.8 45.1 67.7



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





#71

Bromoform

Concen: 18.729 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion:173 Resp: 36008

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

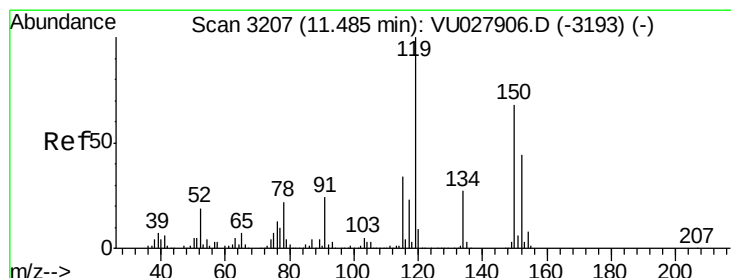
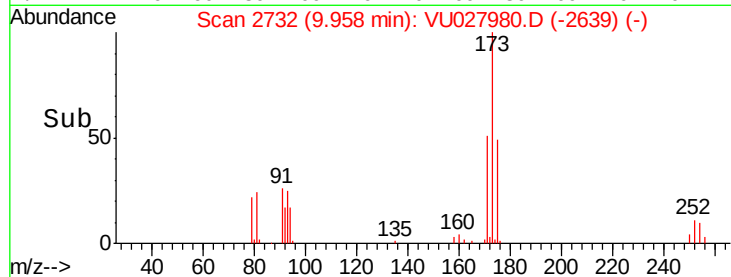
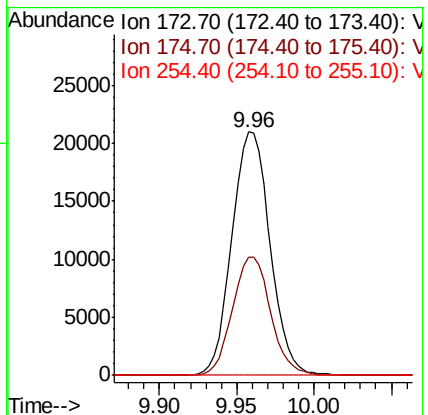
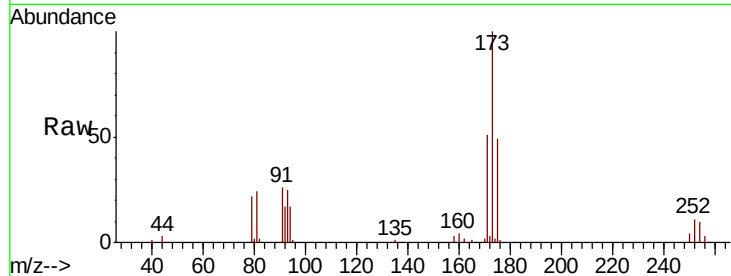
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:42:39 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

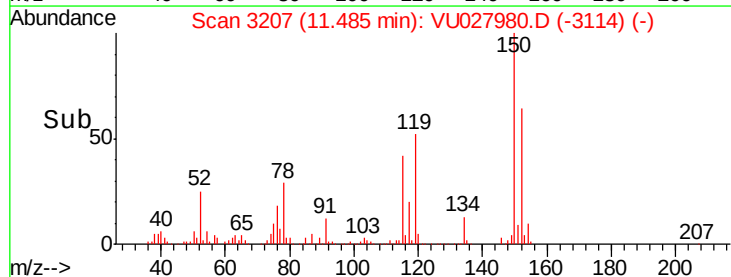
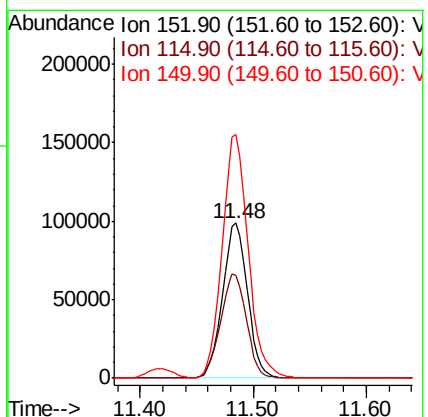
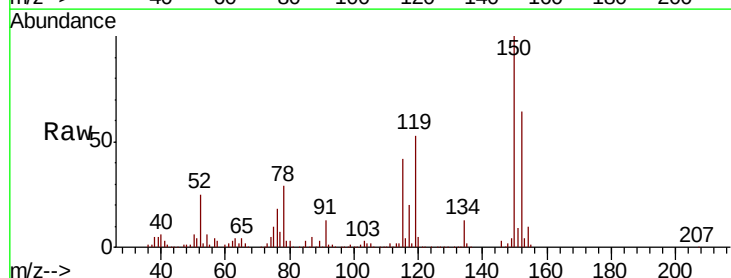
Tgt Ion:152 Resp: 151724

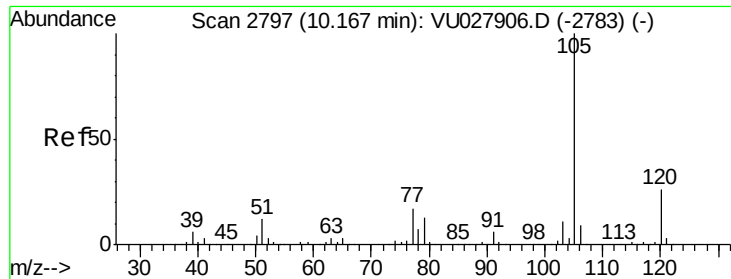
Ion Ratio Lower Upper

152 100

115 69.4 43.0 129.0

150 163.7 0.0 349.4





#73

Isopropylbenzene

Concen: 19.469 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 105 Resp: 228842

Ion Ratio Lower Upper

105 100

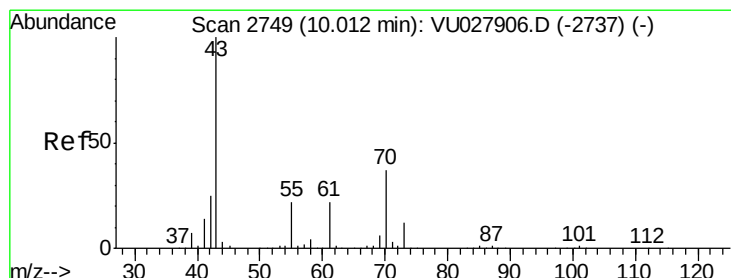
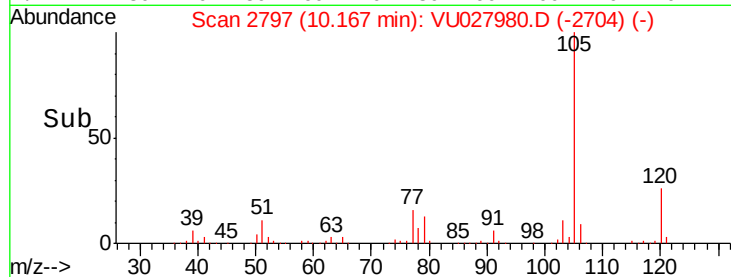
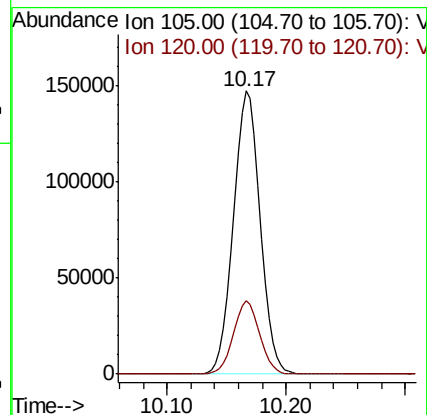
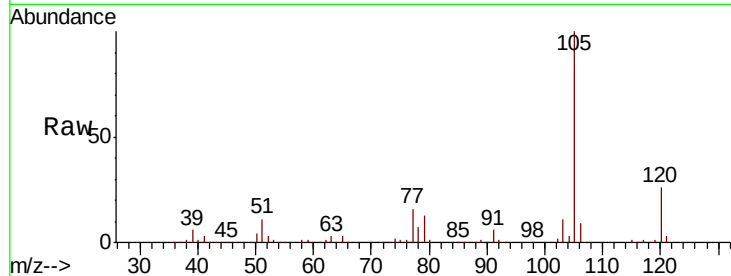
120 25.3 12.7 38.0

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:42:39 PM



#74

N-ethyl acetate

Concen: 19.359 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion: 43 Resp: 137594

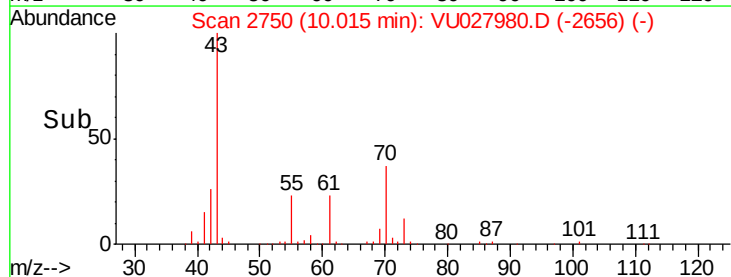
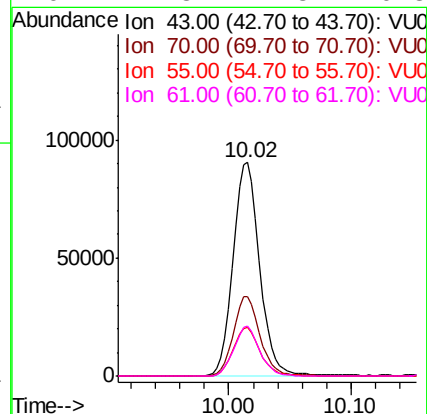
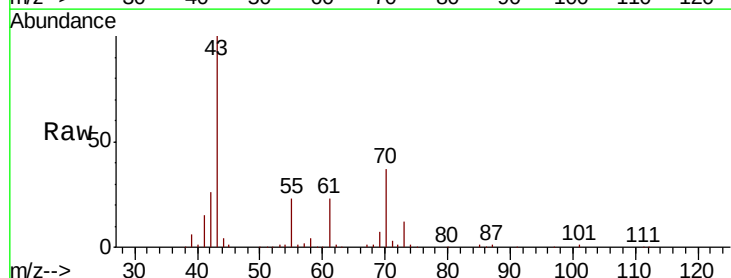
Ion Ratio Lower Upper

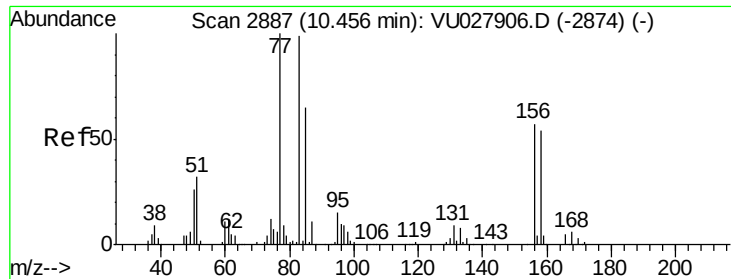
43 100

70 37.4 29.2 43.8

55 23.0 17.8 26.6

61 22.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.642 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion: 83 Resp: 93128

Ion Ratio Lower Upper

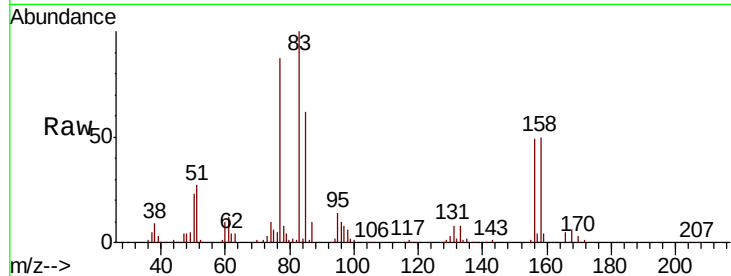
83 100

131 7.7 4.3 13.1

85 62.5 32.4 97.2

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM

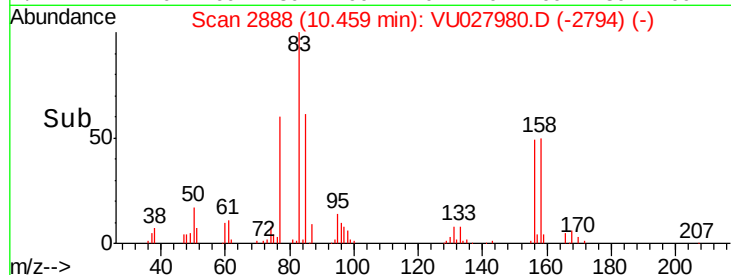


Abundance Ion 82.90 (82.60 to 83.60): VU027980.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027980.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027980.D (-2874) (-)

Time-->

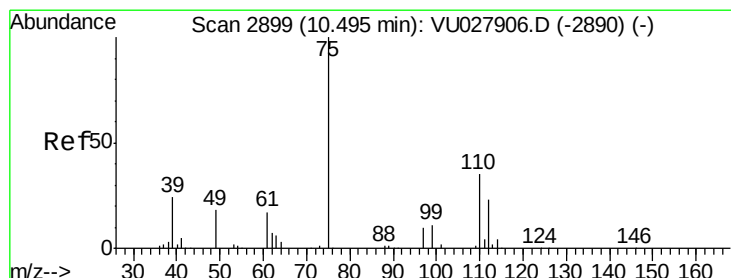


Abundance Ion 82.90 (82.60 to 83.60): VU027980.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027980.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027980.D (-2874) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.757 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027980.D

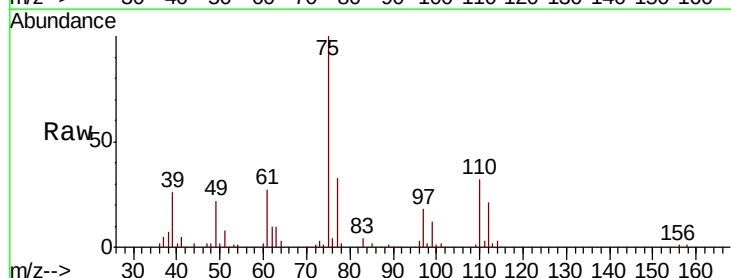
Acq: 06 Nov 2018 12:31

Tgt Ion: 75 Resp: 90292

Ion Ratio Lower Upper

75 100

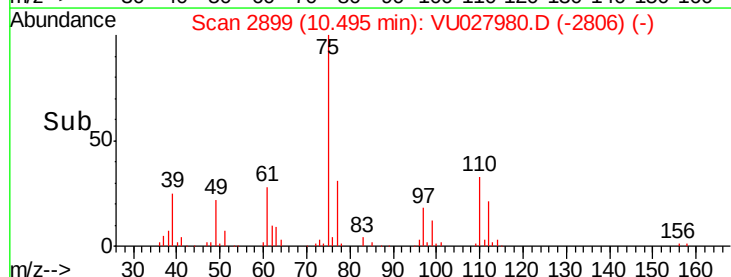
77 36.9 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027980.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027980.D (-2806) (-)

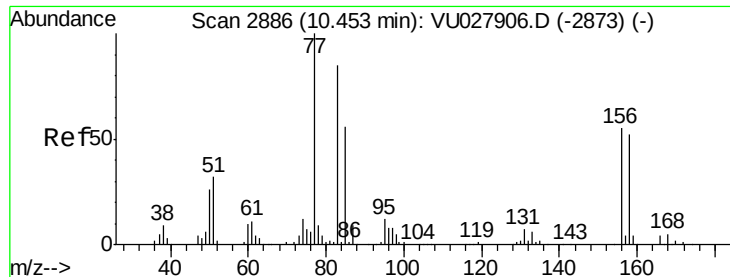
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU027980.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027980.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 19.933 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

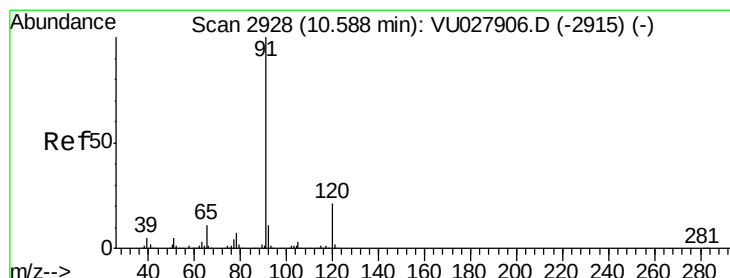
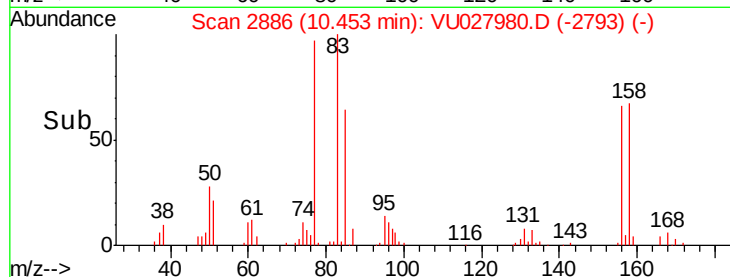
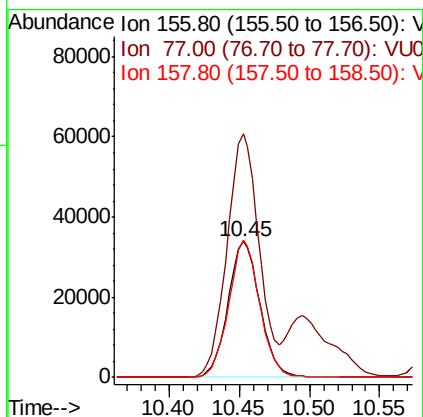
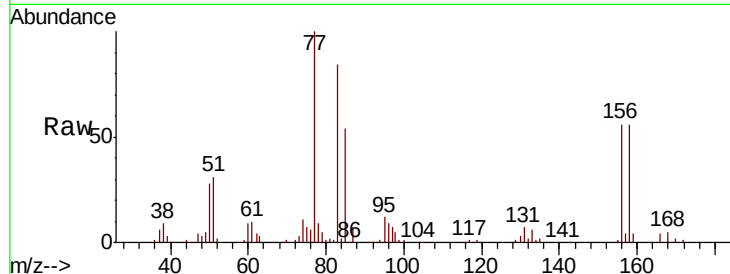
ClientSampleId :

VU1106WBSD01

Tot Ion:	156	Resp:	53723
Ion Ratio	Lower	Upper	
156	100		
77	180.5	91.8	275.6
158	97.7	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#78

n-propylbenzene

Concen: 19.472 ug/l

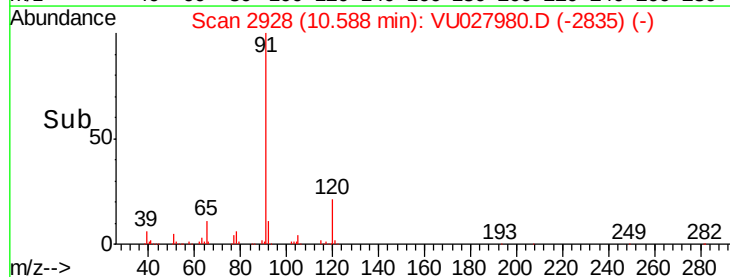
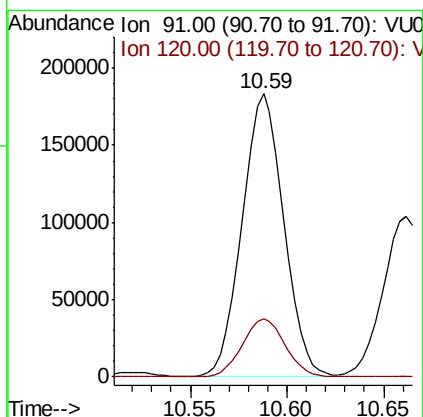
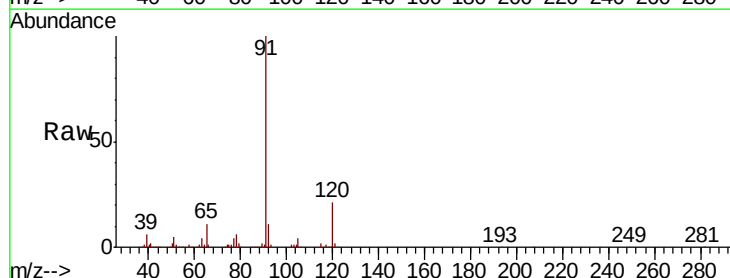
RT: 10.59 min Scan# 2928

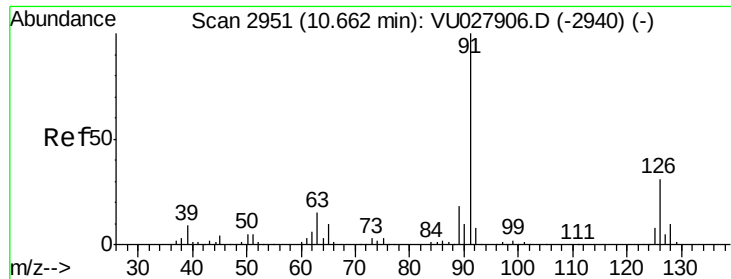
Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Tgt Ion:	91	Resp:	273952
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.6	31.8





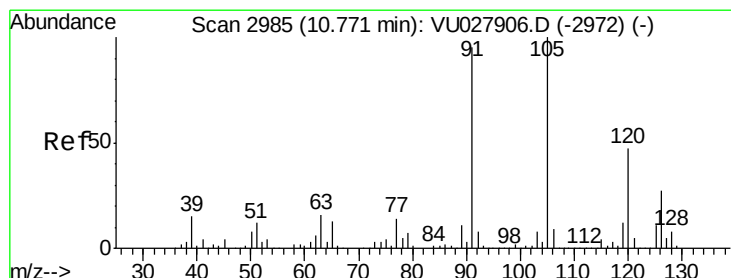
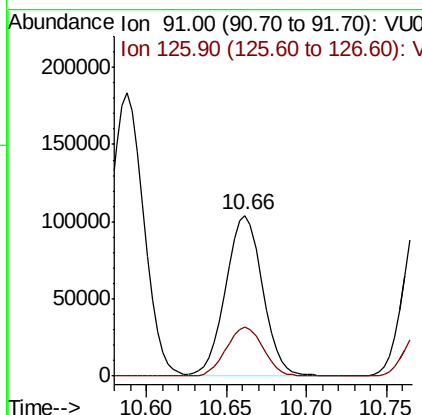
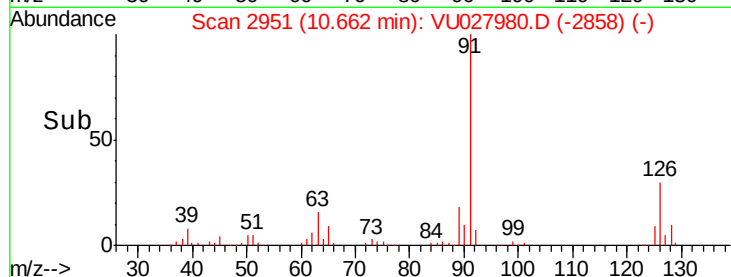
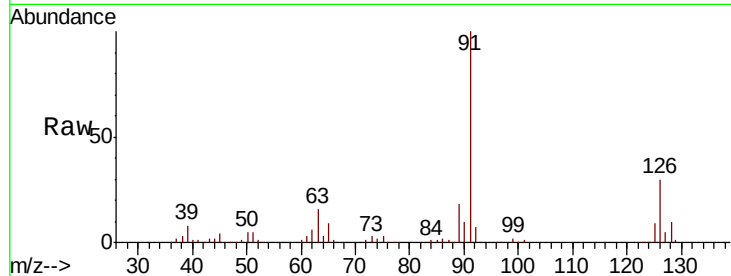
#79
2-Chlorotoluene
Concen: 19.288 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion: 91 Resp: 162663
Ion Ratio Lower Upper
91 100
126 31.0 16.0 47.9

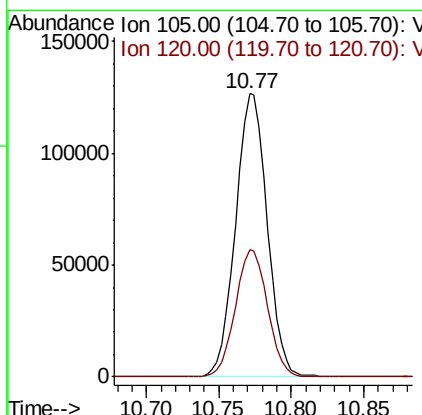
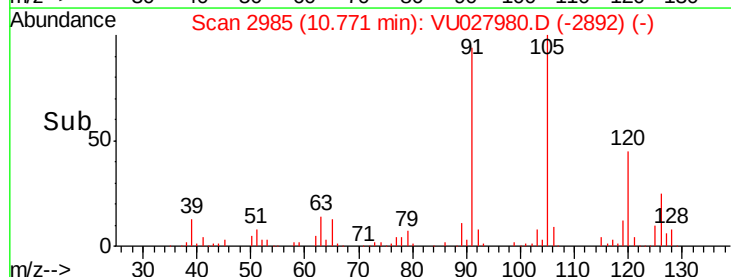
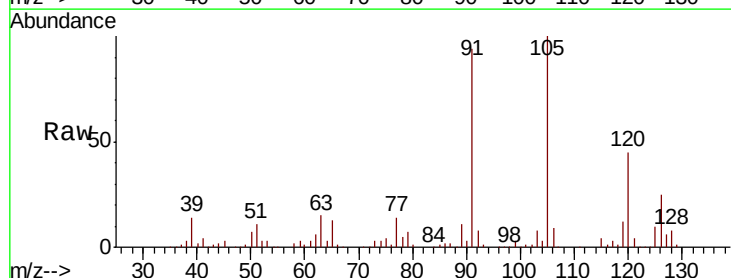
Manual Integrations
APPROVED

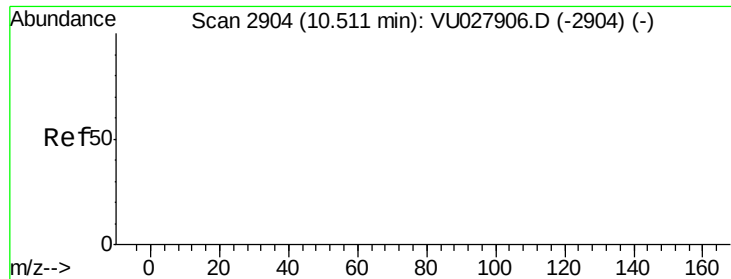
MMDadoda
11/6/2018 5:42:39 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.673 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion: 105 Resp: 191554
Ion Ratio Lower Upper
105 100
120 45.7 23.3 69.9





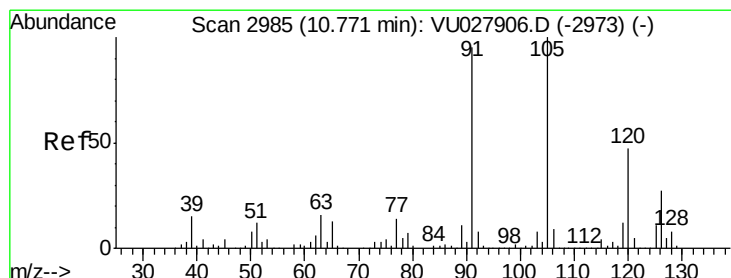
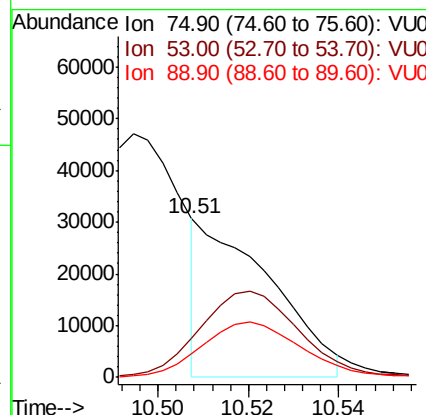
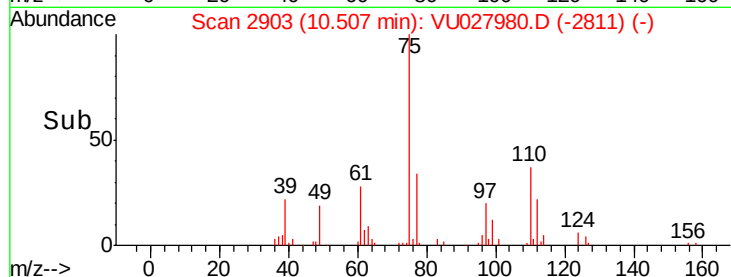
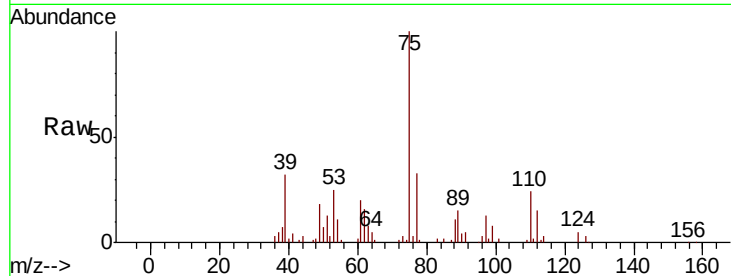
#81
trans-1,4-Dichloro-2-butene
Concen: 20.343 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

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

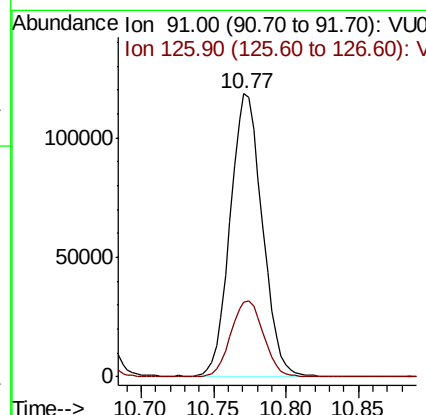
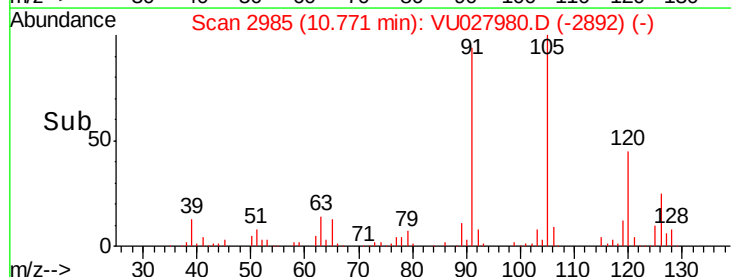
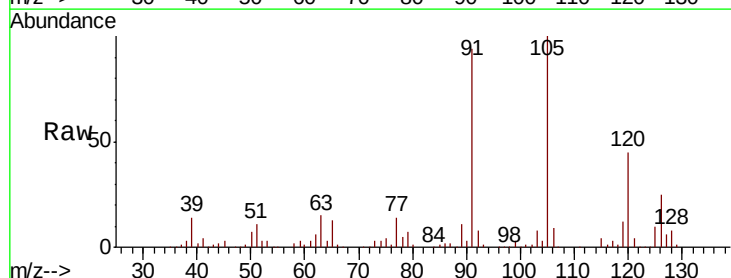
Manual Integrations
APPROVED

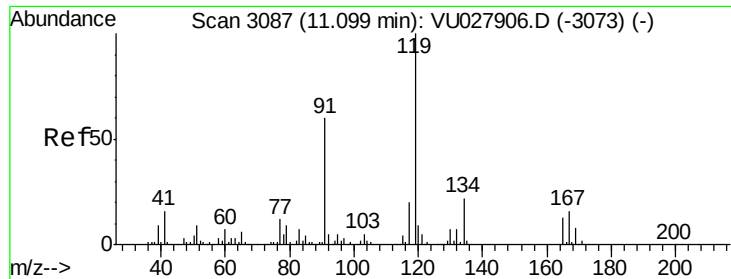
MMDadoda
11/6/2018 5:42:39 PM



#82
4-Chlorotoluene
Concen: 18.927 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.2	42.6





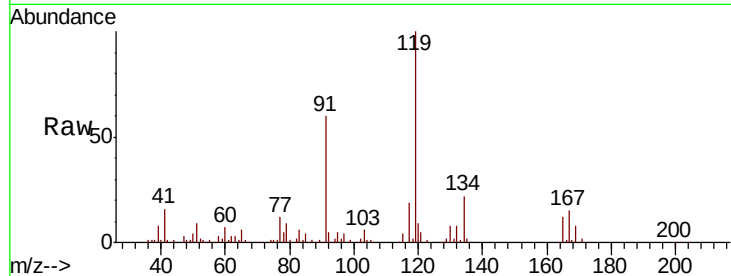
#83
tert-Butylbenzene
Concen: 19.054 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	185476		
91	60.5	29.8	89.3	
134	22.5	11.1	33.1	

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM

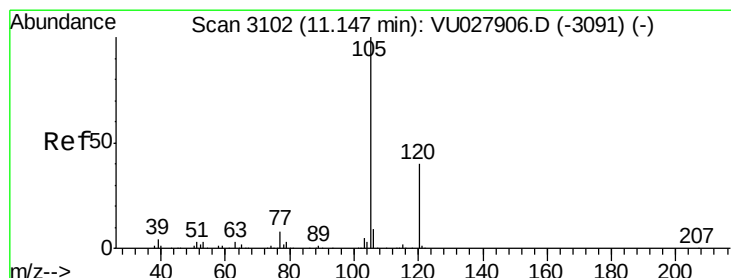
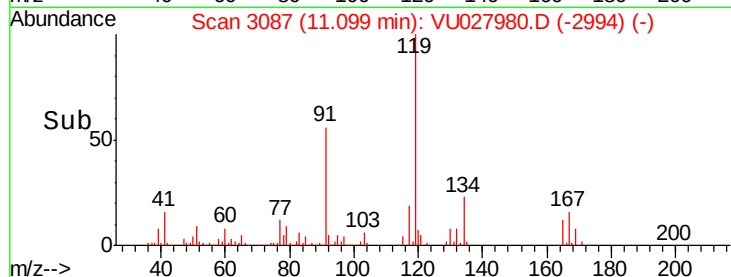
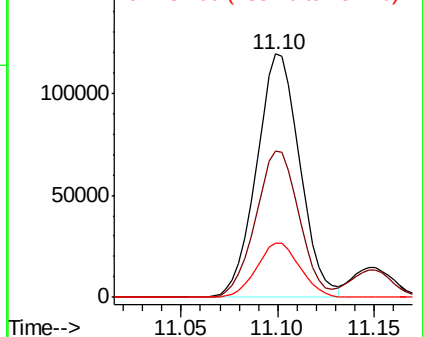


Abundance

Ion 119.00 (118.70 to 119.70): V

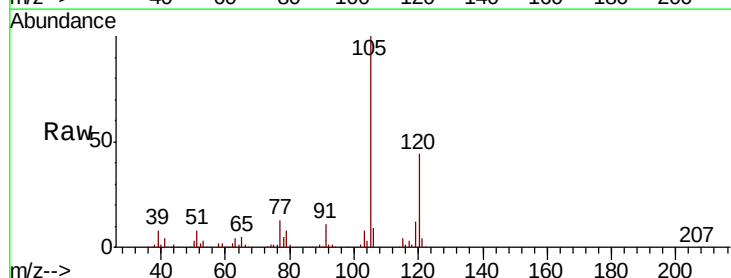
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 19.418 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

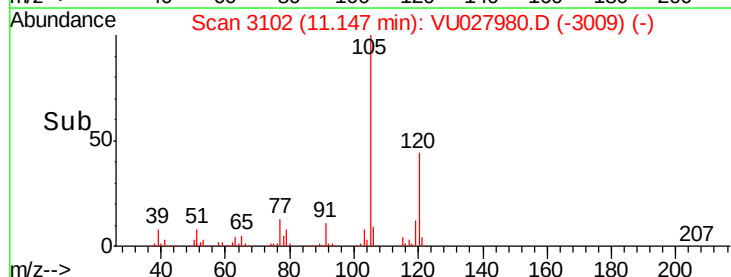
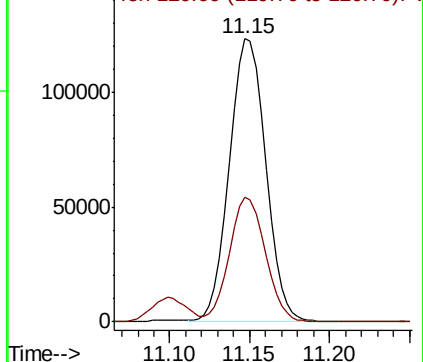
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	190390		
120	43.2	22.1	66.1	

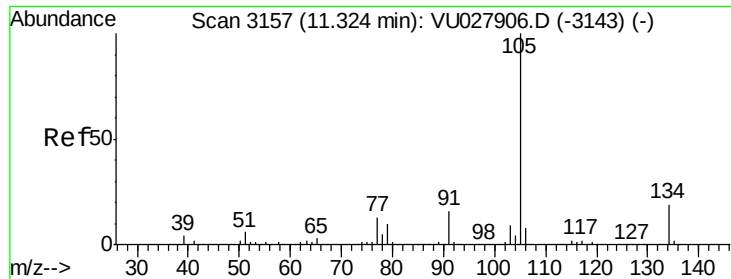


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.904 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBSD01

Tot Ion:105 Resp: 235628

Ion Ratio Lower Upper

105 100

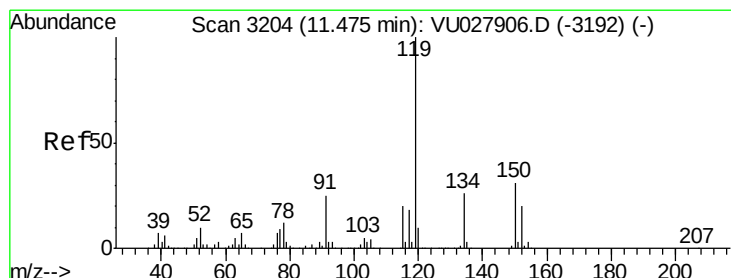
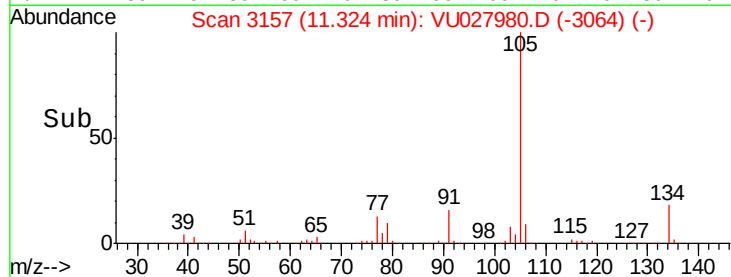
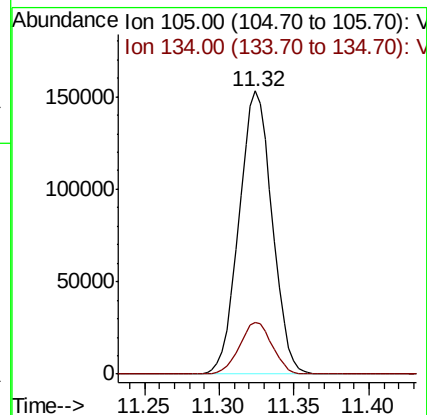
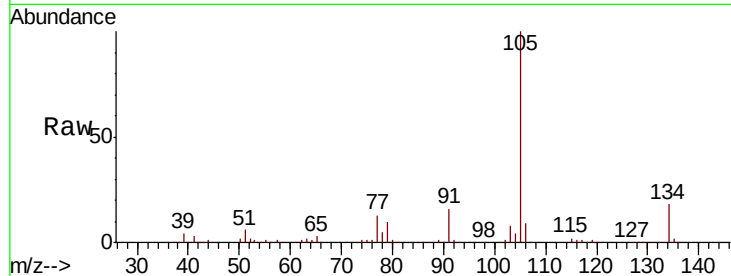
134 18.1 9.2 27.6

Manual Integrations

APPROVED

MMDadoda

11/6/2018 5:42:39 PM



#86

p-Isopropyltoluene

Concen: 19.694 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027980.D

Acq: 06 Nov 2018 12:31

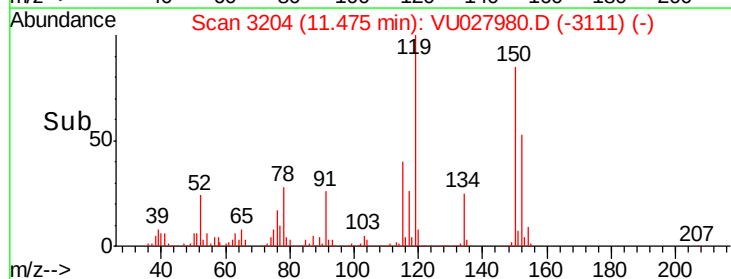
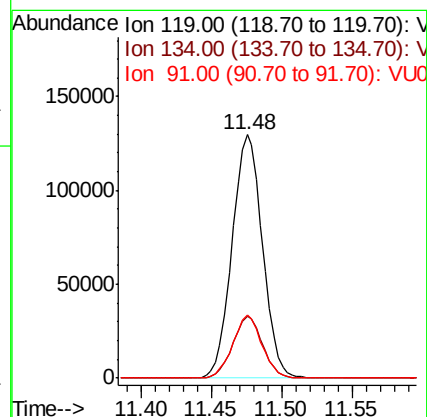
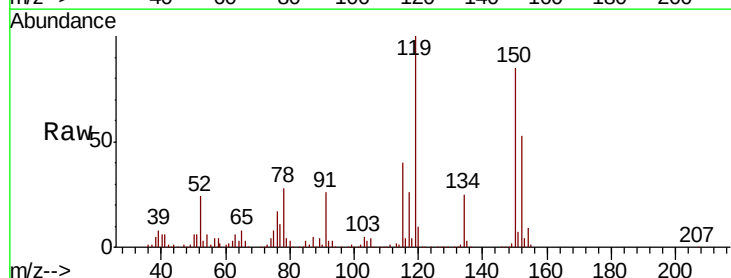
Tgt Ion:119 Resp: 194903

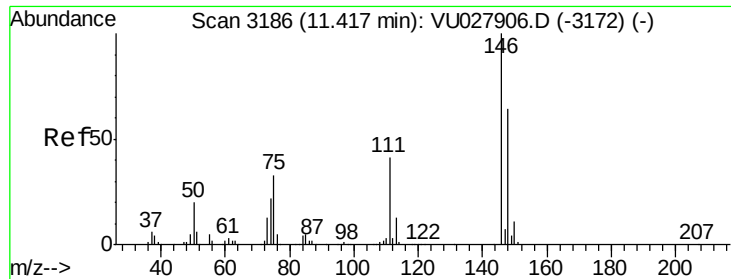
Ion Ratio Lower Upper

119 100

134 24.9 12.9 38.7

91 24.9 12.4 37.2





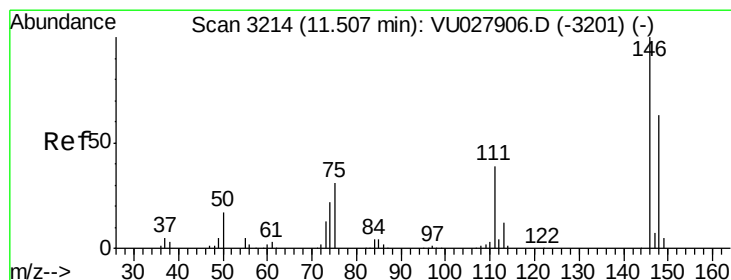
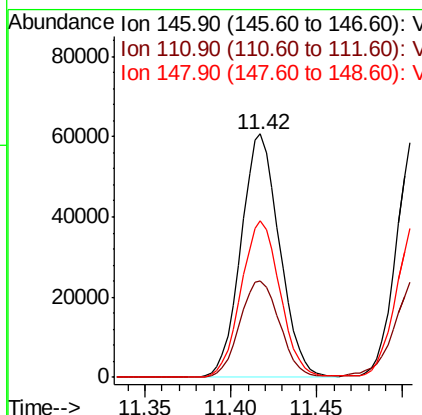
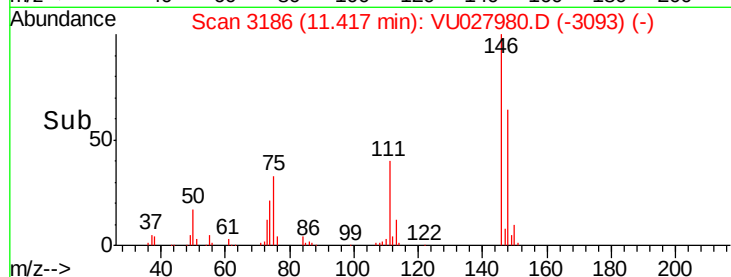
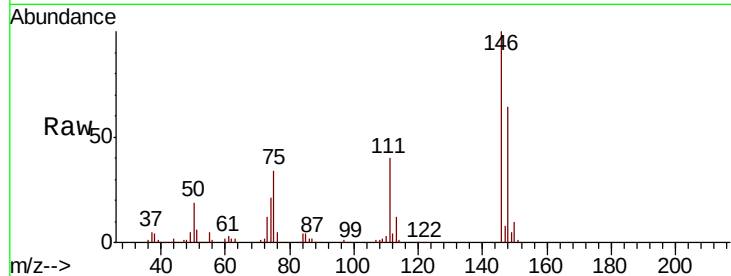
#87
 1,3-Dichlorobenzene
 Concen: 18.992 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.9	31.8	95.4

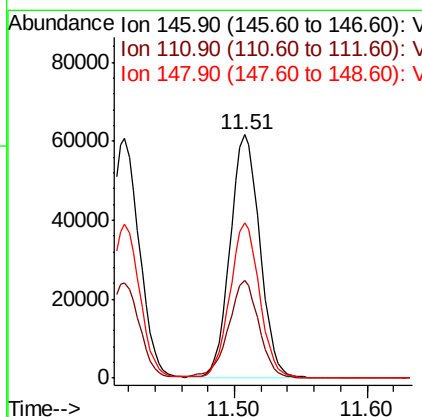
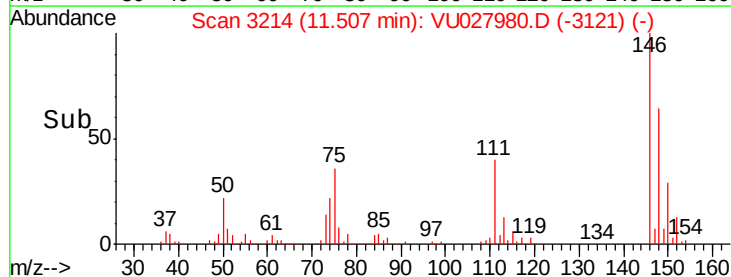
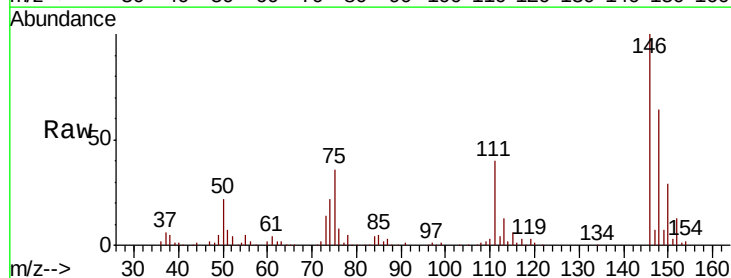
Manual Integrations
 APPROVED

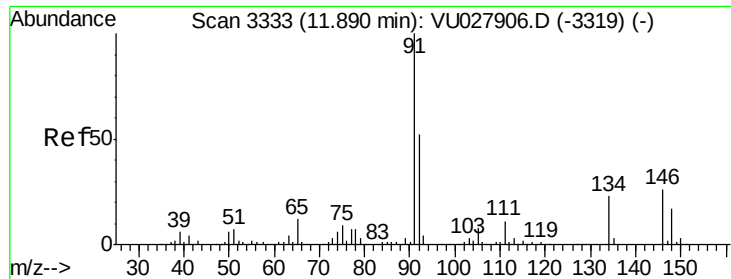
MMDadoda
 11/6/2018 5:42:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.934 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	63.7	32.0	96.2





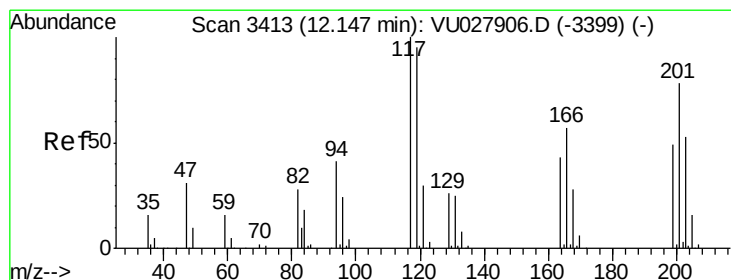
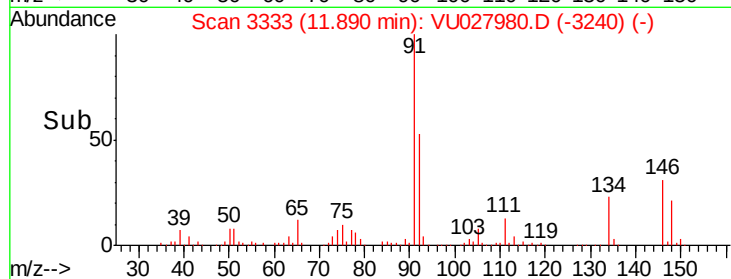
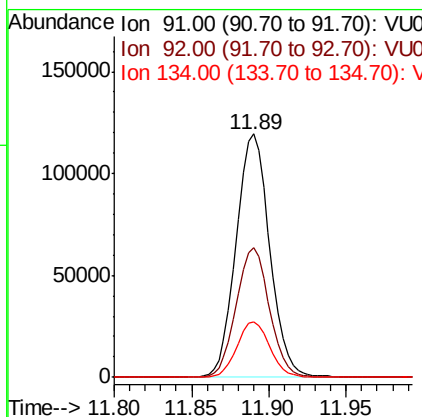
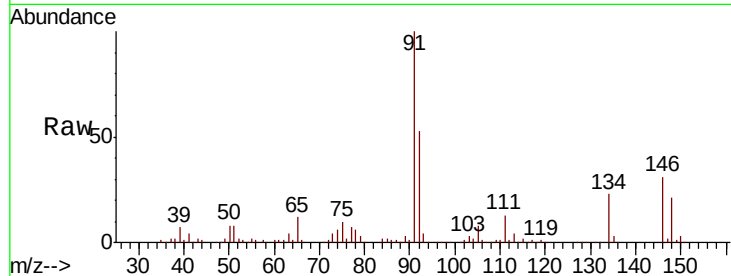
#89
n-Butylbenzene
Concen: 19.193 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	22.4	11.5	34.5

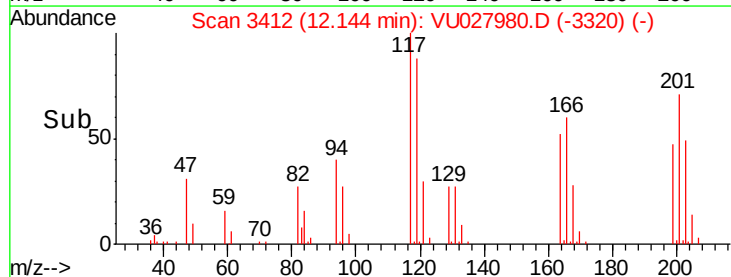
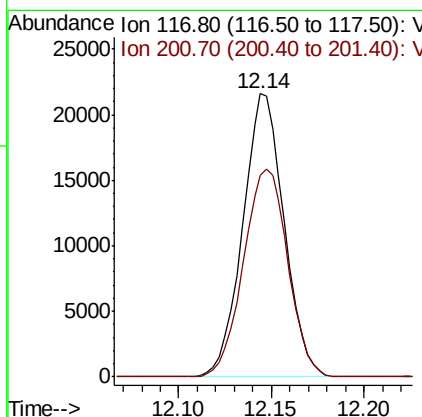
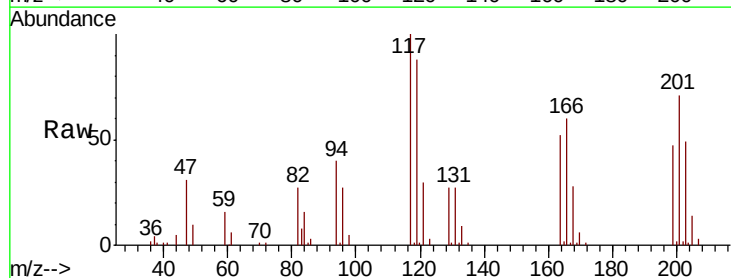
Manual Integrations
APPROVED

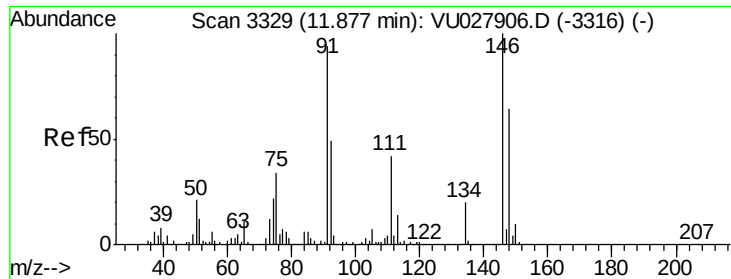
MMDadoda
11/6/2018 5:42:39 PM



#90
Hexachloroethane
Concen: 19.041 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.5	115.5





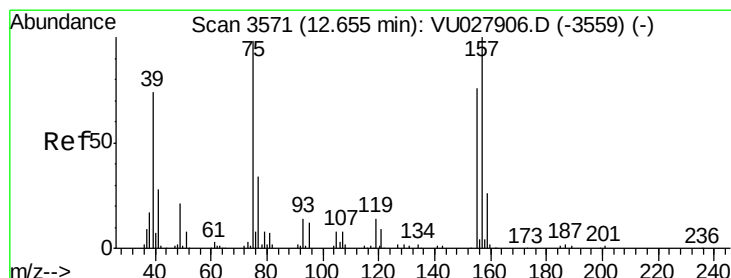
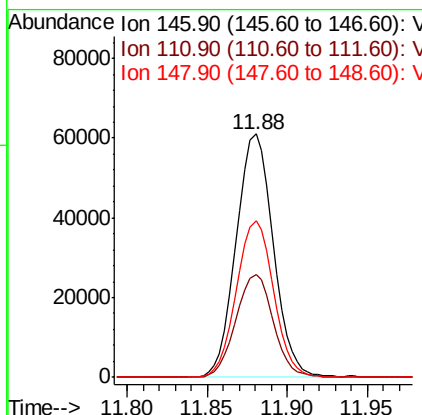
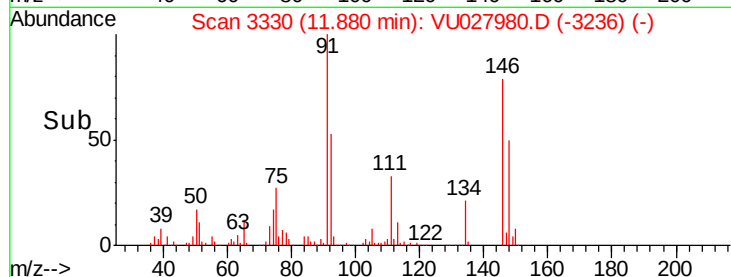
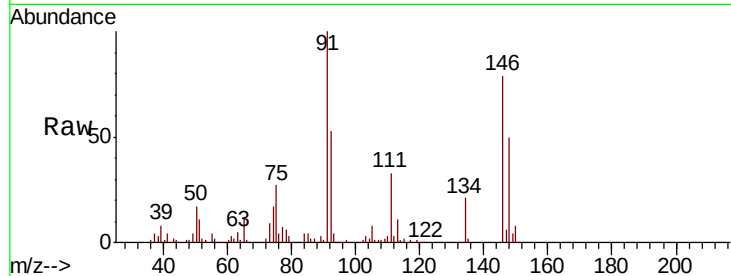
#91
 1,2-Dichlorobenzene
 Concen: 19.287 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	64.4	31.8	95.3

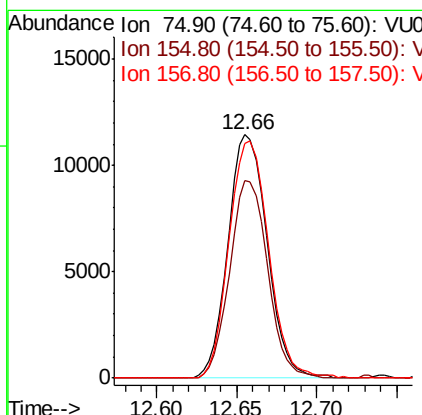
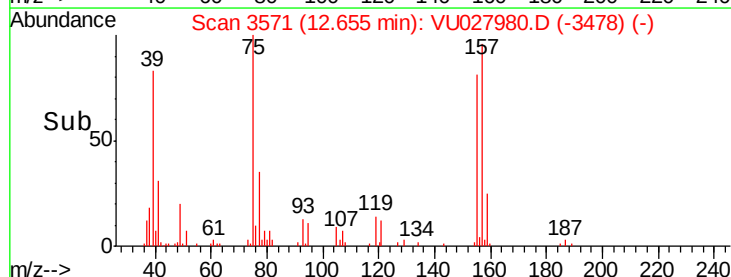
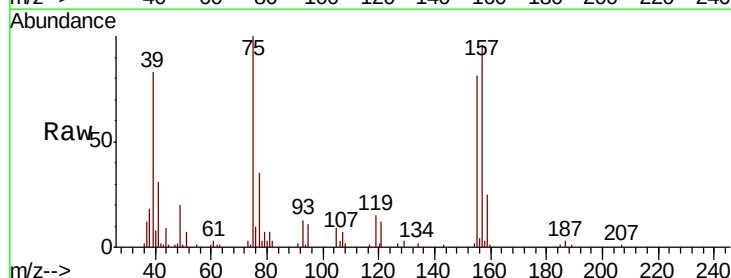
Manual Integrations
 APPROVED

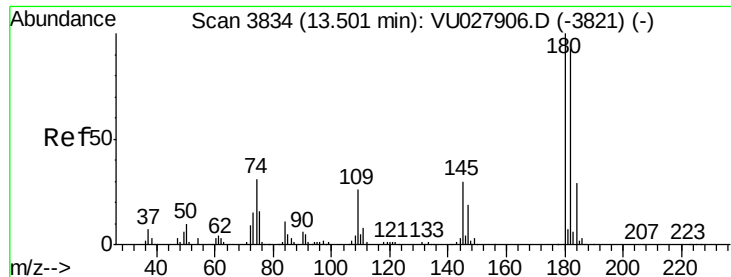
MMDadoda
 11/6/2018 5:42:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.153 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.8	119.3
157	98.3	50.6	151.9





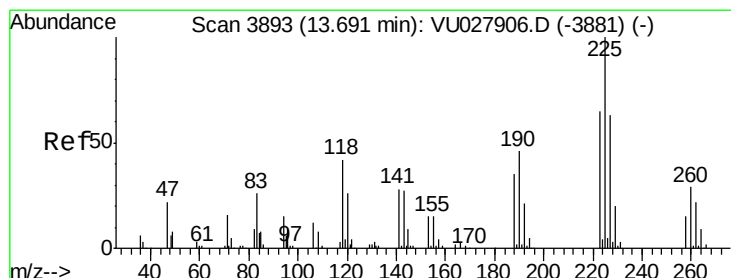
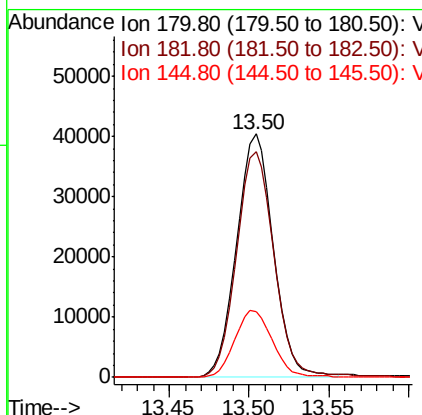
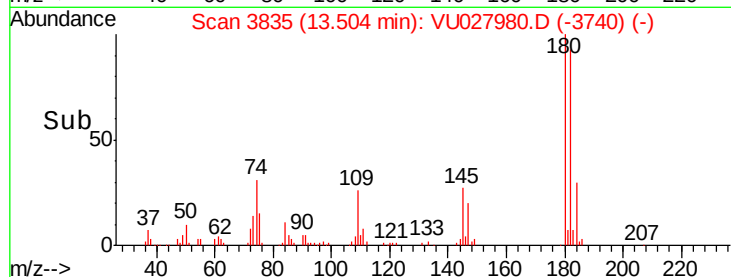
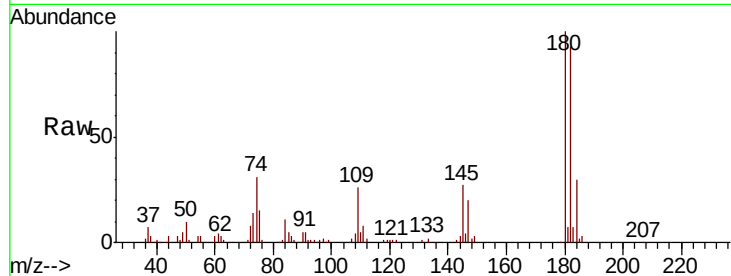
#93
 1,2,4-Trichlorobenzene
 Concen: 18.378 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.2
145	28.3	14.9	44.5

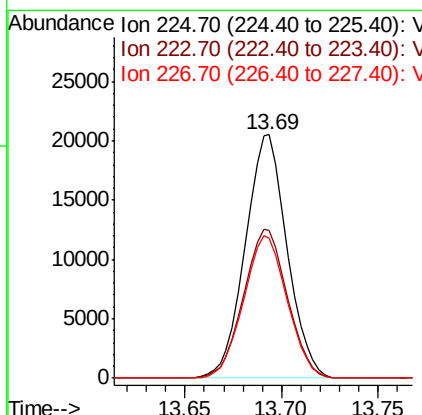
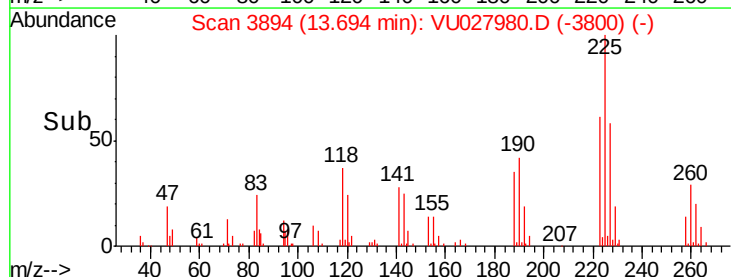
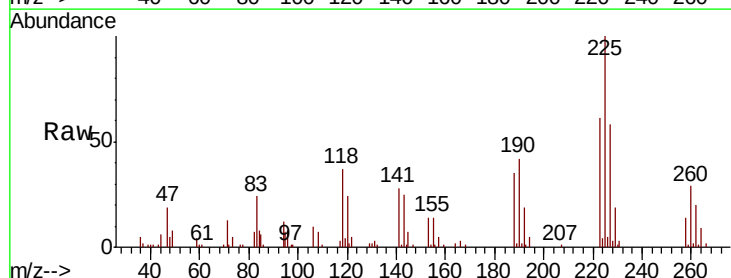
Manual Integrations
 APPROVED

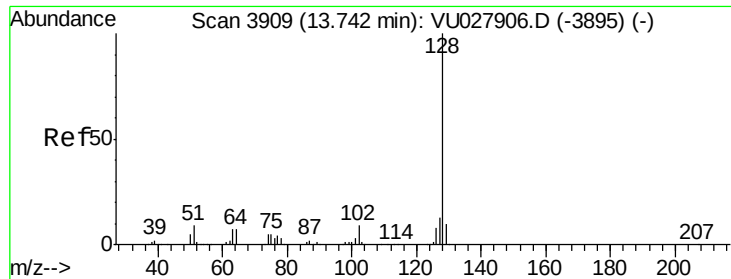
MMDadoda
 11/6/2018 5:42:39 PM



#94
 Hexachlorobutadiene
 Concen: 19.373 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027980.D
 Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.2	96.6
227	60.8	32.5	97.4





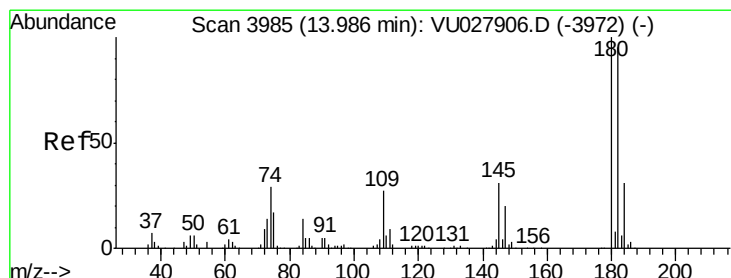
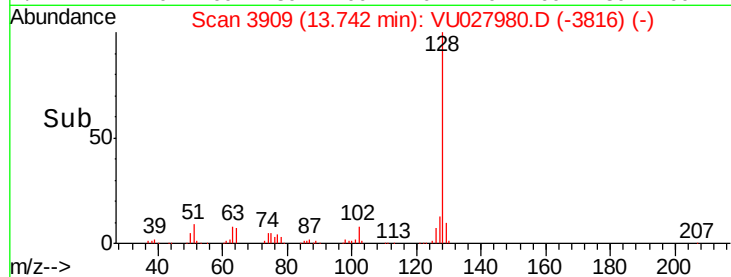
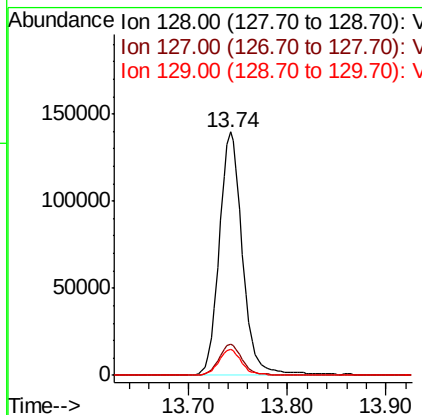
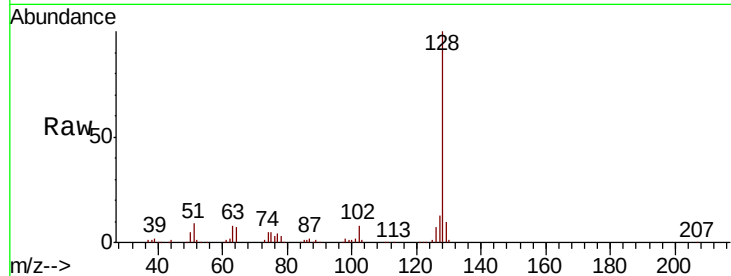
#95
Naphthalene
Concen: 18.475 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/6/2018 5:42:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.516 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027980.D
Acq: 06 Nov 2018 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	31.6	16.0	47.9

