

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110718\
 Data File : VU027991.D
 Acq On : 07 Nov 2018 08:59
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:10:57 AM

Quant Time: Nov 07 09:24:08 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	4.98	168	206858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	353129	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	328842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	162613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	140136	45.57	ug/l	0.00
Spiked Amount			Recovery	=	91.14%	
35) Dibromofluoromethane	4.88	113	106284	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	7.57	98	413195	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	10.31	95	154261	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	103694	39.450	ug/l	96
3) Chloromethane	1.33	50	137089	43.124	ug/l	97
4) Vinyl Chloride	1.40	62	137940	43.719	ug/l	98
5) Bromomethane	1.62	94	56026	44.092	ug/l	100
6) Chloroethane	1.69	64	84551	46.502	ug/l	99
7) Trichlorofluoromethane	1.88	101	170390	46.735	ug/l	98
8) Diethyl Ether	2.10	74	75724	48.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	107814	49.779	ug/l	99
10) Methyl Iodide	2.41	142	71018	37.922	ug/l	98
11) Tert butyl alcohol	2.83	59	166779	204.843	ug/l	99
12) 1,1-Dichloroethene	2.29	96	100538	46.374	ug/l	97
13) Acrolein	2.20	56	75054	250.624	ug/l	98
14) Allyl chloride	2.59	41	233274	44.025	ug/l	97
15) Acrylonitrile	2.93	53	467038	233.524	ug/l	100
16) Acetone	2.32	43	442203	231.747	ug/l	99
17) Carbon Disulfide	2.48	76	300248	42.370	ug/l	99
18) Methyl Acetate	2.61	43	236371	45.032	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	417924	47.802	ug/l	99
20) Methylene Chloride	2.70	84	128081	45.973	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	110592	44.202	ug/l	99
22) Diisopropyl ether	3.57	45	515533	47.127	ug/l	99
23) Vinyl Acetate	3.52	43	2228513	237.039	ug/l	100
24) 1,1-Dichloroethane	3.45	63	249011	45.700	ug/l	99
25) 2-Butanone	4.26	43	701475	231.078	ug/l	98
26) 2,2-Dichloropropane	4.23	77	201349	49.241	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	134580	47.967	ug/l	99
28) Bromochloromethane	4.55	49	125429	49.103	ug/l	100
29) Tetrahydrofuran	4.64	42	438522	216.337	ug/l	98
30) Chloroform	4.67	83	231552	46.347	ug/l	98
31) Cyclohexane	5.00	56	242372	45.165	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	189843	47.736	ug/l	99
36) 1,1-Dichloropropene	5.14	75	175654	47.494	ug/l	100
37) Ethyl Acetate	4.38	43	243654	44.962	ug/l	99
38) Carbon Tetrachloride	5.13	117	158019	48.212	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110718\
 Data File : VU027991.D
 Acq On : 07 Nov 2018 08:59
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:10:57 AM

Quant Time: Nov 07 09:24:08 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	215809	48.379	ug/l	99
40) Benzene	5.39	78	533421	47.174	ug/l	99
41) Methacrylonitrile	4.54	41	139632	48.283	ug/l	98
42) 1,2-Dichloroethane	5.40	62	188578	46.918	ug/l	100
43) Isopropyl Acetate	5.55	43	399072	47.005	ug/l	99
44) Trichloroethene	6.19	130	118213	48.635	ug/l	99
45) 1,2-Dichloropropane	6.43	63	156868	48.104	ug/l	98
46) Dibromomethane	6.56	93	91572	48.853	ug/l	96
47) Bromodichloromethane	6.76	83	179408	49.666	ug/l	100
48) Methyl methacrylate	6.62	41	200619	48.220	ug/l	99
49) 1,4-Dioxane	6.61	88	61720	909.274	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1309990	231.042	ug/l	99
52) Toluene	7.64	92	320004	48.138	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	211782	47.338	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	228967	51.417	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	130412	48.219	ug/l	97
56) Ethyl methacrylate	8.02	69	239311	50.176	ug/l	99
57) 1,3-Dichloropropane	8.24	76	238144	48.338	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	625958	245.050	ug/l	99
59) 2-Hexanone	8.36	43	1036850	236.438	ug/l	99
60) Dibromochloromethane	8.48	129	131259	51.288	ug/l	99
61) 1,2-Dibromoethane	8.58	107	139130	48.414	ug/l	98
64) Tetrachloroethene	8.23	164	99916	46.858	ug/l	98
65) Chlorobenzene	9.12	112	334664	48.170	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	117699	49.598	ug/l	100
67) Ethyl Benzene	9.25	91	628971	49.184	ug/l	100
68) m/p-Xylenes	9.38	106	457427	98.582	ug/l	98
69) o-Xylene	9.78	106	223886	47.783	ug/l	97
70) Styrene	9.79	104	378752	50.591	ug/l	98
71) Bromoform	9.96	173	102530	51.554	ug/l #	100
73) Isopropylbenzene	10.17	105	612352	48.609	ug/l	99
74) N-amyl acetate	10.01	43	369232	48.472	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	235176	46.281	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	244221m	54.907	ug/l	
77) Bromobenzene	10.45	156	142553	49.350	ug/l	100
78) n-propylbenzene	10.59	91	761148	50.477	ug/l	99
79) 2-Chlorotoluene	10.66	91	432452	47.846	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	512873	49.146	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	93529m	52.488	ug/l	
82) 4-Chlorotoluene	10.77	91	503078	49.027	ug/l	99
83) tert-Butylbenzene	11.10	119	501180	48.040	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	519030	49.393	ug/l	100
85) sec-Butylbenzene	11.32	105	641688	50.576	ug/l	100
86) p-Isopropyltoluene	11.48	119	543813	51.271	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	261709	49.045	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	263916	48.254	ug/l	100
89) n-Butylbenzene	11.89	91	542109	53.779	ug/l	99
90) Hexachloroethane	12.14	117	95614	50.633	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	261185	48.672	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52079	48.639	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110718\
Data File : VU027991.D
Acq On : 07 Nov 2018 08:59
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

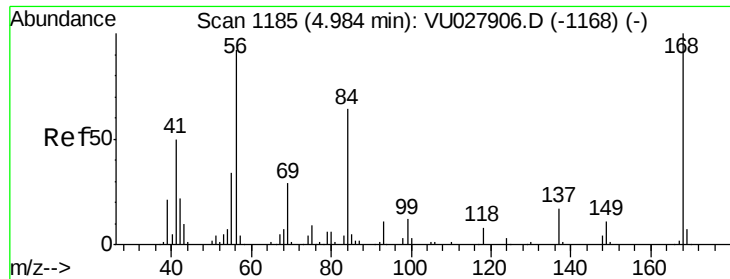
Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM

Quant Time: Nov 07 09:24:08 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)
93) 1,2,4-Trichlorobenzene	13.50	180	184857	49.132	ug/l	99
94) Hexachlorobutadiene	13.69	225	88130	51.675	ug/l	100
95) Naphthalene	13.74	128	633461	47.481	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	188973	52.481	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 206858

Ion Ratio Lower Upper

168 100

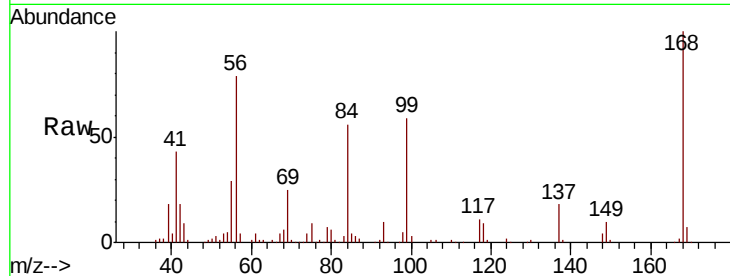
99 59.2 47.9 71.9

Manual Integrations

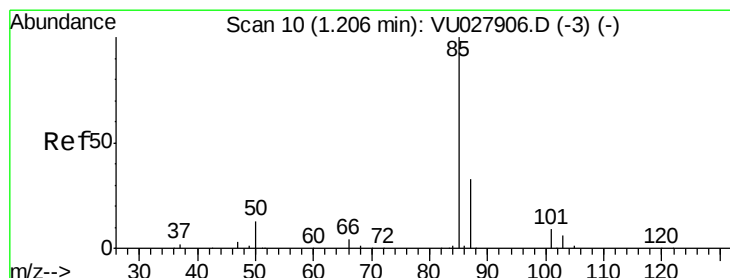
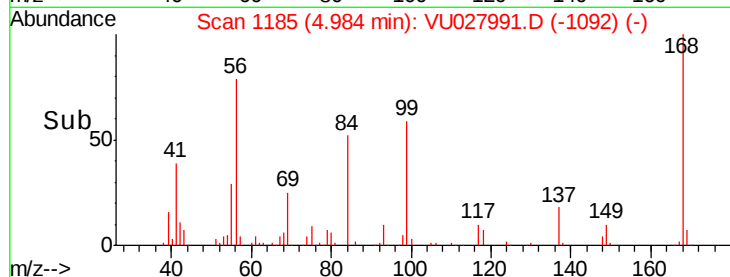
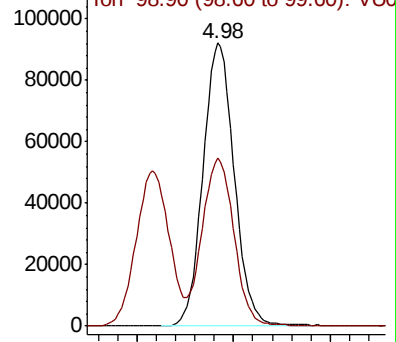
APPROVED

MMDadoda

11/8/2018 9:10:57 AM



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



#2

Dichlorodifluoromethane

Concen: 39.450 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027991.D

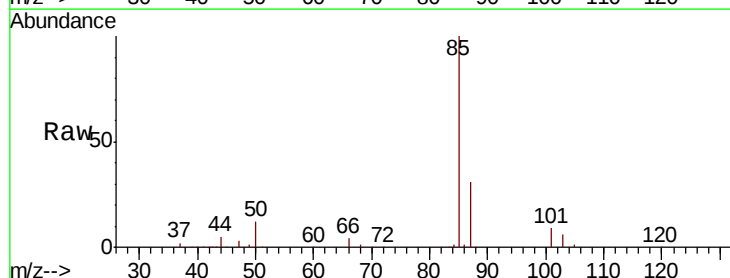
Acq: 07 Nov 2018 08:59

Tgt Ion: 85 Resp: 103694

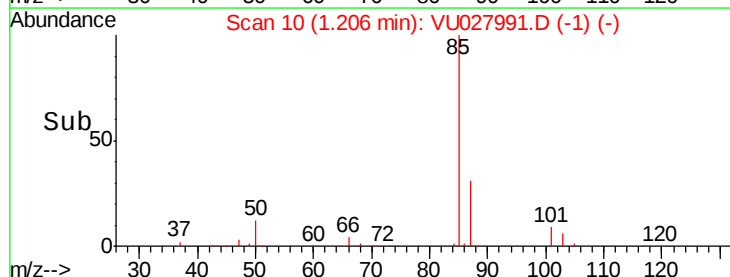
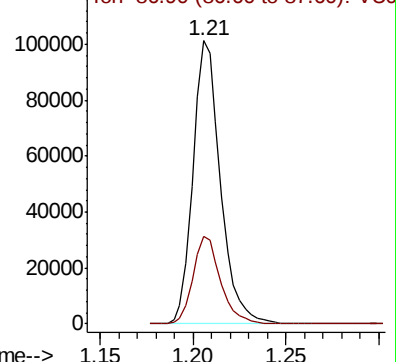
Ion Ratio Lower Upper

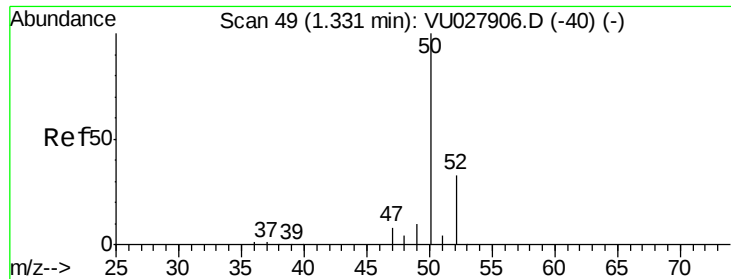
85 100

87 30.9 16.5 49.5



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





#3

Chloromethane

Concen: 43.124 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137089

Ion Ratio Lower Upper

50 100

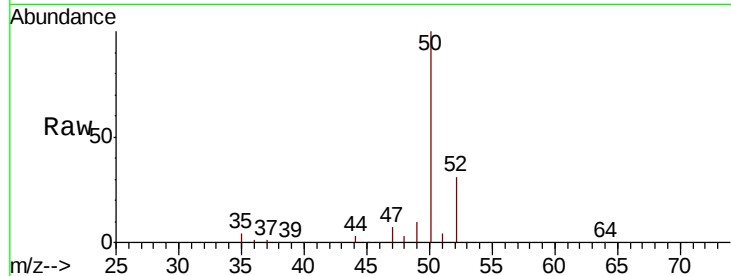
52 31.4 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

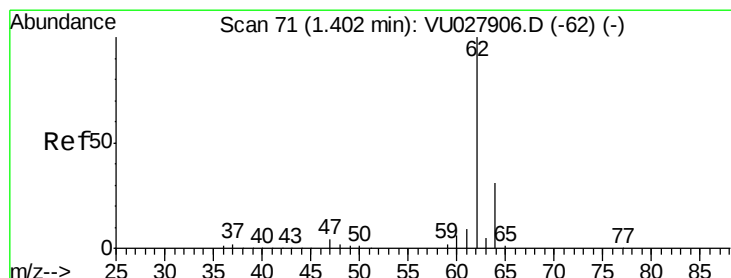
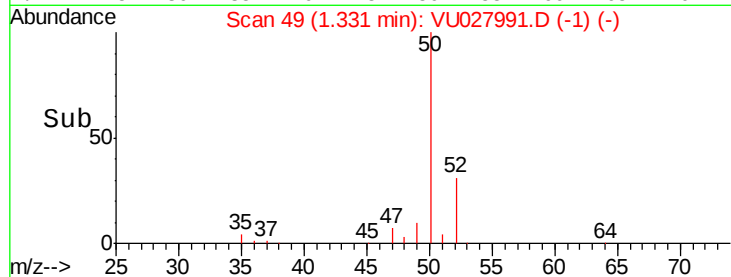
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 43.719 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027991.D

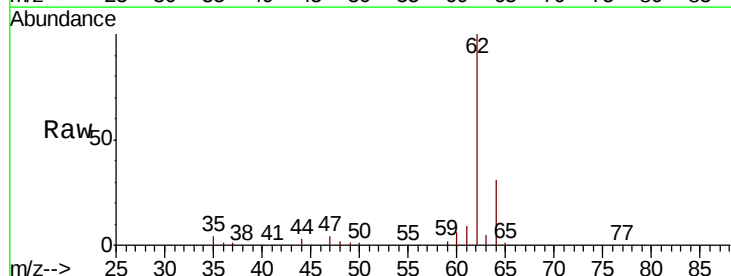
Acq: 07 Nov 2018 08:59

Tgt Ion: 62 Resp: 137940

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

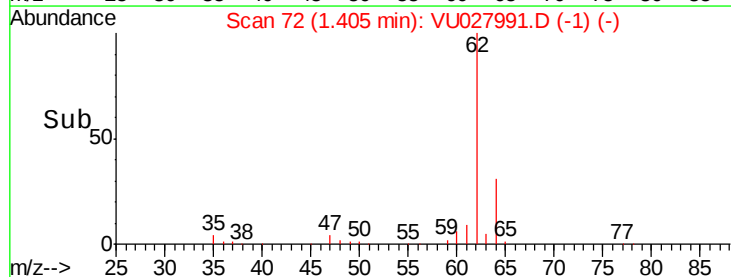
150000

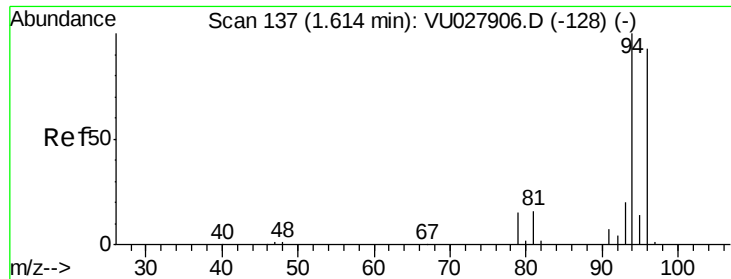
100000

50000

0

Time-->





#5

Bromomethane

Concen: 44.092 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 56026

Ion Ratio Lower Upper

94 100

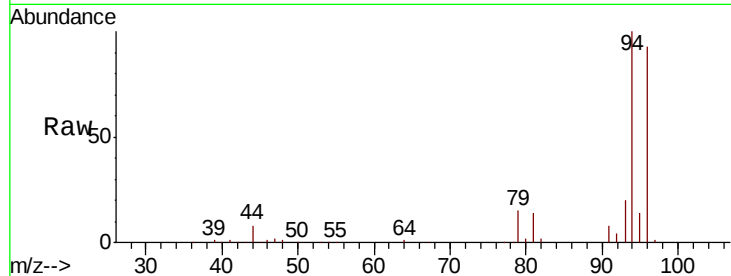
96 93.5 74.8 112.2

Manual Integrations

APPROVED

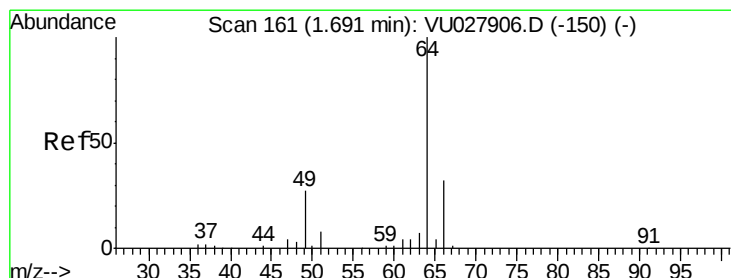
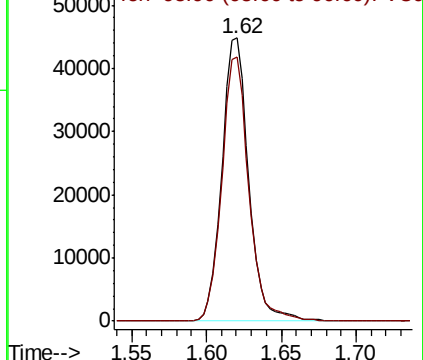
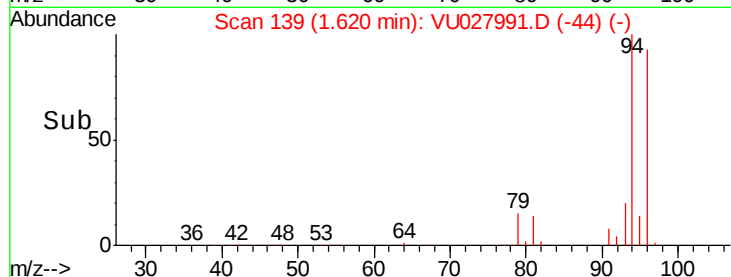
MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 93.90 (93.60 to 94.60): VU027991.D (-44) (-)

Ion 95.90 (95.60 to 96.60): VU027991.D (-44) (-)



#6

Chloroethane

Concen: 46.502 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027991.D

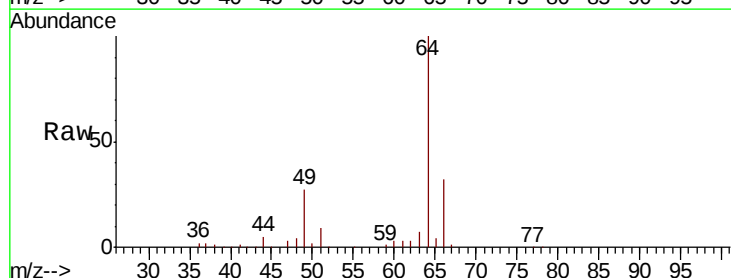
Acq: 07 Nov 2018 08:59

Tgt Ion: 64 Resp: 84551

Ion Ratio Lower Upper

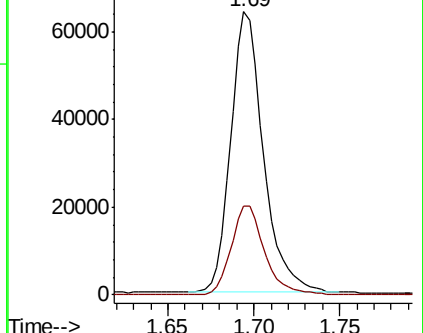
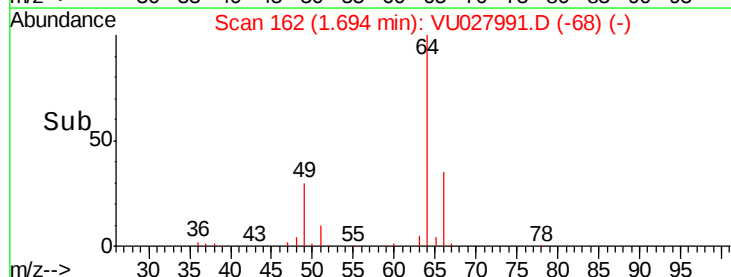
64 100

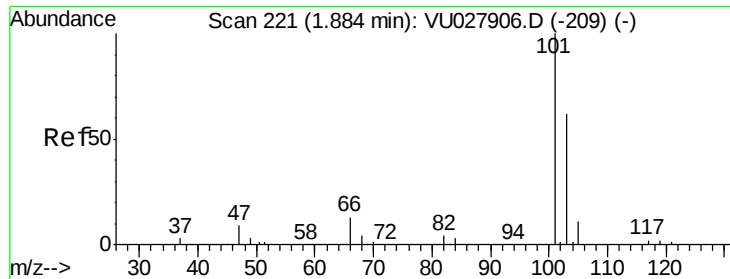
66 31.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027991.D (-68) (-)

Ion 65.90 (65.60 to 66.60): VU027991.D (-68) (-)





#7

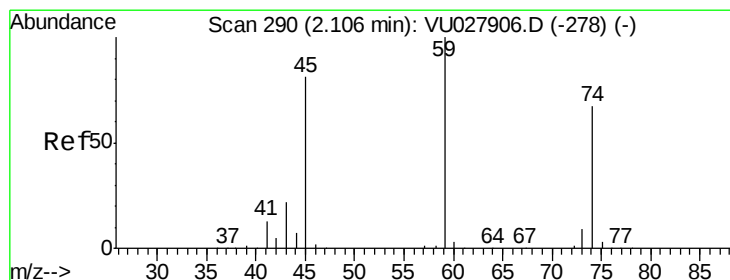
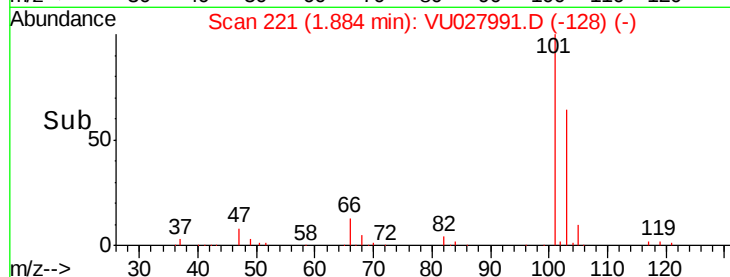
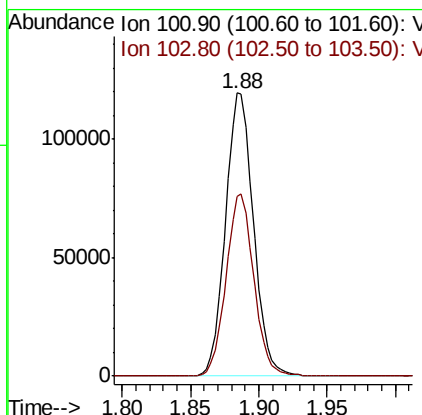
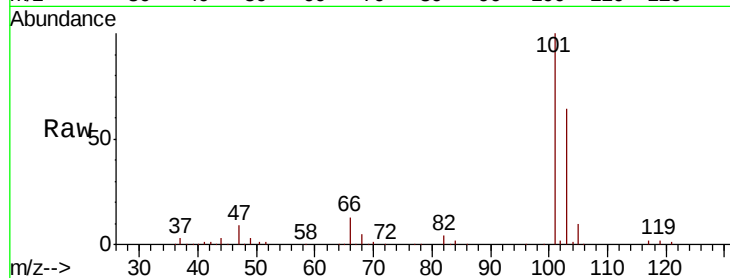
Trichlorofluoromethane
 Concen: 46.735 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.4	74.2

Manual Integrations
 APPROVED

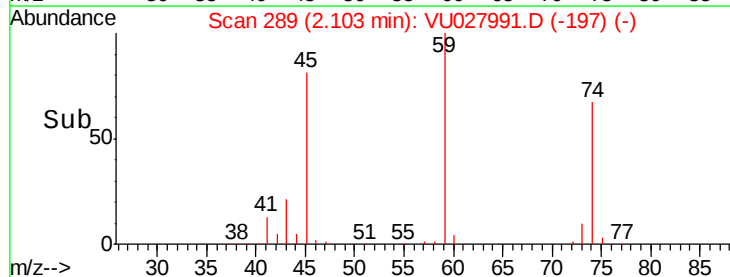
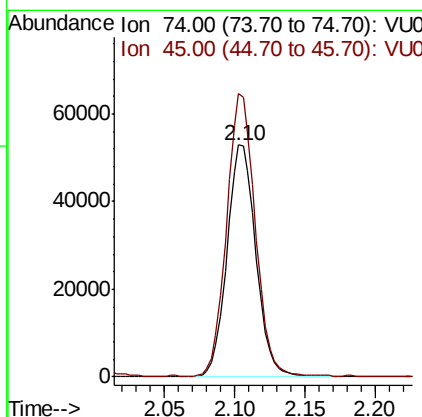
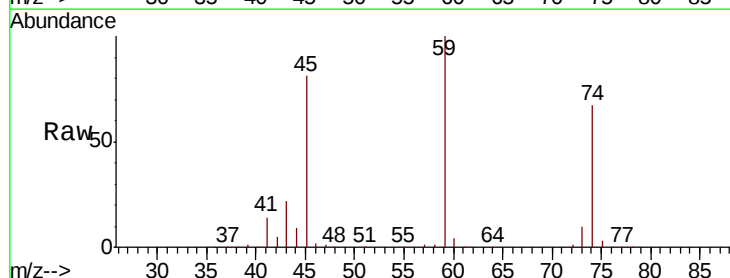
MMDadoda
 11/8/2018 9:10:57 AM

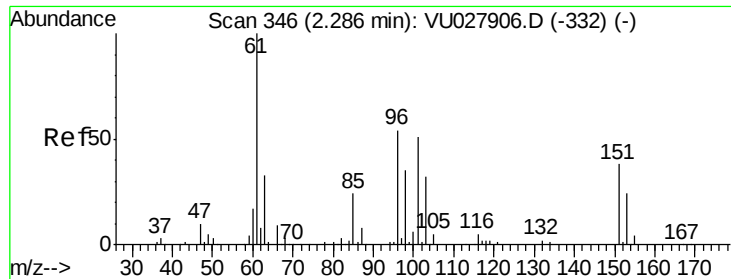


#8

Diethyl Ether
 Concen: 48.507 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.2	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.779 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

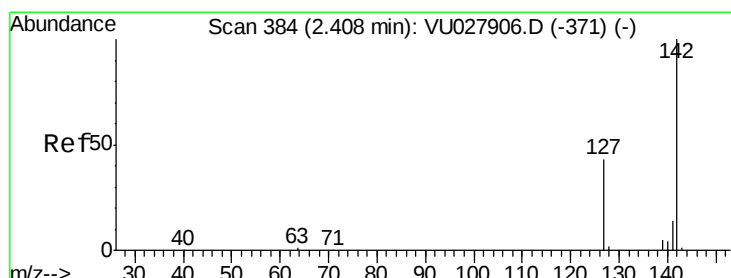
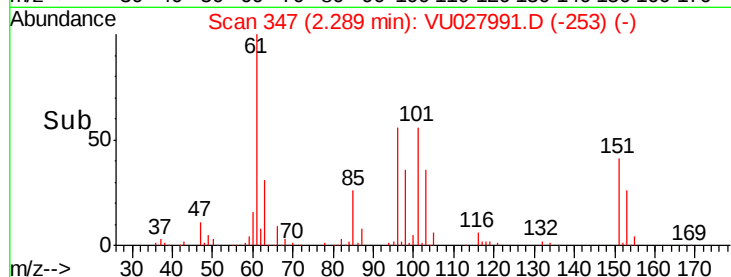
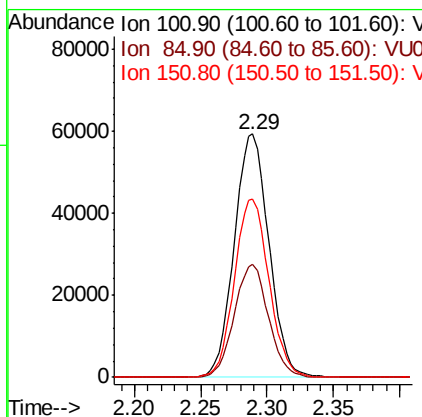
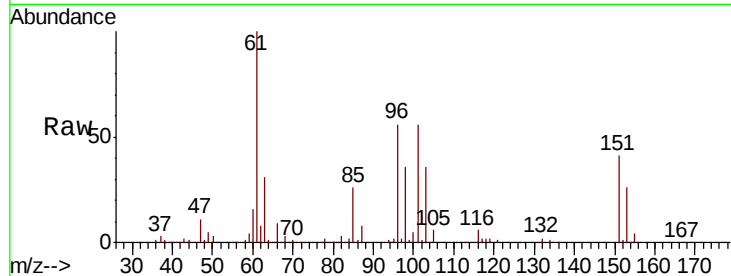
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	107814
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.9	55.3
151	72.9	58.0	87.0

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#10

Methyl Iodide

Concen: 37.922 ug/l

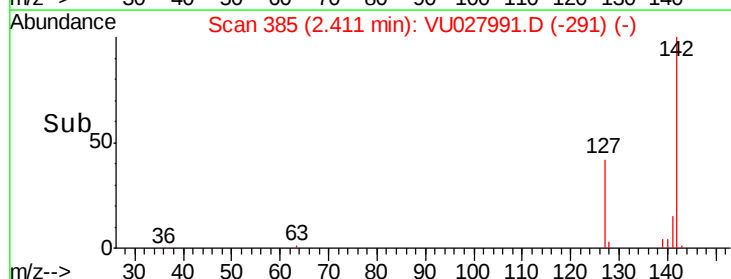
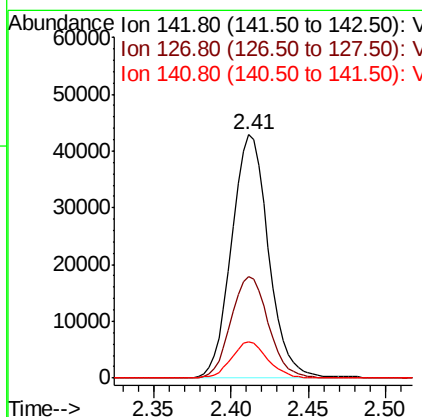
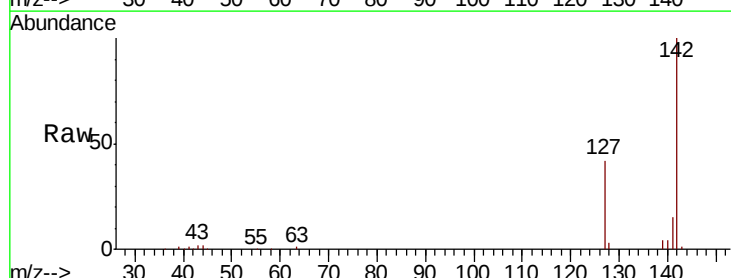
RT: 2.41 min Scan# 385

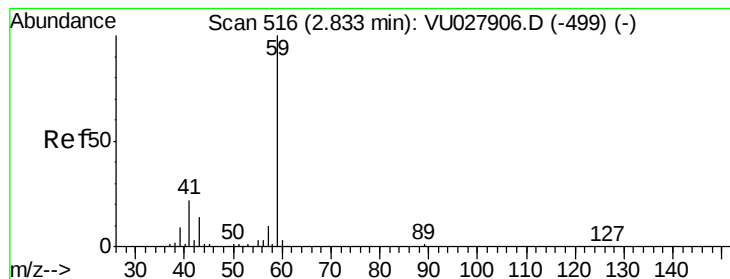
Delta R.T. 0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	142	Resp:	71018
Ion Ratio	Lower	Upper	
142	100		
127	42.4	35.2	52.8
141	14.7	11.8	17.8





#11

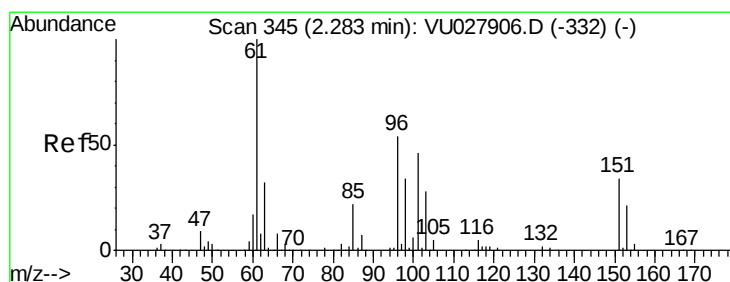
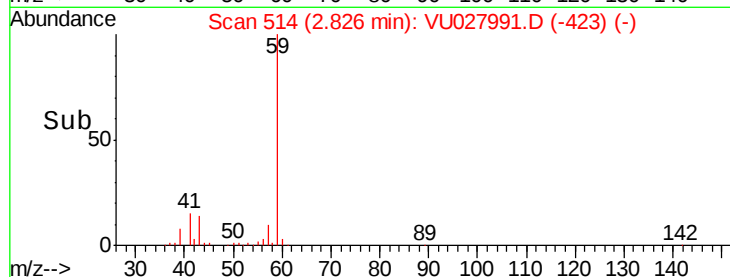
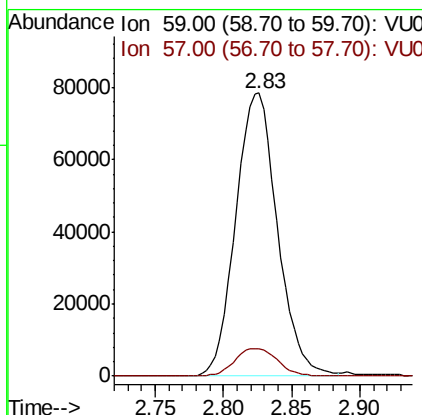
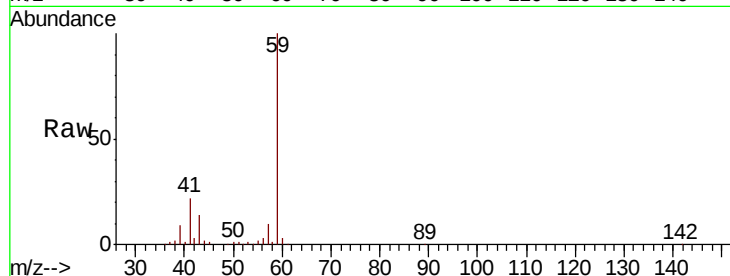
Tert butyl alcohol
Concen: 204.843 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

Manual Integrations
APPROVED

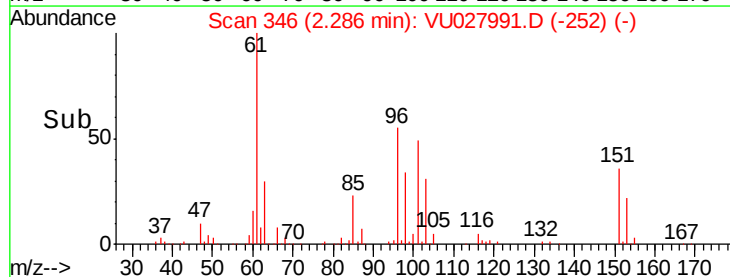
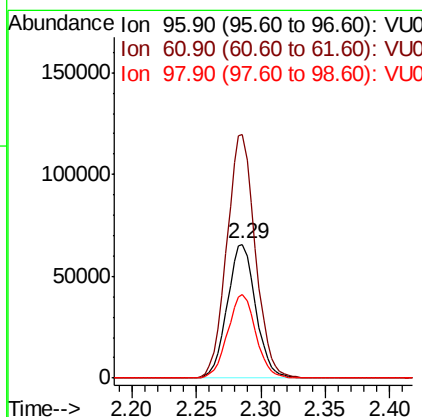
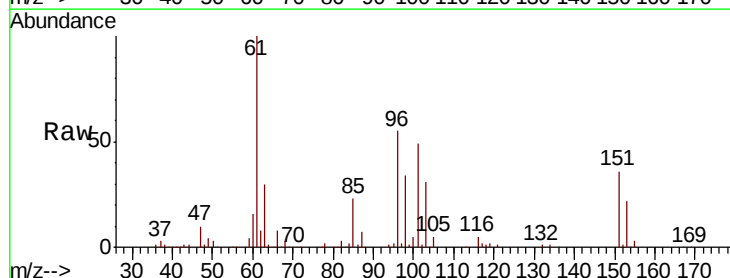
MMDadoda
11/8/2018 9:10:57 AM



#12

1,1-Dichloroethene
Concen: 46.374 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.1	149.3	223.9
98	62.4	50.6	75.8





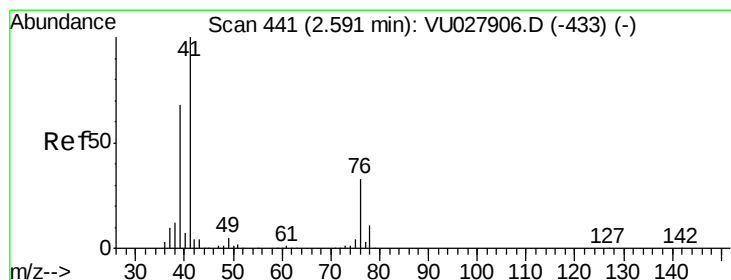
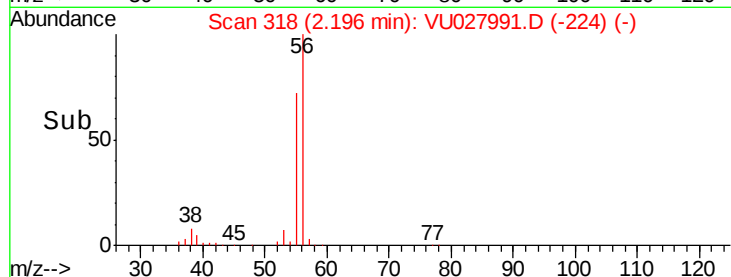
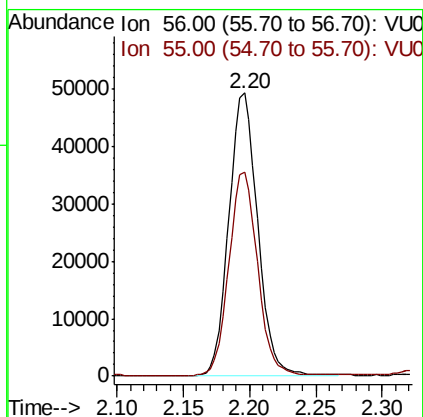
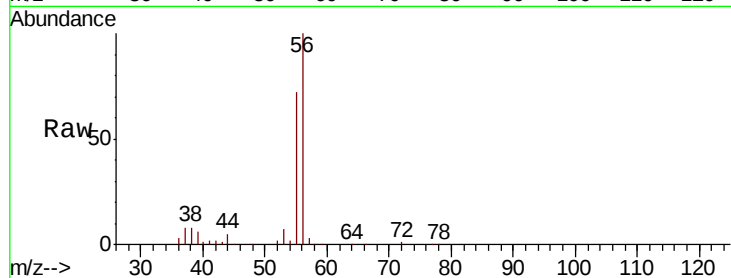
#13
Acrolein
Concen: 250.624 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	56.2	84.4

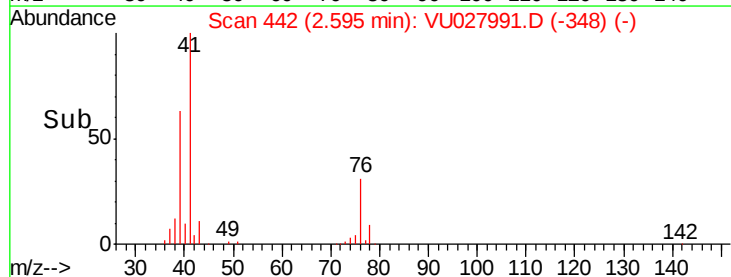
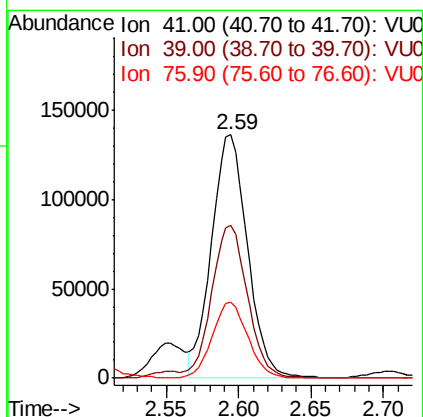
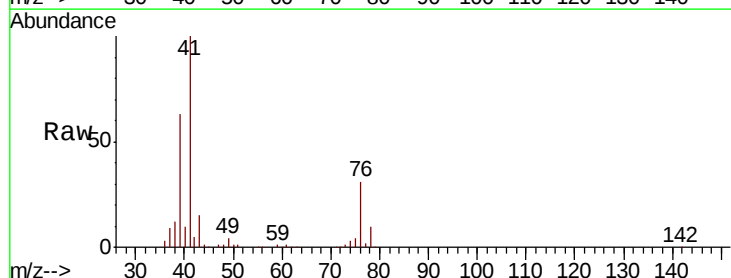
Manual Integrations
APPROVED

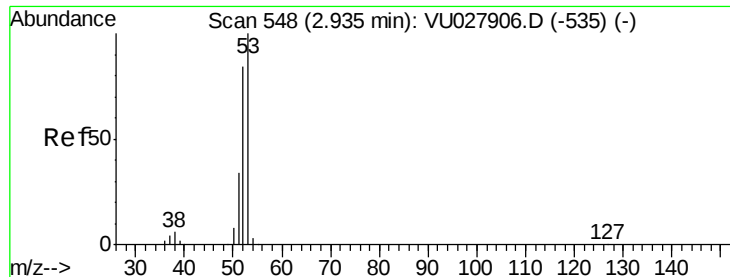
MMDadoda
11/8/2018 9:10:57 AM



#14
Allyl chloride
Concen: 44.025 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.7	51.9	77.9
76	30.9	23.8	35.6





#15

Acrylonitrile

Concen: 233.524 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

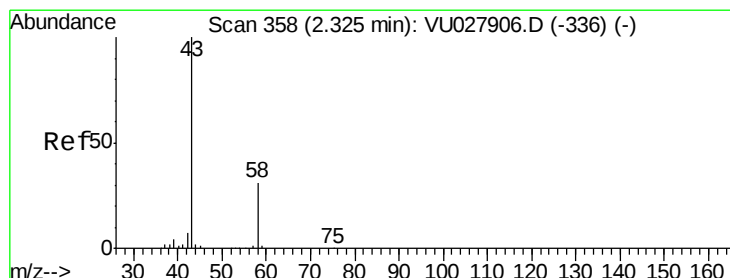
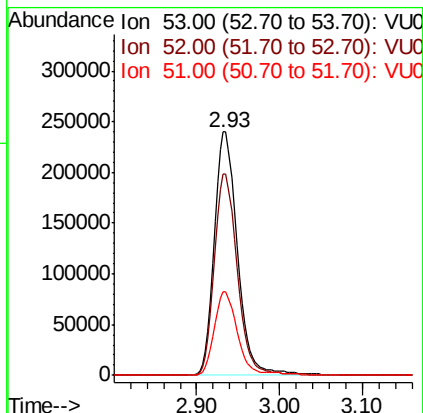
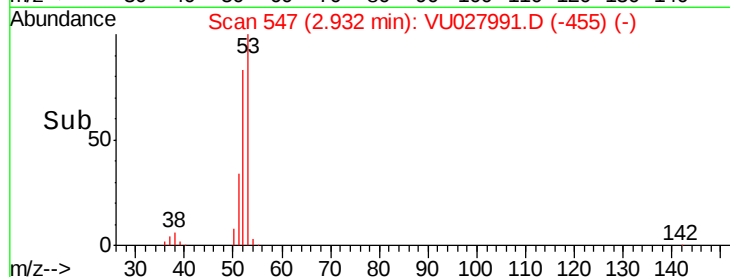
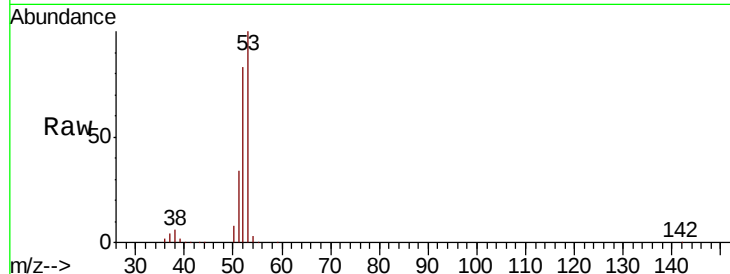
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	467038
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.2
51	33.7	27.0	40.4

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#16

Acetone

Concen: 231.747 ug/l

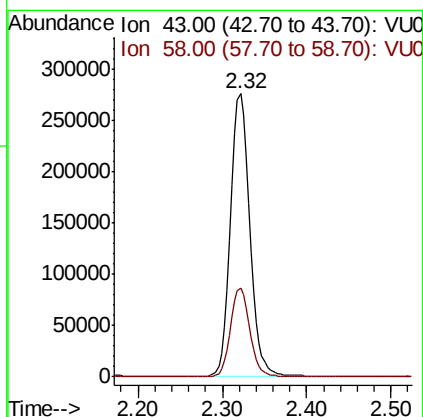
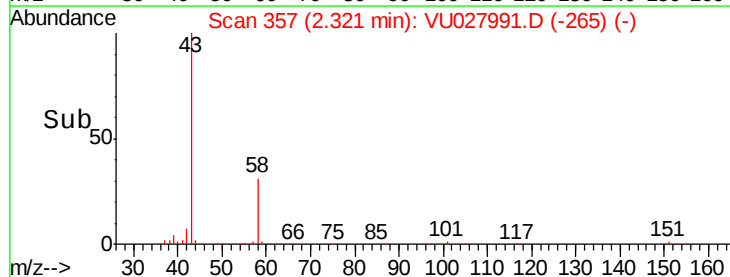
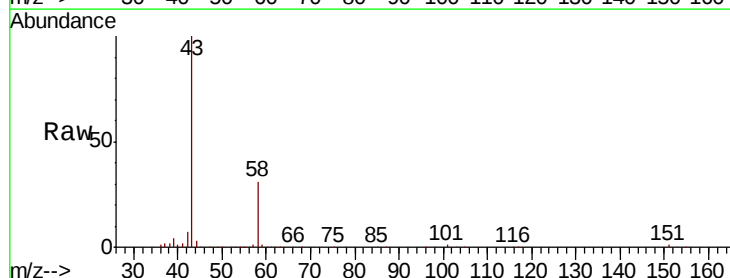
RT: 2.32 min Scan# 357

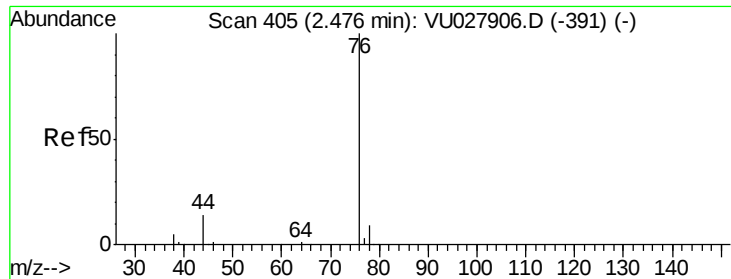
Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	43	Resp:	442203
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.6	37.0





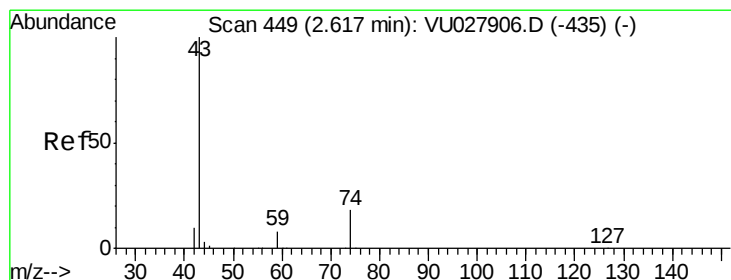
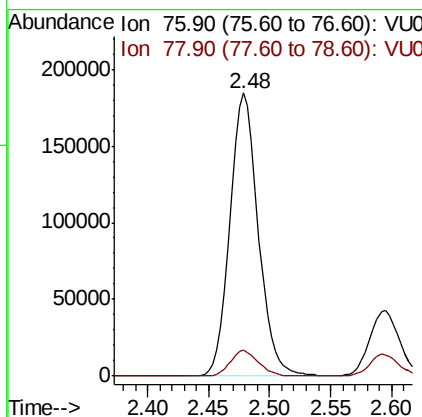
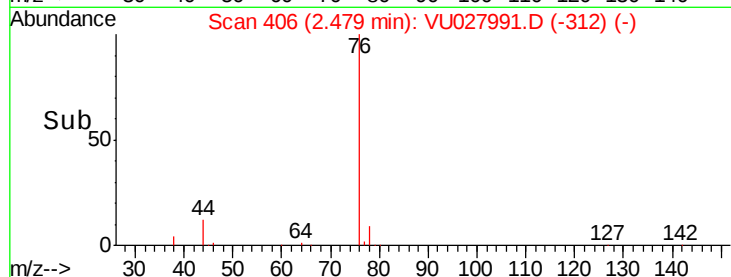
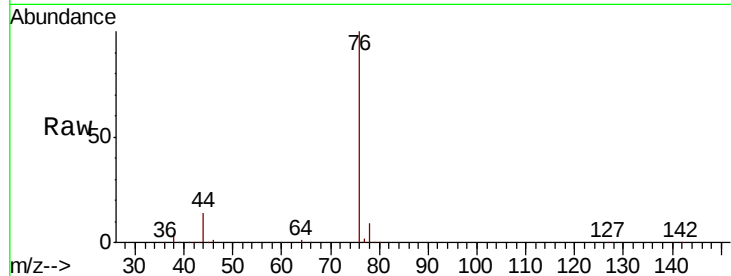
#17
Carbon Disulfide
Concen: 42.370 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

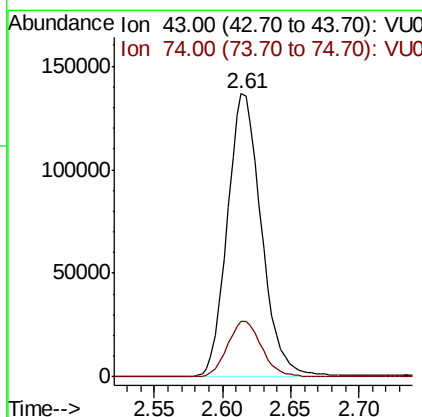
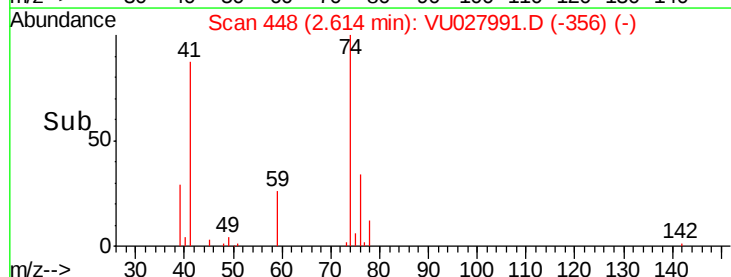
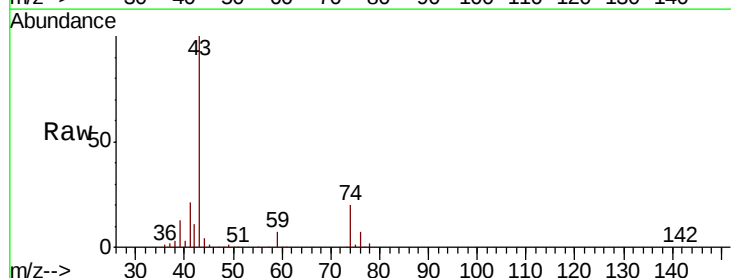
Manual Integrations
APPROVED

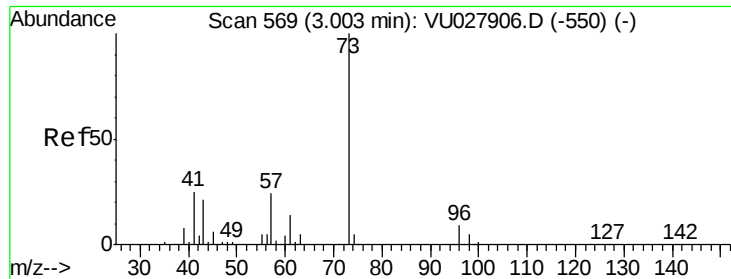
MMDadoda
11/8/2018 9:10:57 AM



#18
Methyl Acetate
Concen: 45.032 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.9	14.9	22.3





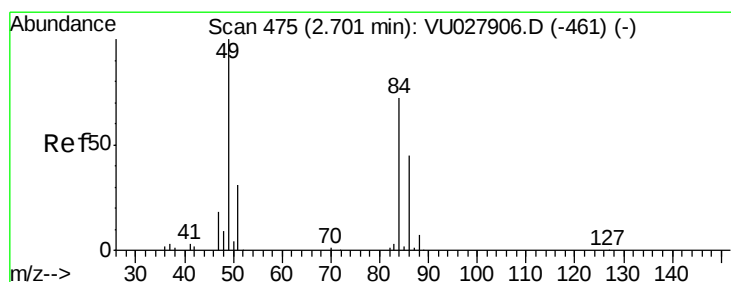
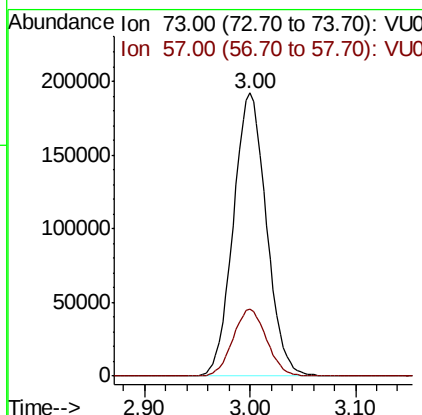
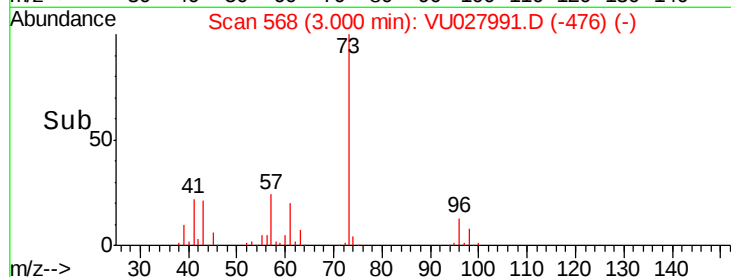
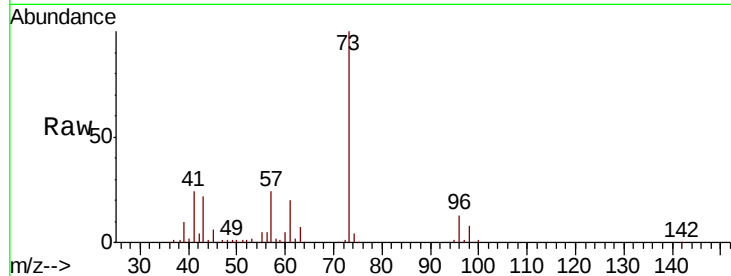
#19
Methvl tert-butvl Ether
Concen: 47.802 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 417924
Ion Ratio Lower Upper
73 100
57 23.6 19.3 28.9

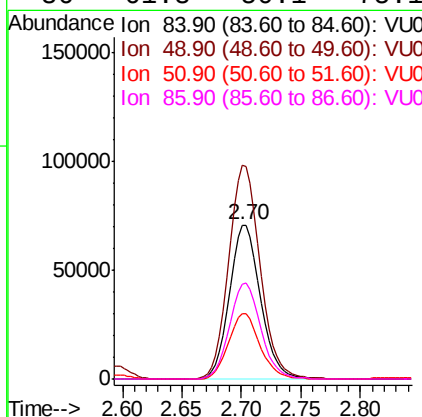
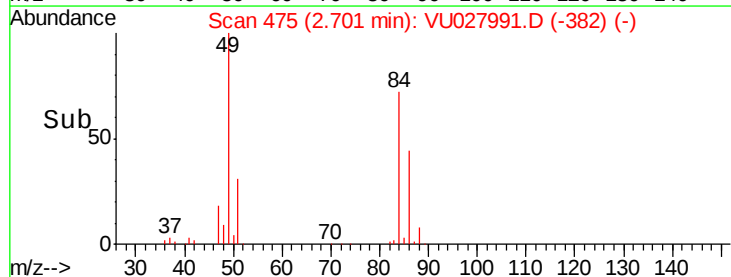
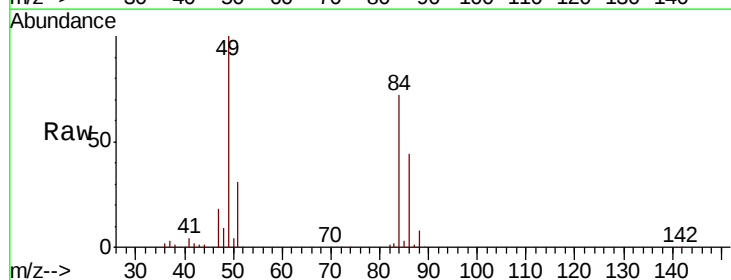
Manual Integrations
APPROVED

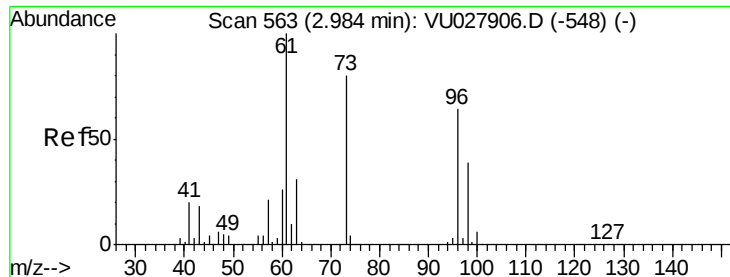
MMDadoda
11/8/2018 9:10:57 AM



#20
Methylene Chloride
Concen: 45.973 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion: 84 Resp: 128081
Ion Ratio Lower Upper
84 100
49 139.0 111.6 167.4
51 42.9 34.8 52.2
86 61.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 44.202 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 110592

Ion Ratio Lower Upper

96 100

61 156.0 125.0 187.6

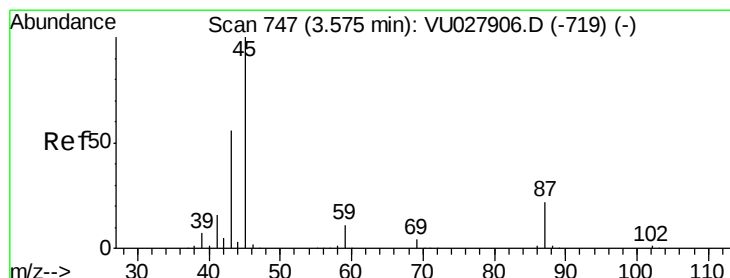
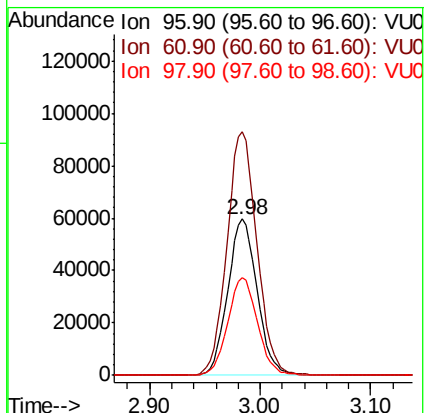
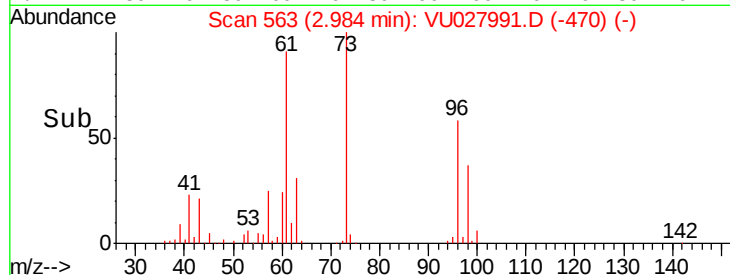
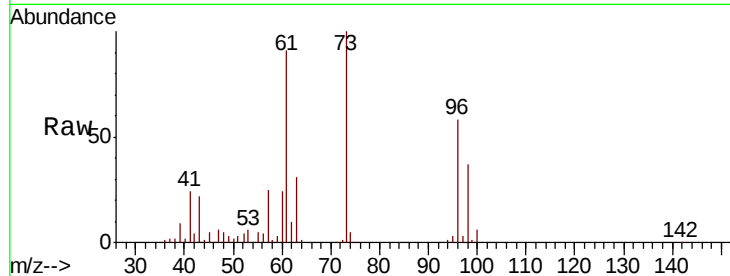
98 62.9 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:10:57 AM



#22

Diisopropyl ether

Concen: 47.127 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion: 45 Resp: 515533

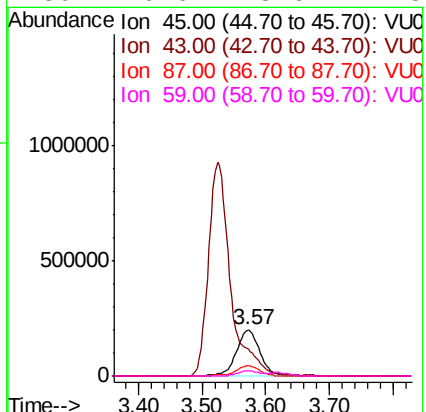
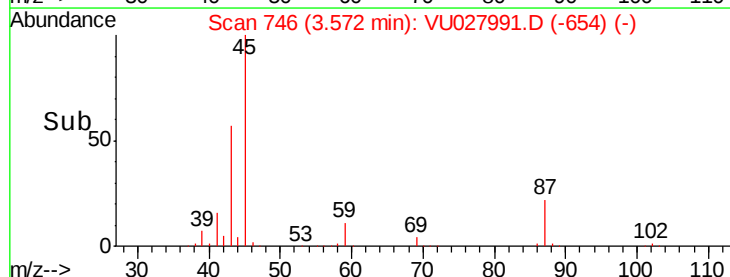
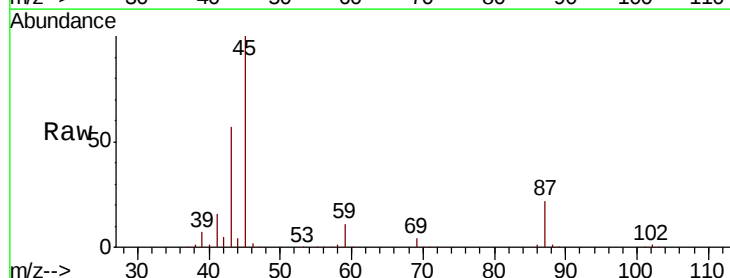
Ion Ratio Lower Upper

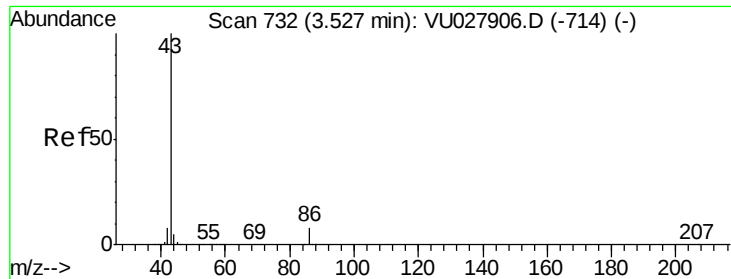
45 100

43 56.8 45.0 67.6

87 22.1 17.9 26.9

59 10.6 8.6 12.8





#23

Vinyl Acetate

Concen: 237.039 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2228513

Ion Ratio Lower Upper

43 100

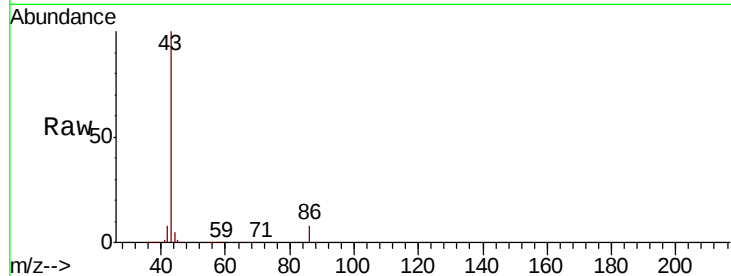
86 8.2 6.6 9.8

Manual Integrations

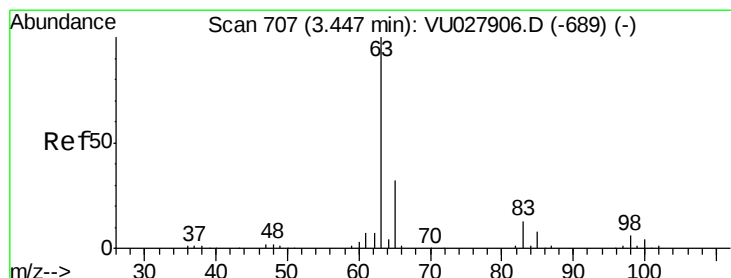
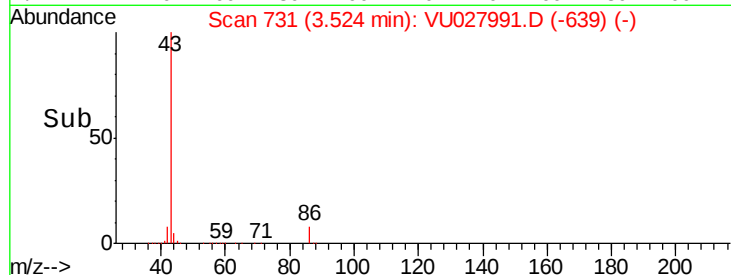
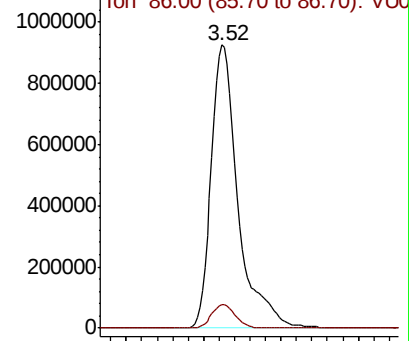
APPROVED

MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027991.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 45.700 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

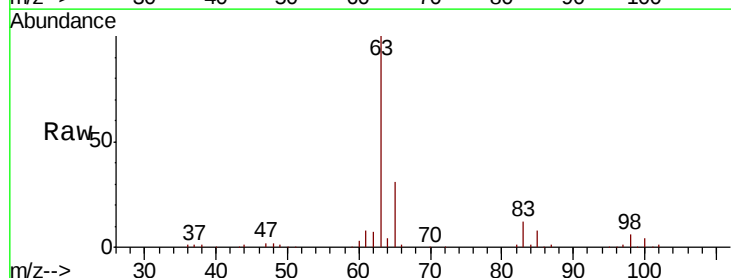
Tgt Ion: 63 Resp: 249011

Ion Ratio Lower Upper

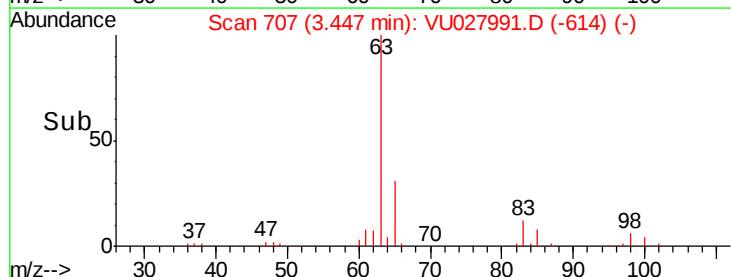
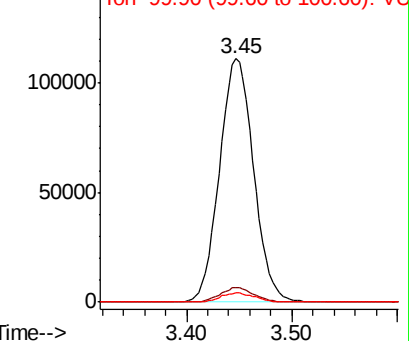
63 100

98 6.1 2.9 8.6

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027991.D (-614) (-)





#25

2-Butanone

Concen: 231.078 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 701475

Ion Ratio Lower Upper

43 100

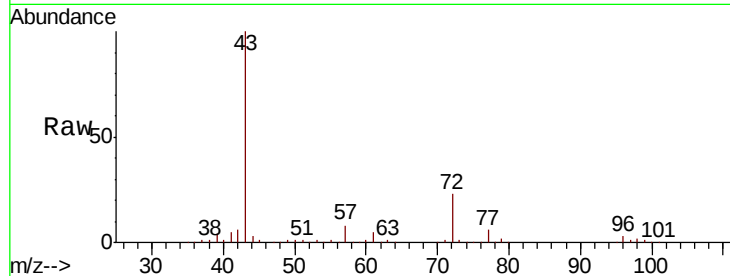
72 22.9 17.7 26.5

Manual Integrations

APPROVED

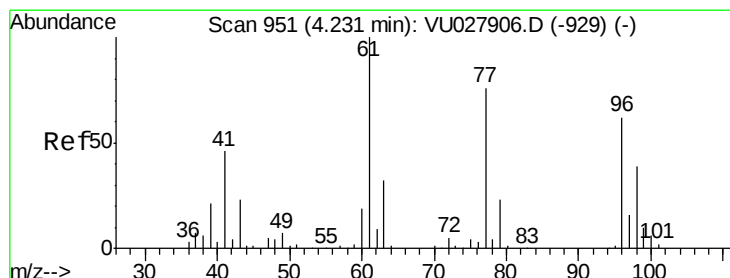
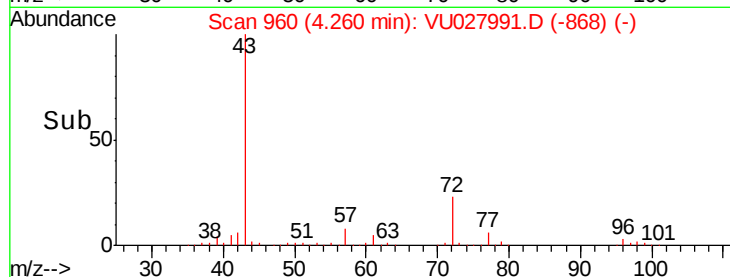
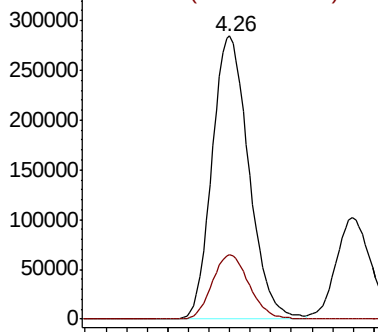
MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 49.241 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027991.D

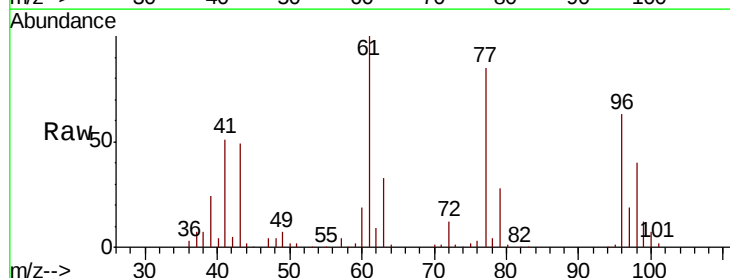
Acq: 07 Nov 2018 08:59

Tgt Ion: 77 Resp: 201349

Ion Ratio Lower Upper

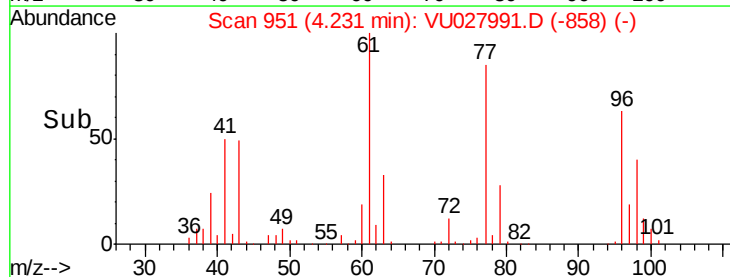
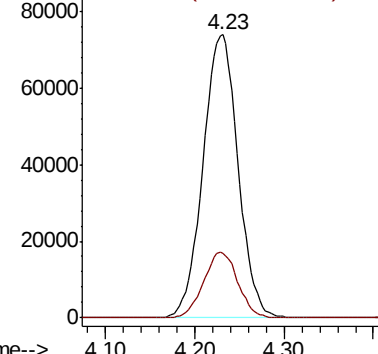
77 100

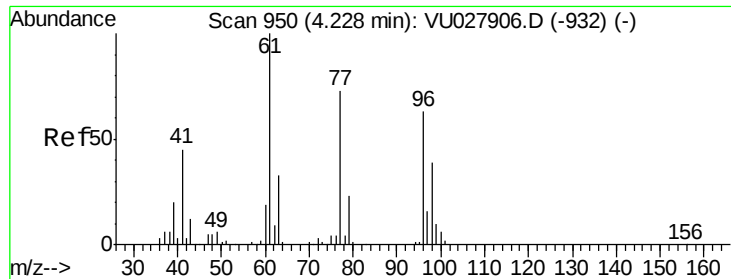
97 22.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

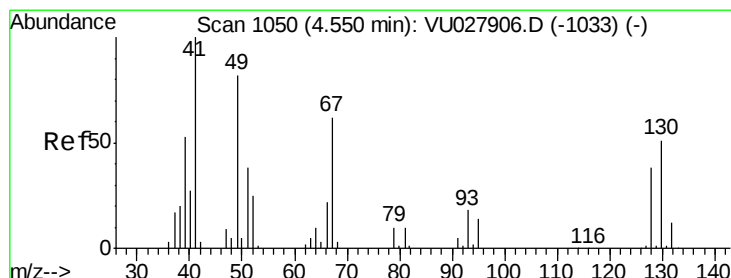
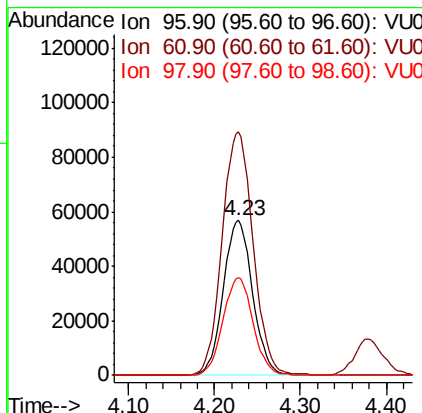
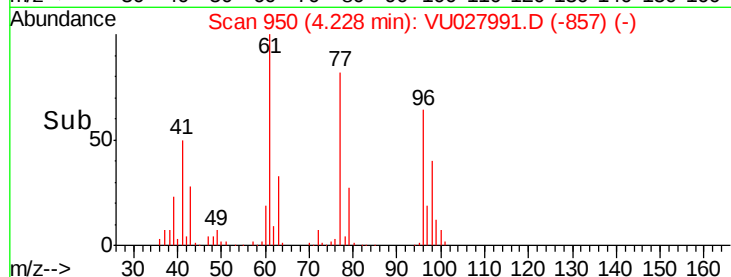
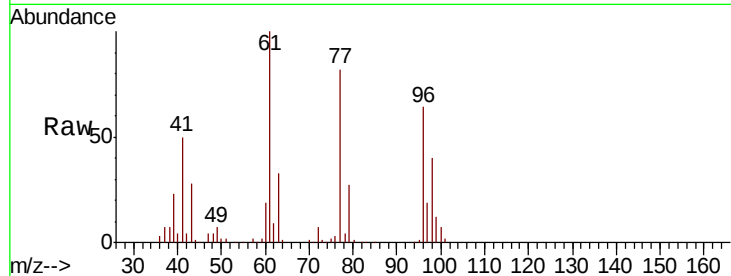
cis-1,2-Dichloroethene
Concen: 47.967 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.2	0.0	329.6	
98	64.5	0.0	127.2	

Manual Integrations
APPROVED

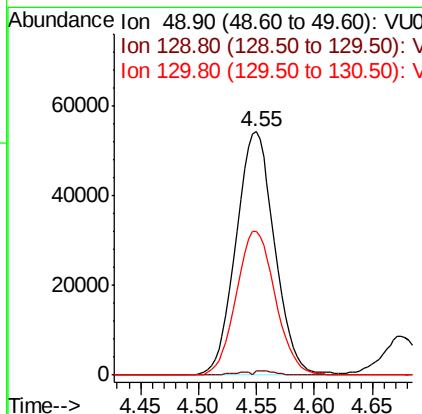
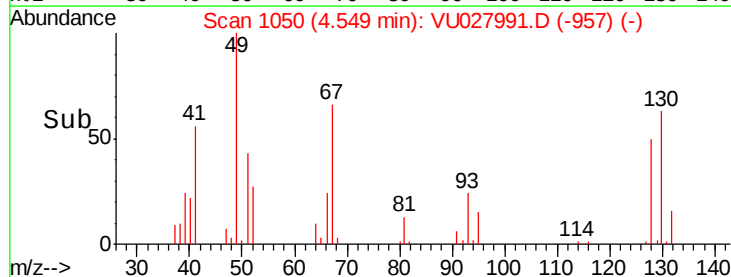
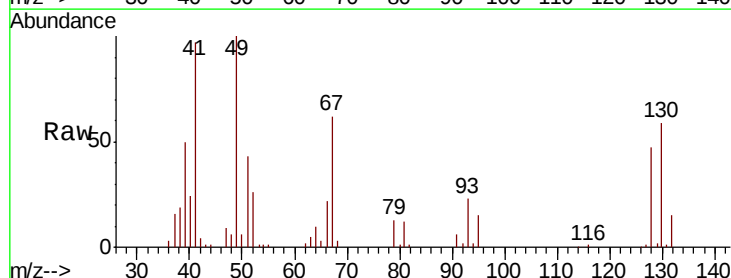
MMDadoda
11/8/2018 9:10:57 AM

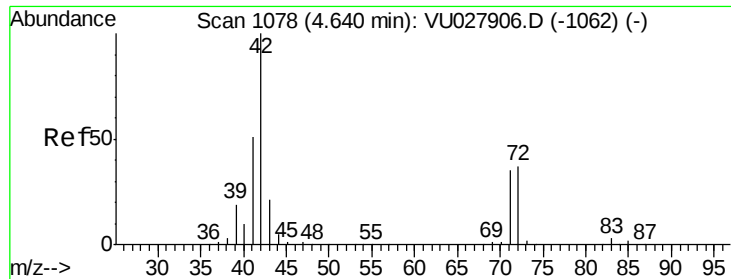


#28

Bromochloromethane
Concen: 49.103 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	3.0	
130	60.0	47.8	71.6	





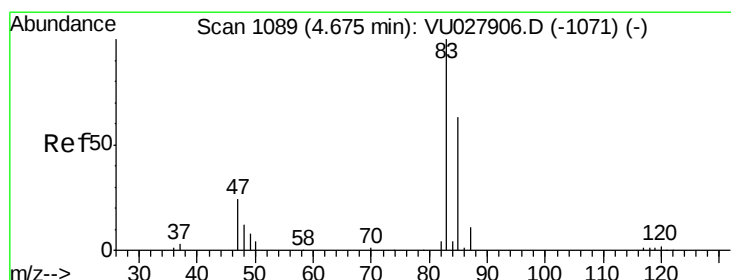
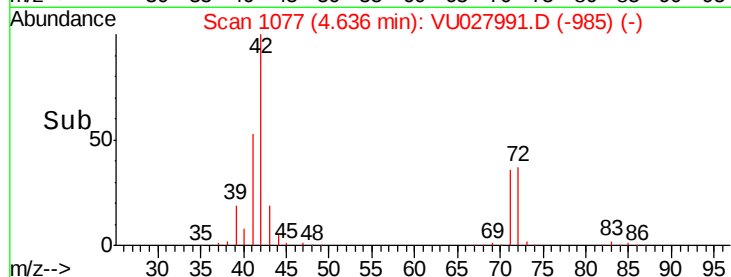
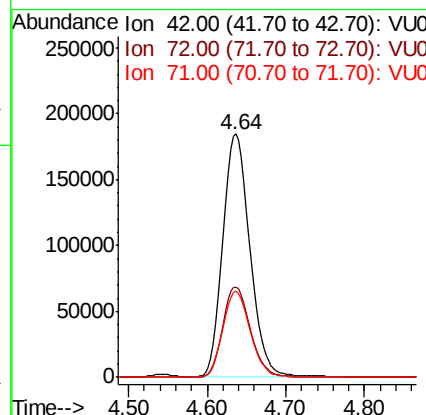
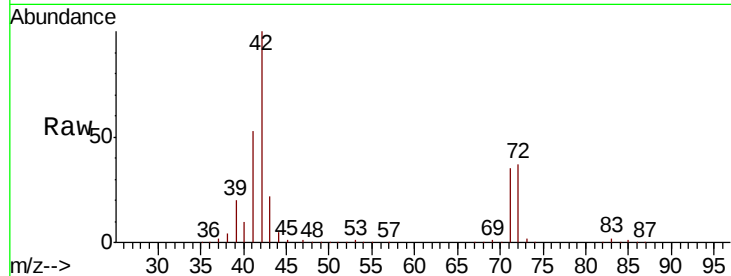
#29
Tetrahydrofuran
Concen: 216.337 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	29.4	44.0
71	36.0	27.9	41.9

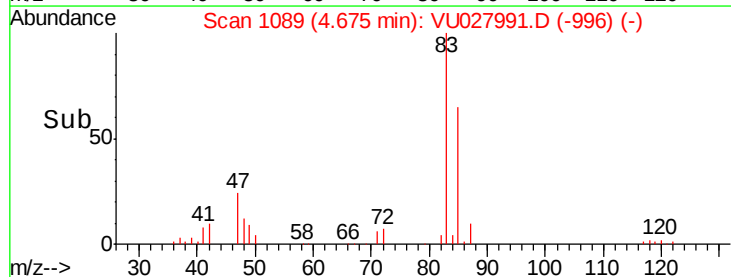
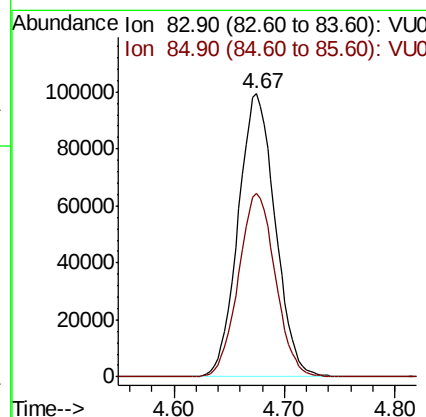
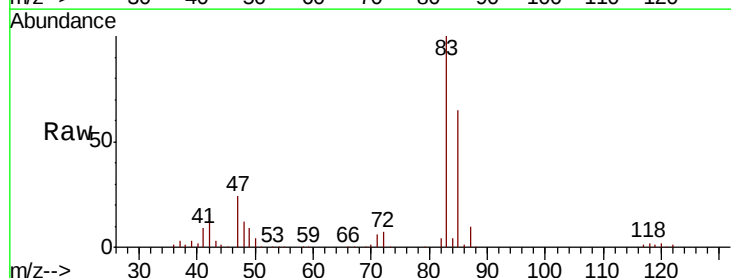
Manual Integrations
APPROVED

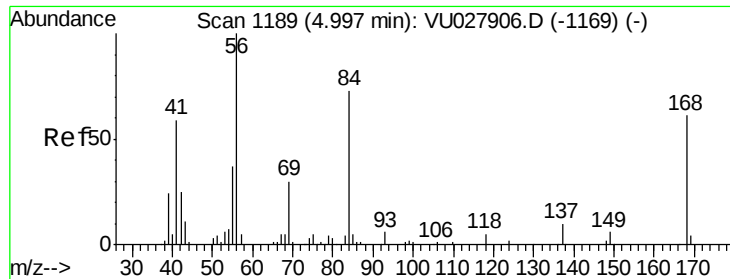
MMDadoda
11/8/2018 9:10:57 AM



#30
Chloroform
Concen: 46.347 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	76.0





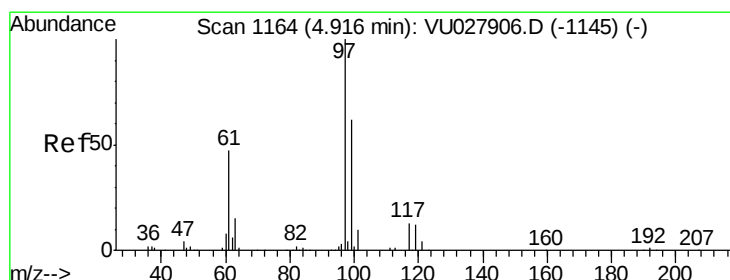
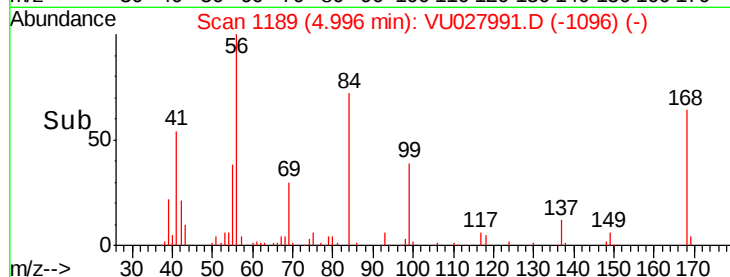
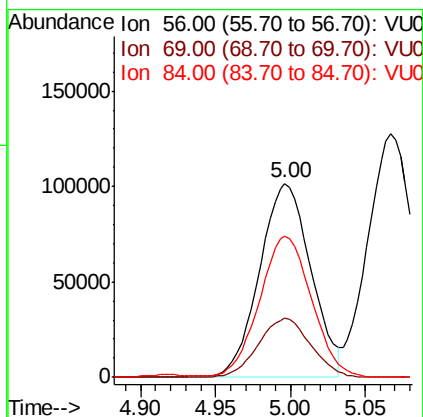
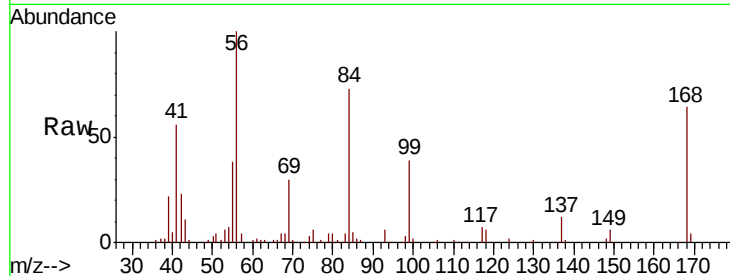
#31
Cyclohexane
Concen: 45.165 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.7	35.5
84	72.3	58.2	87.4

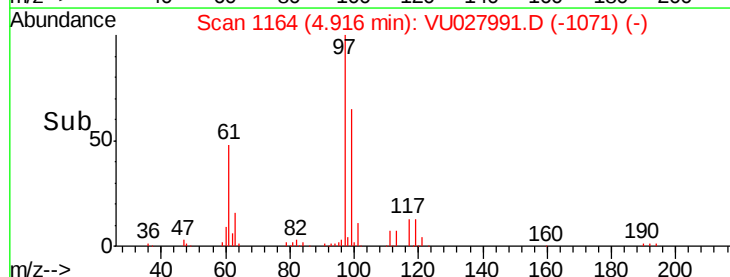
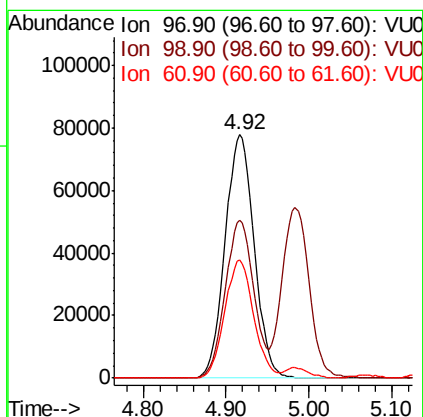
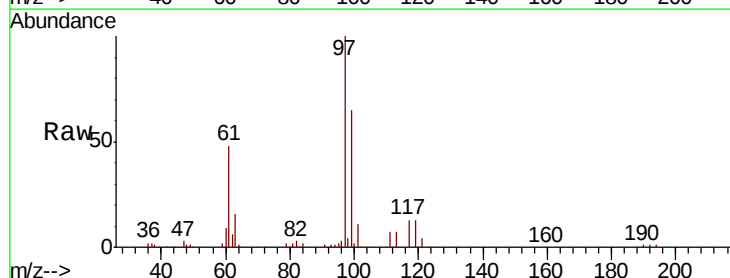
Manual Integrations
APPROVED

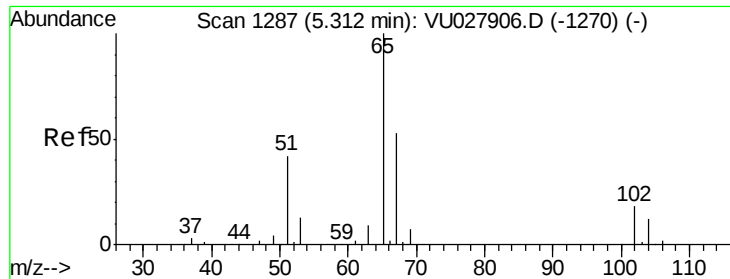
MMDadoda
11/8/2018 9:10:57 AM



#32
1,1,1-Trichloroethane
Concen: 47.736 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	48.4	38.3	57.5





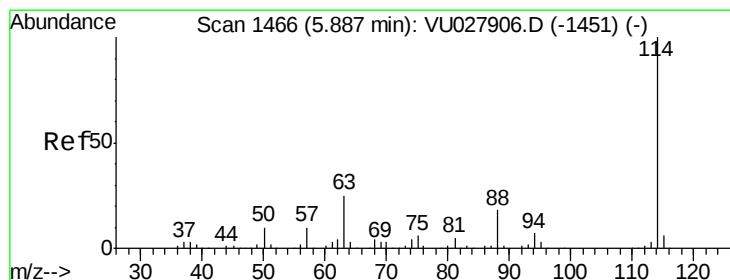
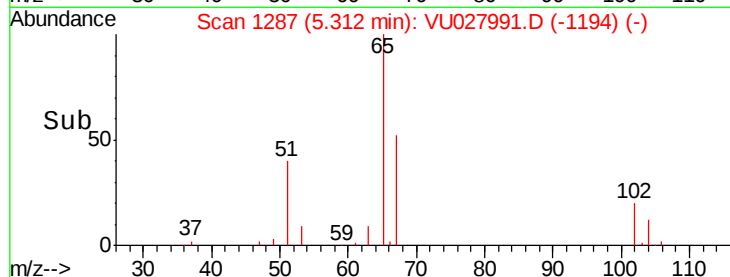
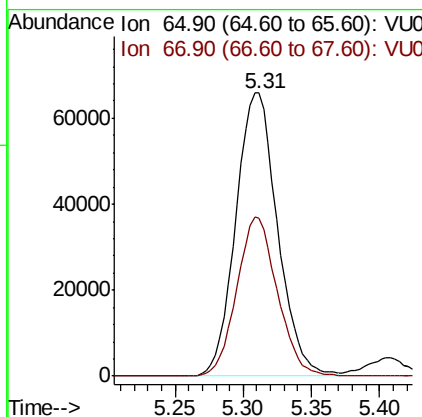
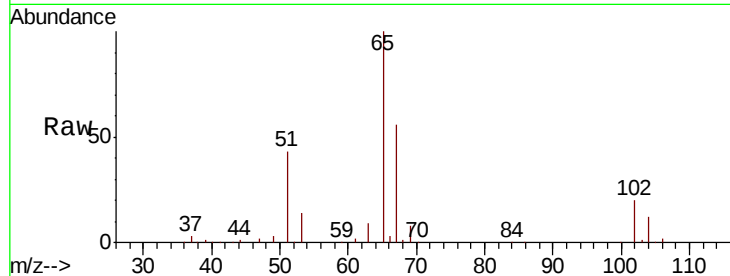
#33
 1,2-Dichloroethane-d4
 Concen: 45.566 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140136		
67	54.7	0.0	109.0	

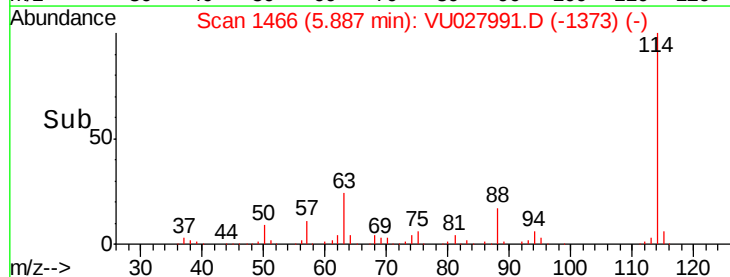
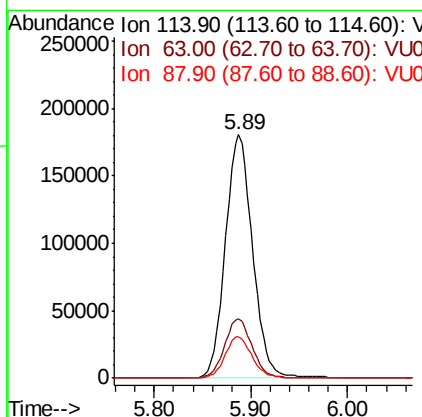
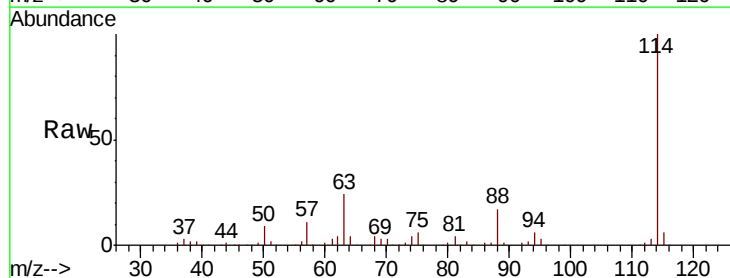
Manual Integrations
 APPROVED

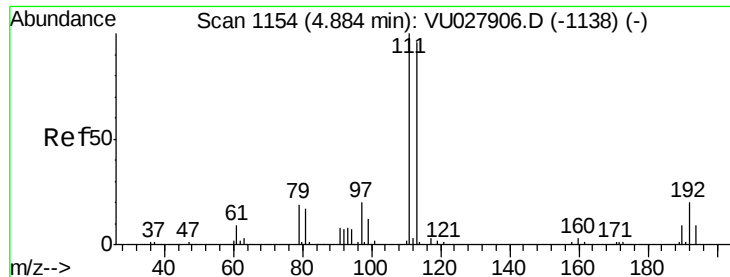
MMDadoda
 11/8/2018 9:10:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353129		
63	24.4	0.0	50.8	
88	17.0	0.0	35.8	





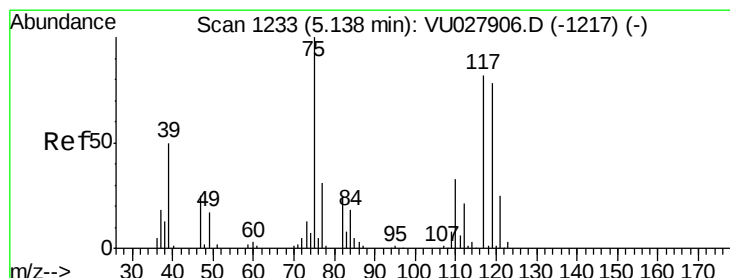
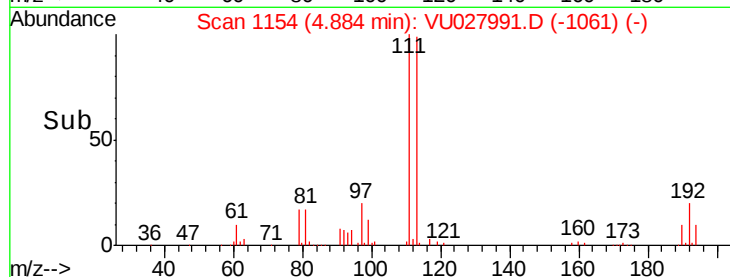
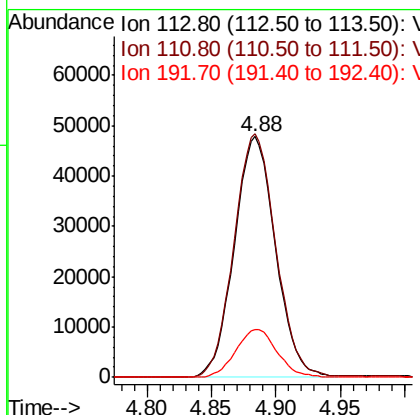
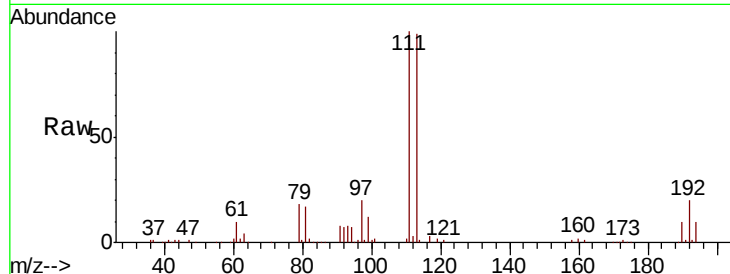
#35
 Dibromofluoromethane
 Concen: 47.735 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	83.0	124.6	
192	19.9	15.6	23.4	

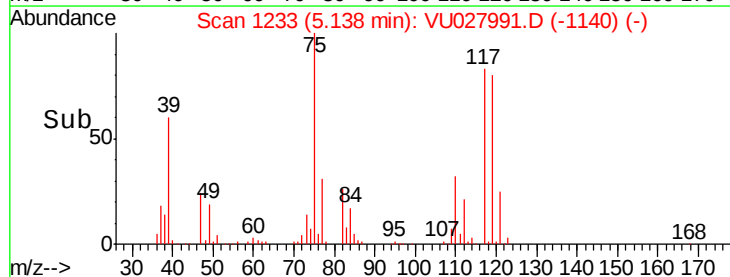
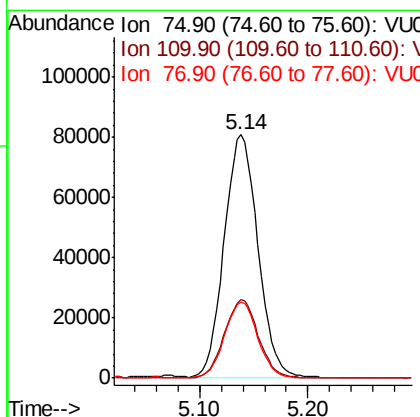
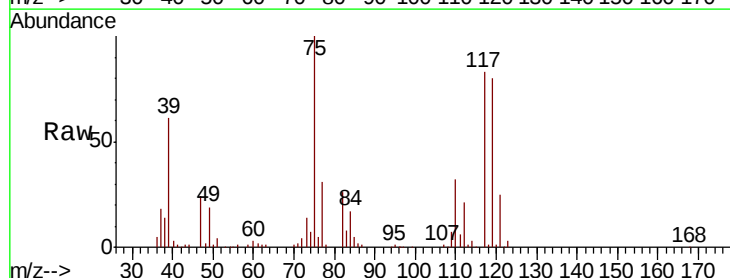
Manual Integrations
 APPROVED

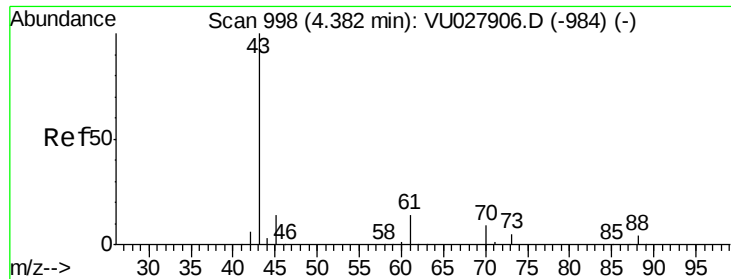
MMDadoda
 11/8/2018 9:10:57 AM



#36
 1,1-Dichloropropene
 Concen: 47.494 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.8	16.5	49.5	
77	30.9	24.9	37.3	





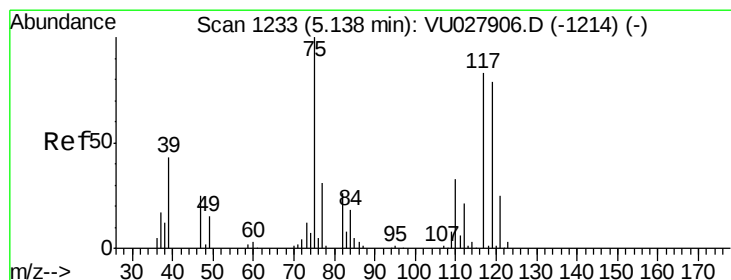
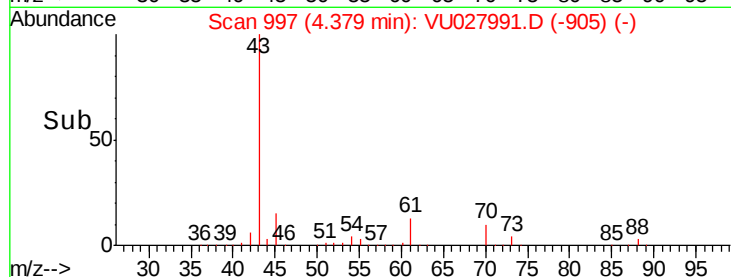
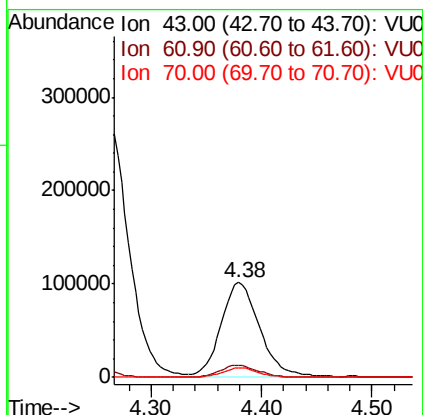
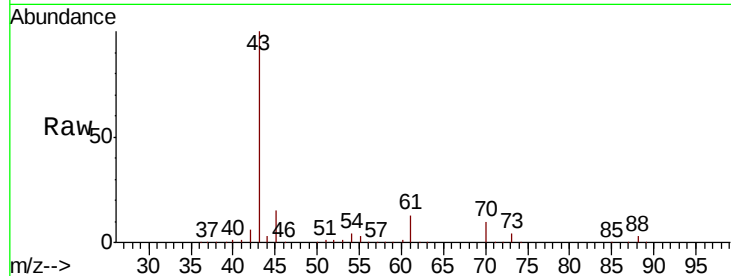
#37
Ethyl Acetate
Concen: 44.962 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	9.6	7.0	10.6

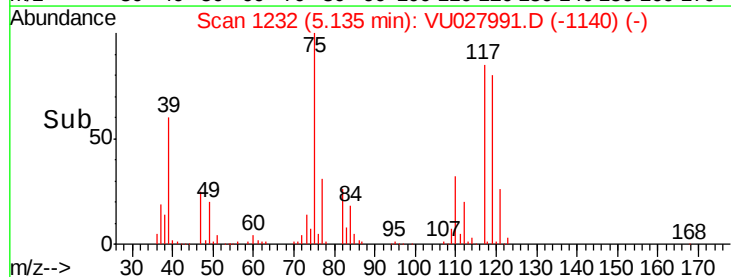
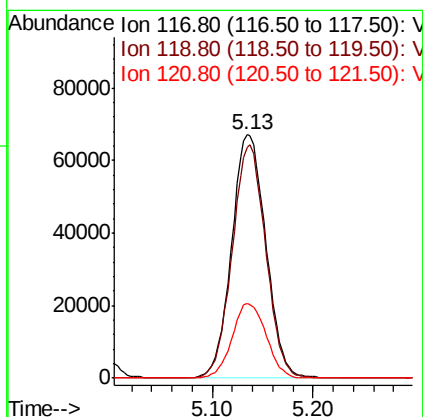
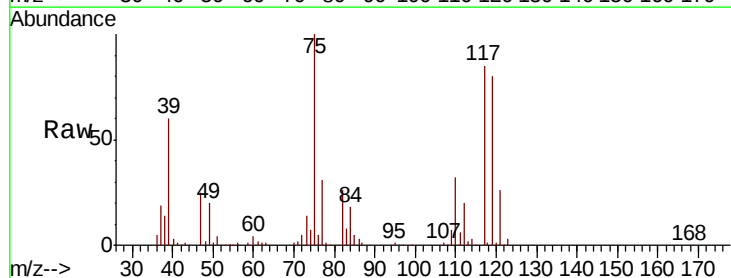
Manual Integrations
APPROVED

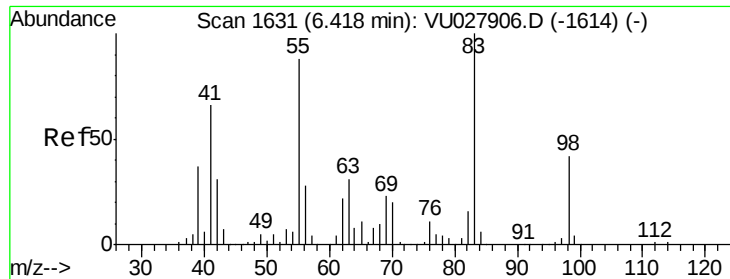
MMDadoda
11/8/2018 9:10:57 AM



#38
Carbon Tetrachloride
Concen: 48.212 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.0	114.0
121	30.7	24.5	36.7





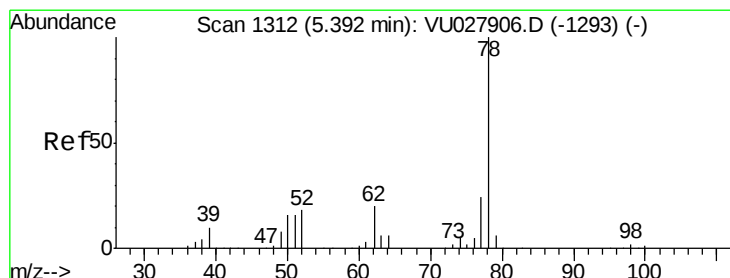
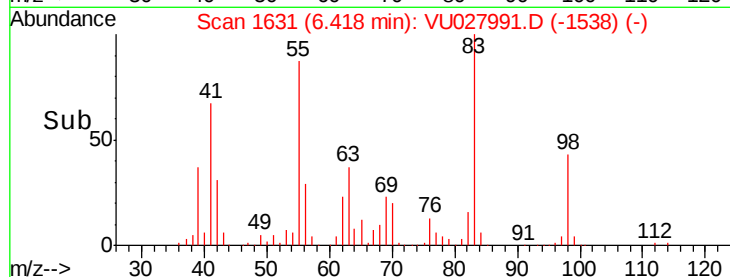
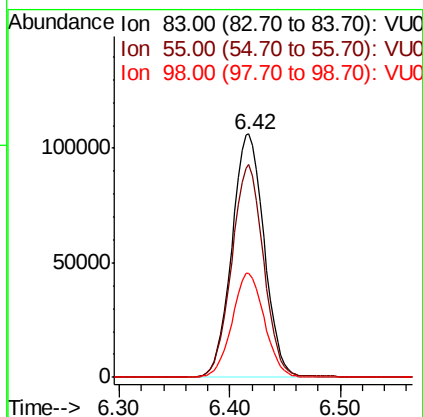
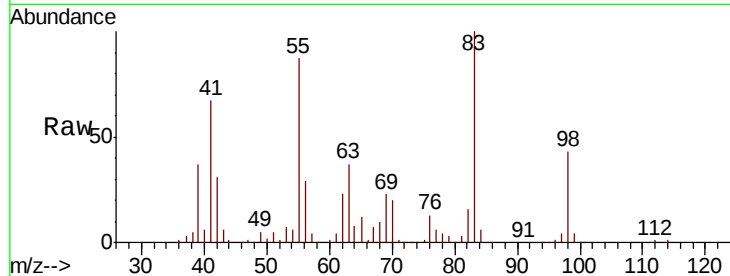
#39
Methylvlcyclohexane
Concen: 48.379 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	215809
Ion	Ratio	Lower	Upper
83	100		
55	87.3	70.3	105.5
98	42.7	34.0	51.0

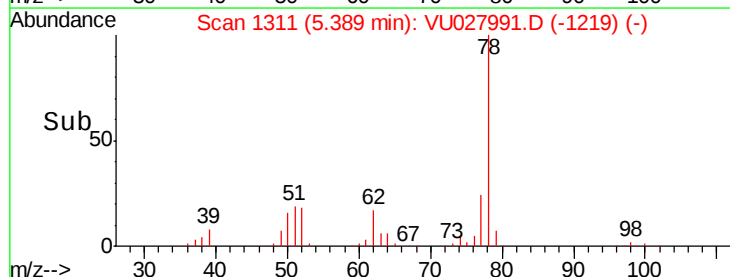
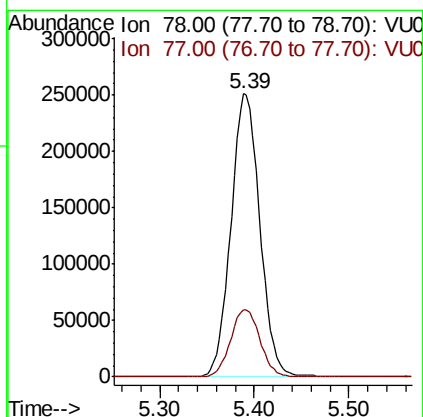
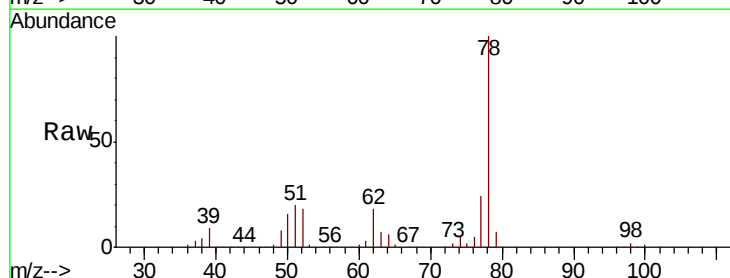
Manual Integrations
APPROVED

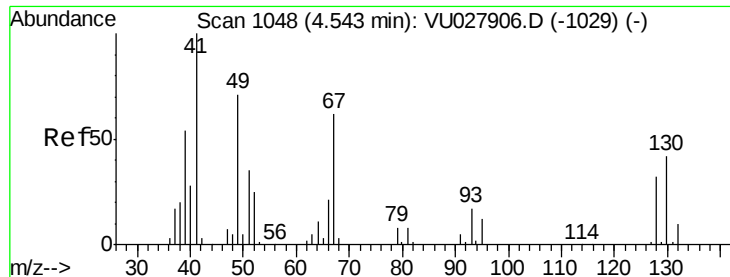
MMDadoda
11/8/2018 9:10:57 AM



#40
Benzene
Concen: 47.174 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	78.00	Resp	533421
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9





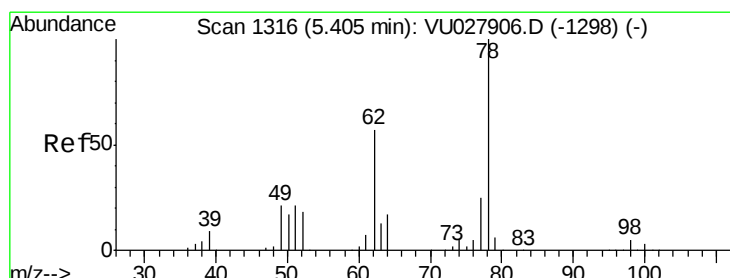
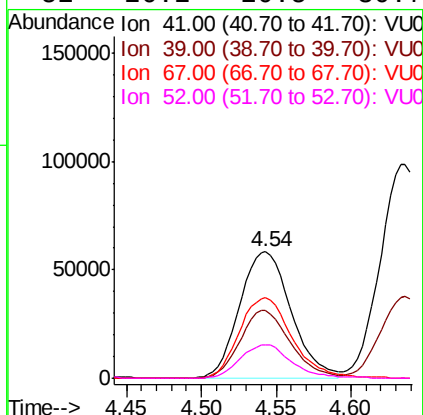
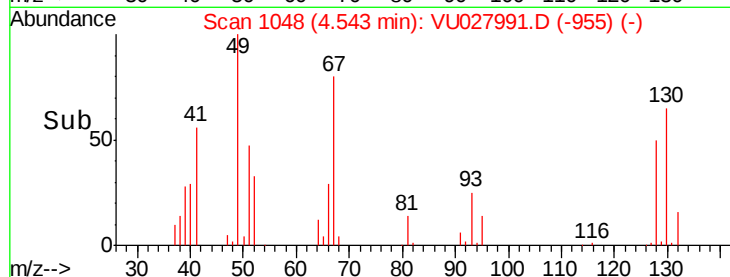
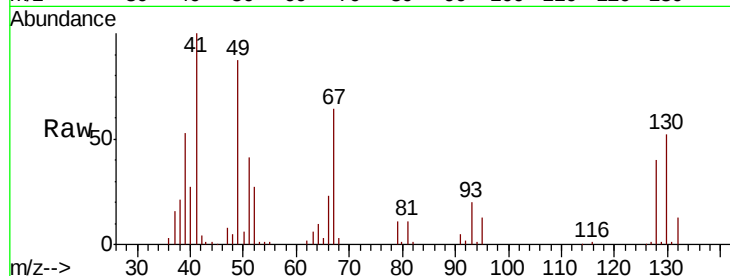
#41
Methacrylonitrile
Concen: 48.283 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.2	63.4	
67	65.3	49.5	74.3	
52	26.2	20.5	30.7	

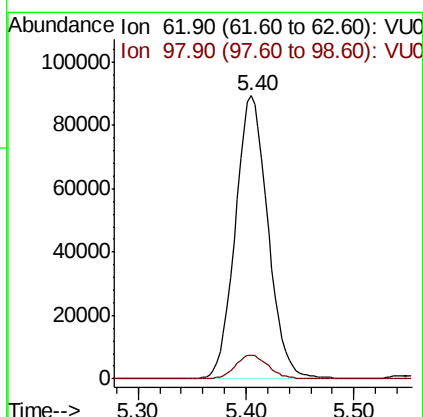
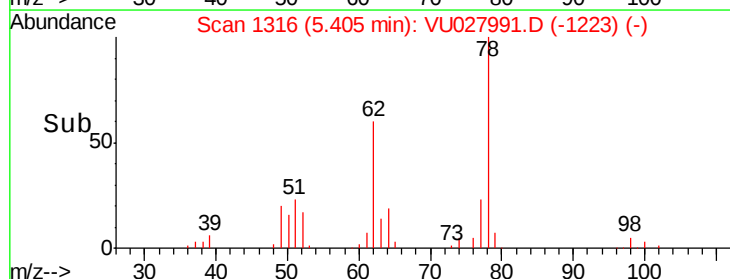
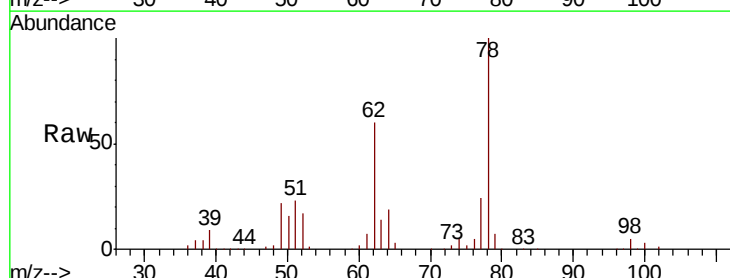
Manual Integrations
APPROVED

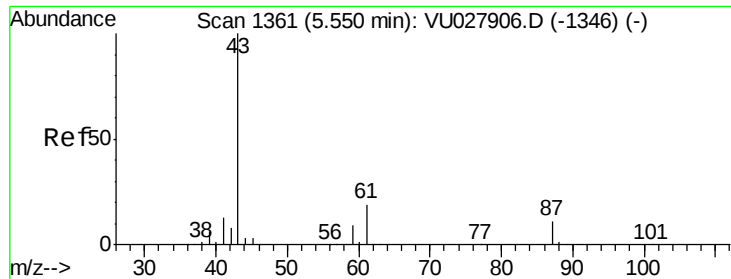
MMDadoda
11/8/2018 9:10:57 AM



#42
1,2-Dichloroethane
Concen: 46.918 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.2	





#43

Isopropyl Acetate

Concen: 47.005 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

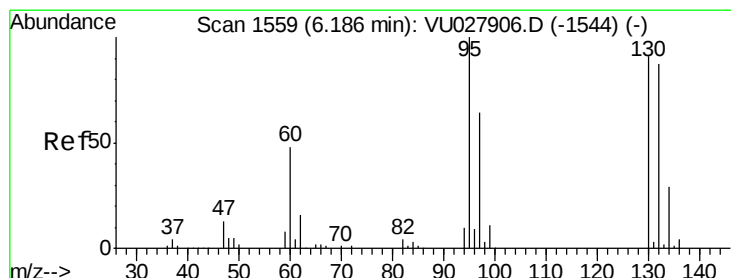
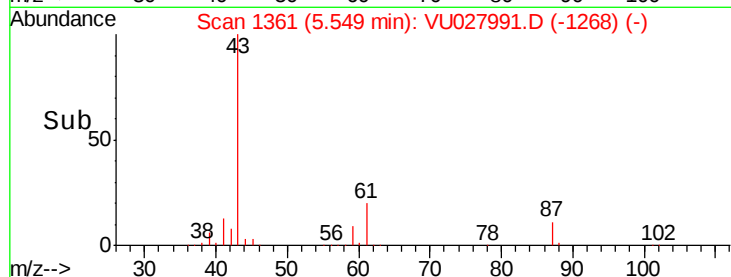
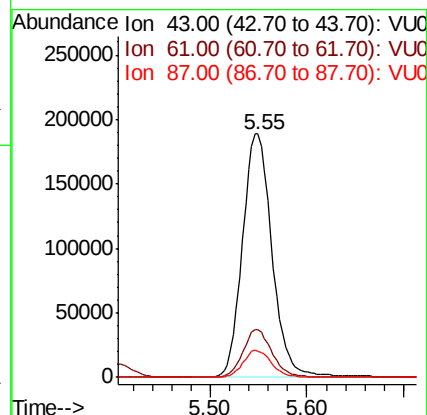
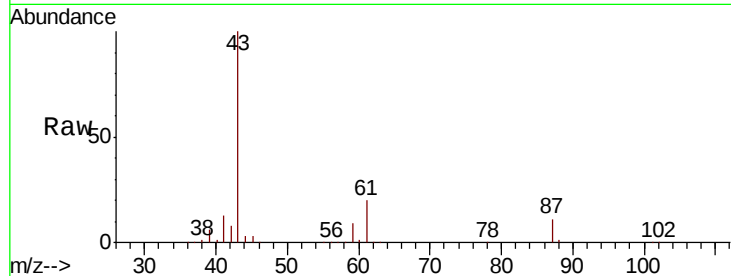
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	399072
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.0	22.4
87	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#44

Trichloroethene

Concen: 48.635 ug/l

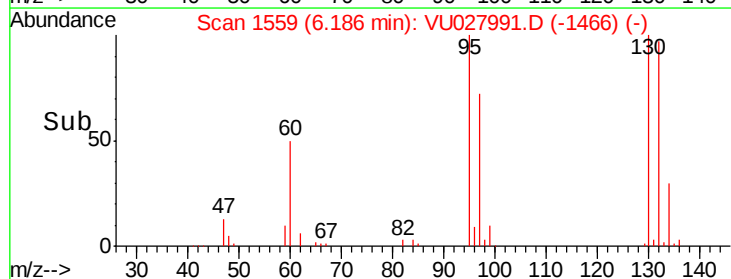
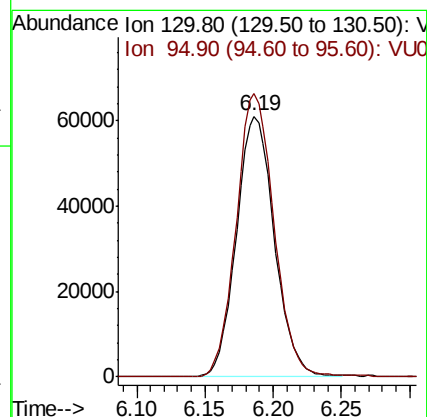
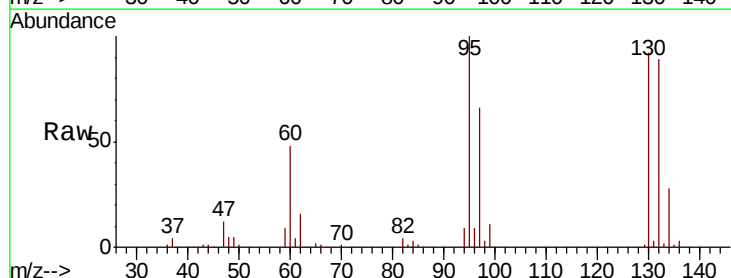
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	130	Resp:	118213
Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	219.2





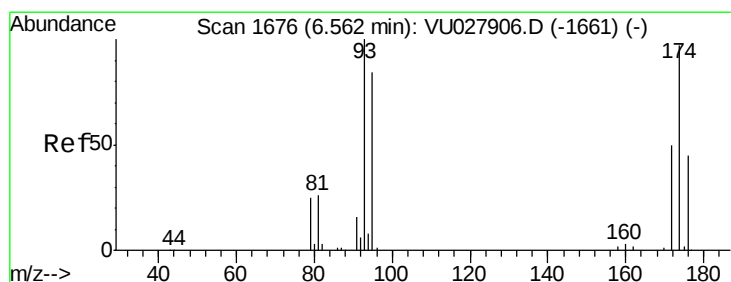
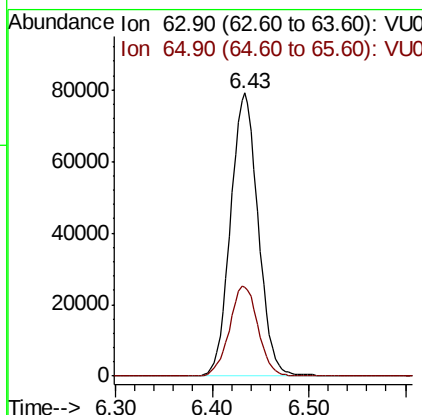
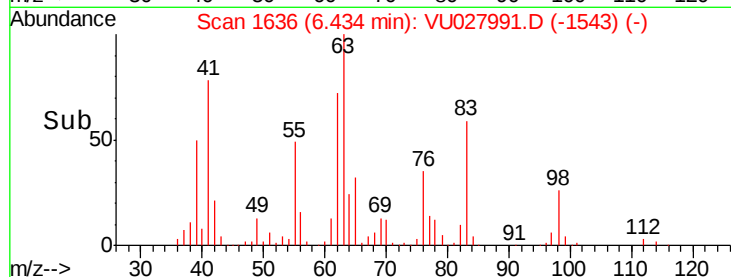
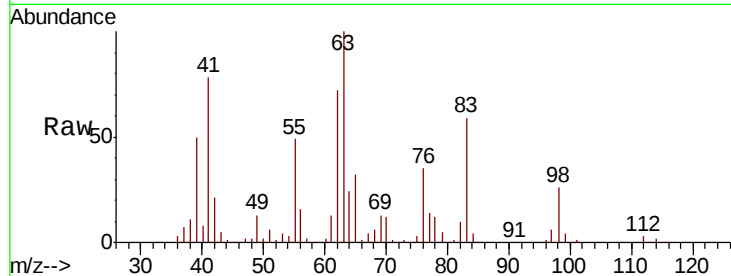
#45
 1,2-Dichloropropane
 Concen: 48.104 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 156868
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.4 36.6

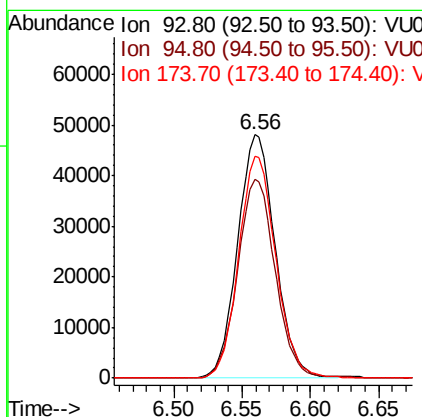
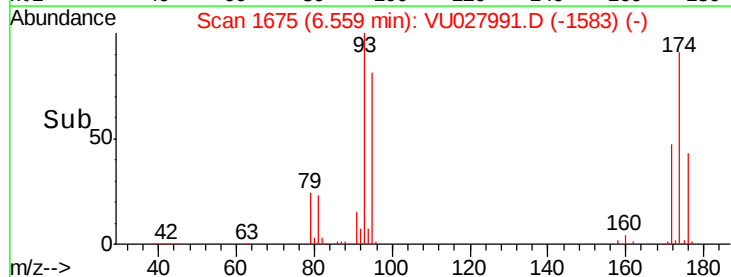
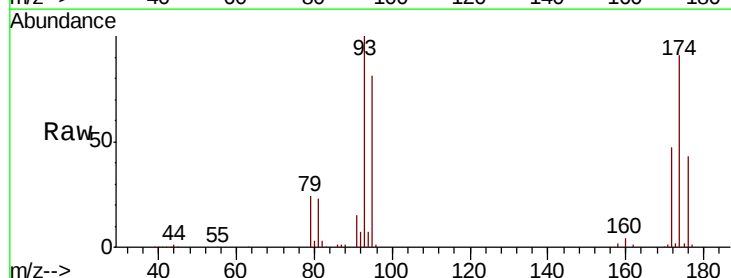
Manual Integrations
 APPROVED

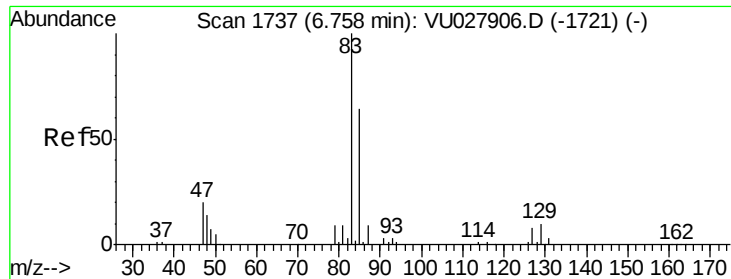
MMDadoda
 11/8/2018 9:10:57 AM



#46
 Dibromomethane
 Concen: 48.853 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion: 93 Resp: 91572
 Ion Ratio Lower Upper
 93 100
 95 81.8 68.5 102.7
 174 91.0 76.1 114.1





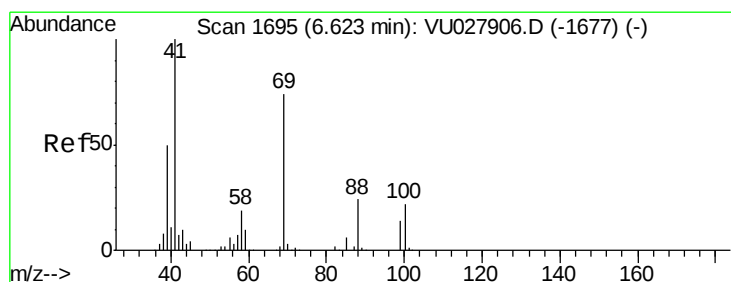
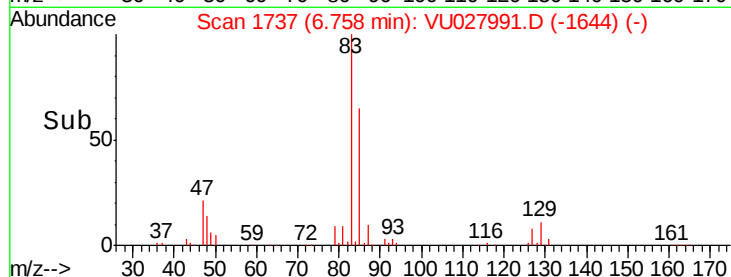
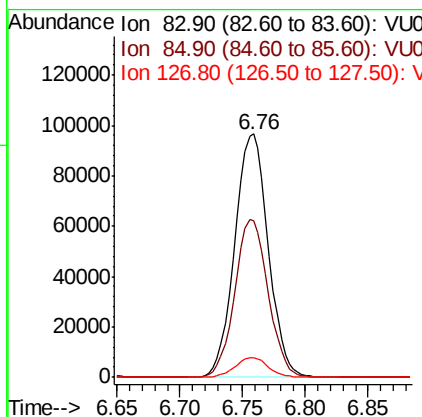
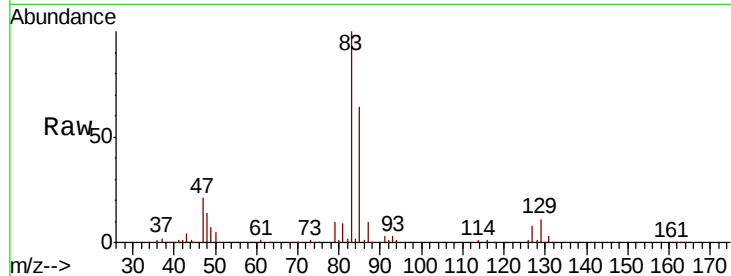
#47
 Bromodichloromethane
 Concen: 49.666 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	179408
Ion Ratio	100		
85	64.2	51.0	76.6
127	7.9	6.2	9.4

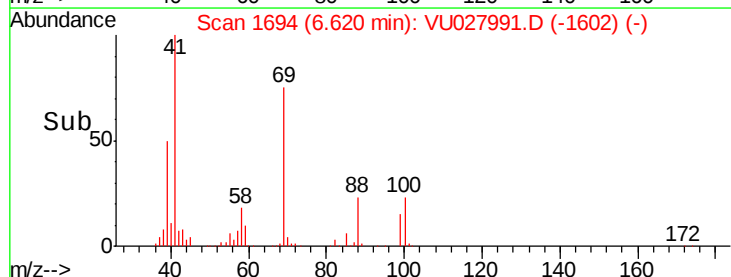
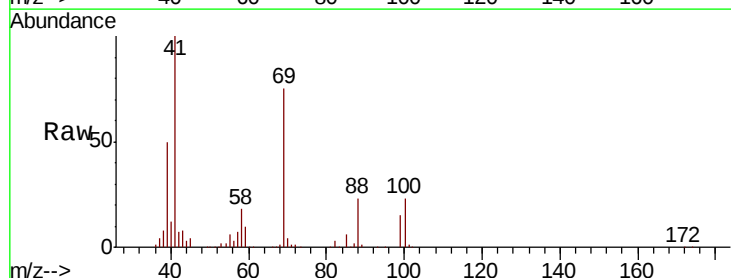
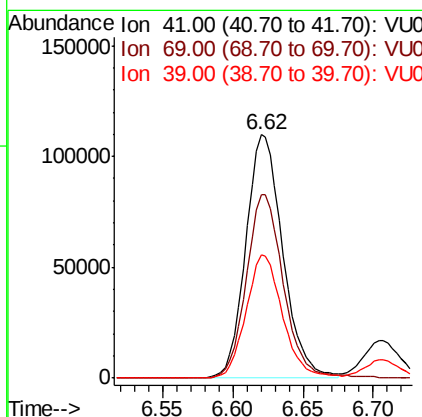
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:10:57 AM



#48
 Methyl methacrylate
 Concen: 48.220 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	41	Resp	200619
Ion Ratio	100		
69	76.2	59.8	89.8
39	50.3	40.0	60.0





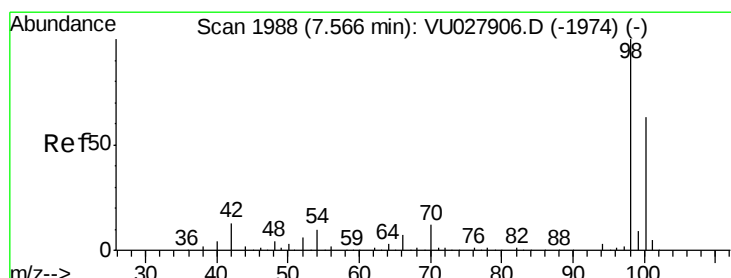
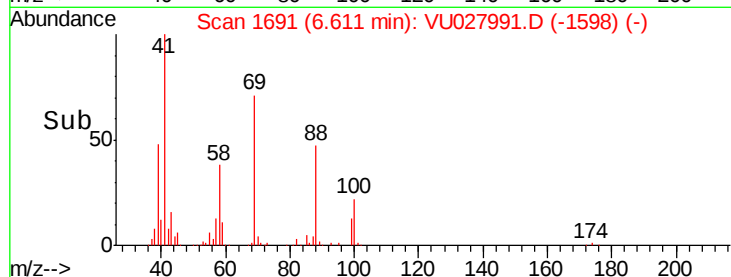
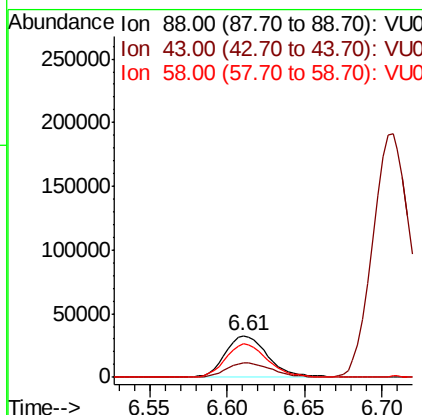
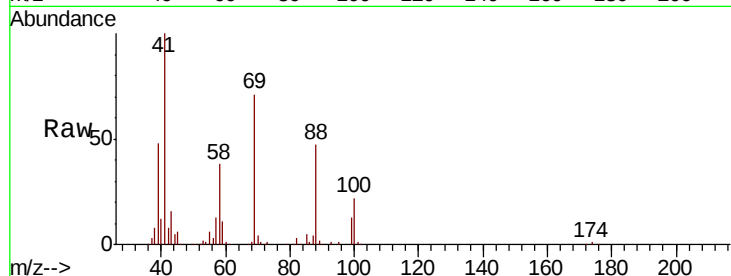
#49
1,4-Dioxane
Concen: 909.274 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	30.5	45.7
58	81.5	67.1	100.7

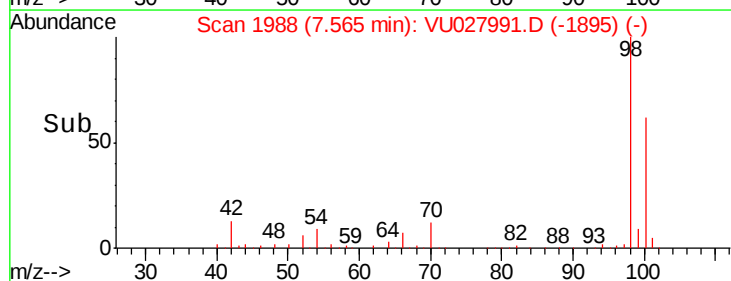
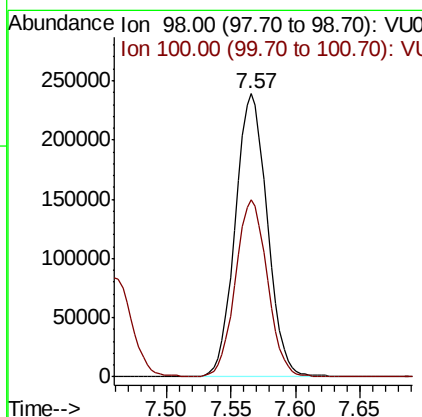
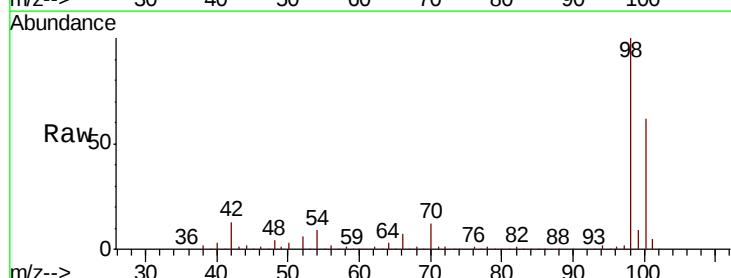
Manual Integrations
APPROVED

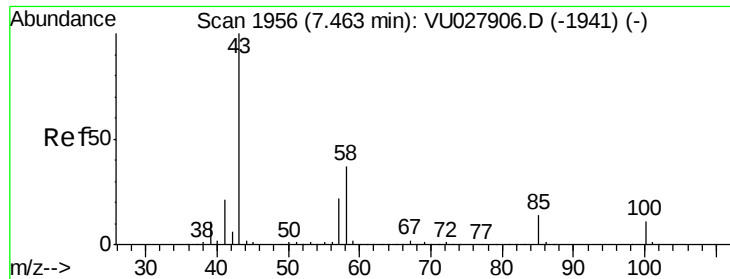
MMDadoda
11/8/2018 9:10:57 AM



#50
Toluene-d8
Concen: 48.041 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.8	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 231.042 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1309990

Ion Ratio Lower Upper

43 100

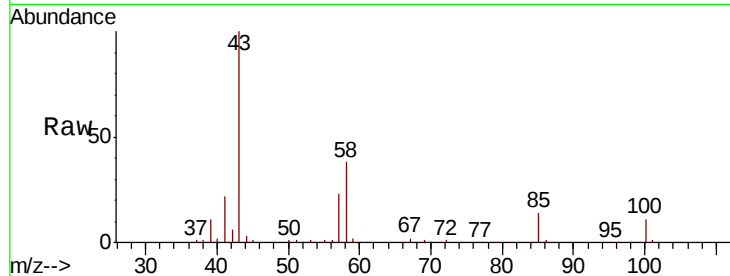
58 37.4 29.5 44.3

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

800000

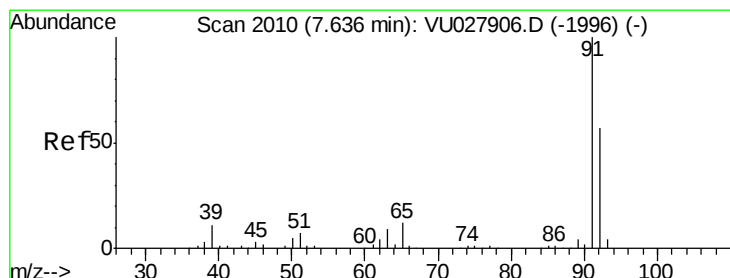
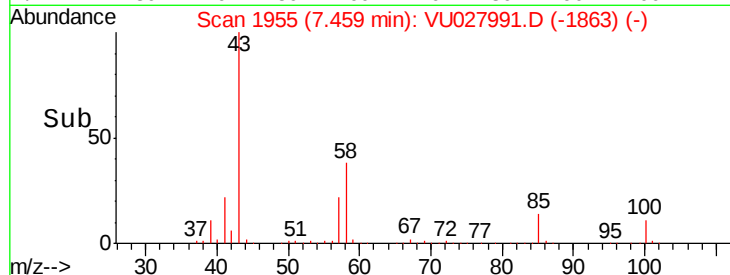
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 48.138 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027991.D

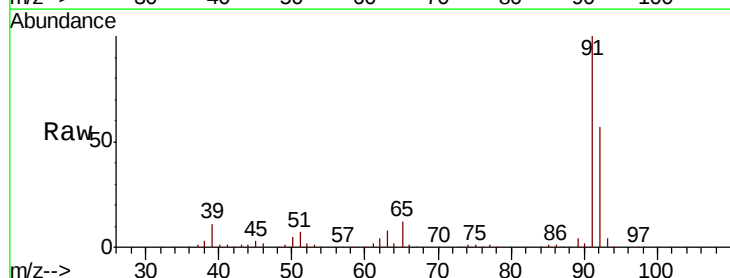
Acq: 07 Nov 2018 08:59

Tgt Ion: 92 Resp: 320004

Ion Ratio Lower Upper

92 100

91 176.8 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

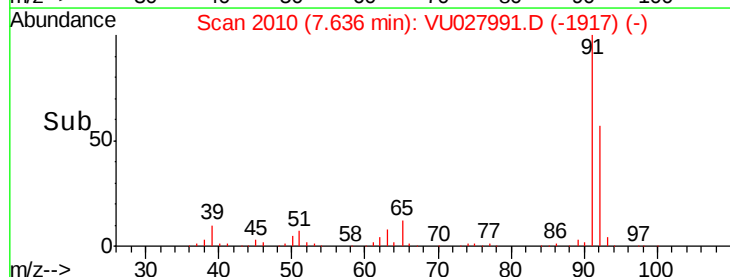
300000

200000

100000

0

Time-->





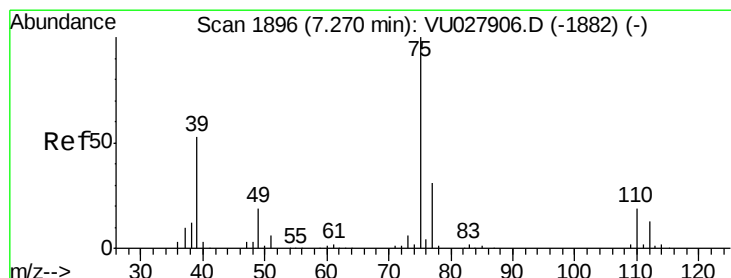
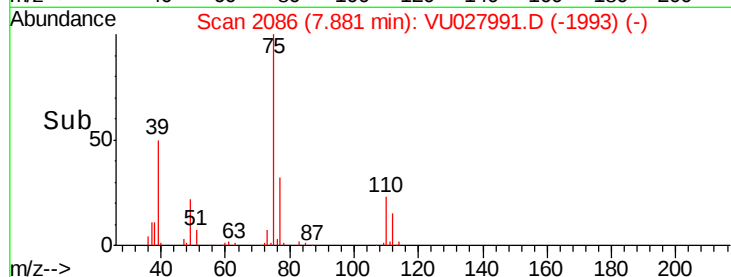
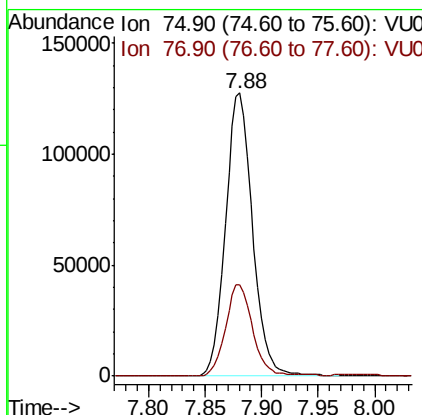
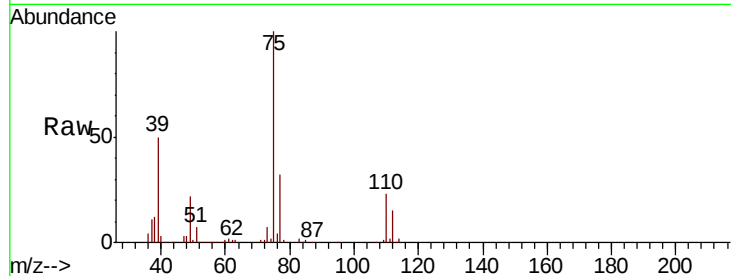
#53
t-1,3-Dichloropropene
Concen: 47.338 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

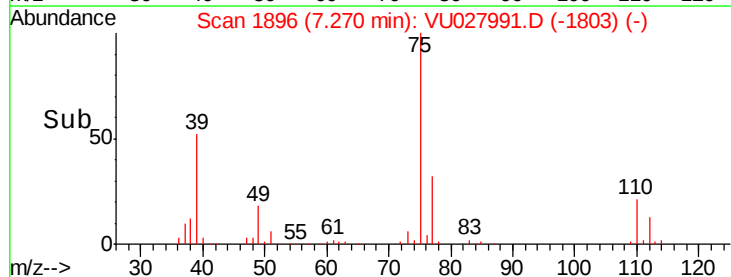
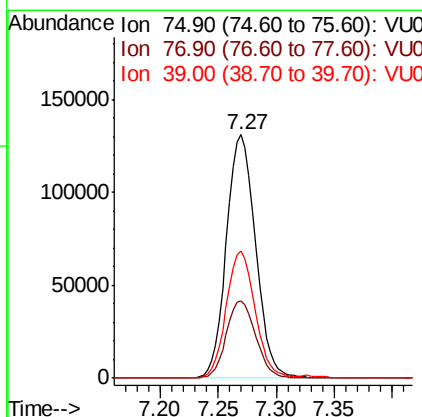
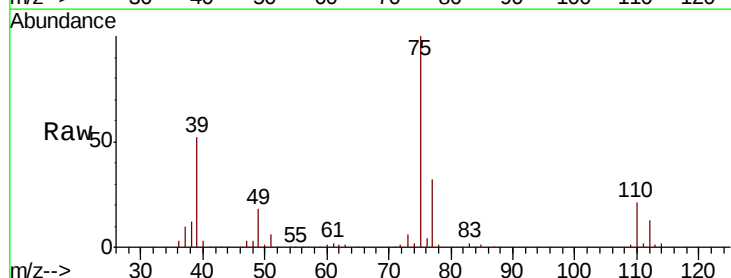
Manual Integrations
APPROVED

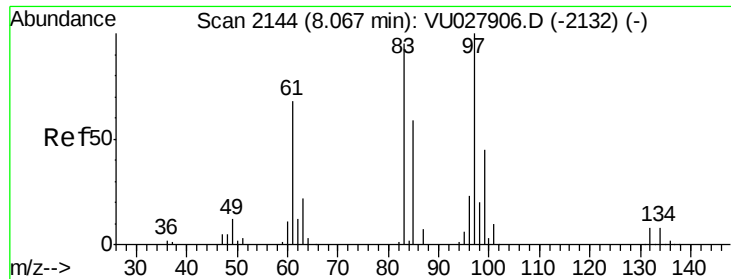
MMDadoda
11/8/2018 9:10:57 AM



#54
cis-1,3-Dichloropropene
Concen: 51.417 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	37.0
39	51.9	42.6	64.0





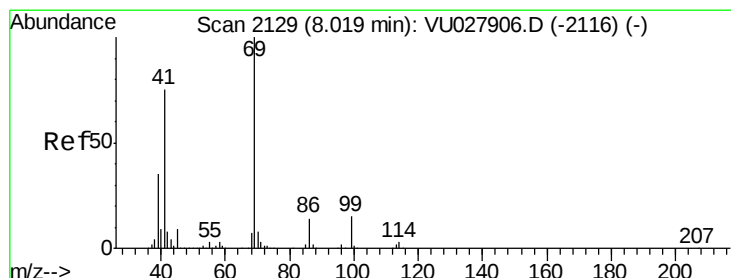
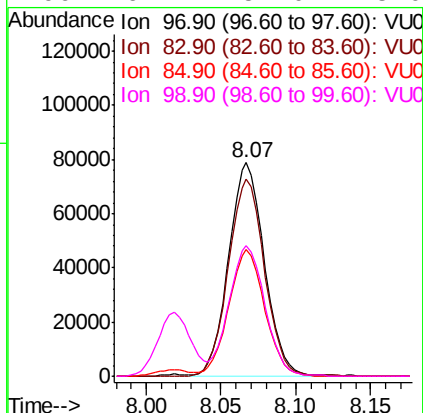
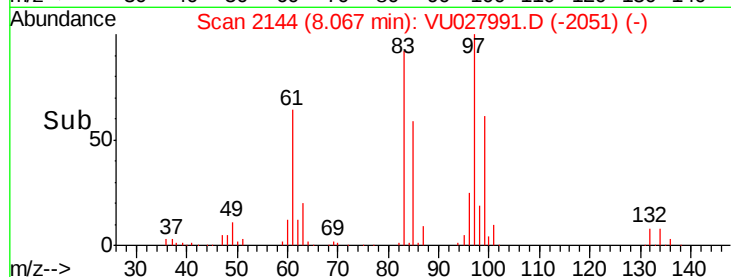
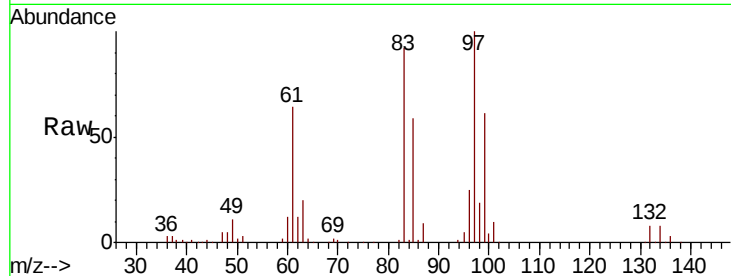
#55
 1,1,2-Trichloroethane
 Concen: 48.219 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	130412
Ion	Ratio	Lower	Upper
97	100		
83	92.4	76.1	114.1
85	59.4	48.9	73.3
99	61.1	52.0	78.0

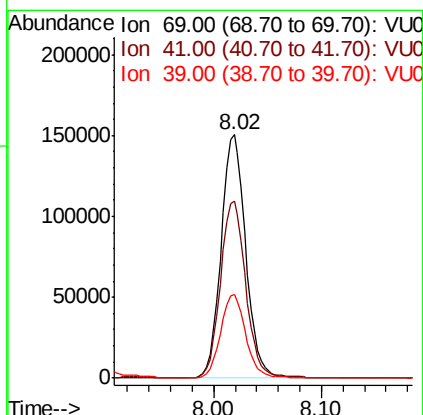
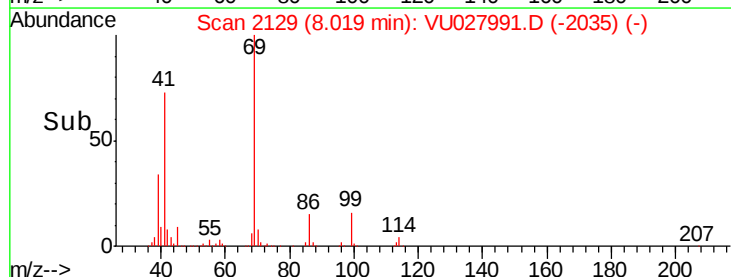
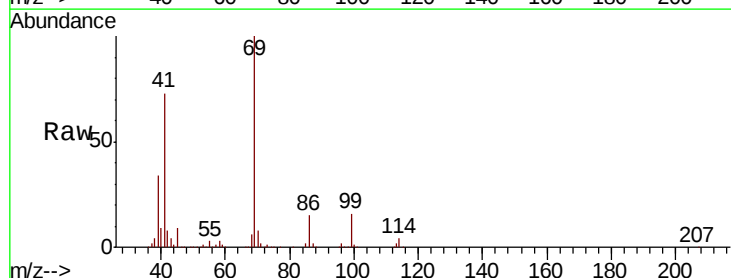
Manual Integrations
 APPROVED

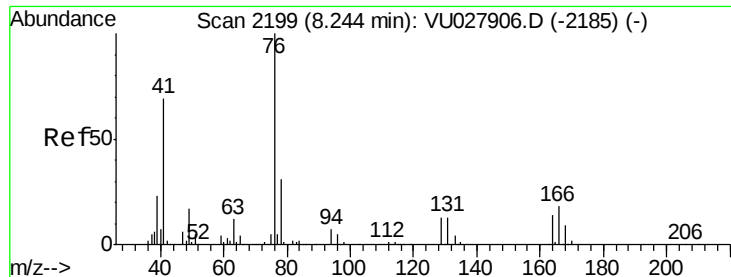
MMDadoda
 11/8/2018 9:10:57 AM



#56
 Ethyl methacrylate
 Concen: 50.176 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion:	69	Resp:	239311
Ion	Ratio	Lower	Upper
69	100		
41	74.1	59.8	89.6
39	34.6	28.6	42.8





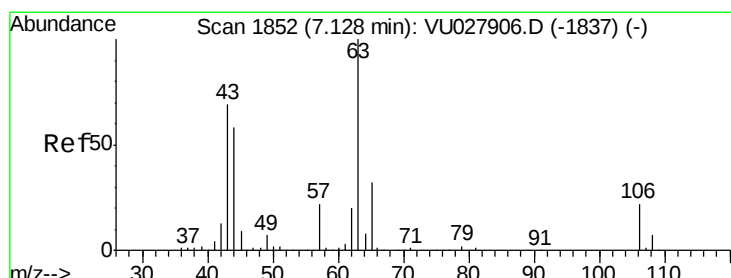
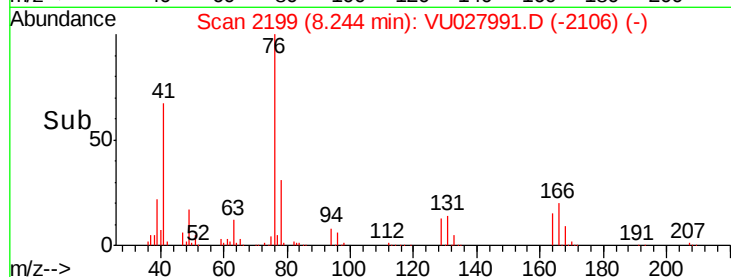
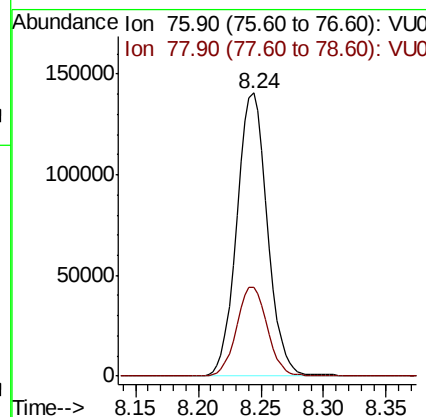
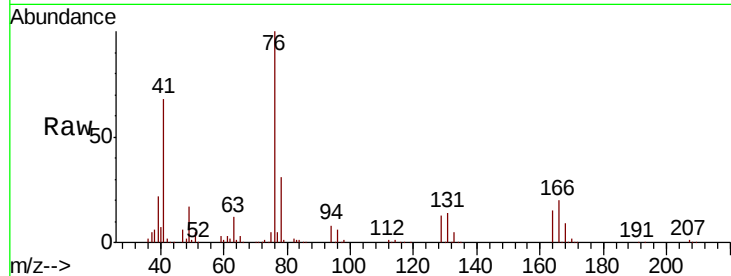
#57
 1,3-Dichloropropane
 Concen: 48.338 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 238144
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

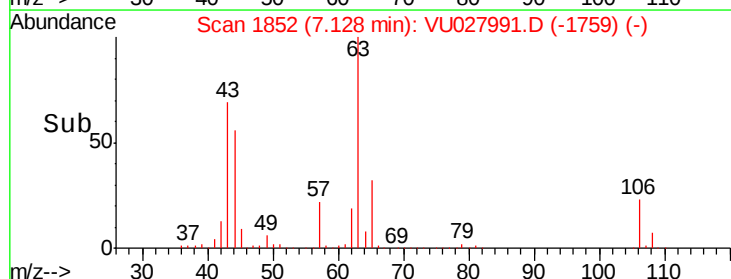
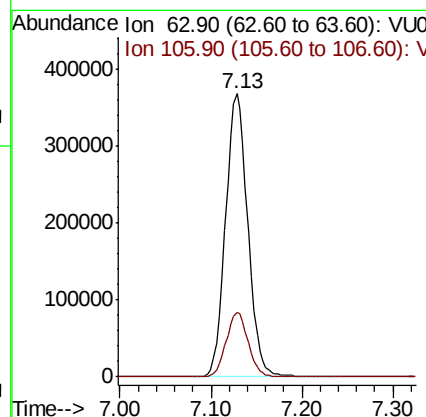
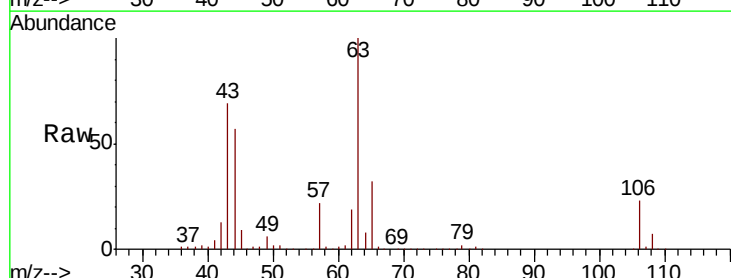
Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:10:57 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.050 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion: 63 Resp: 625958
 Ion Ratio Lower Upper
 63 100
 106 22.6 17.8 26.6





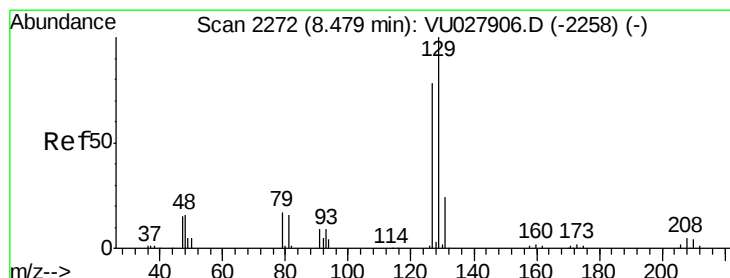
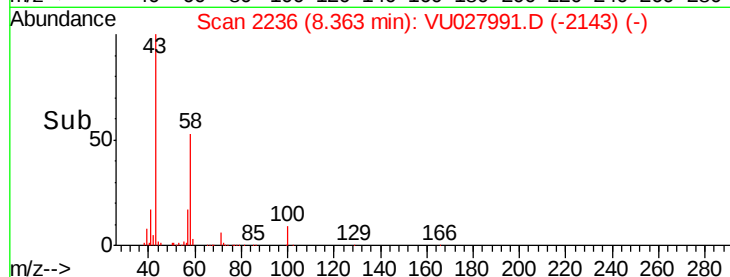
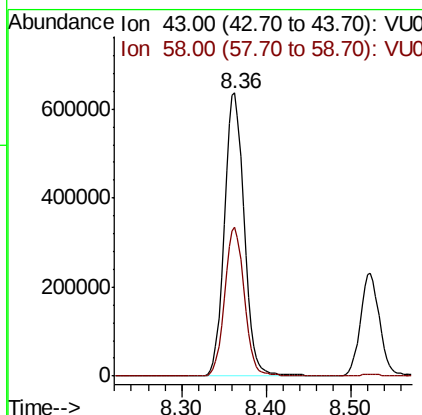
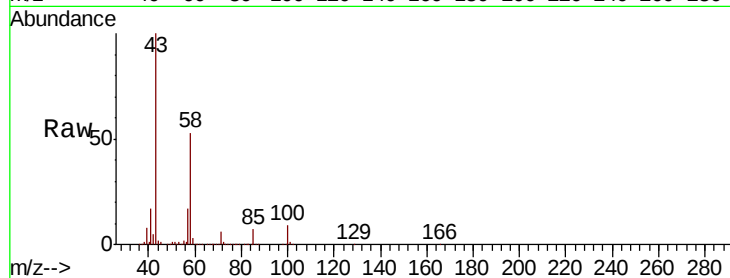
#59
2-Hexanone
Concen: 236.438 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1036850
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.3

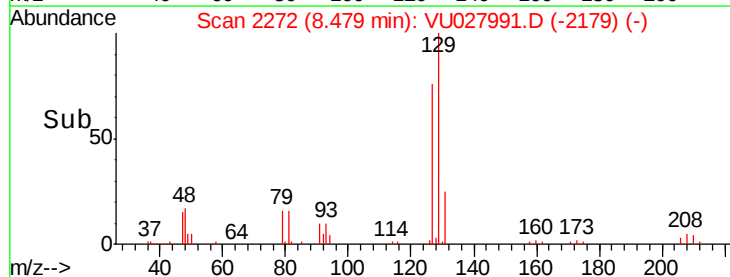
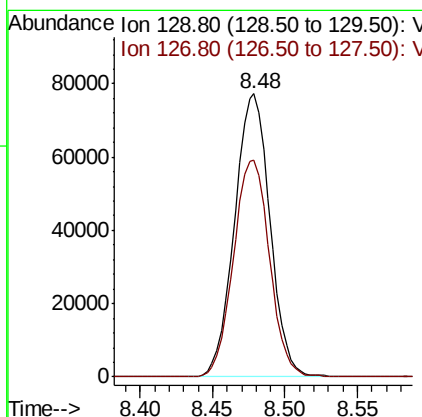
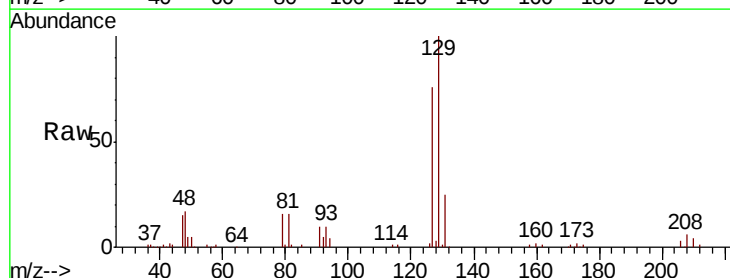
Manual Integrations
APPROVED

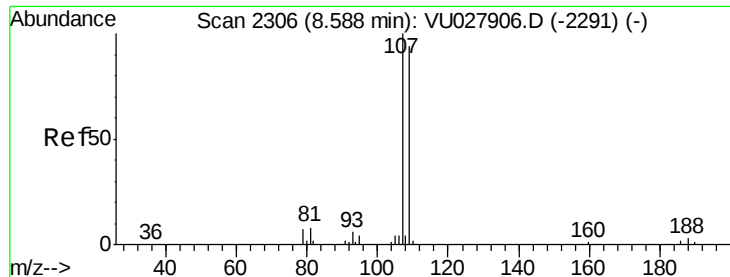
MMDadoda
11/8/2018 9:10:57 AM



#60
Dibromochloromethane
Concen: 51.288 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion: 129 Resp: 131259
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 48.414 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 139130

Ion Ratio Lower Upper

107 100

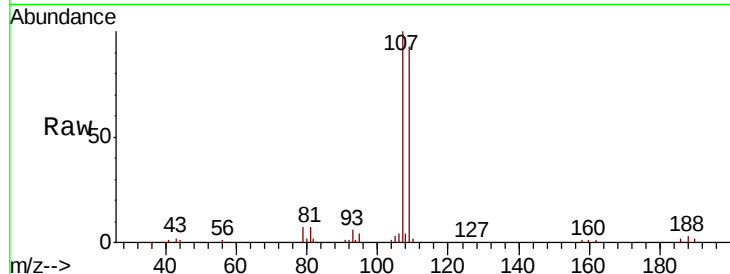
109 94.7 73.8 110.8

Manual Integrations

APPROVED

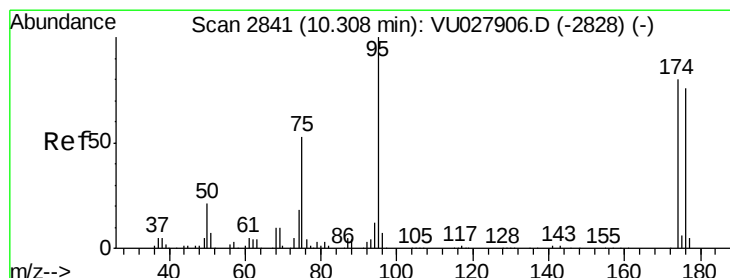
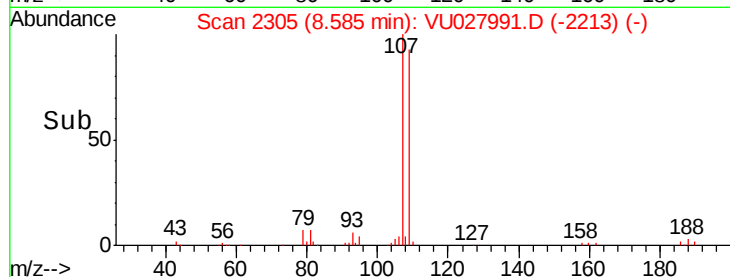
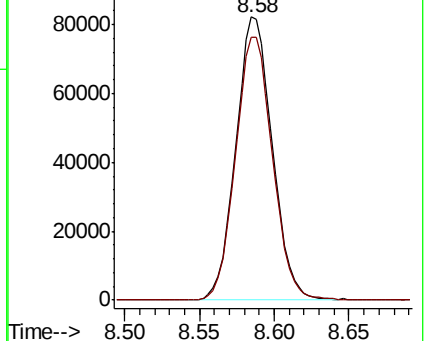
MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.626 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

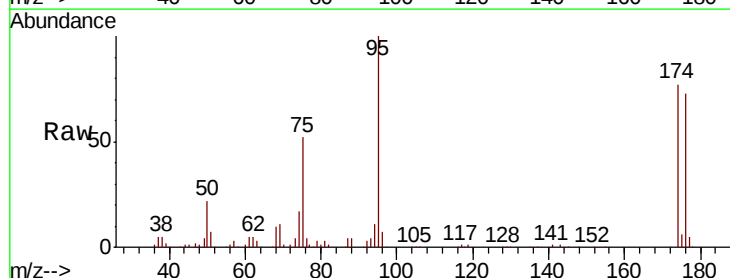
Tgt Ion: 95 Resp: 154261

Ion Ratio Lower Upper

95 100

174 77.8 0.0 156.4

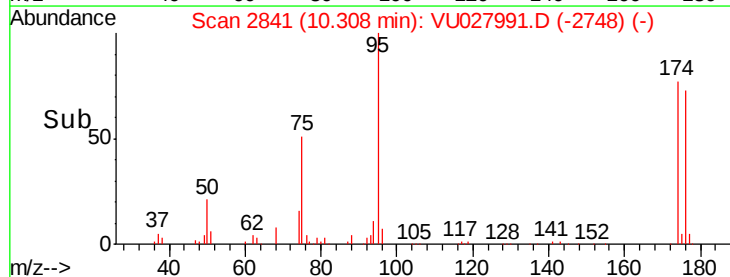
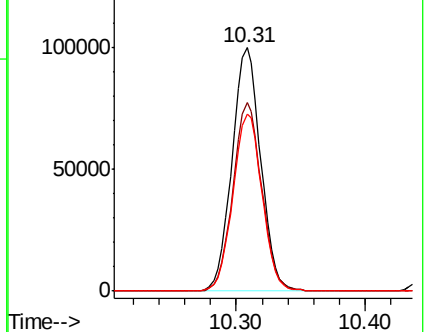
176 74.1 0.0 150.8

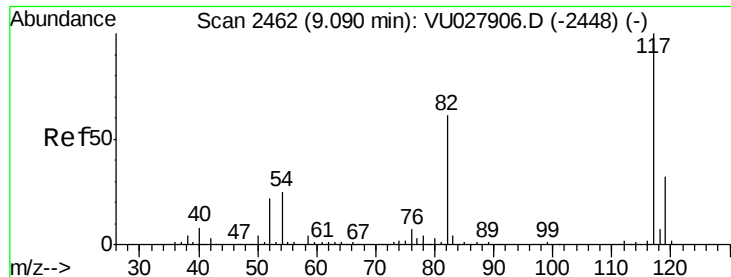


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





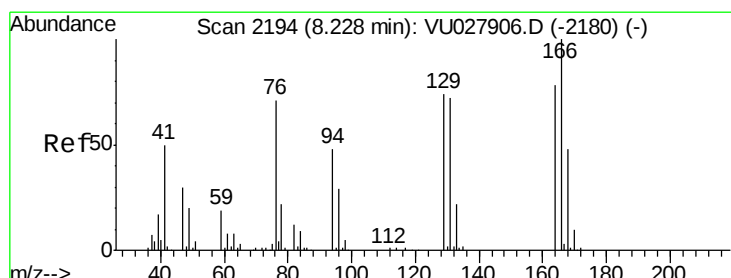
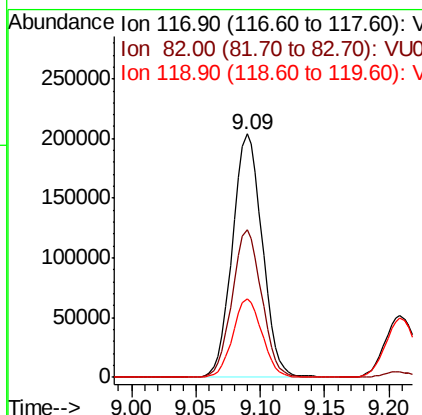
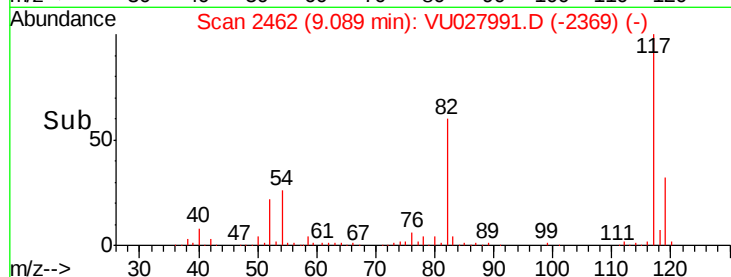
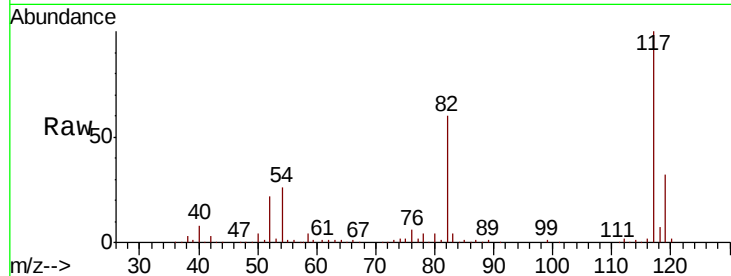
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.6	73.0
119	32.1	25.8	38.8

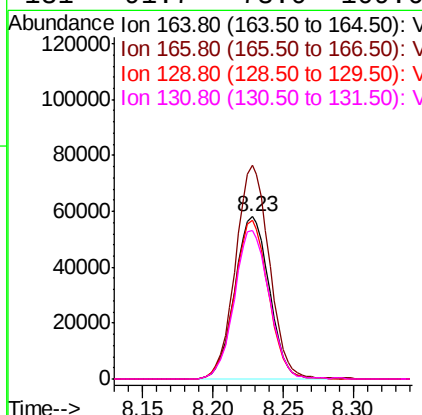
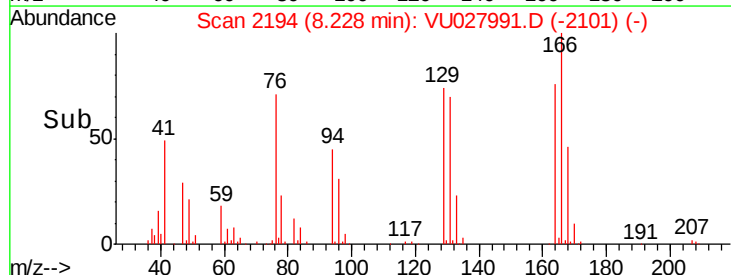
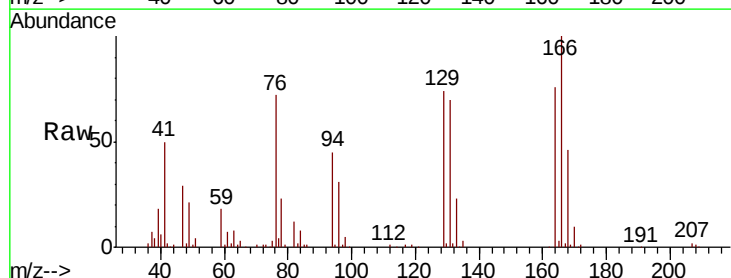
Manual Integrations
APPROVED

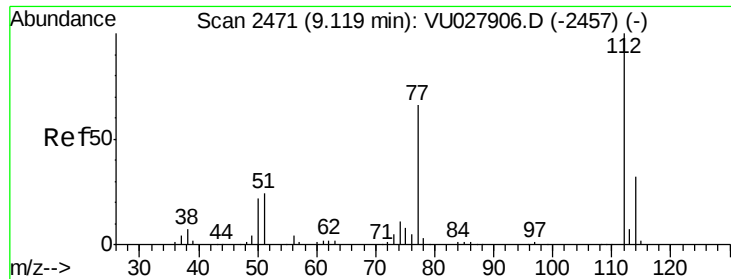
MMDadoda
11/8/2018 9:10:57 AM



#64
Tetrachloroethene
Concen: 46.858 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.1	153.1
129	97.5	75.9	113.9
131	91.7	73.0	109.6





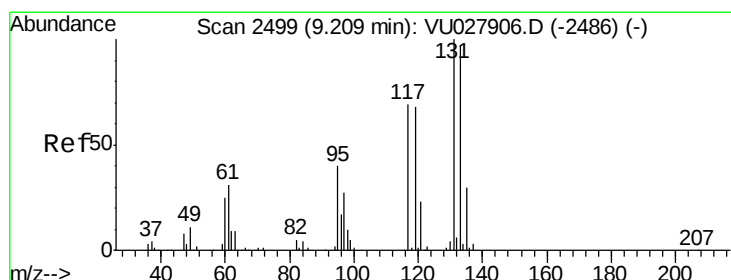
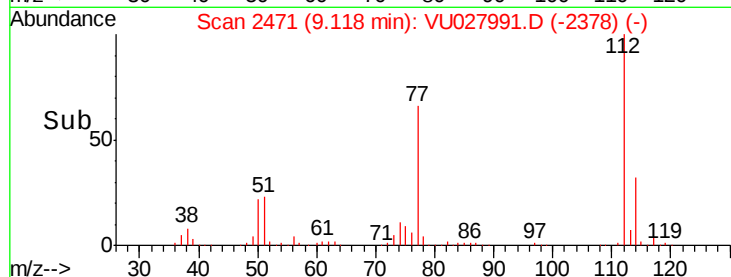
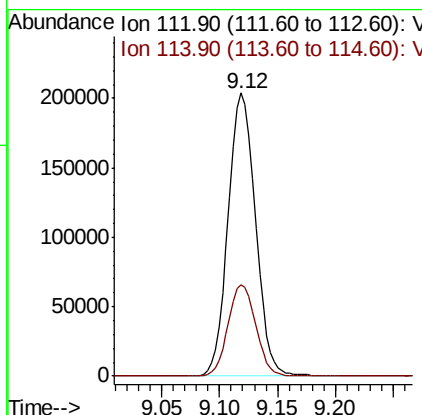
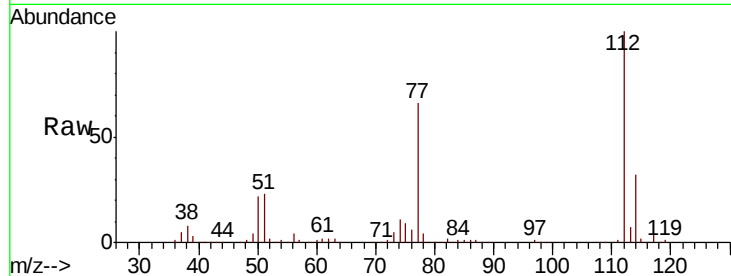
#65
Chlorobenzene
Concen: 48.170 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 334664
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8

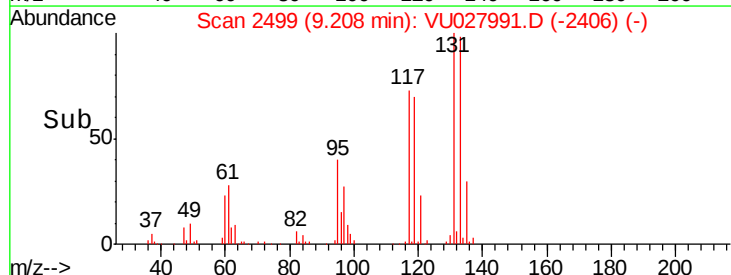
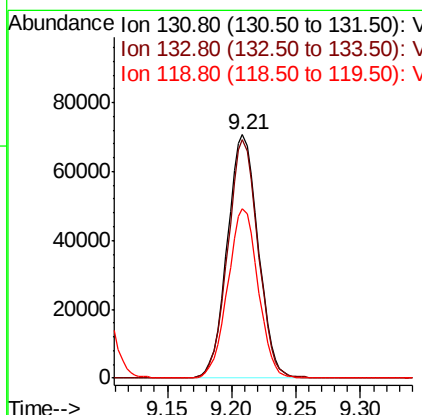
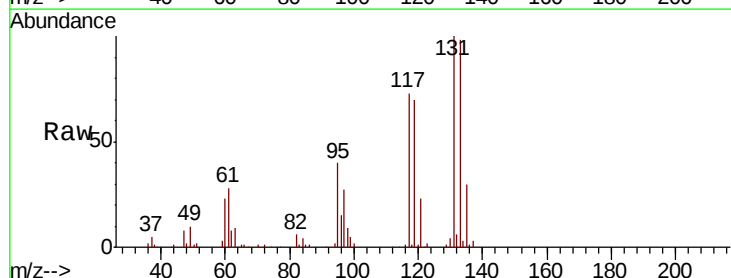
Manual Integrations
APPROVED

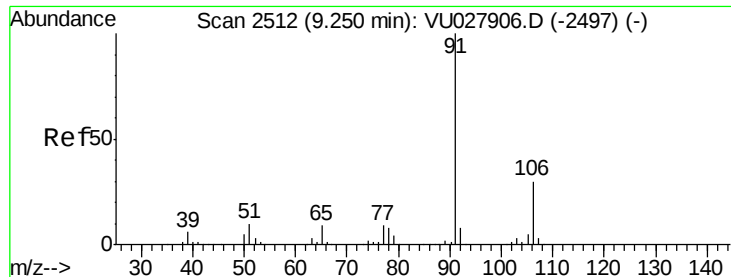
MMDadoda
11/8/2018 9:10:57 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.598 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion:131 Resp: 117699
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 68.4 34.0 101.8





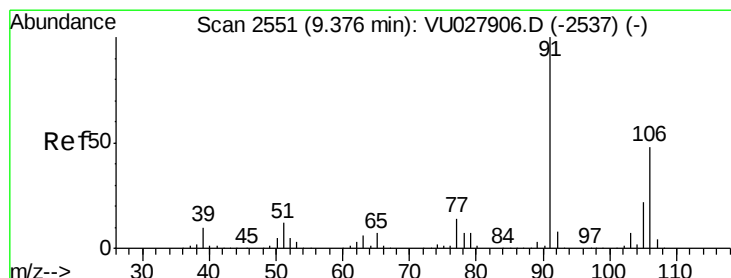
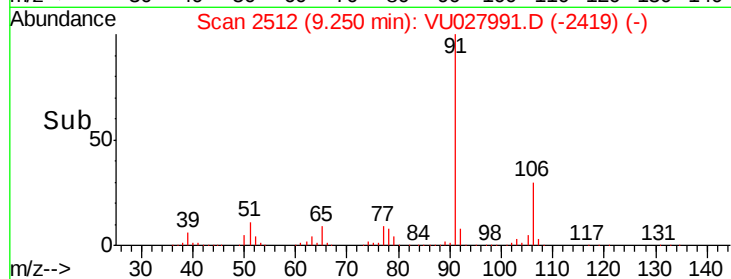
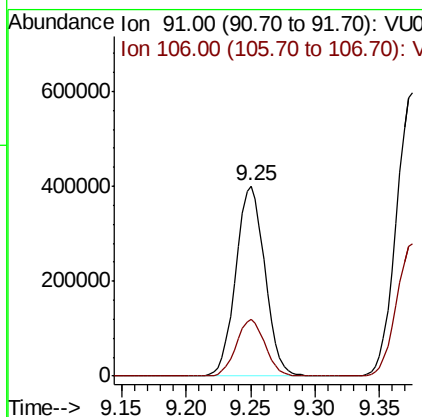
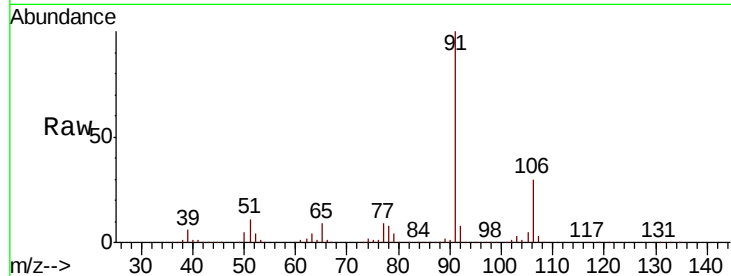
#67
Ethyl Benzene
Concen: 49.184 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 628971
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4

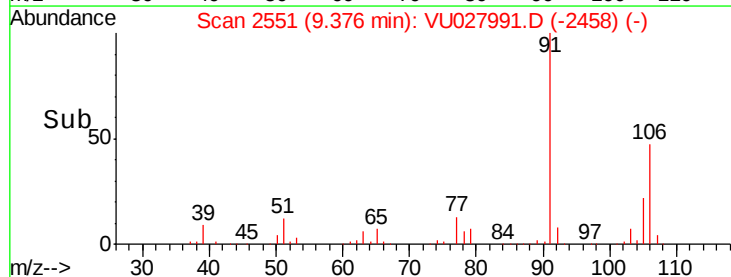
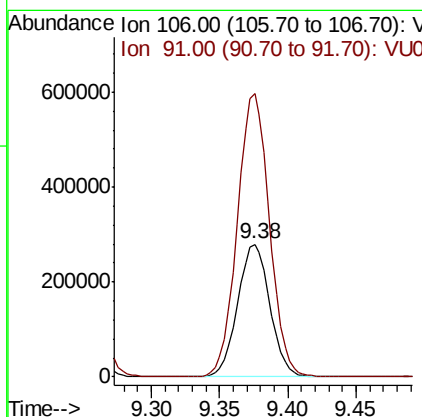
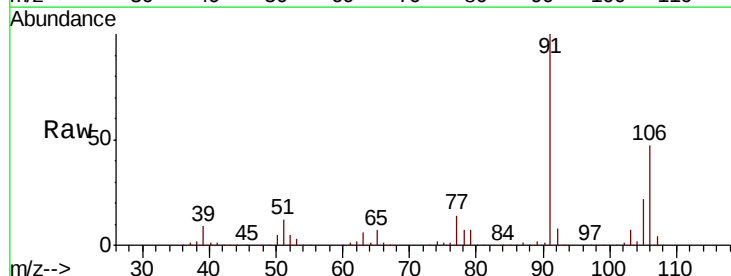
Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#68
m/p-Xylenes
Concen: 98.582 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion: 106 Resp: 457427
Ion Ratio Lower Upper
106 100
91 213.3 168.2 252.4





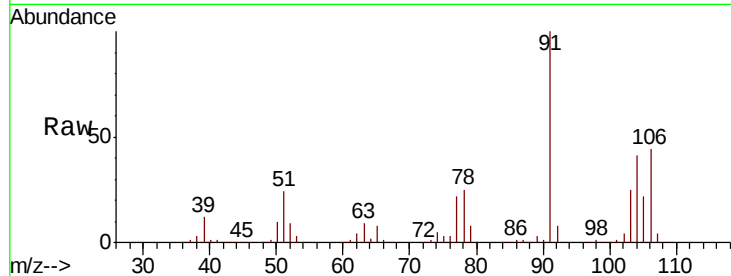
#69
o-Xylene
Concen: 47.783 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

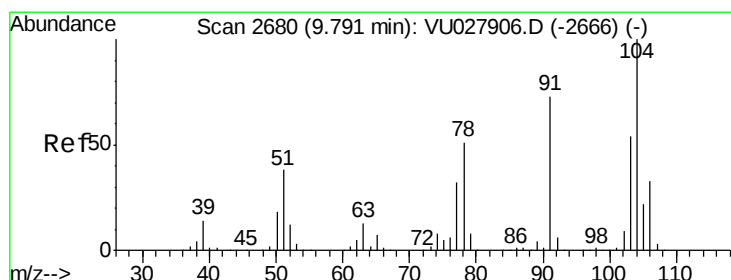
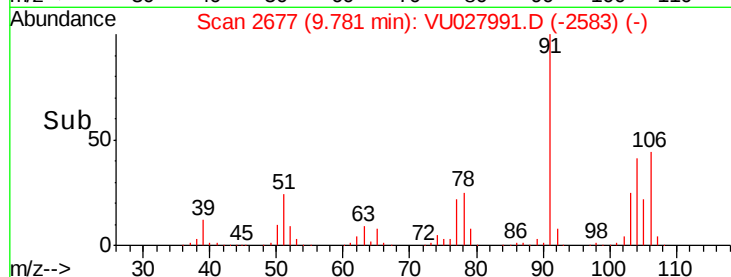
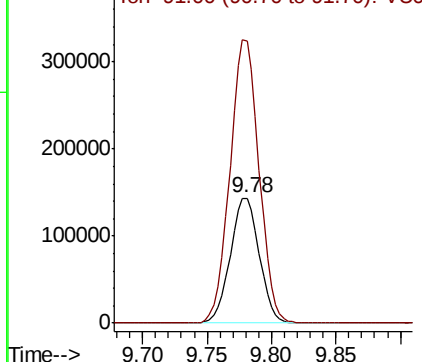
Tot Ion:106 Resp: 223886
Ion Ratio Lower Upper
106 100
91 226.7 111.1 333.4

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM

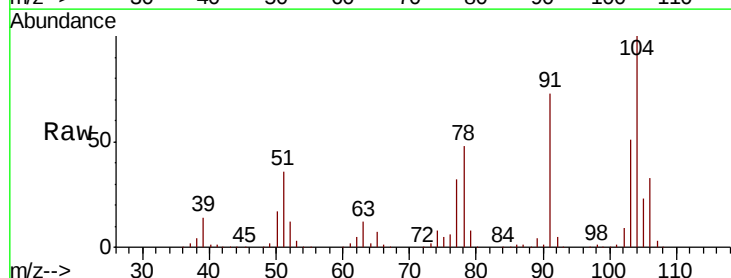


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

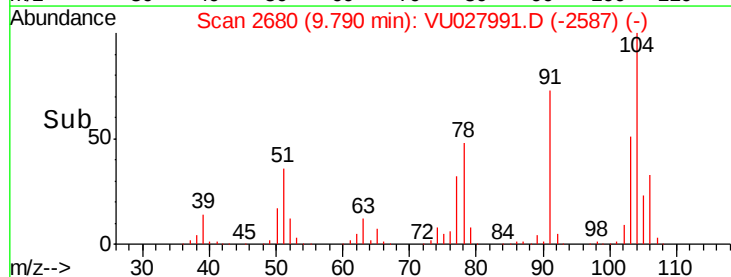
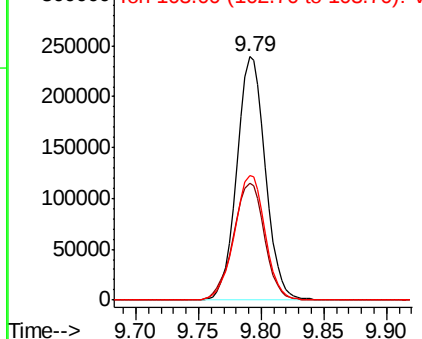


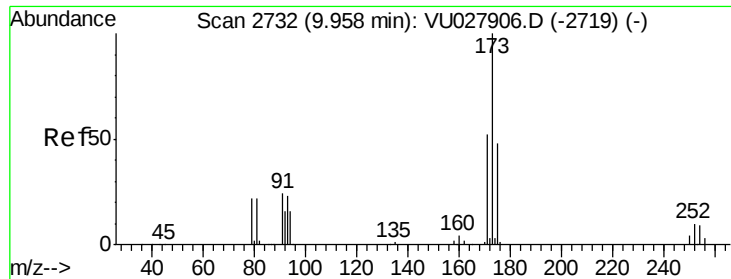
#70
Styrene
Concen: 50.591 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion:104 Resp: 378752
Ion Ratio Lower Upper
104 100
78 52.8 43.0 64.4
103 55.1 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: 51.554 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

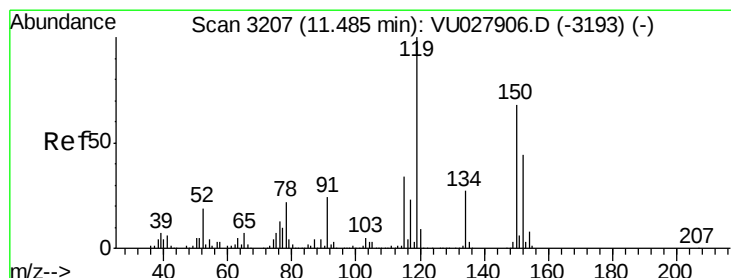
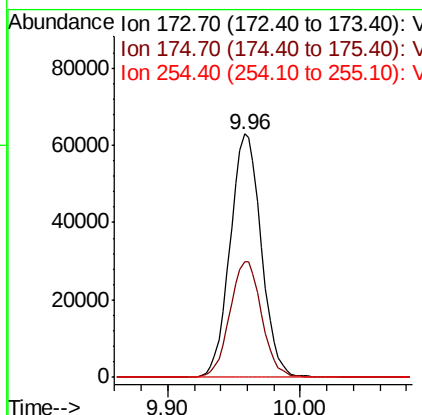
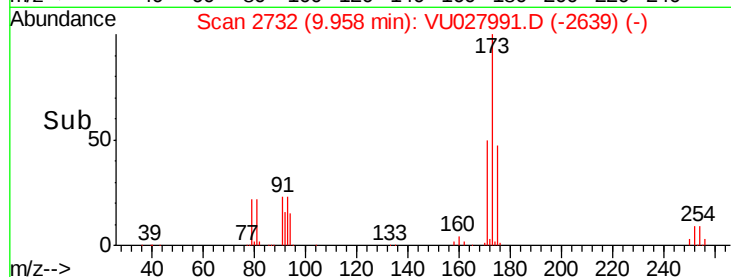
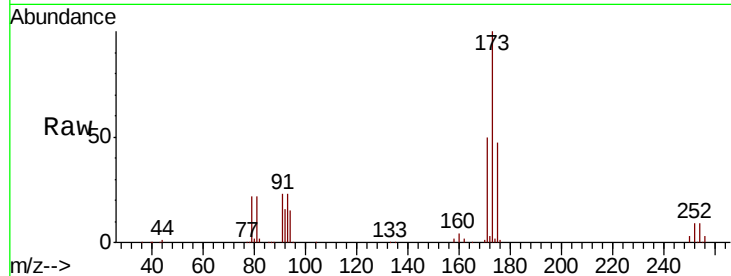
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.8
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

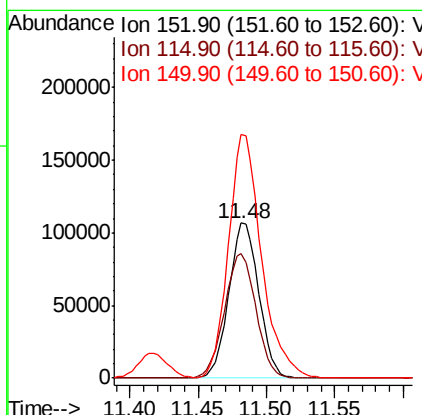
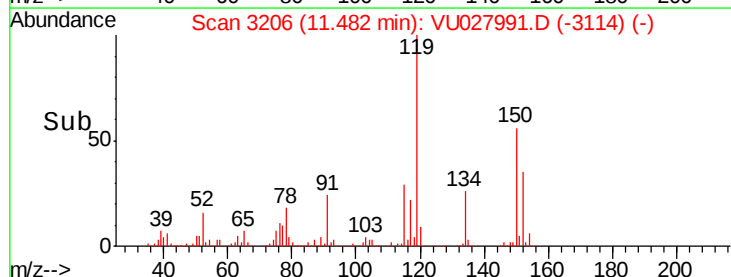
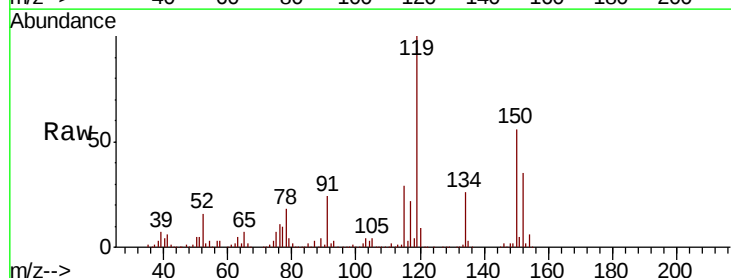
RT: 11.48 min Scan# 3206

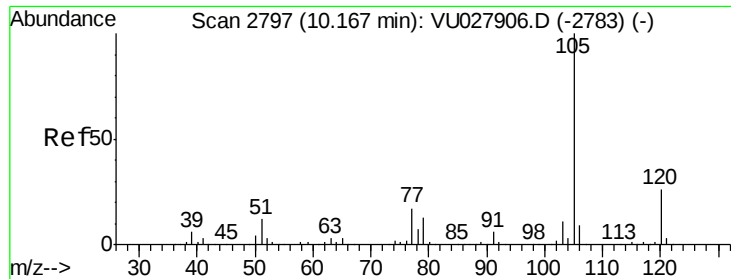
Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.3	43.0	129.0
150	173.4	0.0	349.4





#73

Isopropylbenzene

Concen: 48.609 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 612352

Ion Ratio Lower Upper

105 100

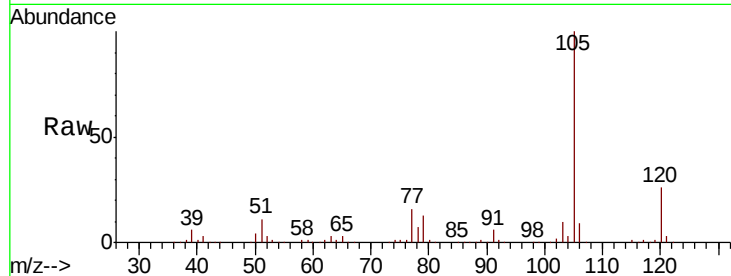
120 25.6 12.7 38.0

Manual Integrations

APPROVED

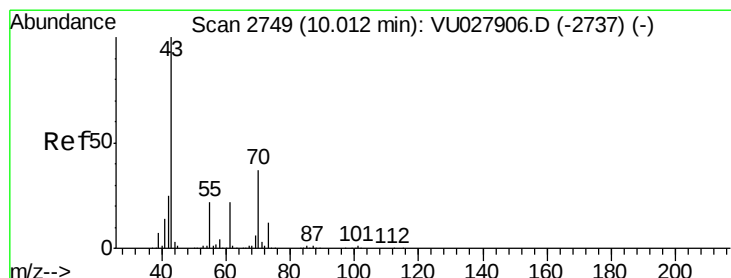
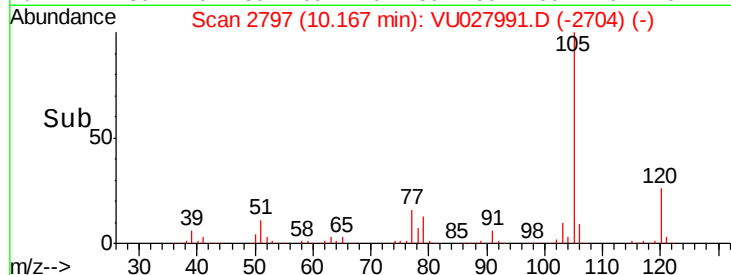
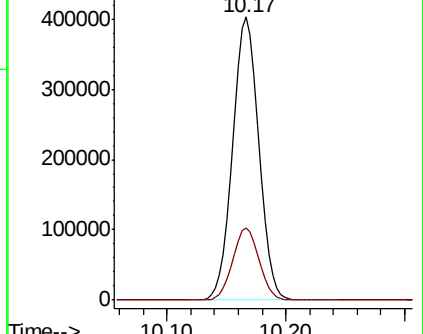
MMDadoda

11/8/2018 9:10:57 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.472 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion: 43 Resp: 369232

Ion Ratio Lower Upper

43 100

70 37.1 29.2 43.8

55 22.4 17.8 26.6

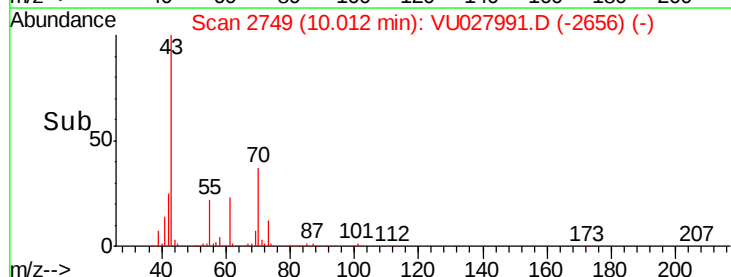
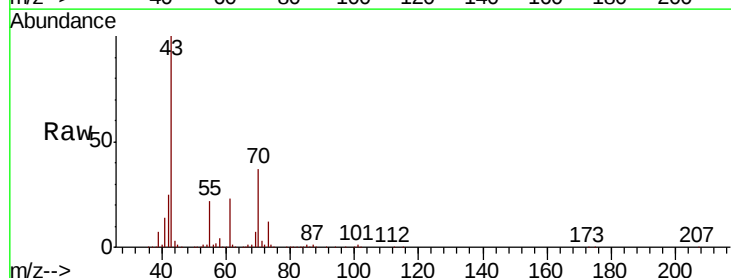
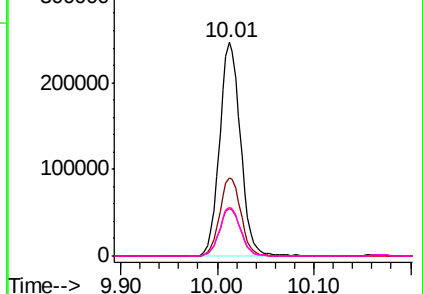
61 22.8 17.8 26.8

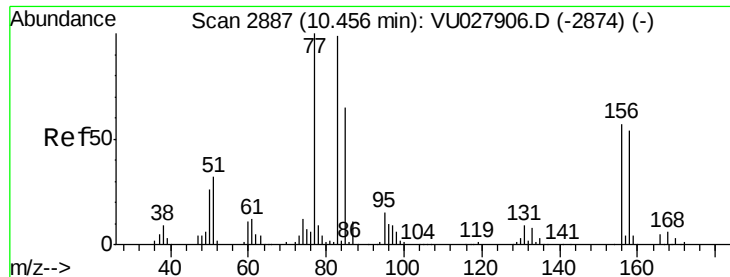
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.281 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

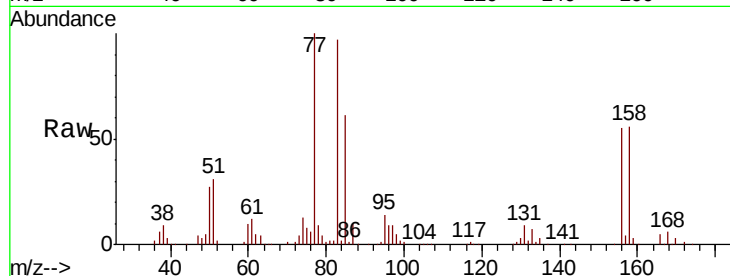
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235176
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.3	13.1
85	64.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



Abundance Ion 82.90 (82.60 to 83.60): VU027991.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027991.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027991.D (-2874) (-)

10.46

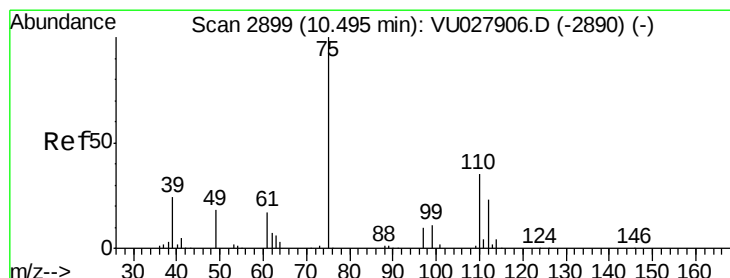
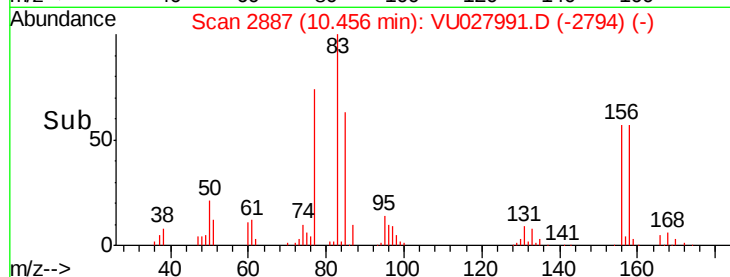
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.907 ug/l m

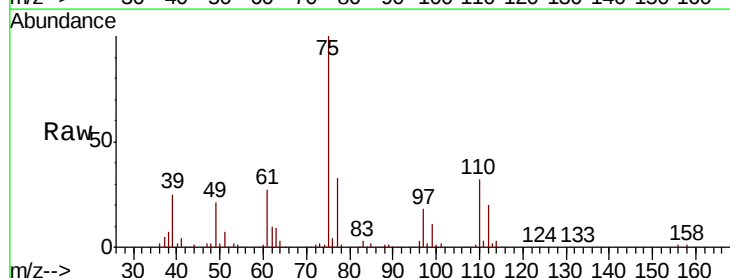
RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	75	Resp:	244221
Ion Ratio	Lower	Upper	
75	100		
77	36.1	21.6	64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027991.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027991.D (-2890) (-)

10.49

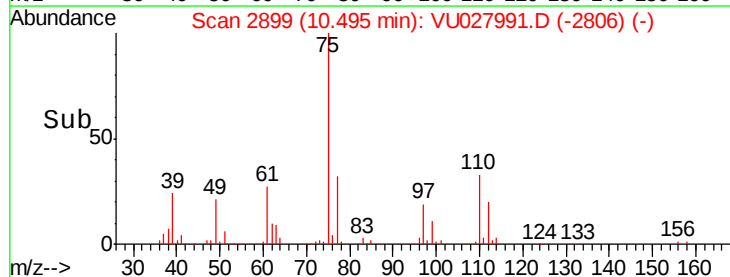
150000

100000

50000

0

Time-->





#77

Bromobenzene

Concen: 49.350 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

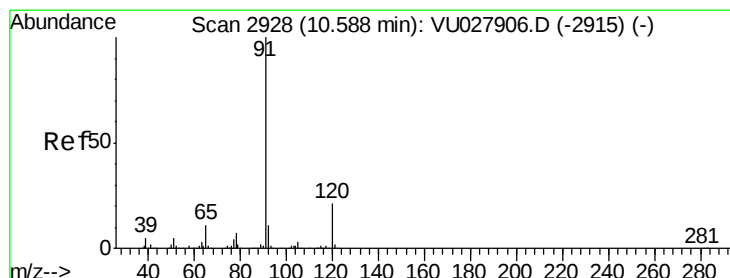
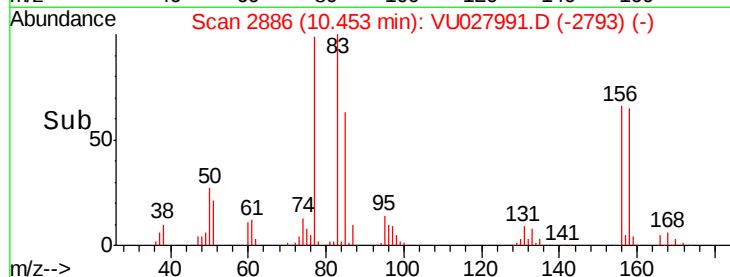
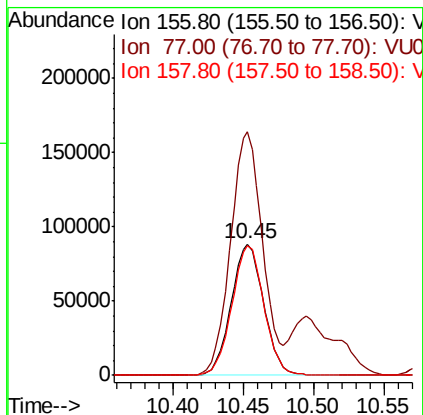
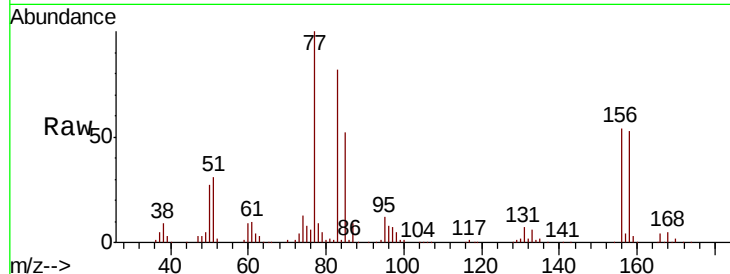
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	142553
Ion Ratio	Lower	Upper	
156	100		
77	184.0	91.8	275.6
158	97.7	48.4	145.2

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#78

n-propylbenzene

Concen: 50.477 ug/l

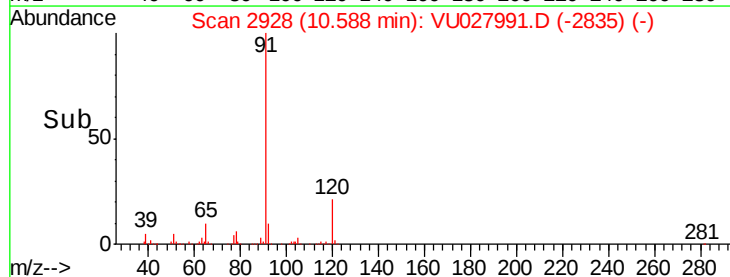
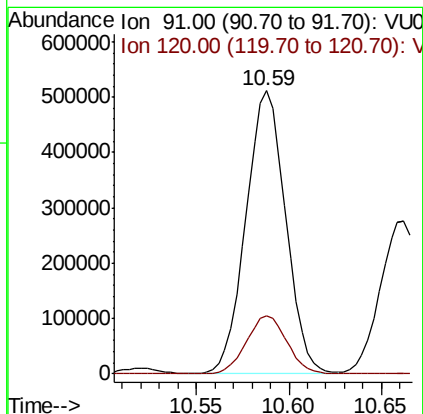
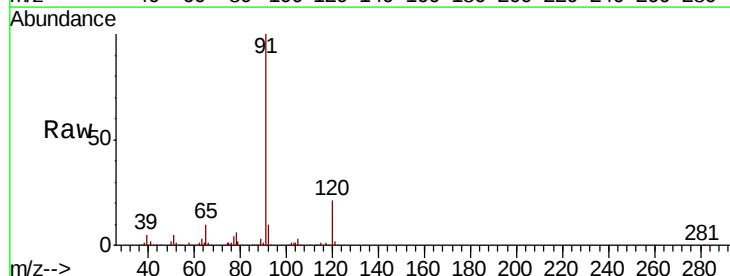
RT: 10.59 min Scan# 2928

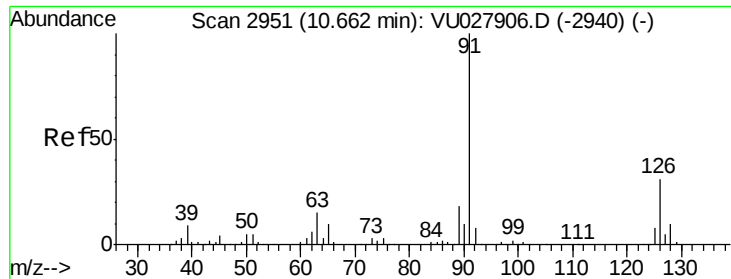
Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	91	Resp:	761148
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8





#79

2-Chlorotoluene

Concen: 47.846 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 432452

Ion Ratio Lower Upper

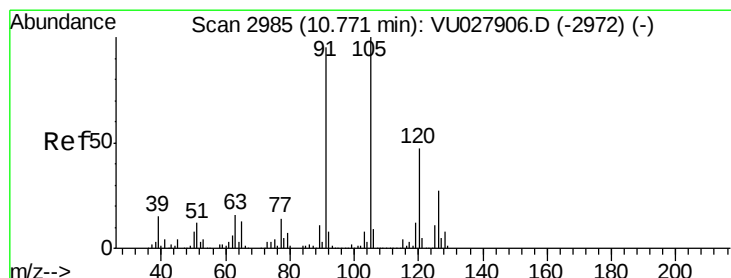
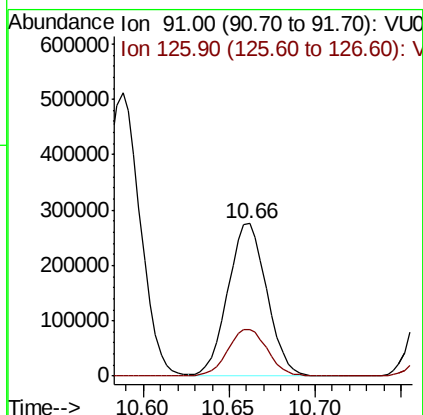
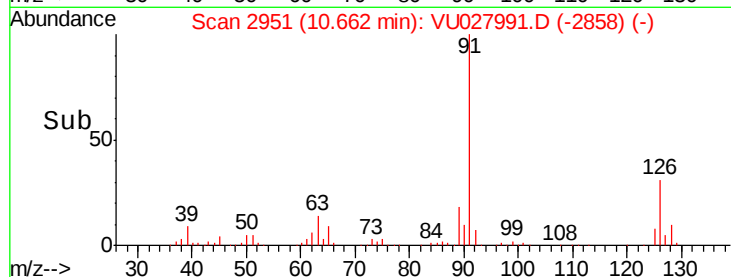
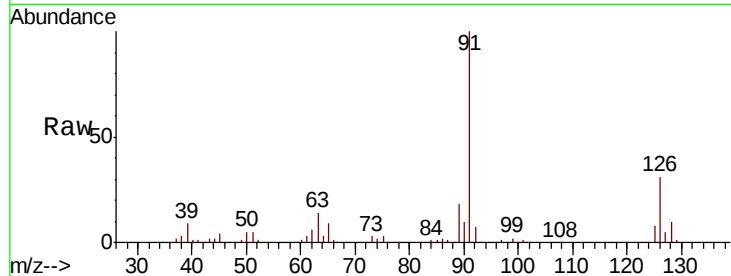
91 100

126 31.5 16.0 47.9

Manual Integrations
APPROVED

MMDadoda

11/8/2018 9:10:57 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.146 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027991.D

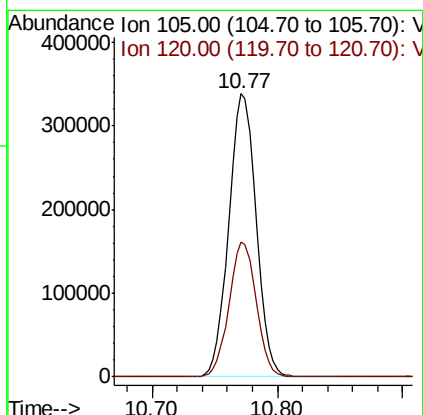
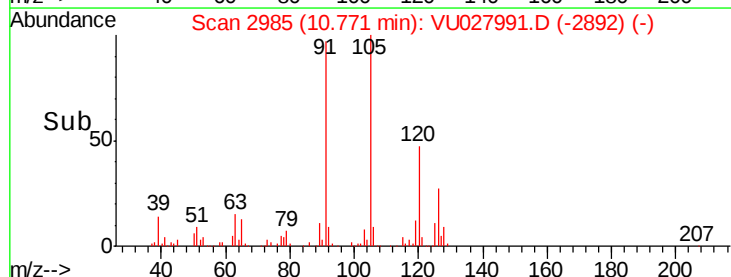
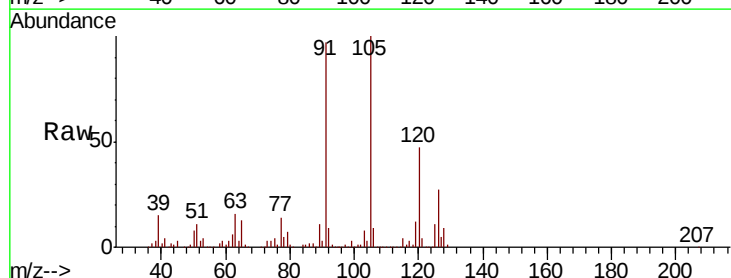
Acq: 07 Nov 2018 08:59

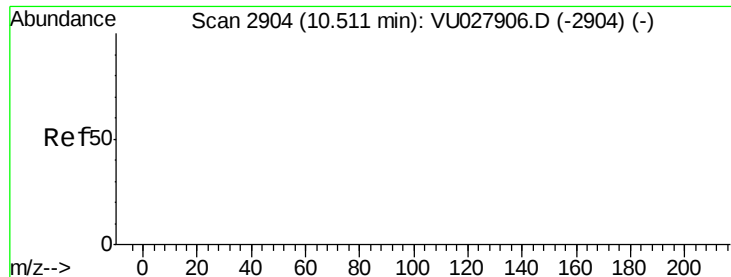
Tgt Ion: 105 Resp: 512873

Ion Ratio Lower Upper

105 100

120 47.4 23.3 69.9





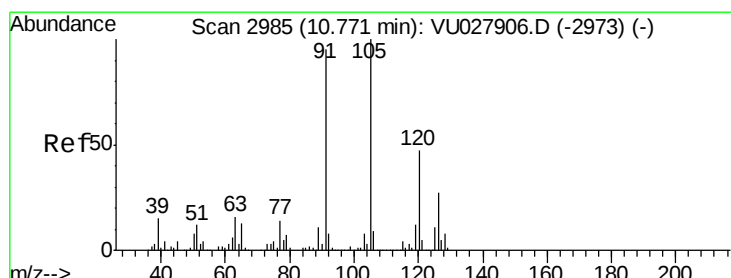
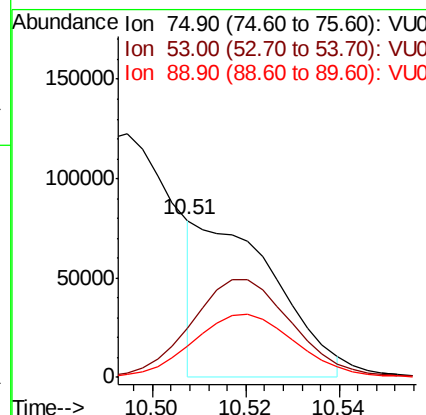
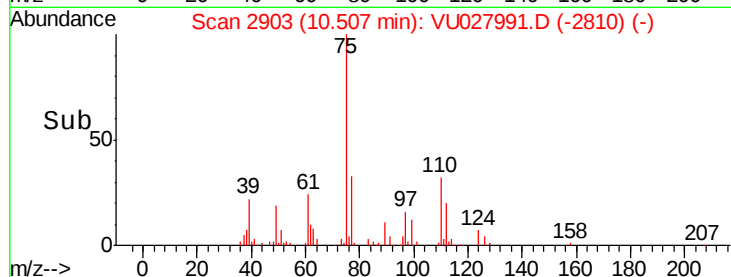
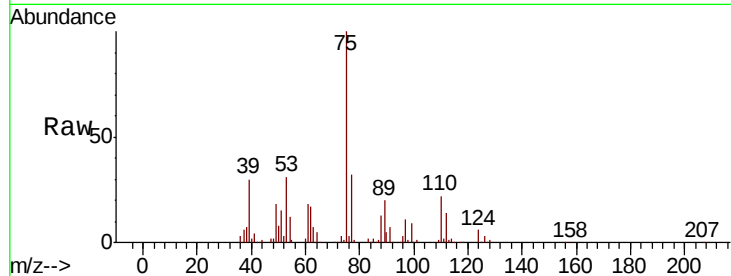
#81
trans-1,4-Dichloro-2-butene
Concen: 52.488 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

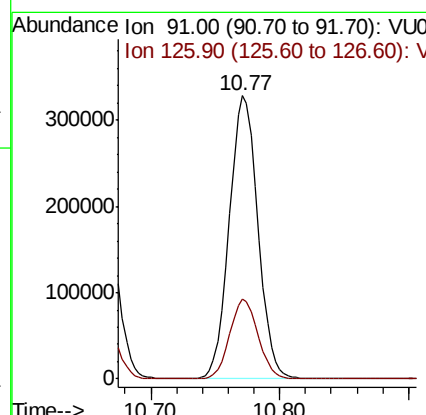
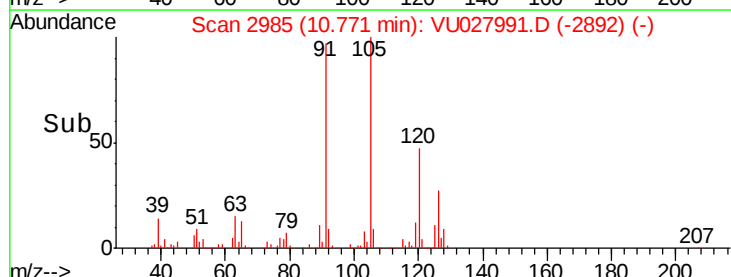
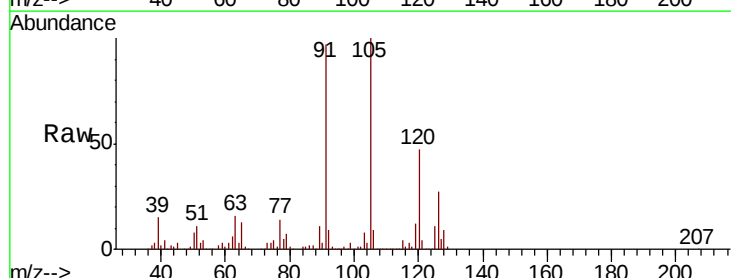
Manual Integrations
APPROVED

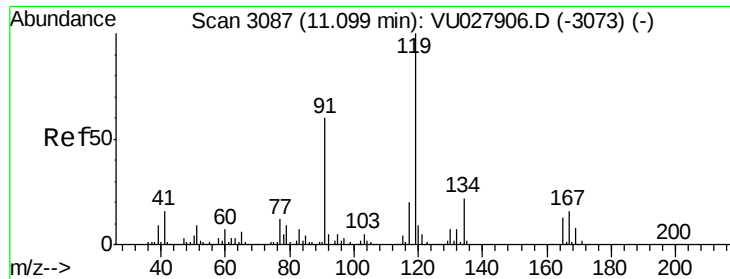
MMDadoda
11/8/2018 9:10:57 AM



#82
4-Chlorotoluene
Concen: 49.027 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6





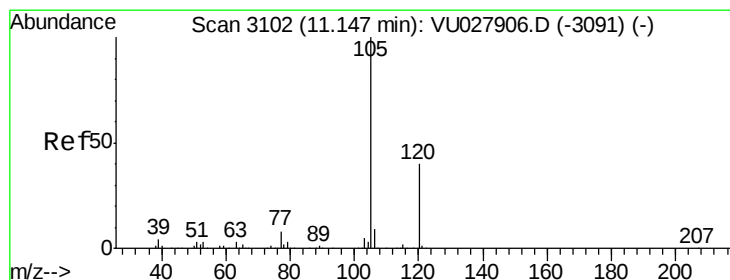
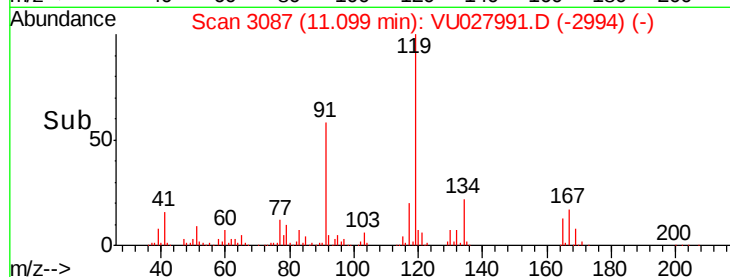
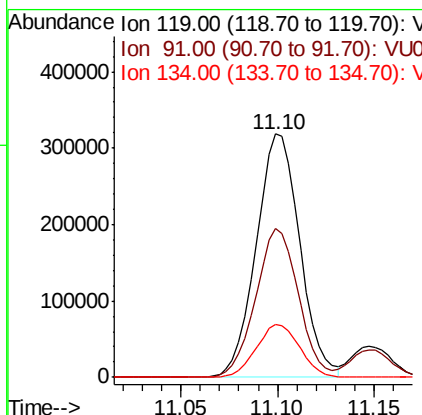
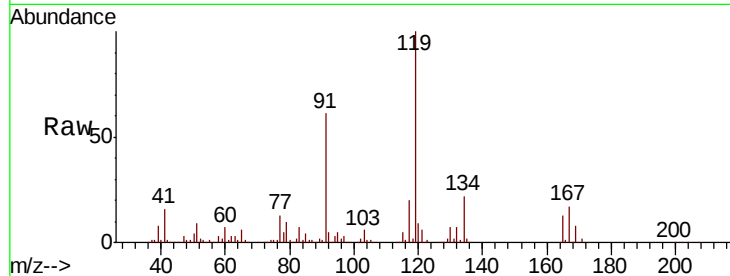
#83
 tert-Butylbenzene
 Concen: 48.040 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.8	89.3
134	21.7	11.1	33.1

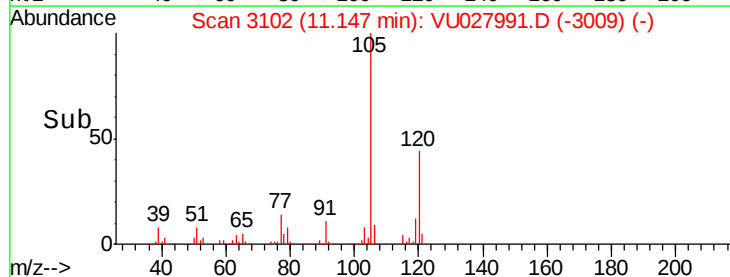
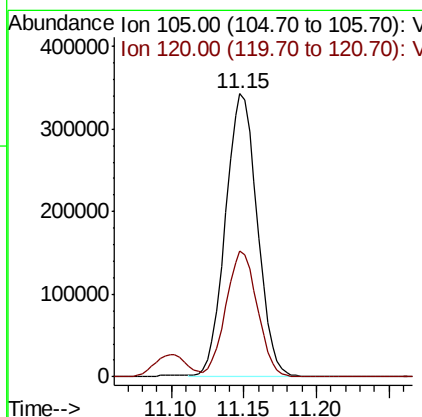
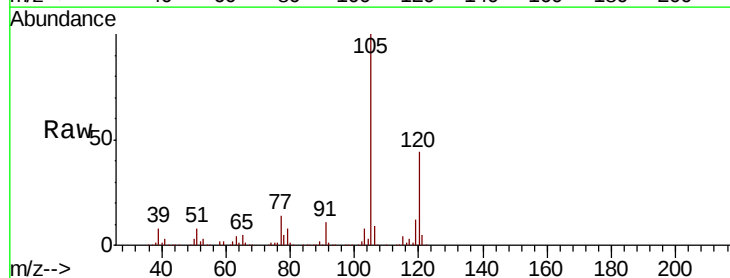
Manual Integrations
 APPROVED

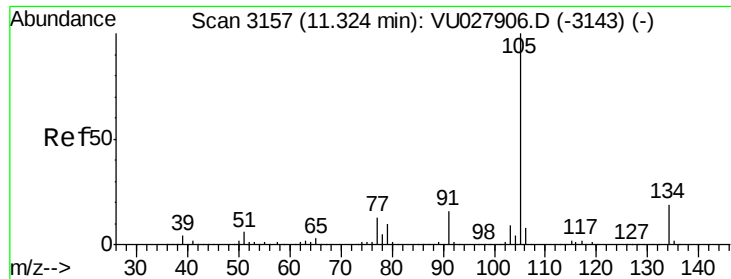
MMDadoda
 11/8/2018 9:10:57 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.393 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1





#85

sec-Butylbenzene

Concen: 50.576 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641688

Ion Ratio Lower Upper

105 100

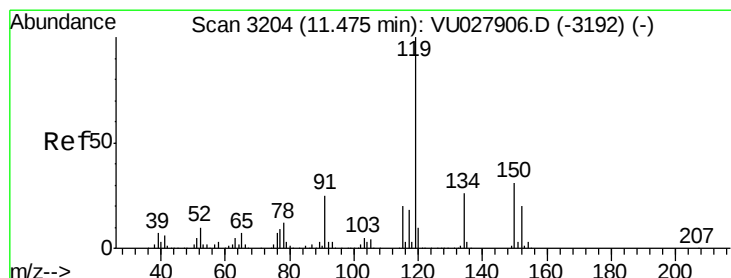
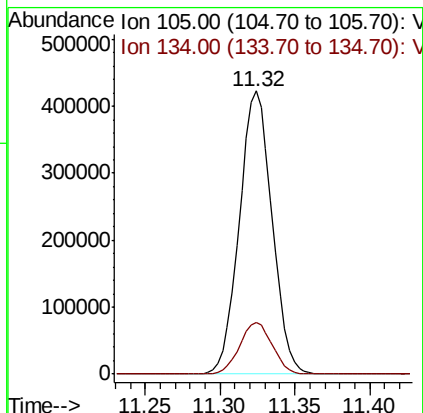
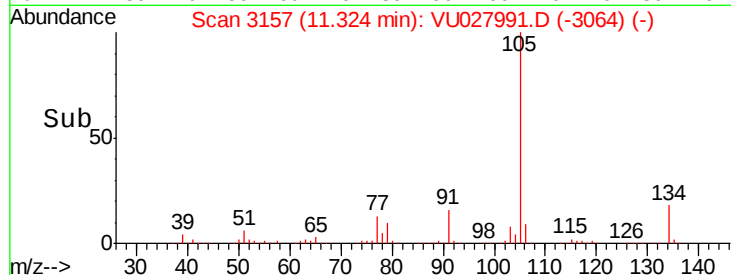
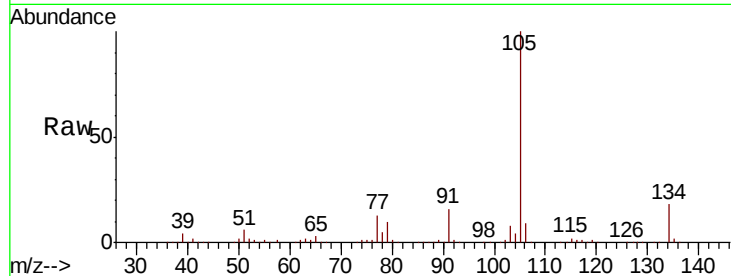
134 18.4 9.2 27.6

Manual Integrations

APPROVED

MMDadoda

11/8/2018 9:10:57 AM



#86

p-Isopropyltoluene

Concen: 51.271 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

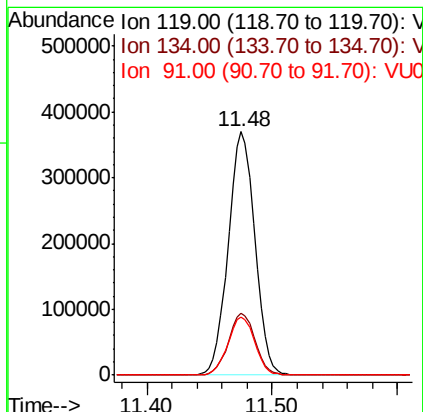
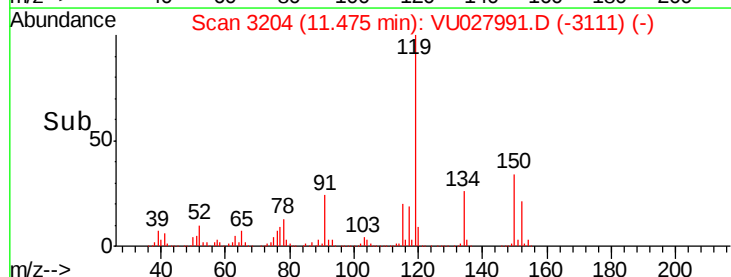
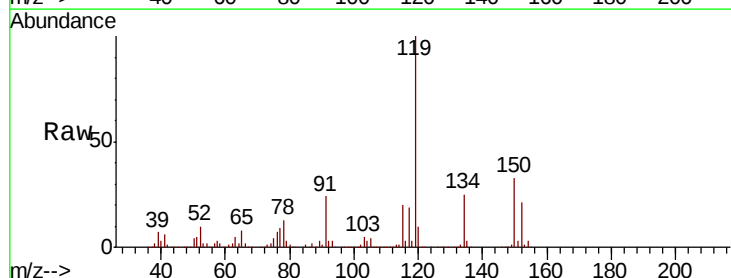
Tgt Ion:119 Resp: 543813

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.2 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.045 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

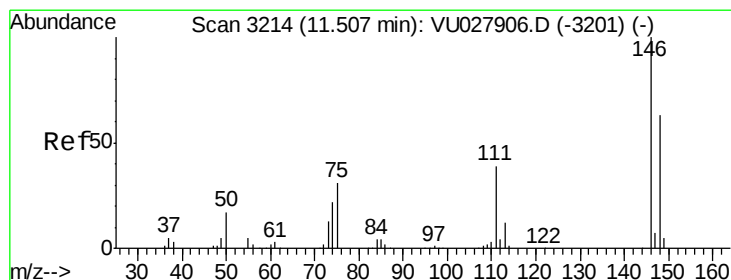
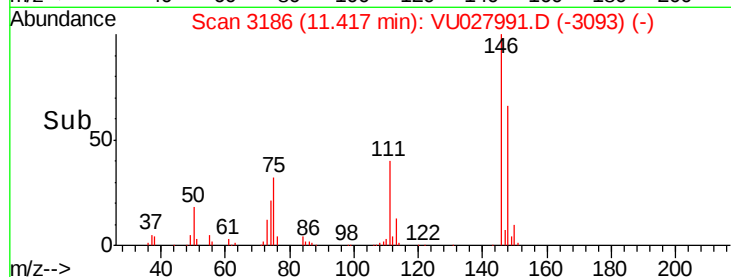
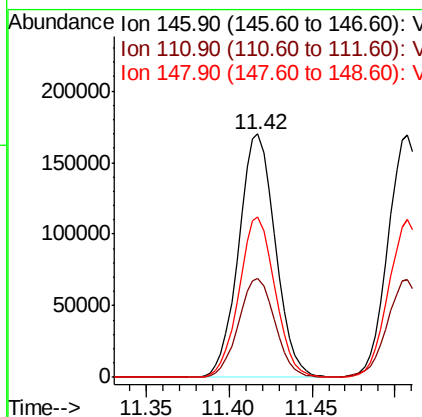
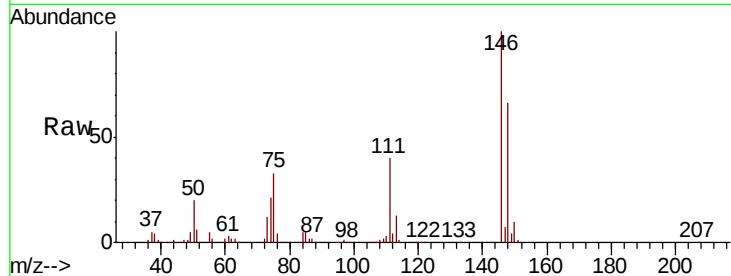
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	261709
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.3	61.0
148	64.7	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#88

1,4-Dichlorobenzene

Concen: 48.254 ug/l

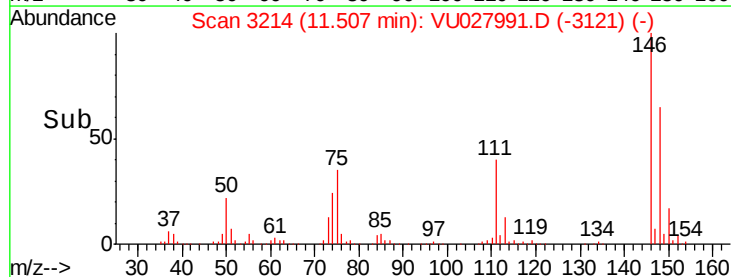
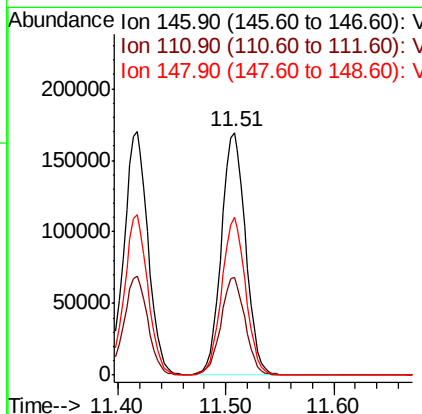
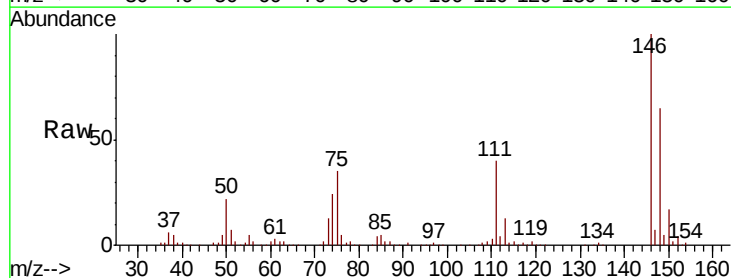
RT: 11.51 min Scan# 3214

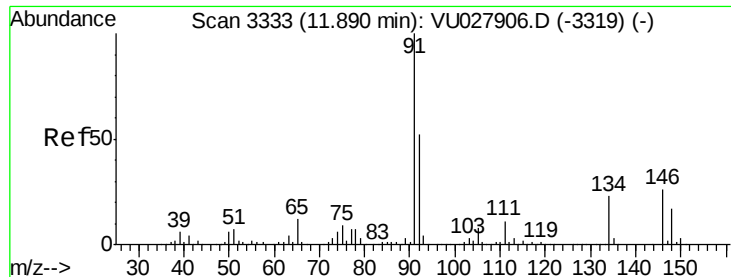
Delta R.T. -0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	146	Resp:	263916
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.3	60.9
148	64.3	32.0	96.2





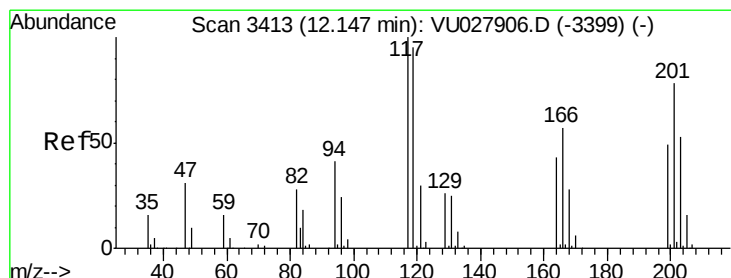
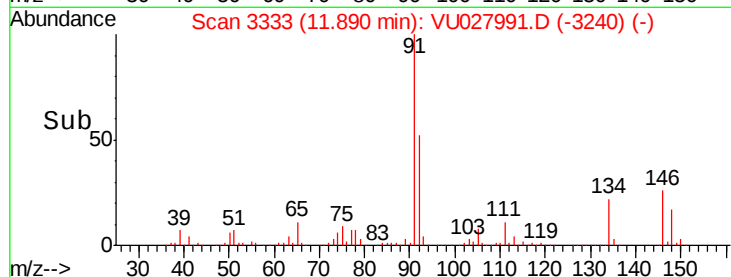
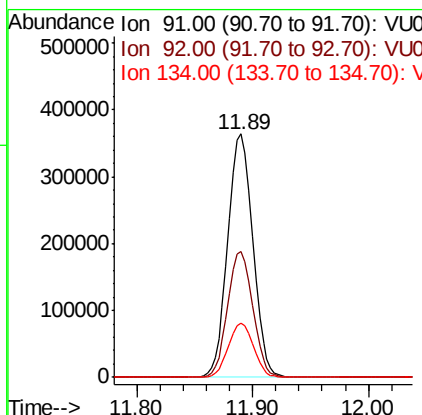
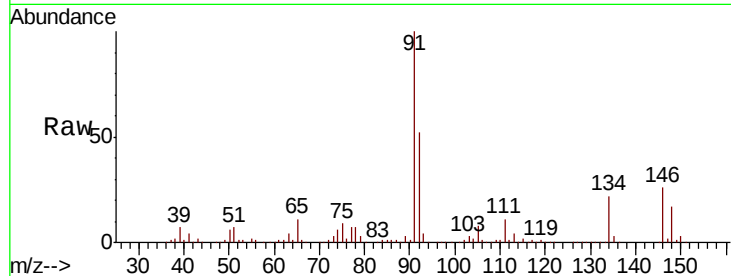
#89
n-Butylbenzene
Concen: 53.779 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	22.4	11.5	34.5

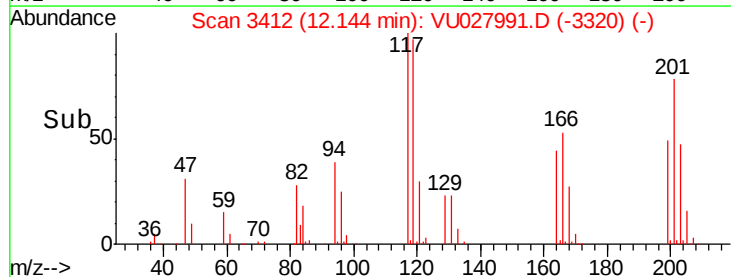
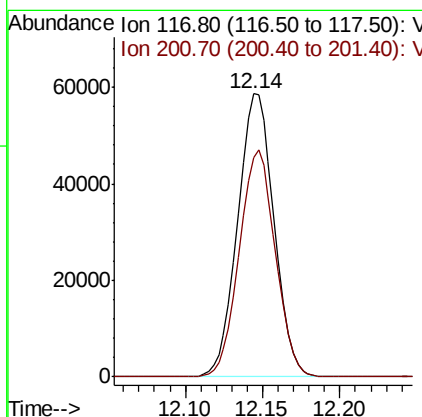
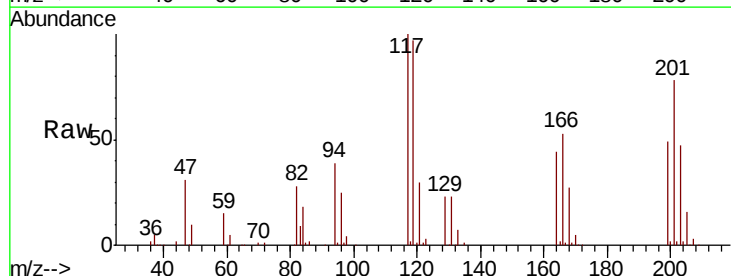
Manual Integrations
APPROVED

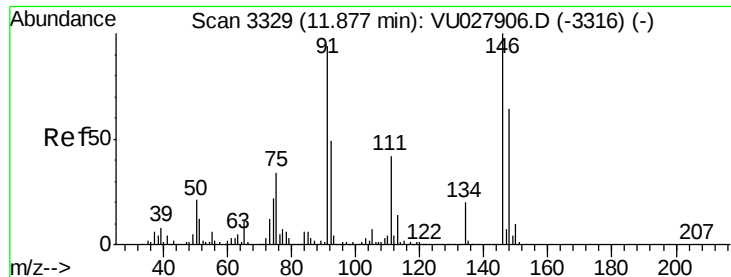
MMDadoda
11/8/2018 9:10:57 AM



#90
Hexachloroethane
Concen: 50.633 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027991.D
Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	38.5	115.5





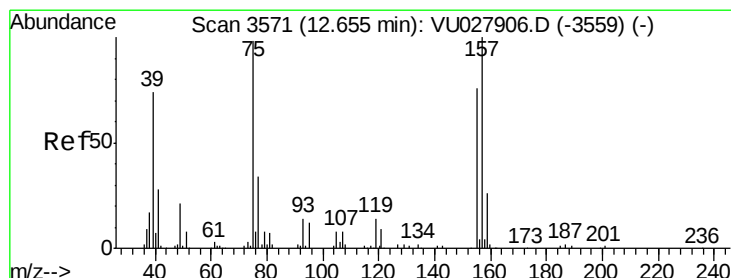
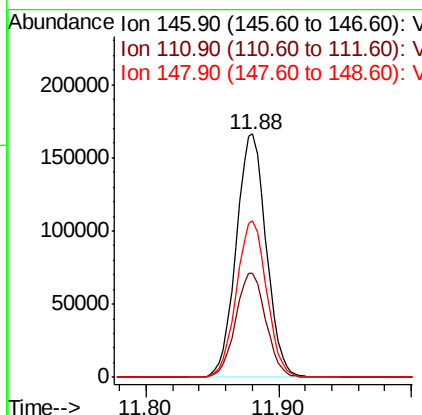
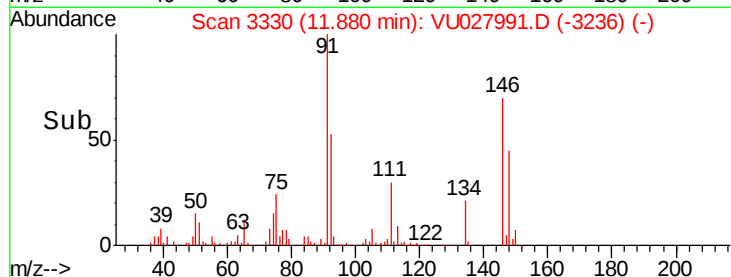
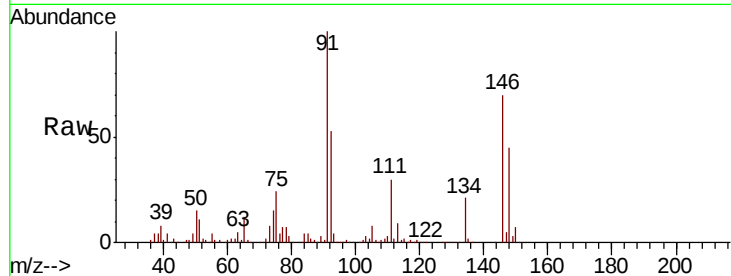
#91
 1,2-Dichlorobenzene
 Concen: 48.672 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	64.0
148	65.1	31.8	95.3

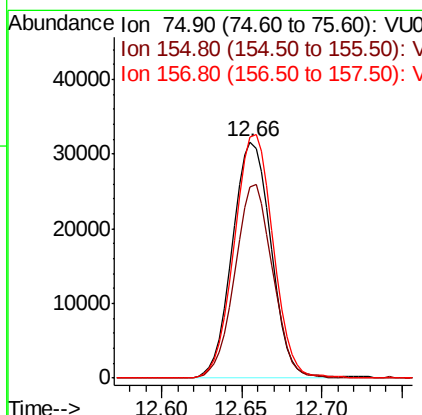
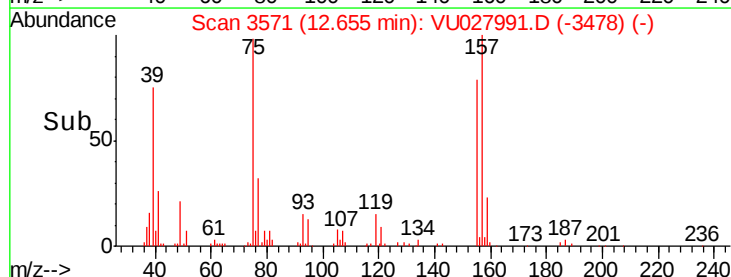
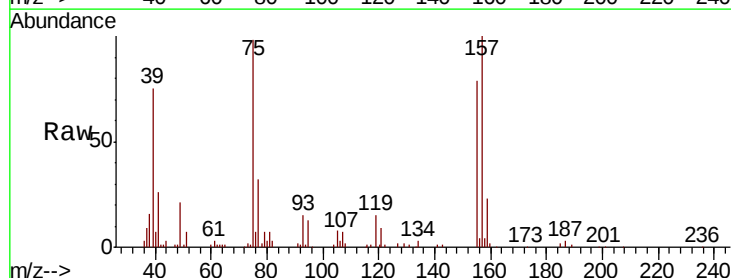
Manual Integrations
 APPROVED

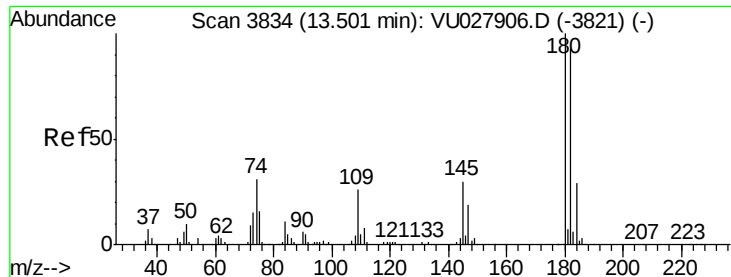
MMDadoda
 11/8/2018 9:10:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.639 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.8	119.3
157	103.8	50.6	151.9





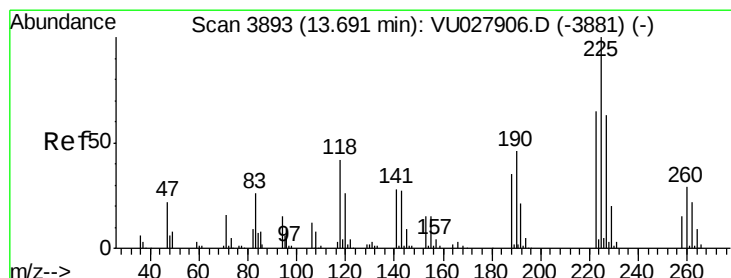
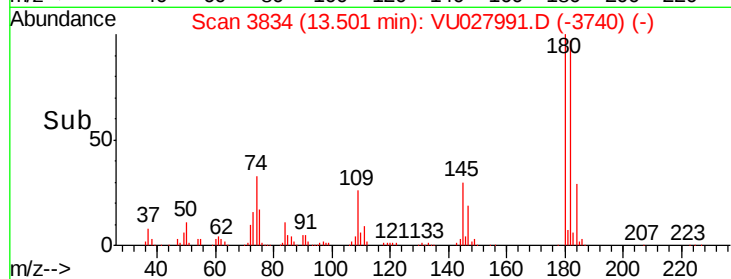
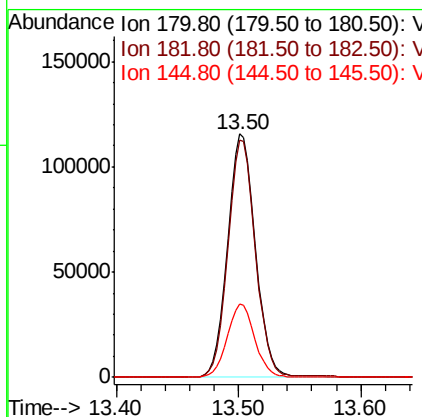
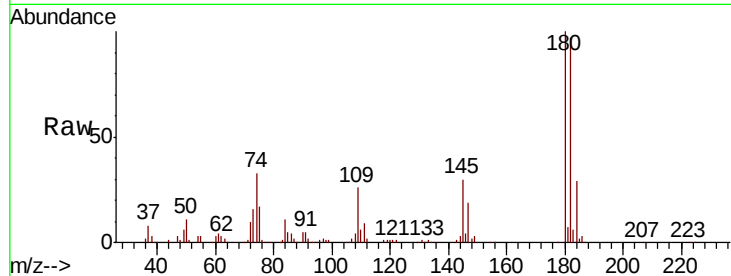
#93
 1,2,4-Trichlorobenzene
 Concen: 49.132 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184857		
182	96.0	48.4	145.2	
145	29.8	14.9	44.5	

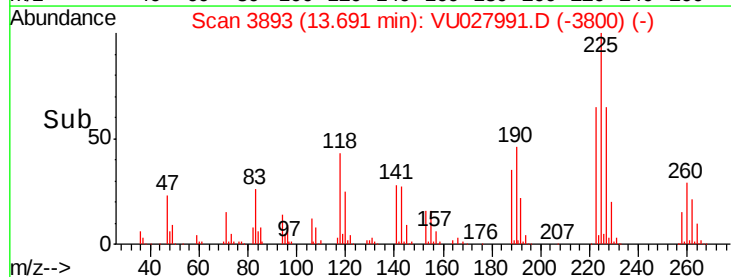
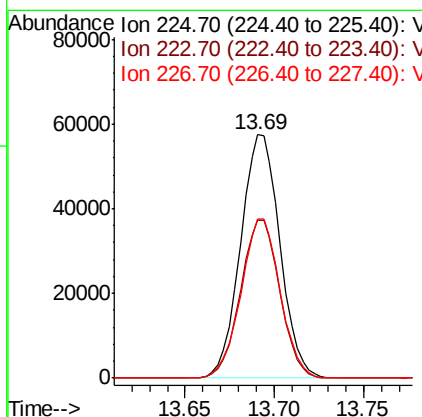
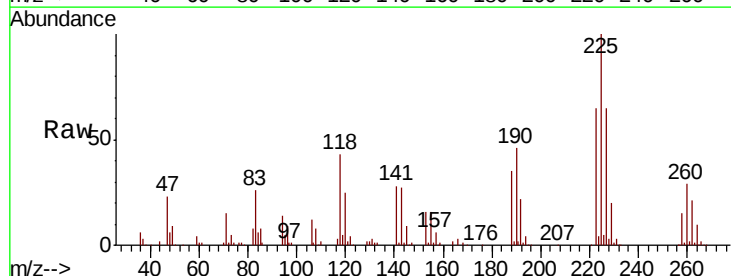
Manual Integrations
 APPROVED

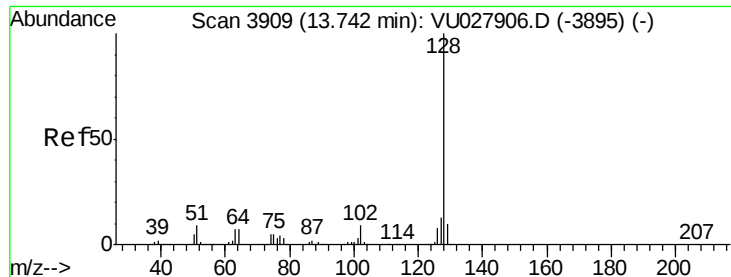
MMDadoda
 11/8/2018 9:10:57 AM



#94
 Hexachlorobutadiene
 Concen: 51.675 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027991.D
 Acq: 07 Nov 2018 08:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88130		
223	64.6	32.2	96.6	
227	65.0	32.5	97.4	





#95

Naphthalene

Concen: 47.481 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Instrument :

MSVOA_U

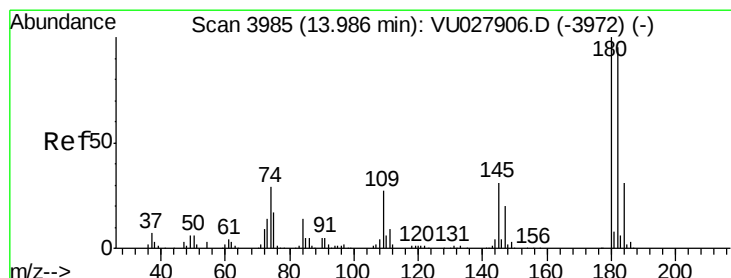
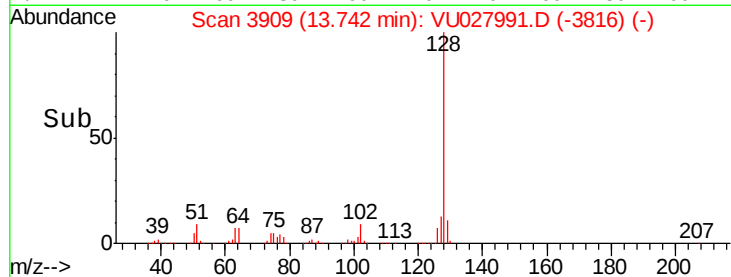
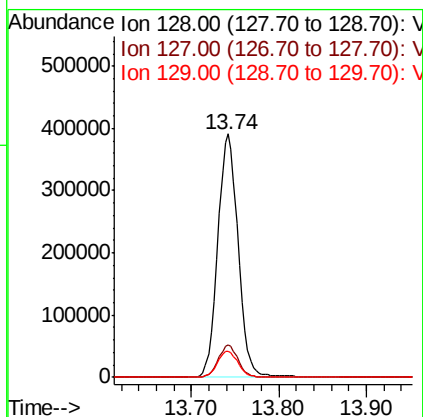
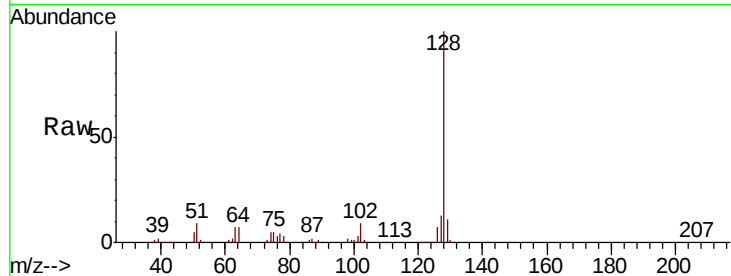
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	633461
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:10:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.481 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027991.D

Acq: 07 Nov 2018 08:59

Tgt Ion:	180	Resp:	188973
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.3
145	31.1	16.0	47.9

