

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080318\
 Data File : VU025817.D
 Acq On : 03 Aug 2018 14:15
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda

8/6/2018 5:38:54 PM

Quant Time: Aug 04 05:48:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	33681	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13625	1.09	ug/l	0.00
Spiked Amount	1.000		Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13559	0.98	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	117646	9.80	ug/l	98
3) Chloromethane	1.33	50	101989	8.98	ug/l	97
4) Vinyl Chloride	1.40	62	106495	10.13	ug/l	98
5) Bromomethane	1.63	94	49769	9.72	ug/l	99
6) Chloroethane	1.70	64	63305	10.04	ug/l	99
7) Trichlorofluoromethane	1.89	101	156454	10.21	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	86292	10.25	ug/l	99
9) 1,1-Dichloroethene	2.28	96	73458	9.89	ug/l	95
10) Iodomethane	2.41	142	57990	8.19	ug/l	96
11) Allyl Chloride	2.59	41	127140	10.24	ug/l	85
12) Acrylonitrile	2.94	53	31334	19.14	ug/l	94
13) Acetone	2.33	43	68167	47.88	ug/l	96
14) Carbon Disulfide	2.48	76	250099	9.85	ug/l	99
15) Methylene Chloride	2.70	84	81243	9.18	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	84870	10.19	ug/l	92
17) 1,1-Dichloroethane	3.45	63	163729	9.91	ug/l	99
18) 2-Butanone	4.29	43	124334	50.33	ug/l	99
19) Cyclohexane	4.99	56	131310	10.31	ug/l	87
20) Methylcyclohexane	6.42	83	156427	10.01	ug/l	94
21) 2,2-Dichloropropane	4.23	77	158349	10.06	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	105068	10.02	ug/l	96
23) Diethyl Ether	2.10	59	56773	10.09	ug/l	97
24) tert-Butyl Alcohol	2.85	59	64647	97.85	ug/l #	79
25) Methyl tert-Butyl Ether	3.01	73	198462	9.88	ug/l	98
26) Bromochloromethane	4.55	128	46442	10.06	ug/l	83
27) Chloroform	4.68	83	184958	10.19	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	166742	10.19	ug/l	98
29) 1,1-Dichloropropene	5.14	75	137327	10.23	ug/l	97
30) Carbon Tetrachloride	5.13	117	154614	10.40	ug/l	99
31) Isopropyl Ether	3.58	45	271142	10.25	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	253067	10.07	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	220468	9.93	ug/l	97
34) Propionitrile	4.35	54	33869	49.34	ug/l #	93
35) Benzene	5.39	78	387701	10.33	ug/l	99
36) 1,2-Dichloroethane	5.41	62	119118	10.34	ug/l	97
37) Trichloroethene	6.19	130	108769	9.84	ug/l	100
38) 1,2-Dichloropropane	6.44	63	99563	10.23	ug/l	98
39) Methacrylonitrile	4.56	41	31786	10.06	ug/l	93
40) Methyl acrylate	4.43	55	46421	9.74	ug/l #	95
41) Tetrahydrofuran	4.66	42	32214	17.25	ug/l	94
42) 1-Chlorobutane	5.07	56	188117	10.28	ug/l	99

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Manual Integrations
 APPROVED

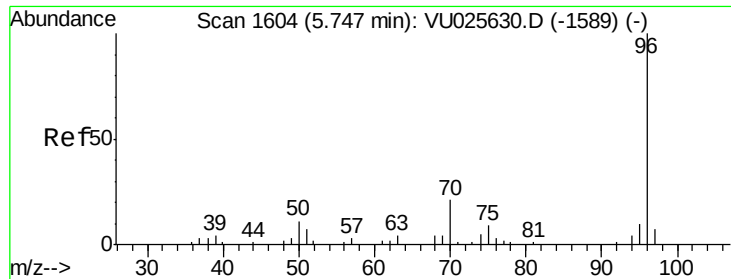
MMDadoda

8/6/2018 5:38:54 PM

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	52573	10.34	ug/l	99
44) Bromodichloromethane	6.76	83	135285	10.50	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	287844	50.78	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	42795m	17.92	ug/l	
47) Methyl methacrylate	6.63	69	87887	20.68	ug/l	94
48) Ethyl methacrylate	8.02	69	87273	10.22	ug/l	100
49) Toluene	7.64	92	242462	10.57	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	123297	10.60	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	143317	10.29	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	67938	9.97	ug/l	95
53) 1,3-Dichloropropane	8.25	76	120028	10.43	ug/l	99
54) 2-Hexanone	8.37	43	201379	50.30	ug/l	99
55) Dibromochloromethane	8.48	129	93003	10.73	ug/l	100
56) 1,2-Dibromoethane	8.59	107	68150	10.33	ug/l	99
58) Tetrachloroethene	8.23	164	106502	10.72	ug/l	99
59) Chlorobenzene	9.12	112	270534	10.26	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	103341	10.55	ug/l	99
61) Pentachloroethane	11.10	117	76160	10.19	ug/l	96
62) Hexachloroethane	12.15	117	80597	10.56	ug/l	98
63) Ethyl Benzene	9.25	91	465483	10.61	ug/l	98
64) m/p-Xylenes	9.38	106	372296	21.59	ug/l	97
65) o-Xylene	9.78	106	175838	10.70	ug/l	98
66) Styrene	9.80	104	299263	10.72	ug/l	99
67) Bromoform	9.96	173	53381	10.44	ug/l	97
69) Isopropylbenzene	10.17	105	468478	10.55	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	84614	9.88	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	55659	8.34	ug/l #	91
72) Bromobenzene	10.45	156	118113	10.25	ug/l	96
73) n-propylbenzene	10.59	120	135207	10.81	ug/l	94
74) 2-Chlorotoluene	10.66	126	117463	10.67	ug/l	88
75) 1,3,5-Trimethylbenzene	10.78	105	419973	10.83	ug/l	100
76) 4-Chlorotoluene	10.78	126	122740	10.60	ug/l	96
77) tert-Butylbenzene	11.10	119	401389	10.50	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	434120	10.97	ug/l	99
79) sec-Butylbenzene	11.33	105	536885	10.69	ug/l	98
80) Nitrobenzene	12.87	77	14950	57.36	ug/l	98
81) p-Isopropyltoluene	11.48	119	463263	10.88	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	245967	10.37	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	244191	10.56	ug/l	99
84) n-Butylbenzene	11.89	91	430117	10.76	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	224100	10.35	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	15369	10.88	ug/l	99
87) 1,2,4-Trichlorobenzene	13.51	180	157705	10.46	ug/l	99
88) Hexachlorobutadiene	13.70	225	89231	9.63	ug/l	99
89) Naphthalene	13.74	128	254855	10.42	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	145437	10.56	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

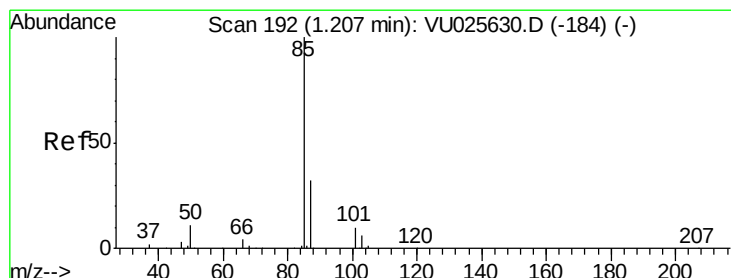
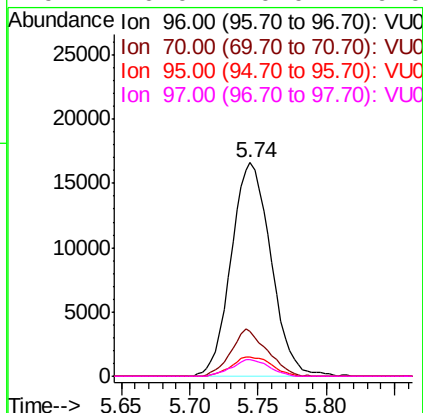
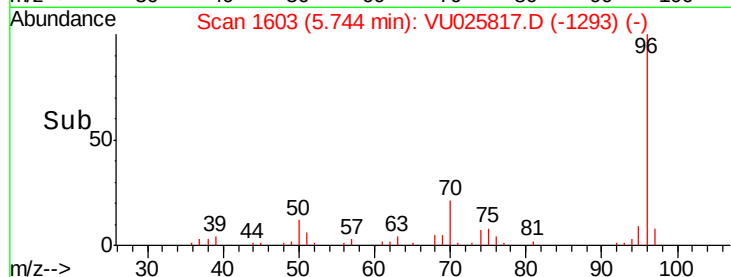
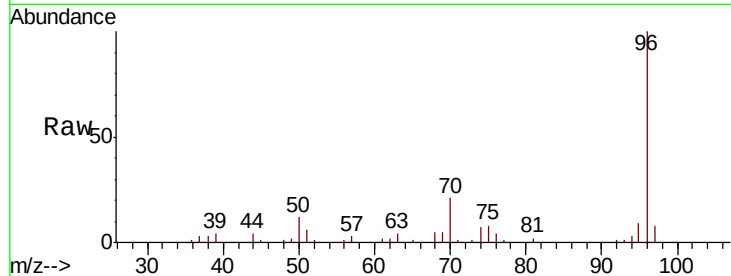
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	19.8	16.2	24.4	
95	9.1	6.9	10.3	
97	0.0	0.0	0.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 9.80 ug/l

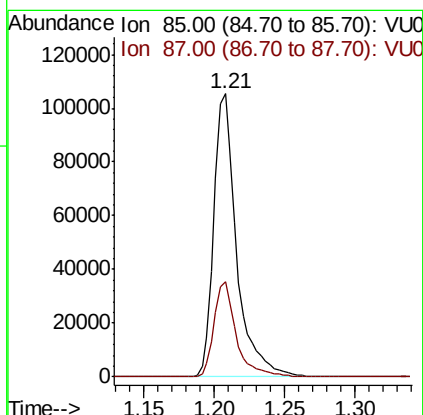
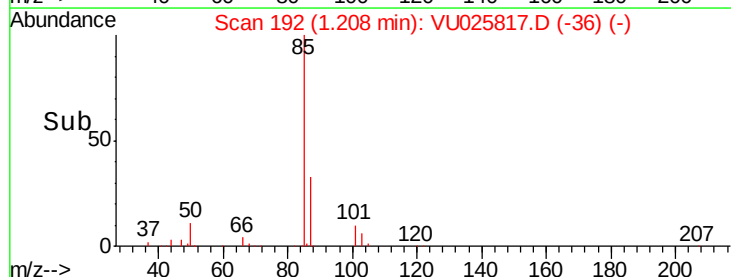
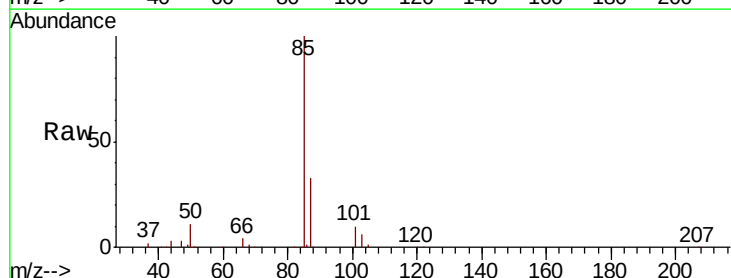
RT: 1.21 min Scan# 192

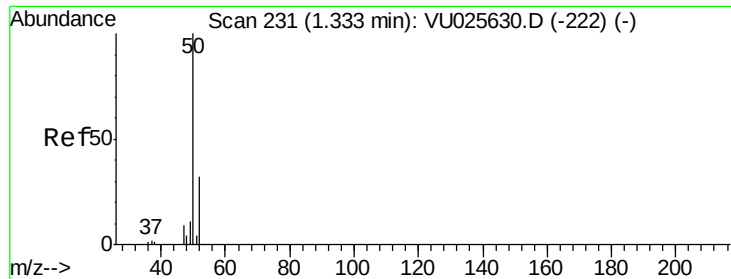
Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	33.5	16.2	48.5	





#3

Chloromethane

Concen: 8.98 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 101989

Ion Ratio Lower Upper

50 100

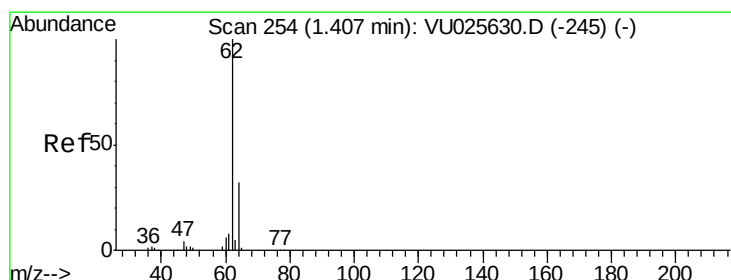
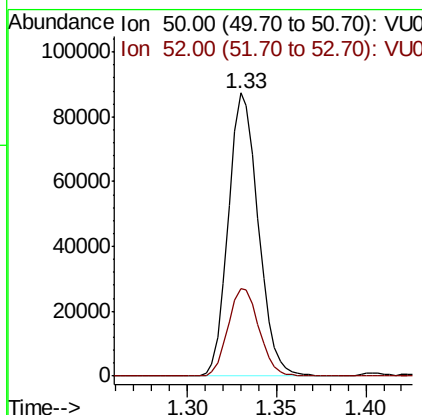
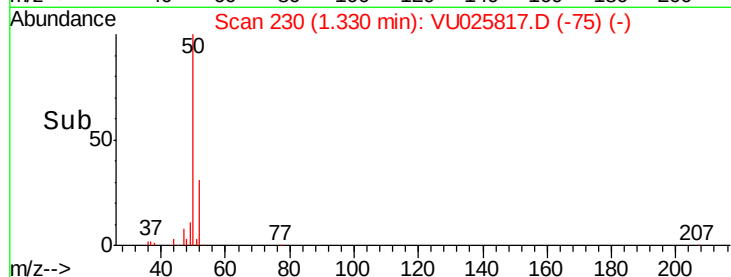
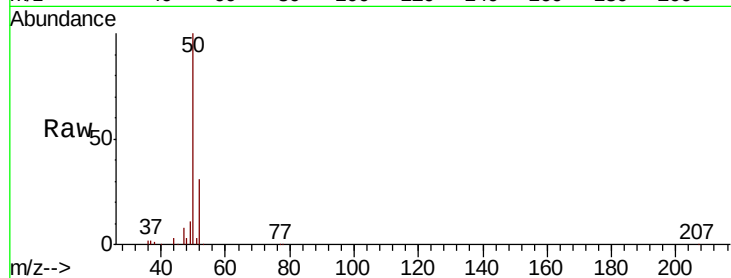
52 30.9 26.0 39.0

Manual Integrations

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8/6/2018 5:38:54 PM



#4

Vinyl Chloride

Concen: 10.13 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025817.D

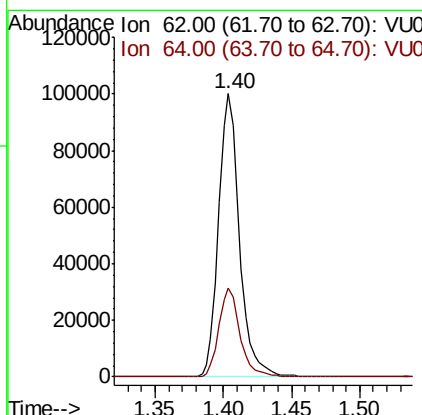
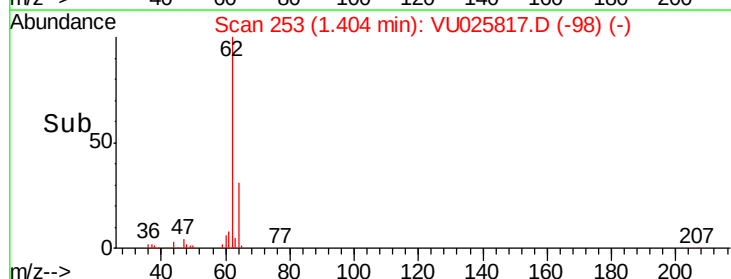
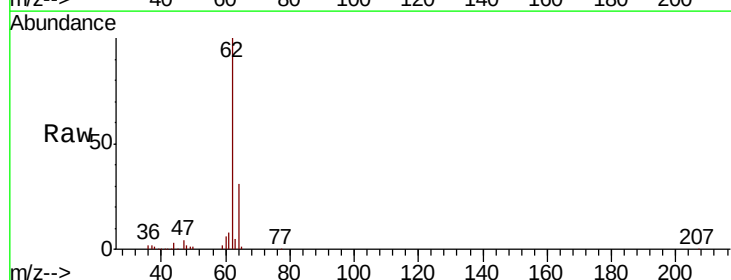
Acq: 03 Aug 2018 14:15

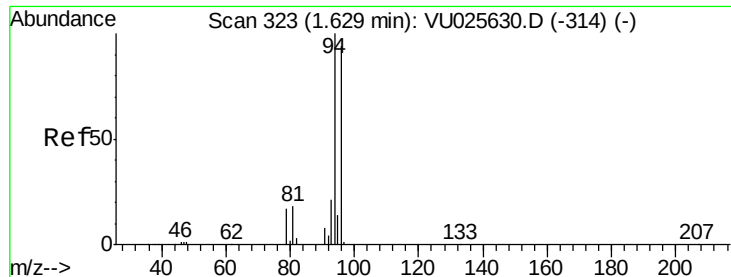
Tgt Ion: 62 Resp: 106495

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 9.72 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 49769

Ion Ratio Lower Upper

94 100

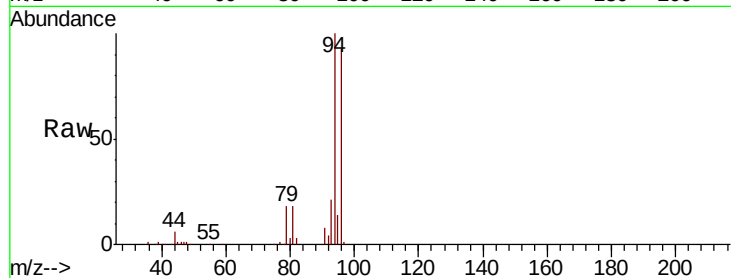
96 93.1 75.1 112.7

Manual Integrations

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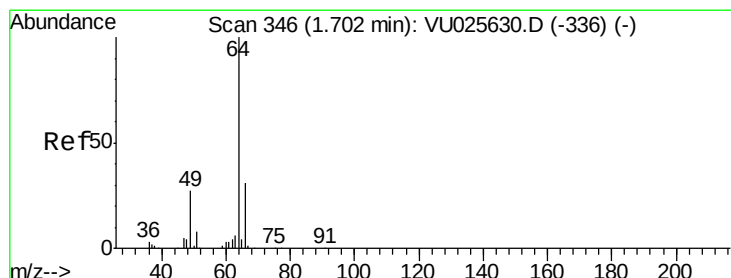
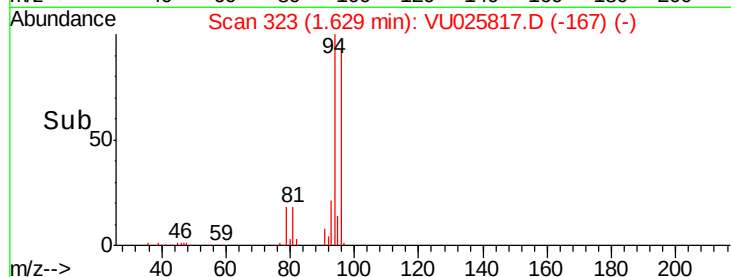
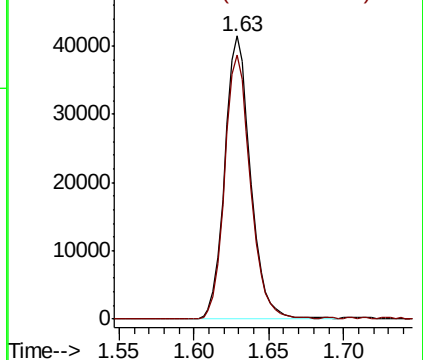
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8/6/2018 5:38:54 PM



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 10.04 ug/l

RT: 1.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU025817.D

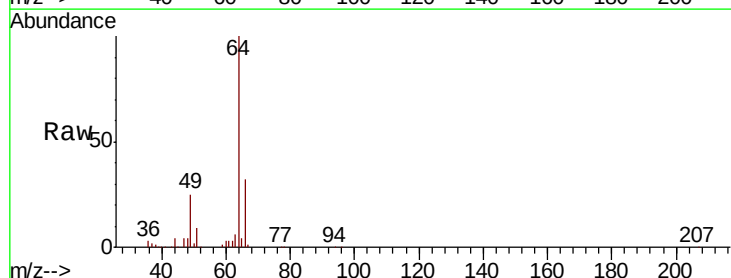
Acq: 03 Aug 2018 14:15

Tgt Ion: 64 Resp: 63305

Ion Ratio Lower Upper

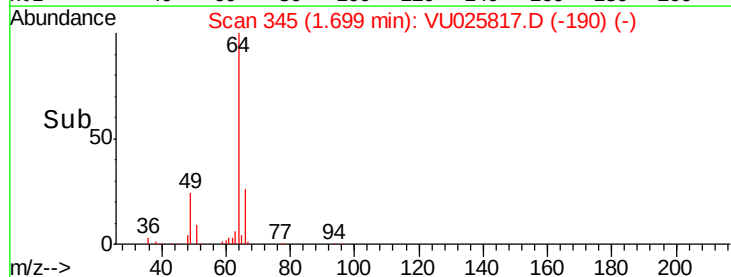
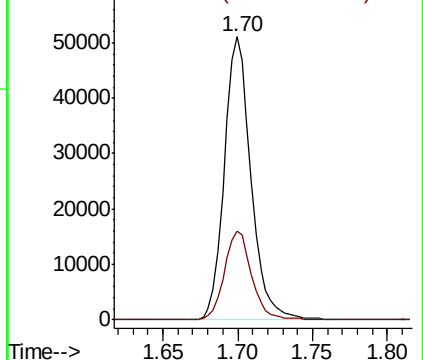
64 100

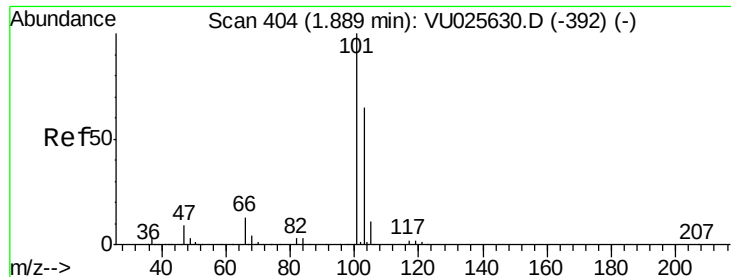
66 31.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane
Concen: 10.21 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

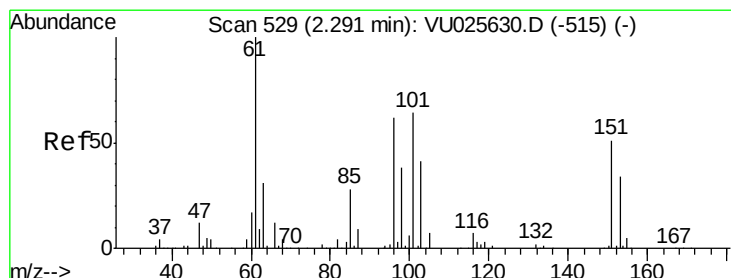
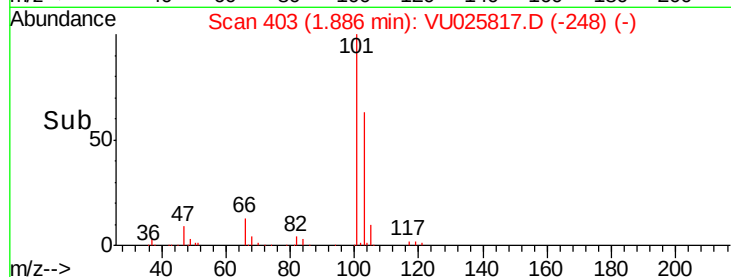
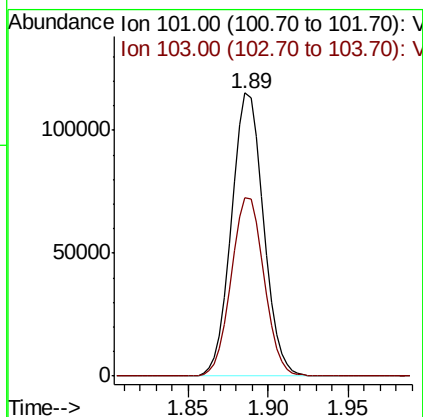
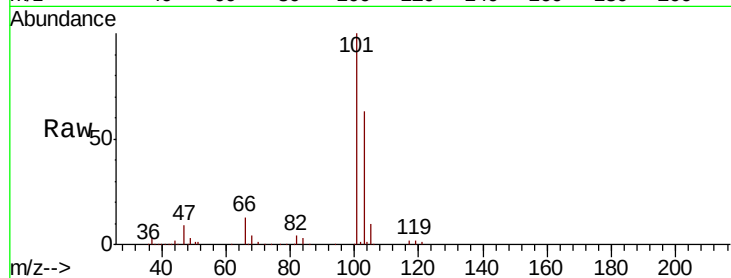
Instrument :
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VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	156454		
103	63.0	51.4	77.0	

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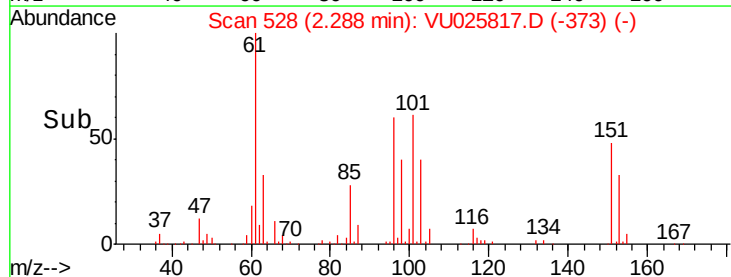
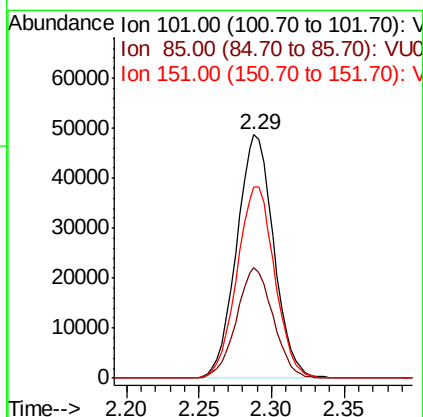
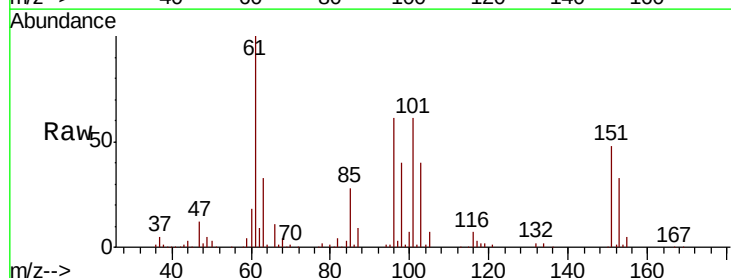
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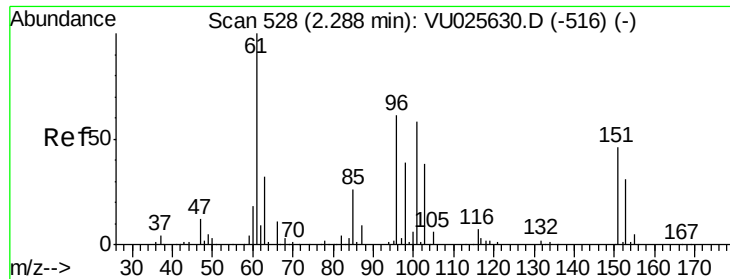


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.25 ug/l
RT: 2.29 min Scan# 528
Delta R.T. -0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	86292		
85	44.9	35.2	52.8	
151	79.8	63.5	95.3	





#9

1,1-Dichloroethene

Concen: 9.89 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

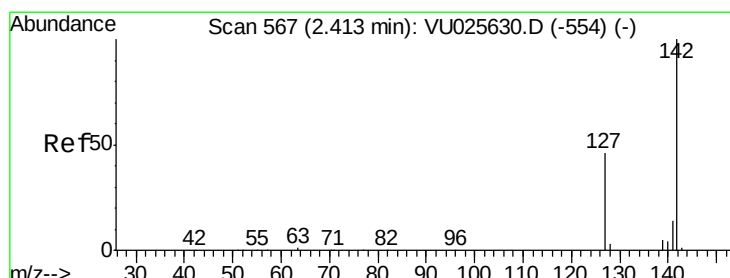
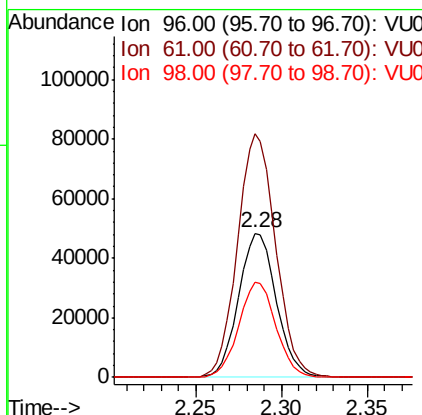
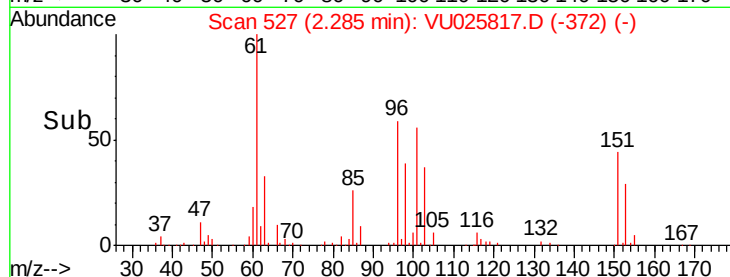
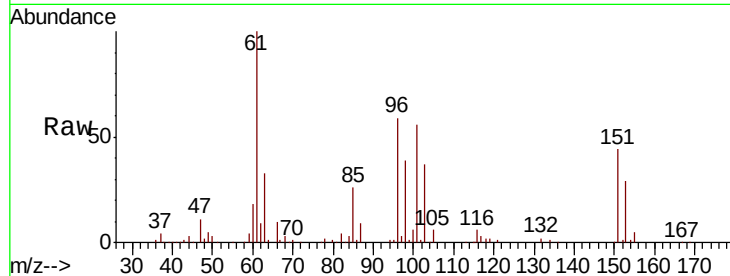
VSTDCCC010EC

Tot Ion:	96	Resp:	73458
Ion Ratio	Lower	Upper	
96	100		
61	168.8	0.0	526.5
98	66.1	0.0	123.4

Manual Integrations
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8/6/2018 5:38:54 PM



#10

Iodomethane

Concen: 8.19 ug/l

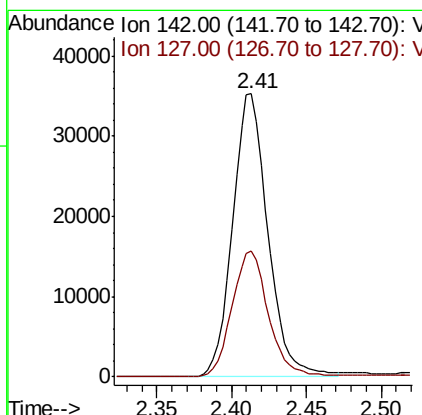
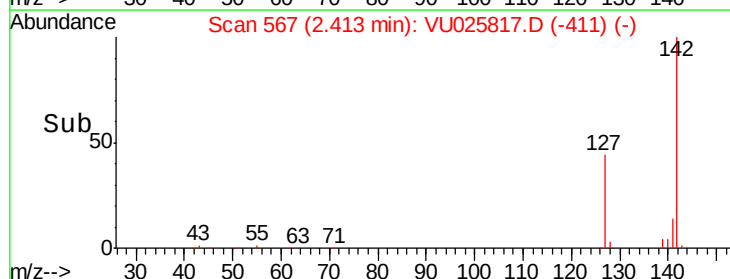
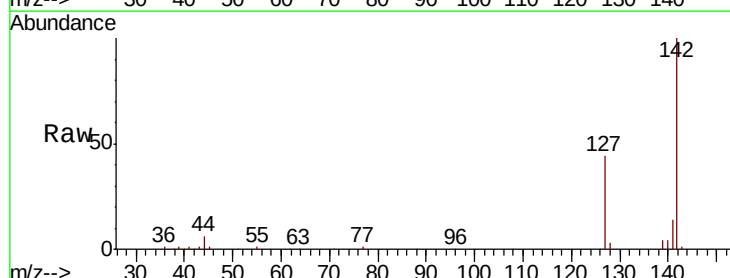
RT: 2.41 min Scan# 567

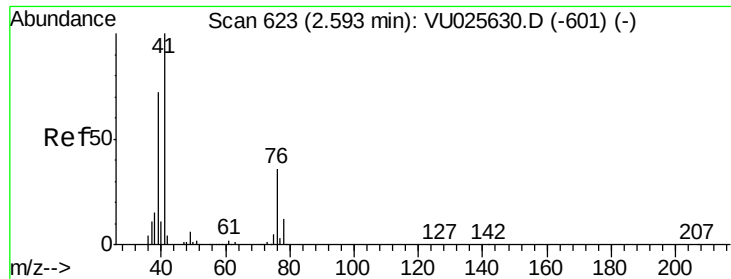
Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	142	Resp:	57990
Ion Ratio	Lower	Upper	
142	100		
127	45.6	34.5	51.7





#11
Allvl Chloride
Concen: 10.24 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

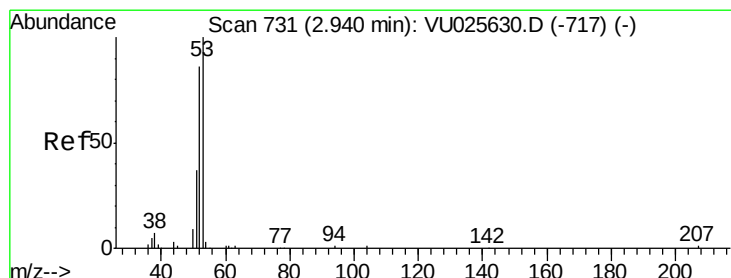
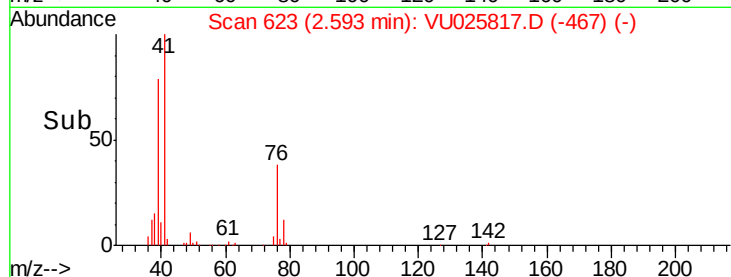
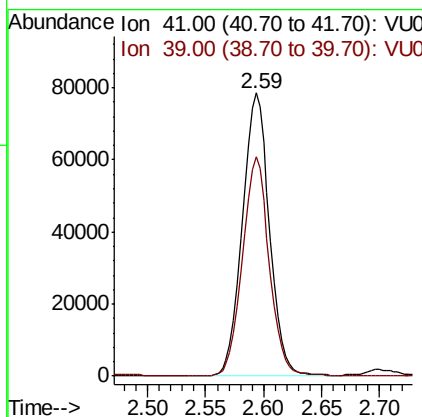
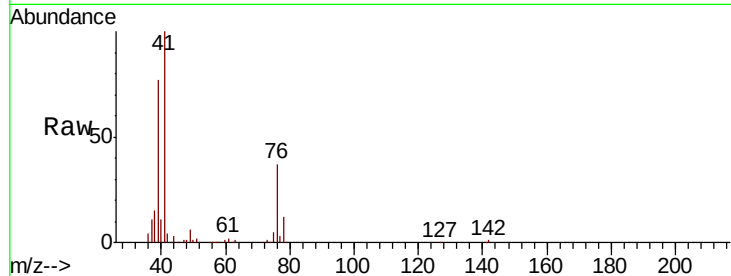
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41.00	Resp	127140
Ion Ratio	100	Lower	Upper
39	76.4	51.4	77.2

Manual Integrations
APPROVED

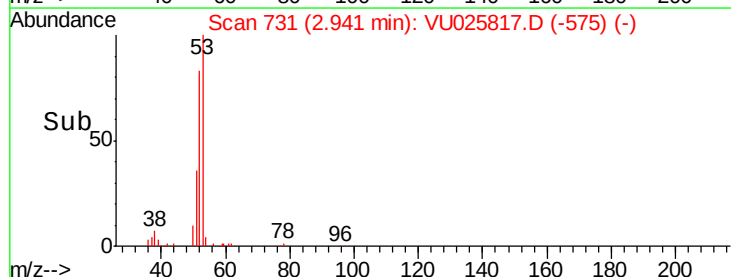
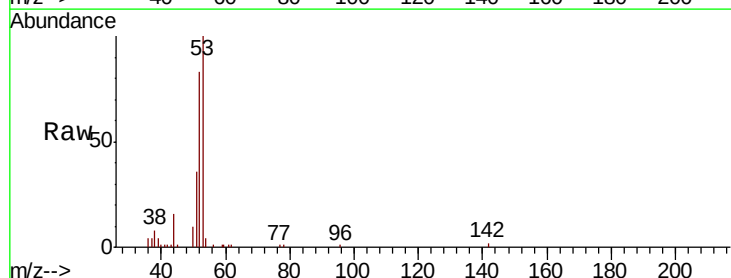
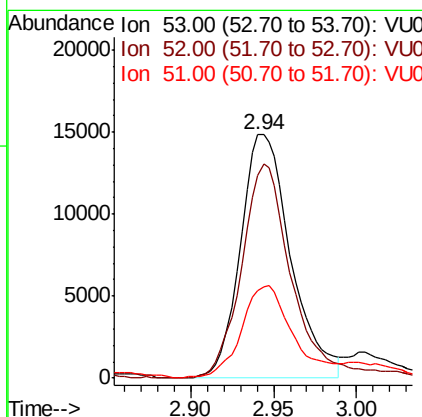
MMDadoda

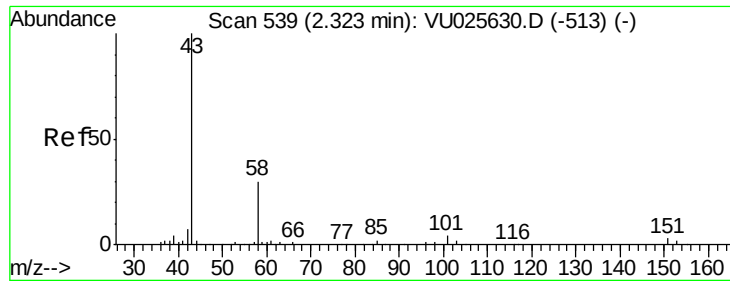
8/6/2018 5:38:54 PM



#12
Acrylonitrile
Concen: 19.14 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	53.00	Resp	31334
Ion Ratio	100	Lower	Upper
52	89.0	65.1	97.7
51	39.0	30.2	45.4





#13

Acetone

Concen: 47.88 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tot Ion: 43 Resp: 68167

Ion Ratio Lower Upper

43 100

58 30.2 26.0 39.0

Instrument :

MSVOA_U

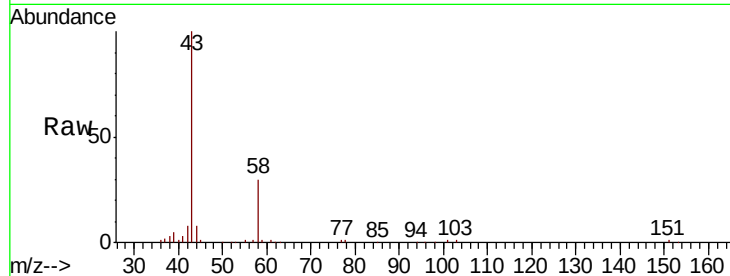
ClientSampleId :

VSTDCCC010EC

Manual Integrations
APPROVED

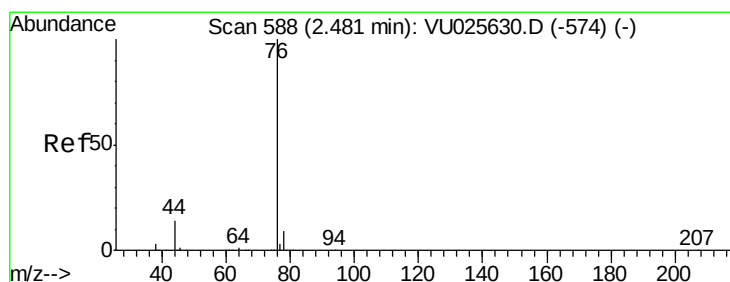
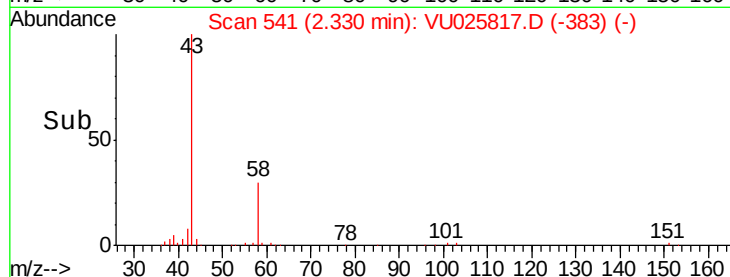
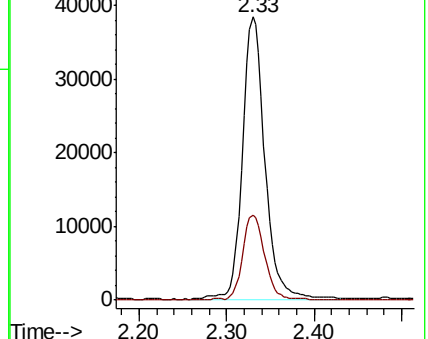
MMDadoda

8/6/2018 5:38:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 9.85 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025817.D

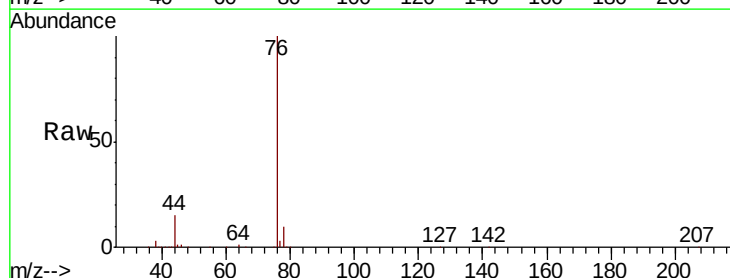
Acq: 03 Aug 2018 14:15

Tgt Ion: 76 Resp: 250099

Ion Ratio Lower Upper

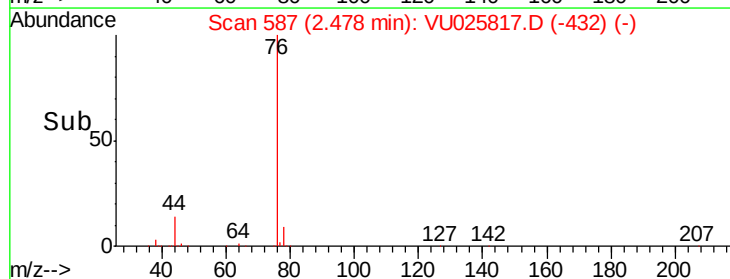
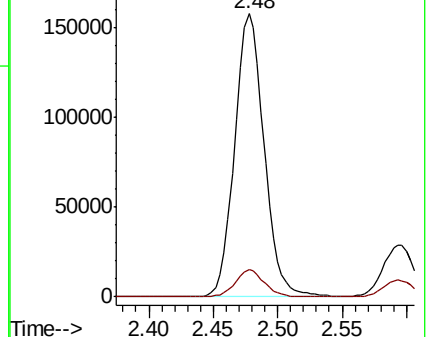
76 100

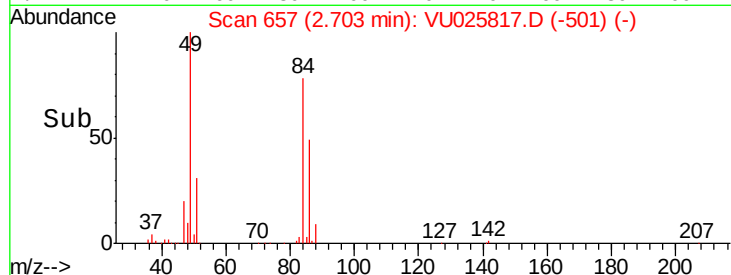
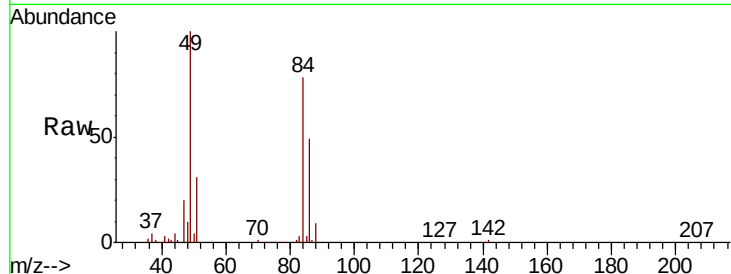
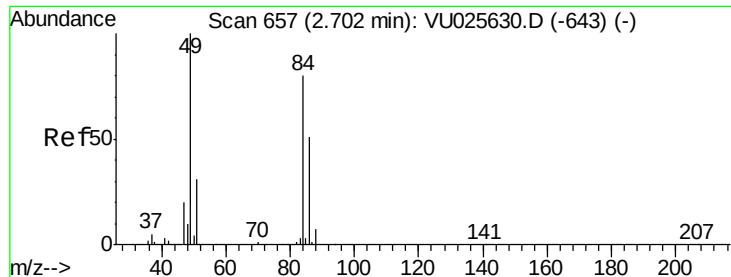
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15
Methvlene Chloride
Concen: 9.18 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

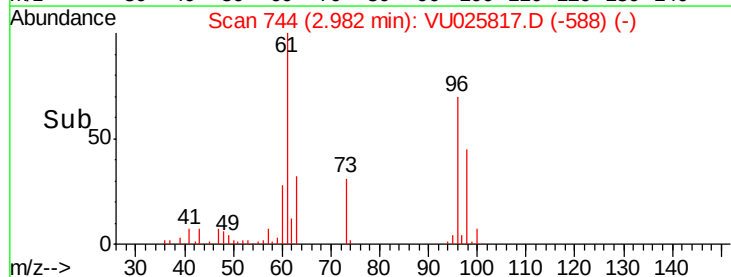
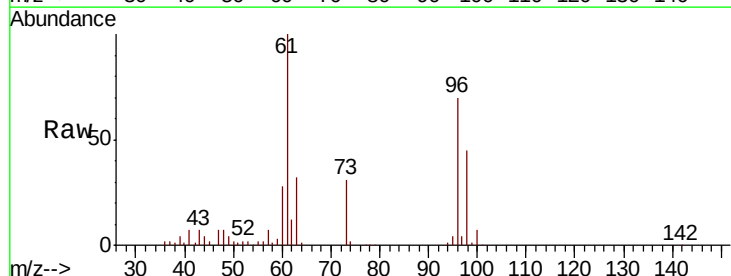
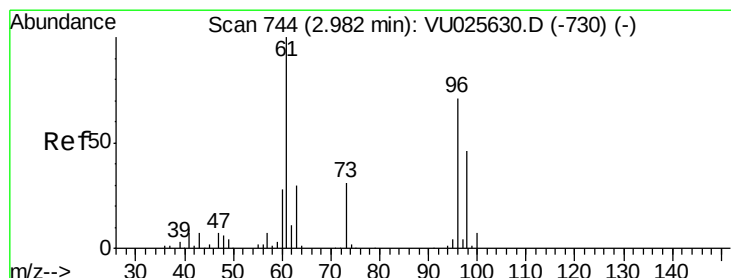
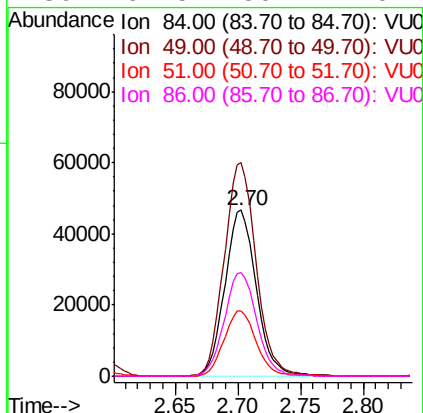
Tot Ion:	84	Resp:	81243
Ion	Ratio	Lower	Upper
84	100		
49	128.5	108.7	163.1
51	39.3	0.0	82.4
86	62.5	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

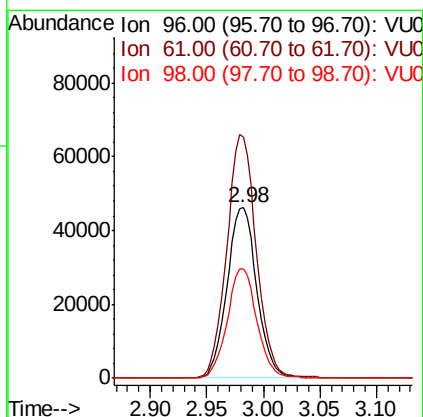
MMDadoda

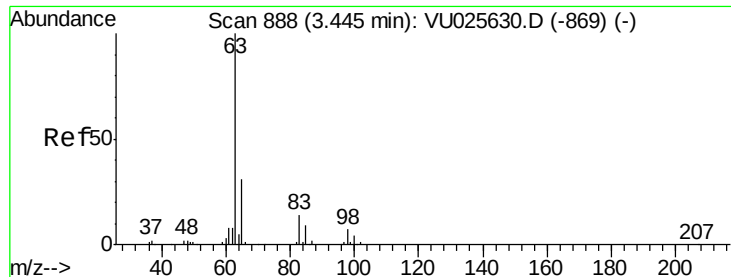
8/6/2018 5:38:54 PM



#16
trans-1,2-Dichloroethene
Concen: 10.19 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion:	96	Resp:	84870
Ion	Ratio	Lower	Upper
96	100		
61	141.9	123.9	185.9
98	64.3	50.6	76.0





#17

1,1-Dichloroethane

Concen: 9.91 ug/l

RT: 3.45 min Scan# 888

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

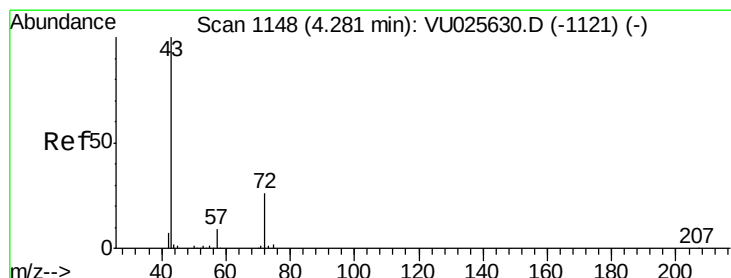
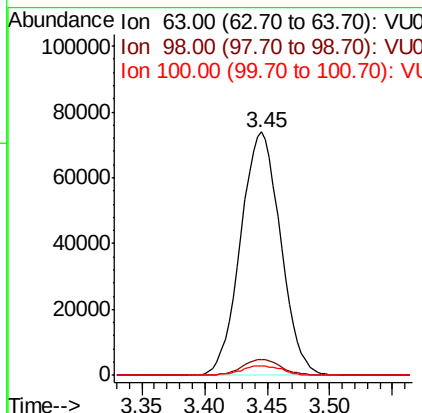
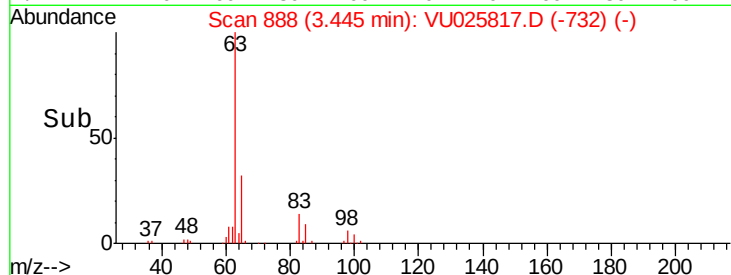
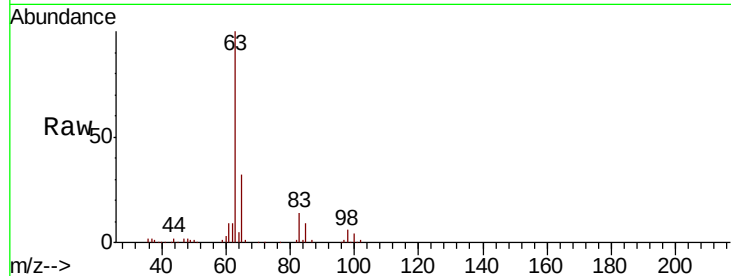
VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	163729		
98	6.5		2.9	8.8
100	3.9		2.0	5.8

Manual Integrations
APPROVED

MMDadoda

8/6/2018 5:38:54 PM



#18

2-Butanone

Concen: 50.33 ug/l

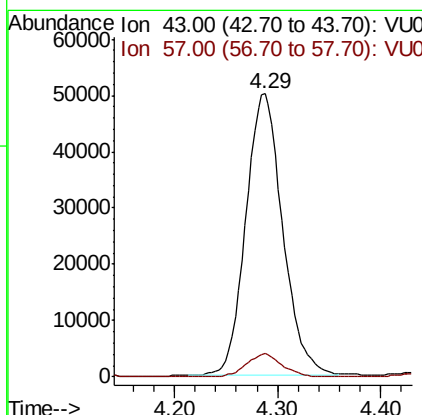
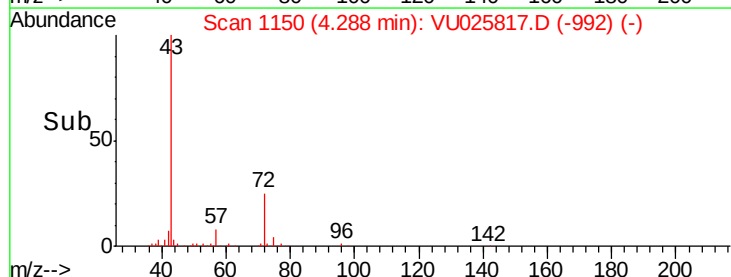
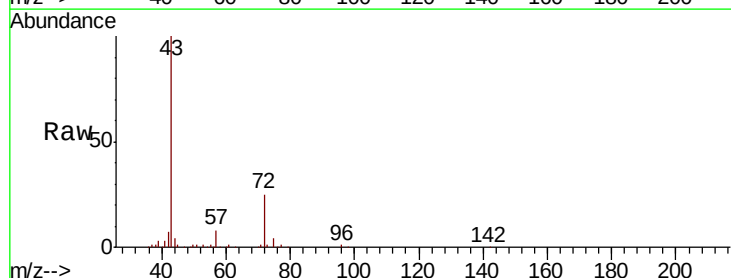
RT: 4.29 min Scan# 1150

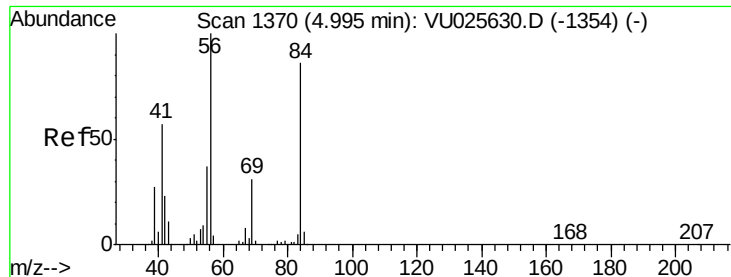
Delta R.T. 0.01 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	124334		
57	8.2		0.0	15.8





#19
Cyclohexane
Concen: 10.31 ug/l
RT: 4.99 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

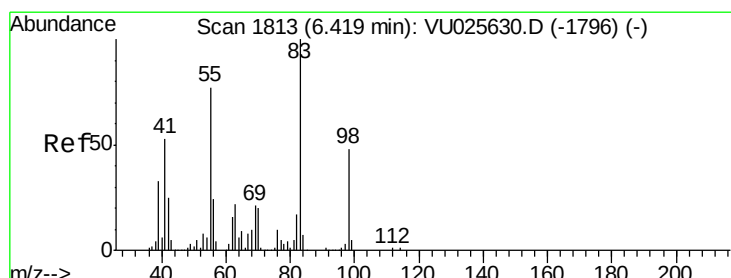
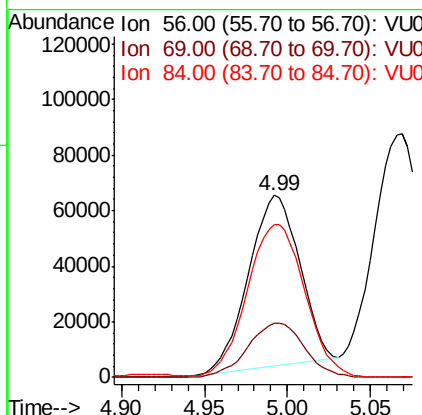
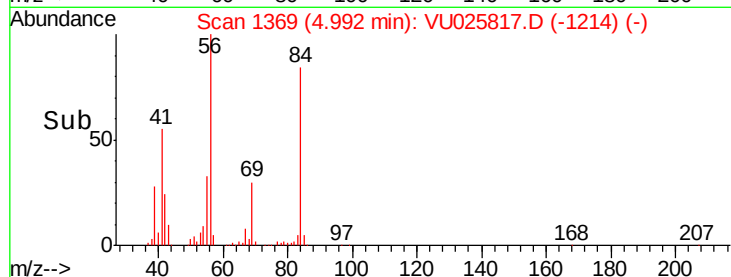
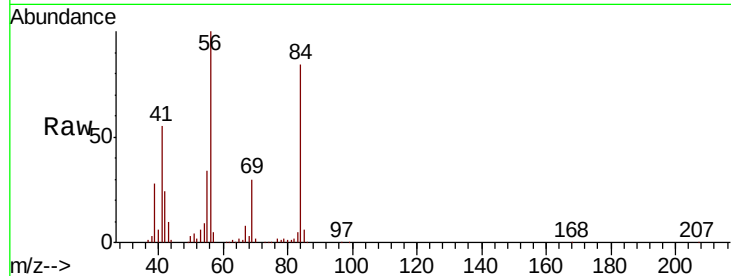
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.0	39.0
84	100.4	68.3	102.5

Manual Integrations
APPROVED

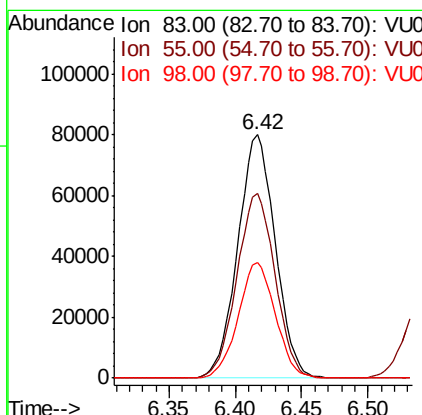
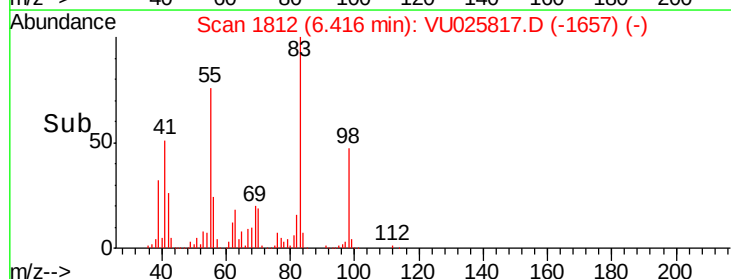
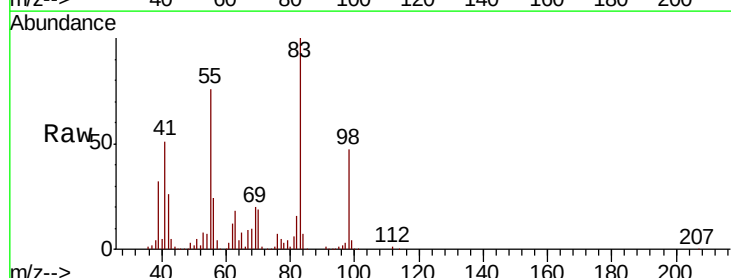
MMDadoda

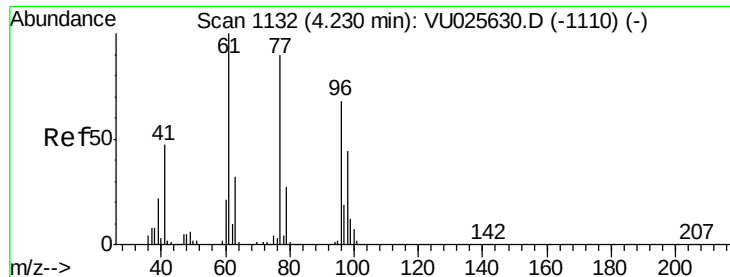
8/6/2018 5:38:54 PM



#20
Methylcyclohexane
Concen: 10.01 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.0	66.4	99.6
98	47.1	35.4	53.2





#21
 2,2-Dichloropropane
 Concen: 10.06 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

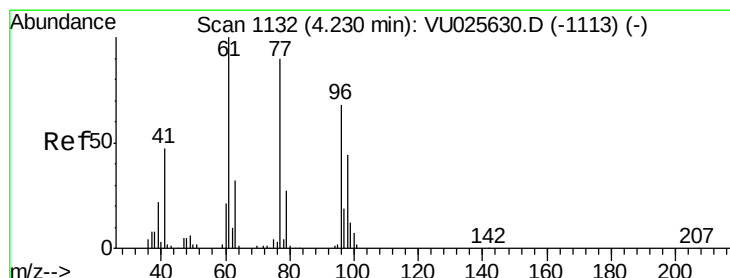
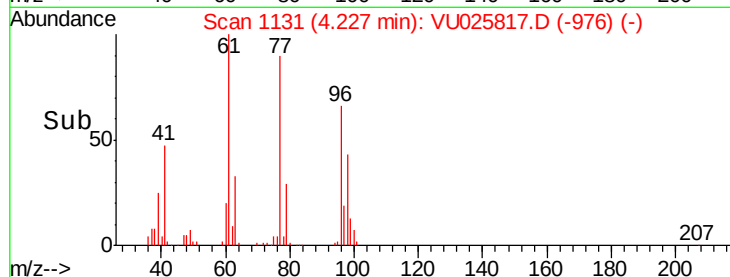
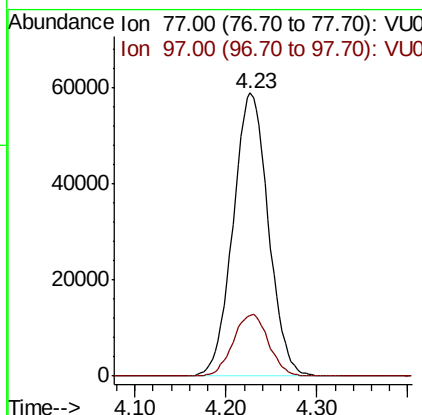
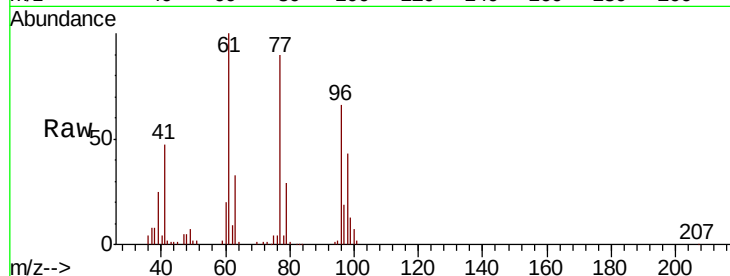
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.9	17.9	26.9

Manual Integrations
 APPROVED

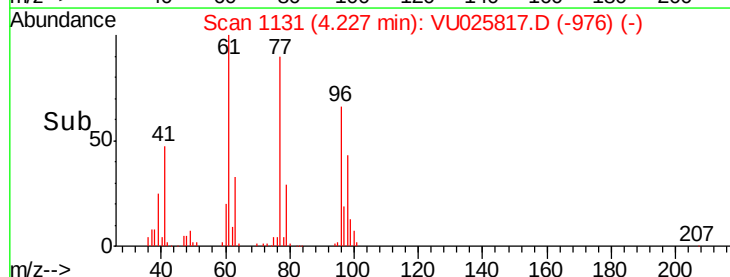
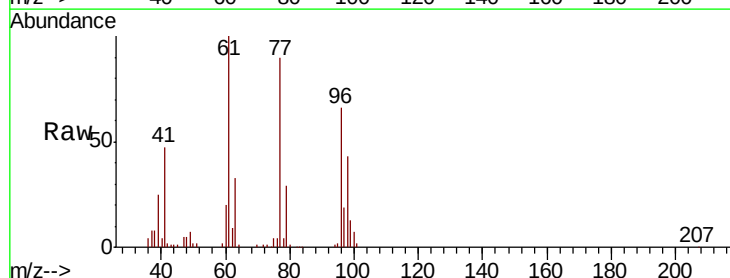
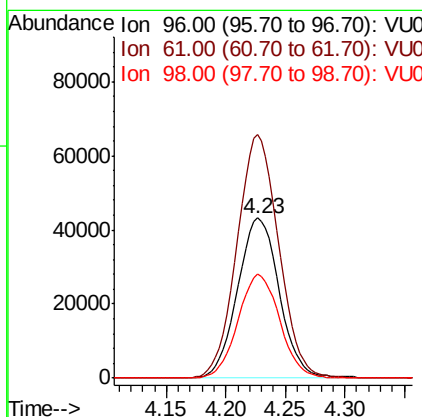
MMDadoda

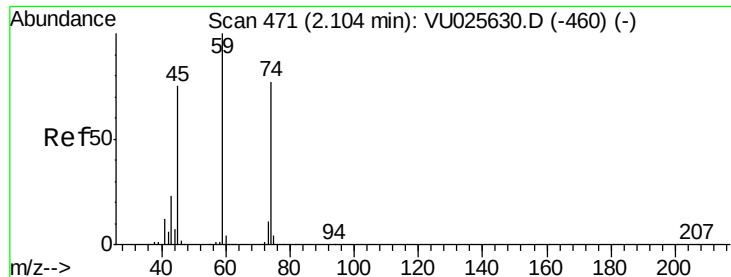
8/6/2018 5:38:54 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.02 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	400.5
98	65.0	32.2	96.6





#23

Diethyl Ether

Concen: 10.09 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

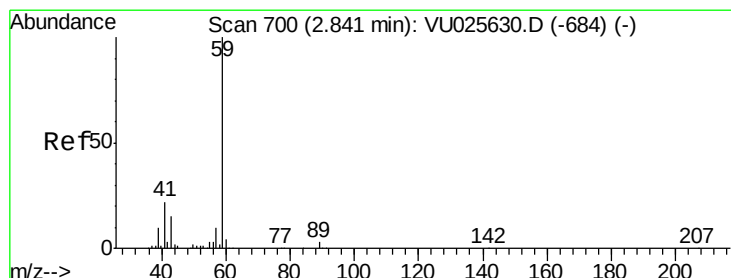
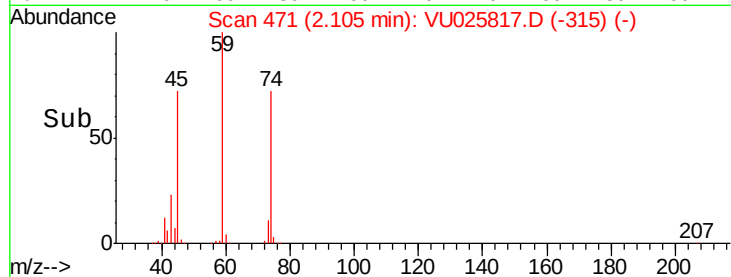
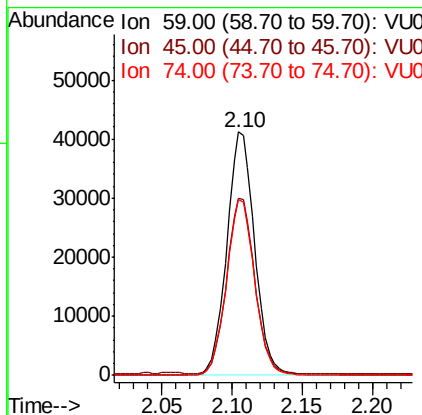
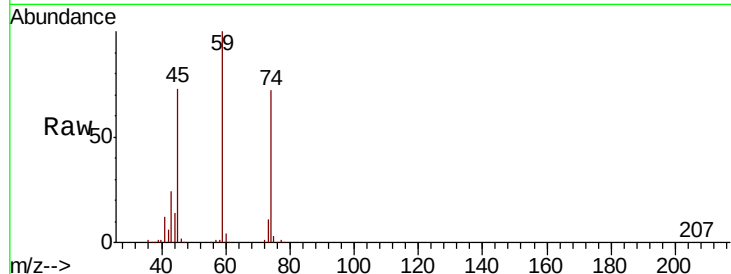
VSTDCCC010EC

Tot Ion:	59	Resp:	56773
Ion	Ratio	Lower	Upper
59	100		
45	72.8	60.0	90.0
74	73.2	56.5	84.7

Manual Integrations
APPROVED

MMDadoda

8/6/2018 5:38:54 PM



#24

tert-Butyl Alcohol

Concen: 97.85 ug/l

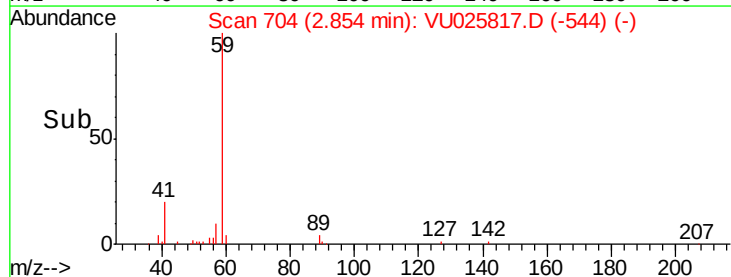
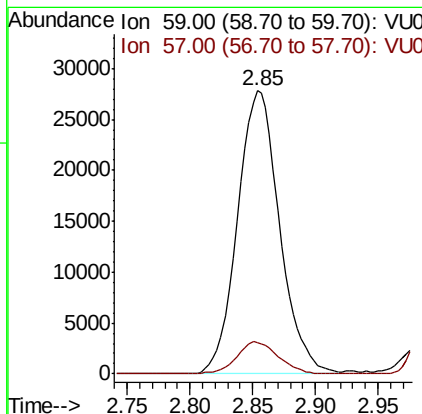
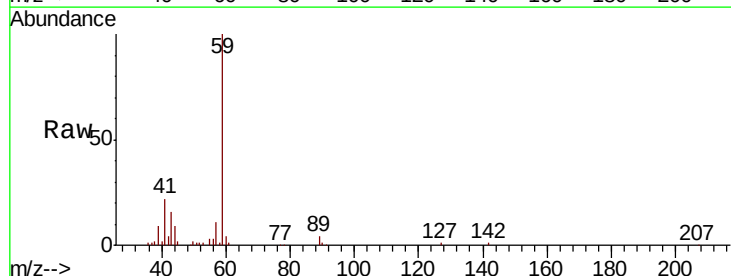
RT: 2.85 min Scan# 704

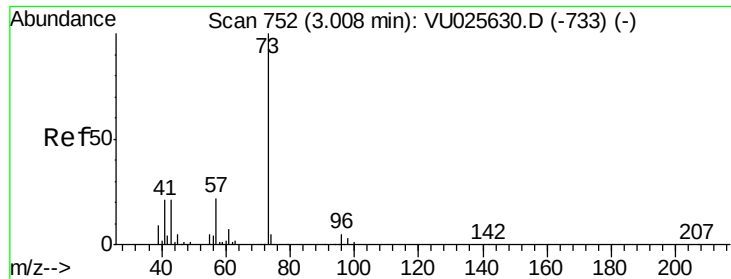
Delta R.T. 0.01 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	59	Resp:	64647
Ion	Ratio	Lower	Upper
59	100		
57	11.1	3.4	5.2#





#25
Methyl tert-Butyl Ether
Concen: 9.88 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

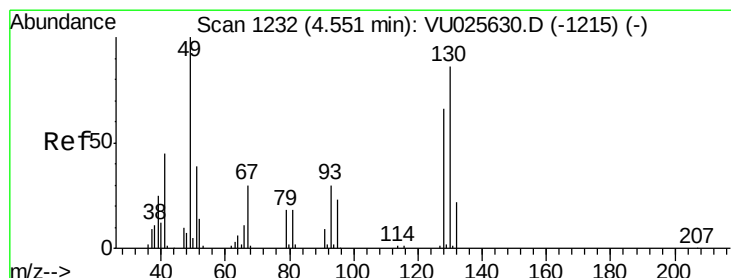
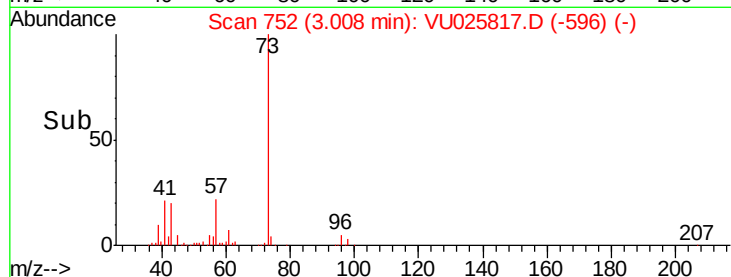
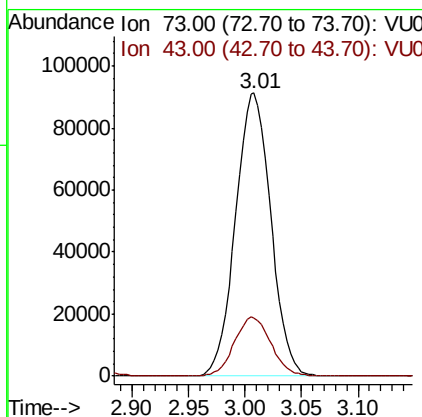
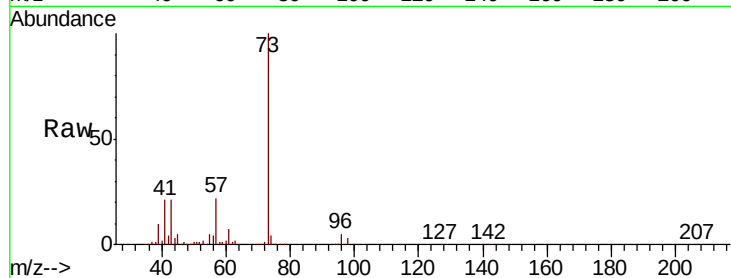
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.1	16.2	24.2

Manual Integrations
APPROVED

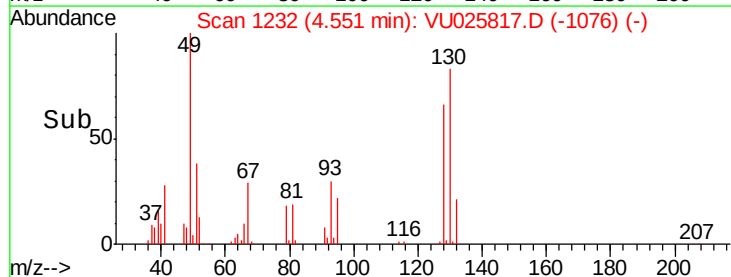
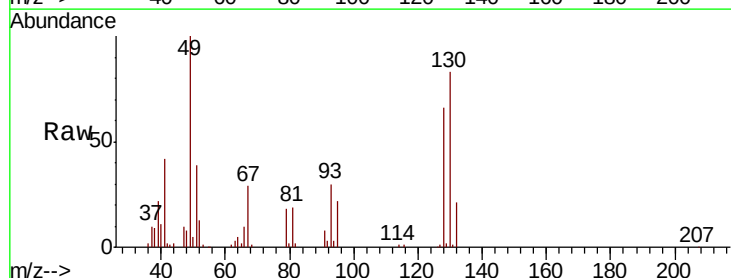
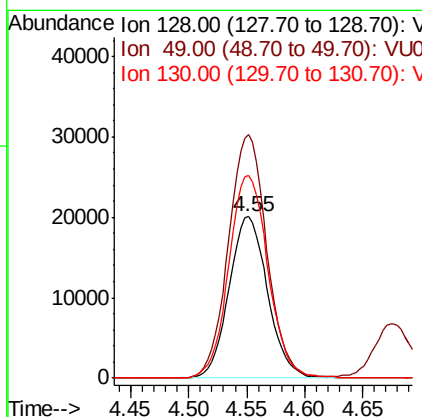
MMDadoda

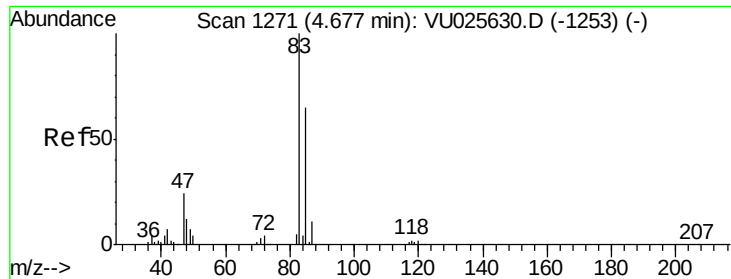
8/6/2018 5:38:54 PM



#26
Bromochloromethane
Concen: 10.06 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	149.7	0.0	375.2
130	127.8	105.8	158.6





#27

Chloroform

Concen: 10.19 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 184958

Ion Ratio Lower Upper

83 100

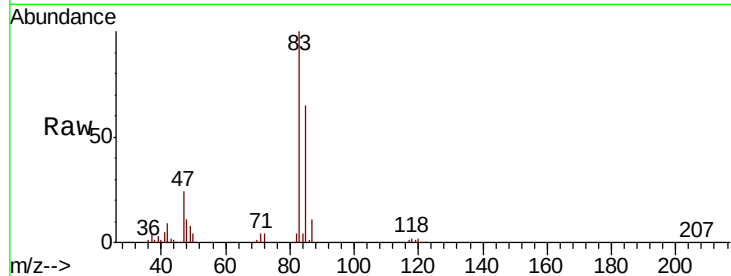
85 64.6 0.0 128.4

Manual Integrations

APPROVED

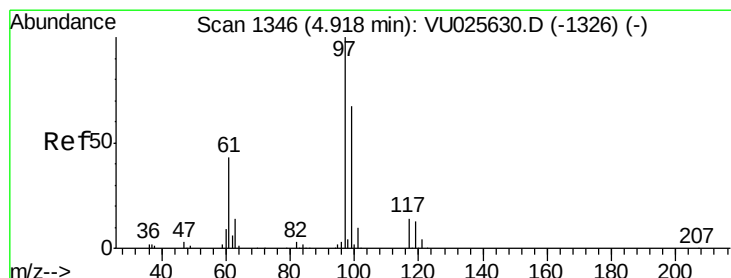
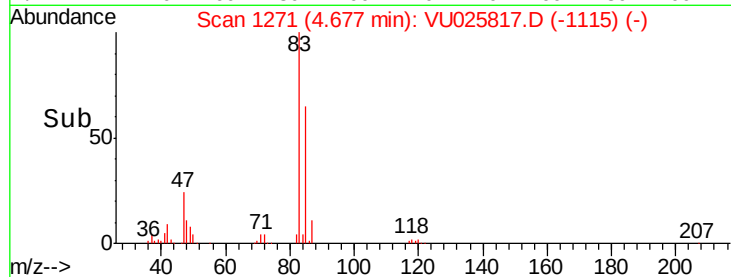
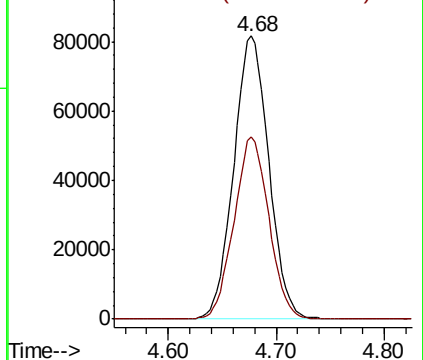
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 10.19 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

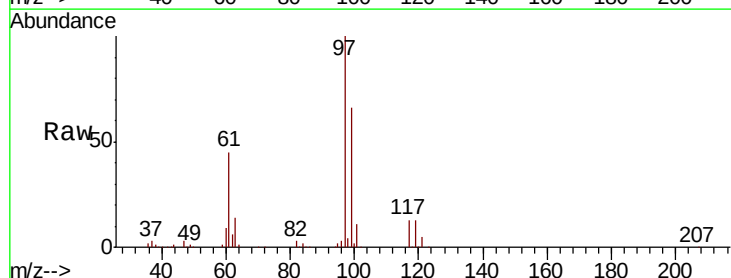
Tgt Ion: 97 Resp: 166742

Ion Ratio Lower Upper

97 100

99 64.4 32.3 96.9

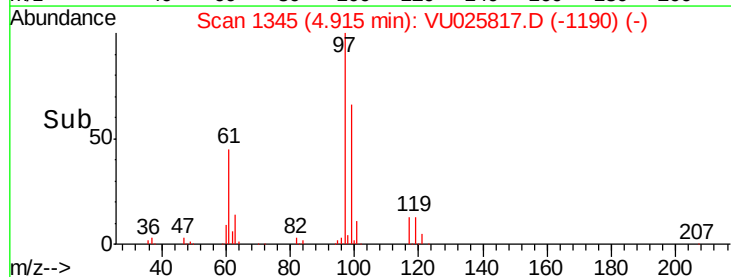
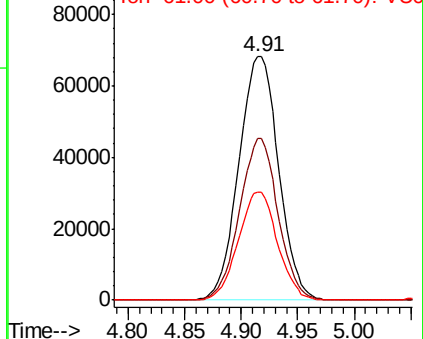
61 43.8 23.2 69.5

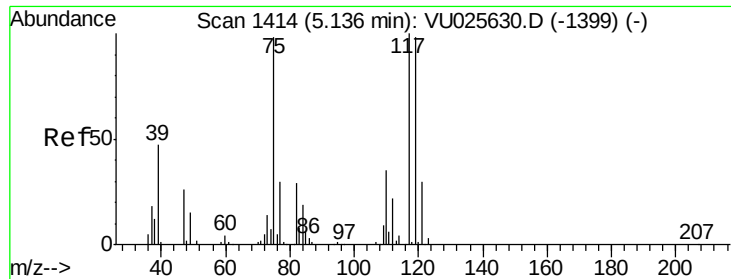


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29
 1,1-Dichloropropene
 Concen: 10.23 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

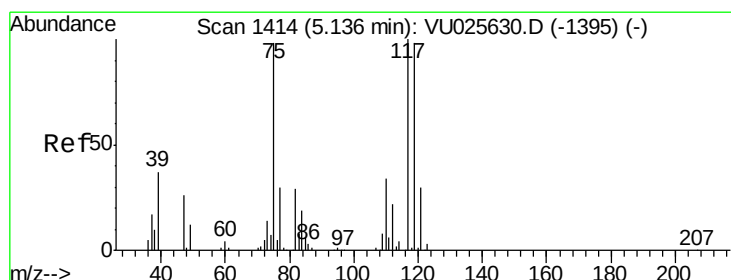
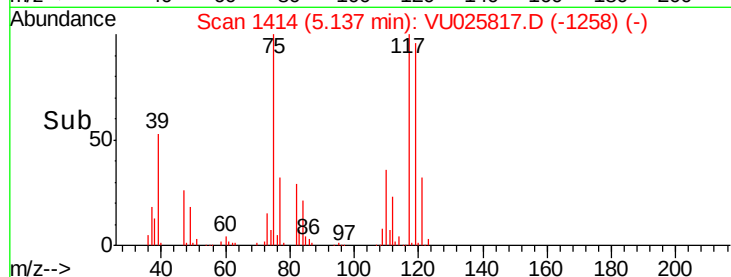
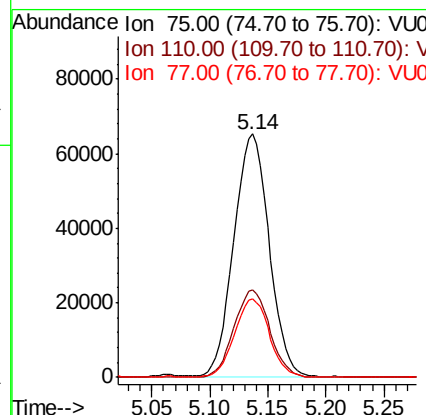
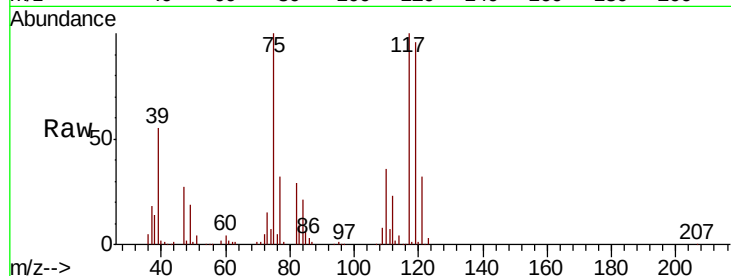
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.4	16.9	50.7
77	32.2	24.8	37.2

Manual Integrations
 APPROVED

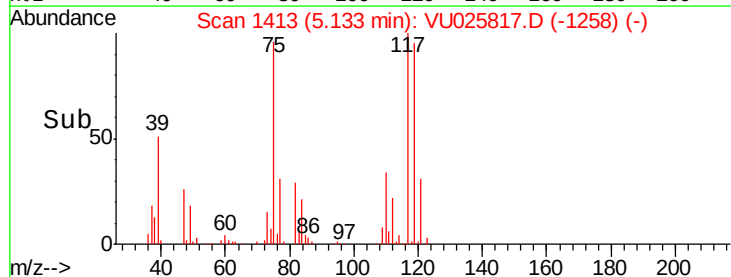
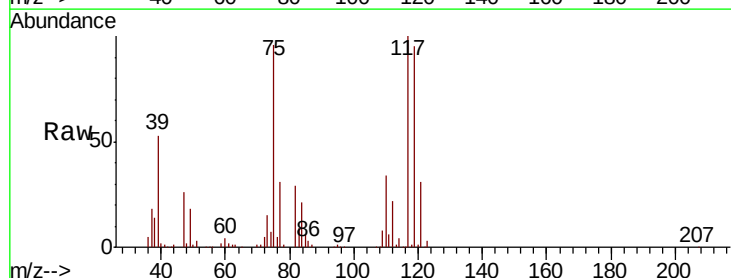
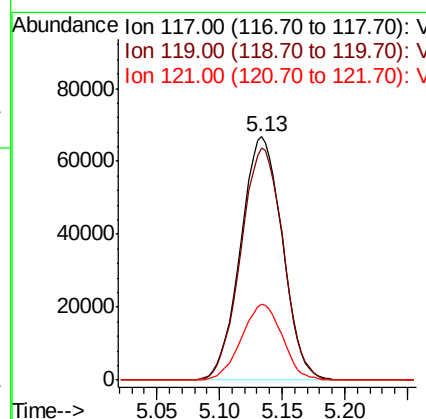
MMDadoda

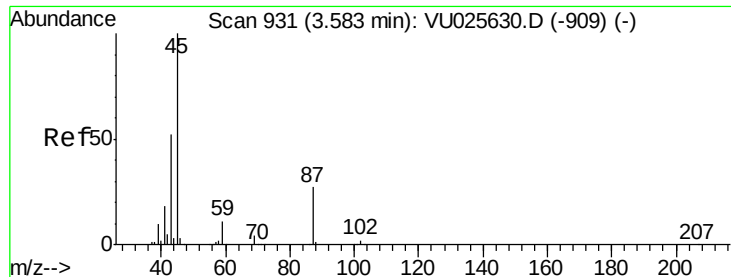
8/6/2018 5:38:54 PM



#30
 Carbon Tetrachloride
 Concen: 10.40 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.3	115.9
121	31.1	24.5	36.7





#31

Isopropyl Ether

Concen: 10.25 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 271142

Ion Ratio Lower Upper

45 100

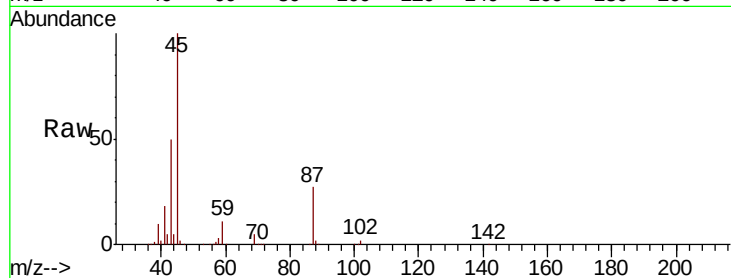
43 51.4 24.0 72.0

Manual Integrations

APPROVED

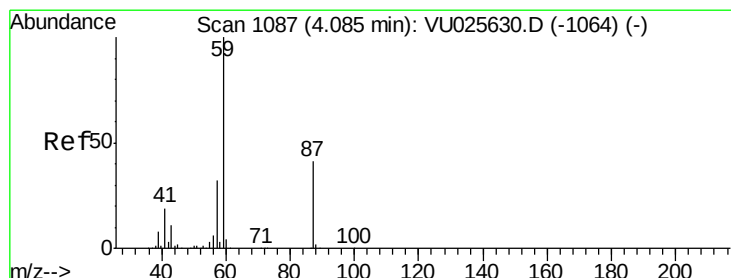
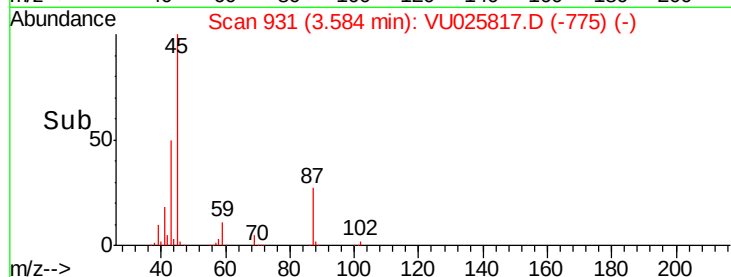
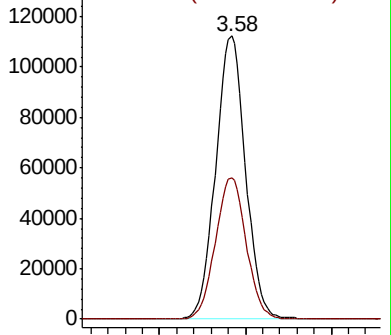
MMDadoda

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 10.07 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU025817.D

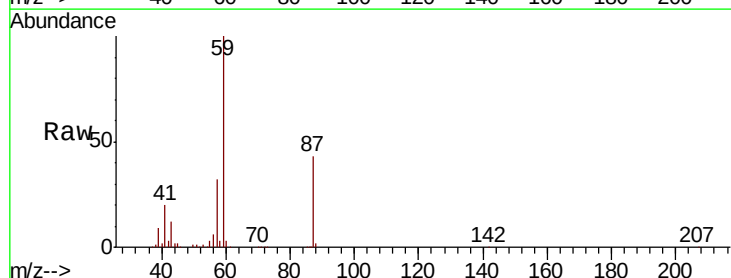
Acq: 03 Aug 2018 14:15

Tgt Ion: 59 Resp: 253067

Ion Ratio Lower Upper

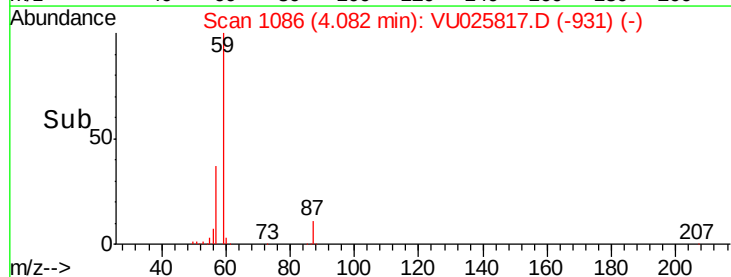
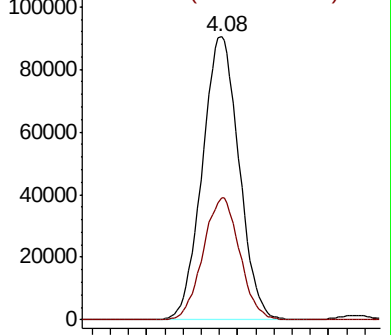
59 100

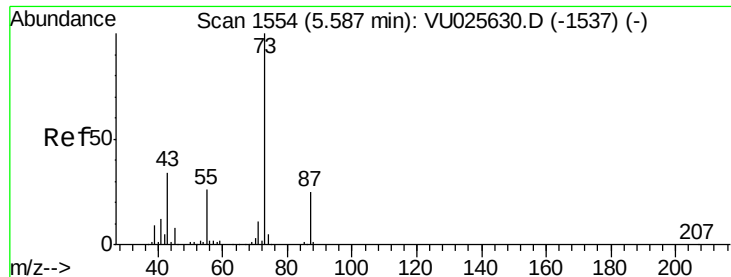
87 43.1 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#33
Tert-Butyl methyl ether
Concen: 9.93 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

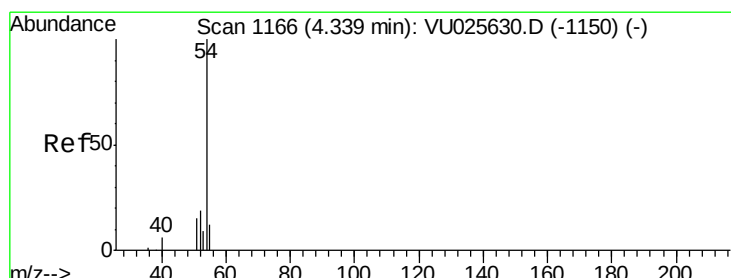
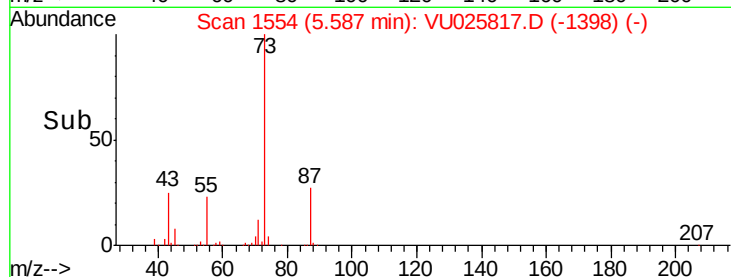
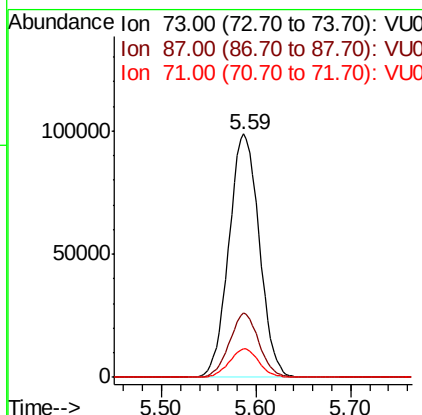
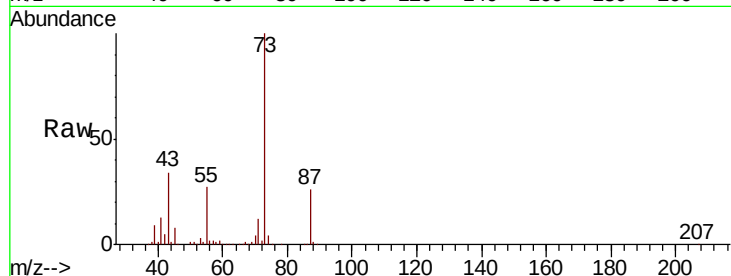
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	73	Resp:	220468
Ion	Ratio	Lower	Upper
73	100		
87	25.6	18.6	28.0
71	11.3	9.3	13.9

Manual Integrations
APPROVED

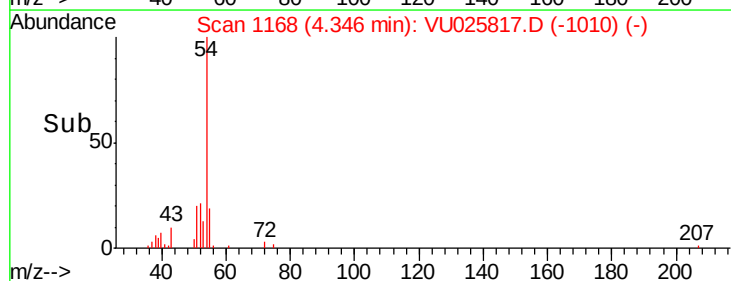
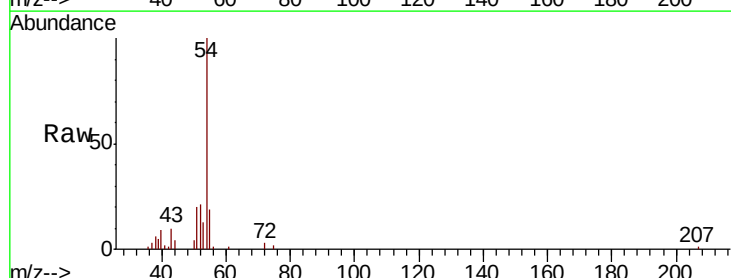
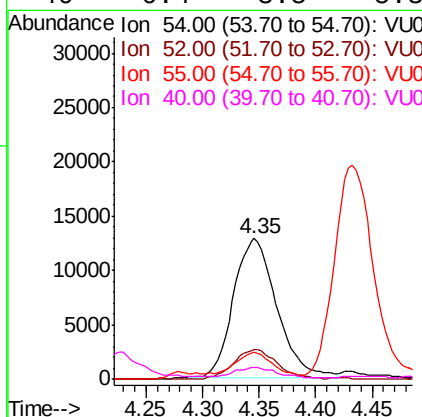
MMDadoda

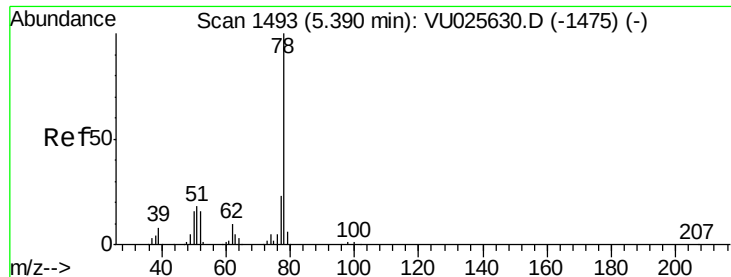
8/6/2018 5:38:54 PM



#34
Propionitrile
Concen: 49.34 ug/l
RT: 4.35 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion:	54	Resp:	33869
Ion	Ratio	Lower	Upper
54	100		
52	21.5	13.7	20.5#
55	13.7	10.2	15.2
40	6.4	3.5	5.3#





#35

Benzene

Concen: 10.33 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 387701

Ion Ratio Lower Upper

78 100

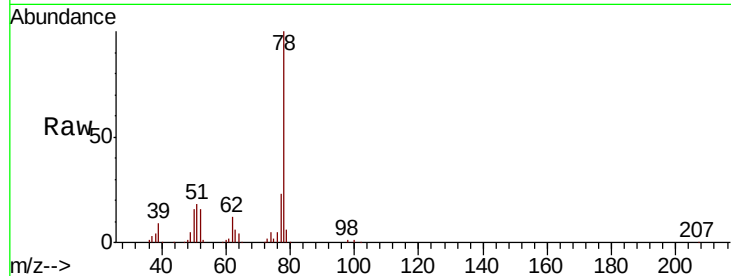
77 23.4 19.1 28.7

Manual Integrations

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8/6/2018 5:38:54 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

200000

150000

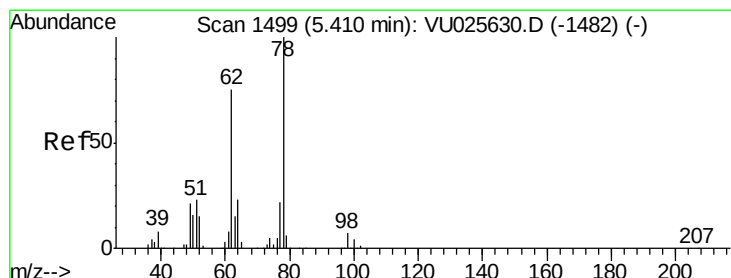
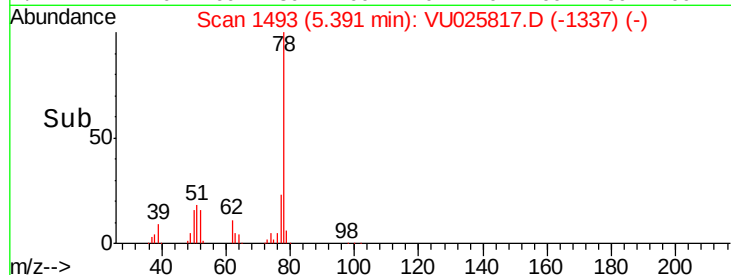
100000

50000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 10.34 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025817.D

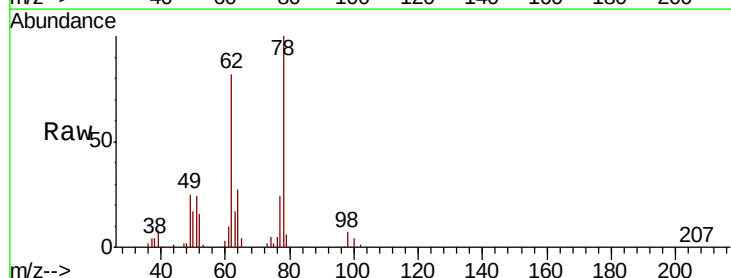
Acq: 03 Aug 2018 14:15

Tgt Ion: 62 Resp: 119118

Ion Ratio Lower Upper

62 100

98 8.0 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

60000

50000

40000

30000

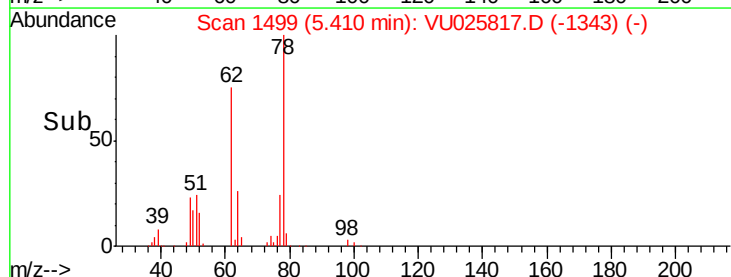
20000

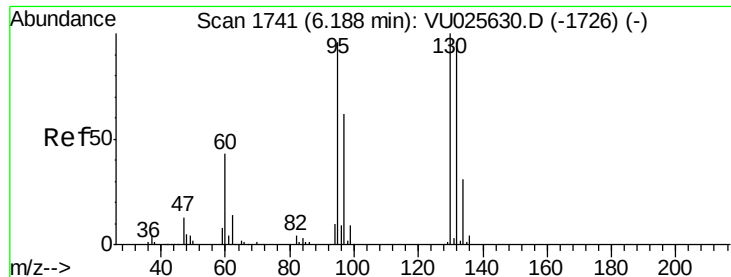
10000

0

5.30 5.40 5.50

Time-->





#37

Trichloroethene

Concen: 9.84 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 108769

Ion Ratio Lower Upper

130 100

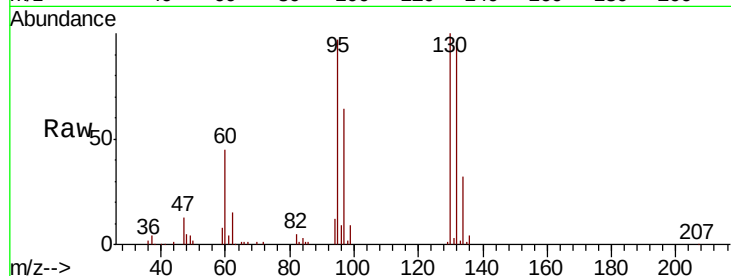
95 97.1 77.9 116.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

60000

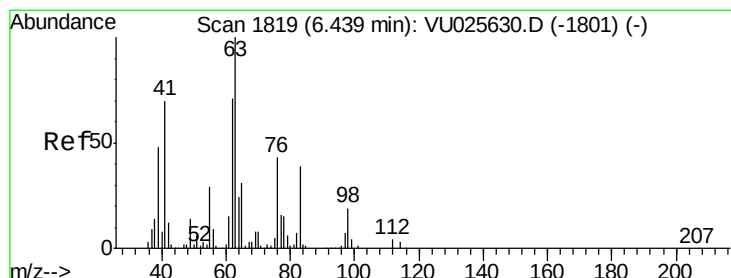
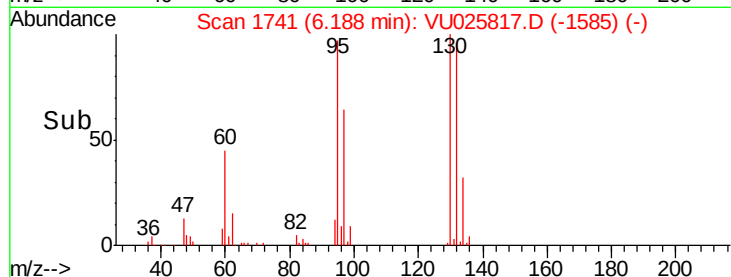
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 10.23 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025817.D

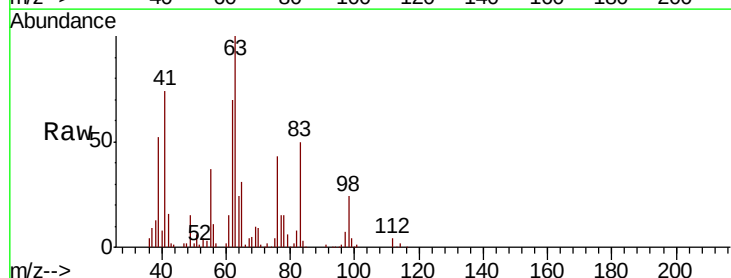
Acq: 03 Aug 2018 14:15

Tgt Ion: 63 Resp: 99563

Ion Ratio Lower Upper

63 100

65 31.5 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.44

60000

50000

40000

30000

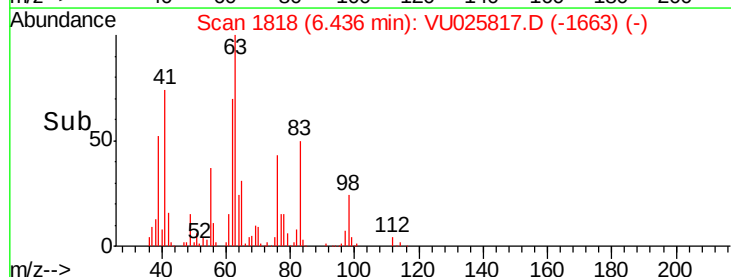
20000

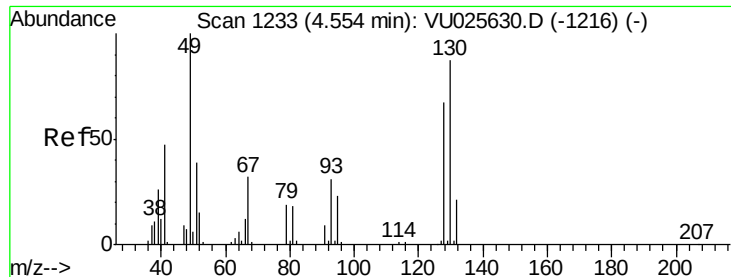
10000

0

6.35 6.40 6.45 6.50

Time-->





#39
Methacrylonitrile
Concen: 10.06 ug/l
RT: 4.56 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

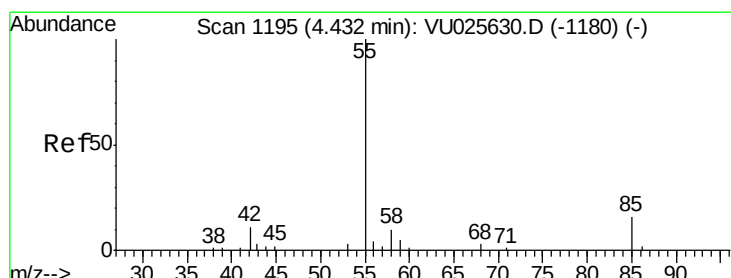
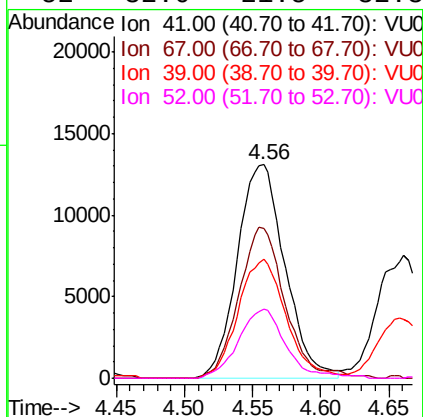
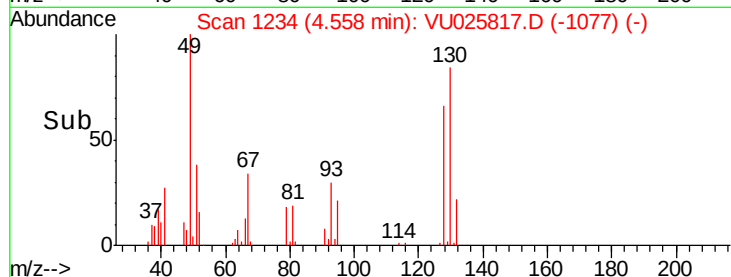
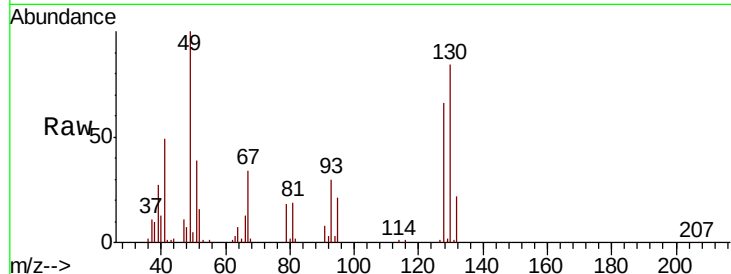
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	68.6	51.3	76.9
39	56.1	40.6	60.8
52	32.0	21.5	32.3

Manual Integrations
APPROVED

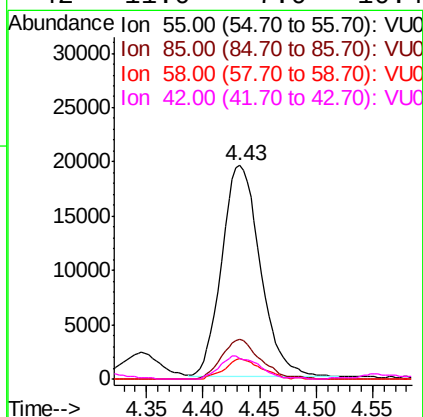
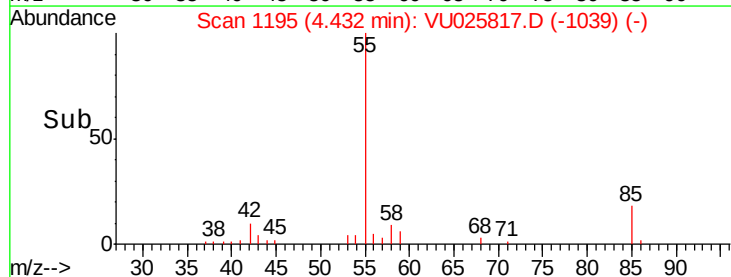
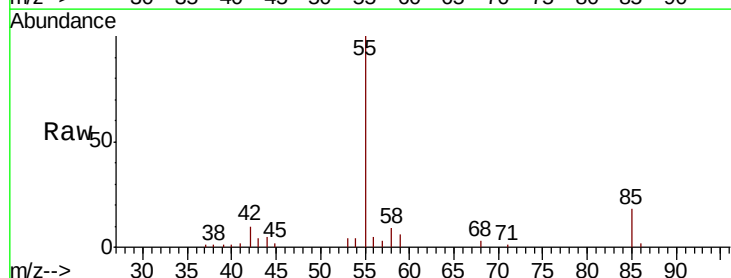
MMDadoda

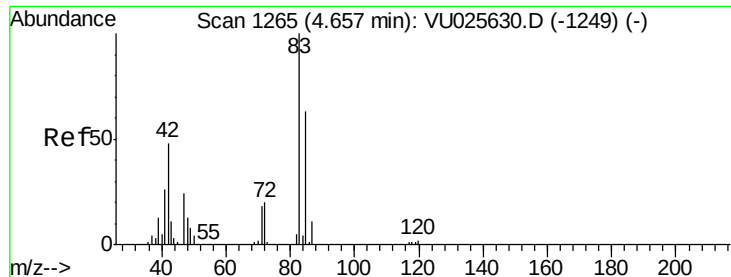
8/6/2018 5:38:54 PM



#40
Methyl acrylate
Concen: 9.74 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.5	12.3	18.5#
58	8.8	7.0	10.6
42	11.0	7.0	10.4#





#41
Tetrahydrofuran
Concen: 17.25 ug/l
RT: 4.66 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

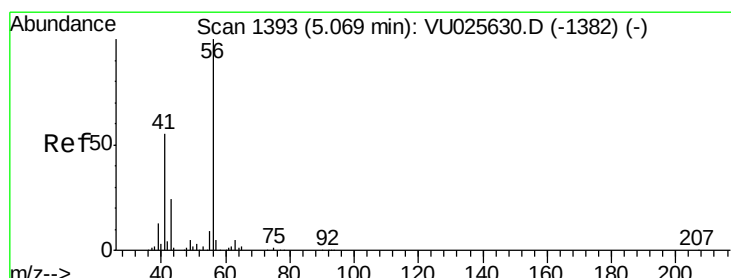
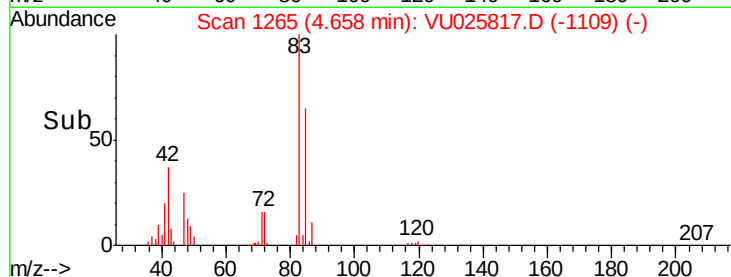
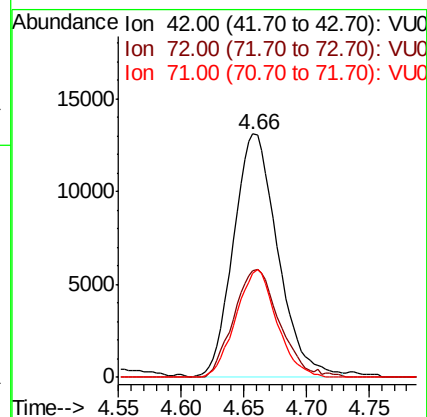
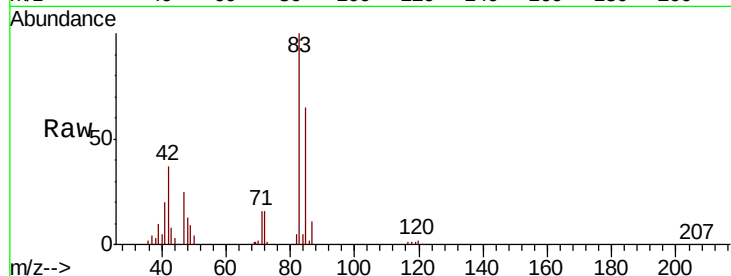
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	33.2	49.8
71	40.8	29.8	44.8

Manual Integrations
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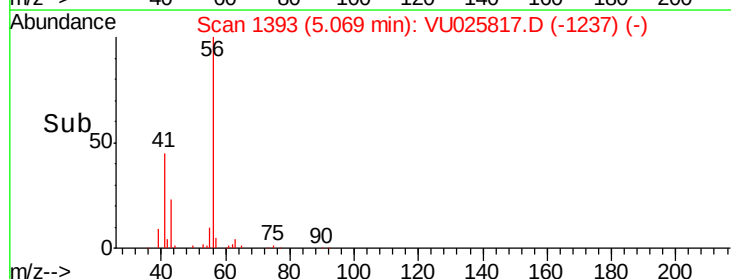
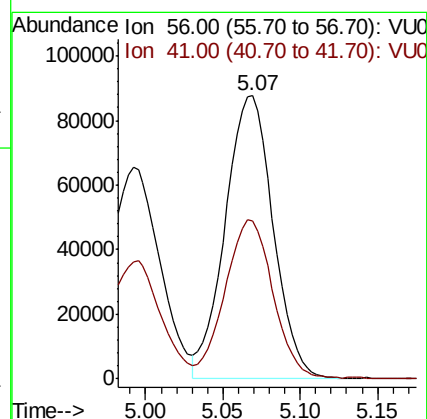
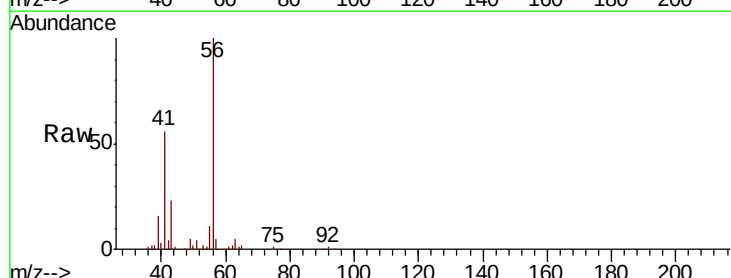
MMDadoda

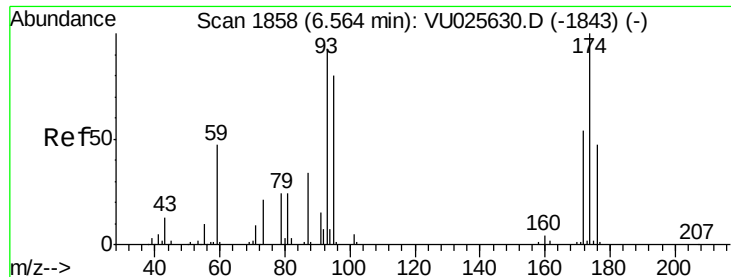
8/6/2018 5:38:54 PM



#42
1-Chlorobutane
Concen: 10.28 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.8	27.5	82.5





#43

Dibromomethane

Concen: 10.34 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

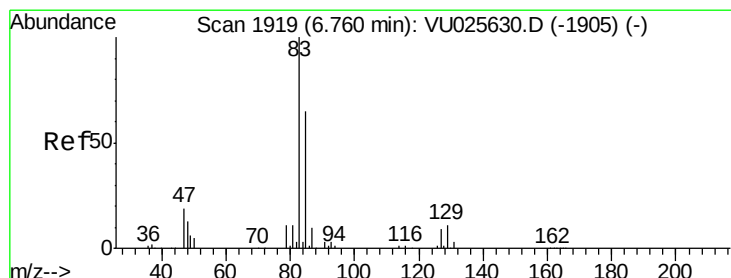
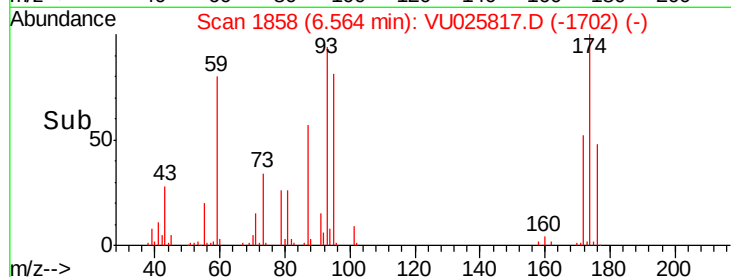
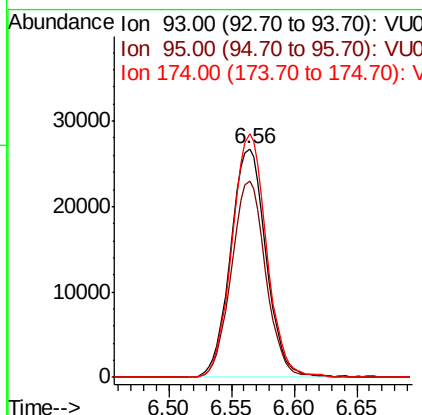
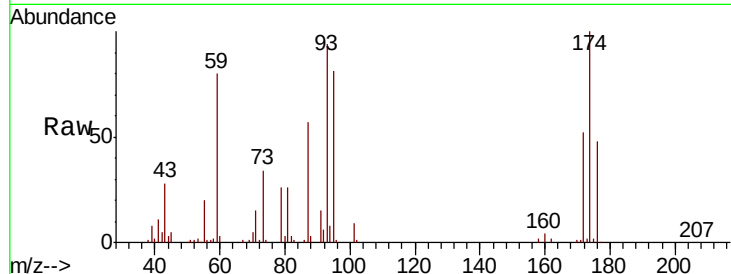
VSTDCCC010EC

Tot Ion:	93	Resp:	52573
Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.2	100.8
174	103.9	82.8	124.2

Manual Integrations
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8/6/2018 5:38:54 PM



#44

Bromodichloromethane

Concen: 10.50 ug/l

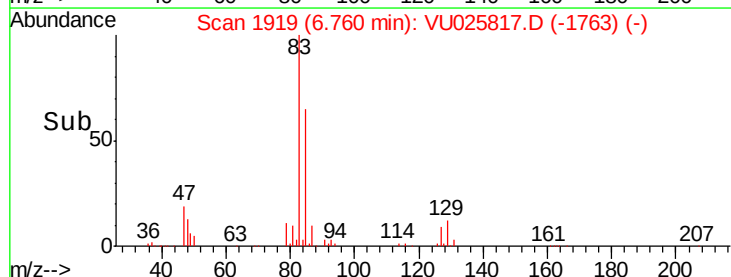
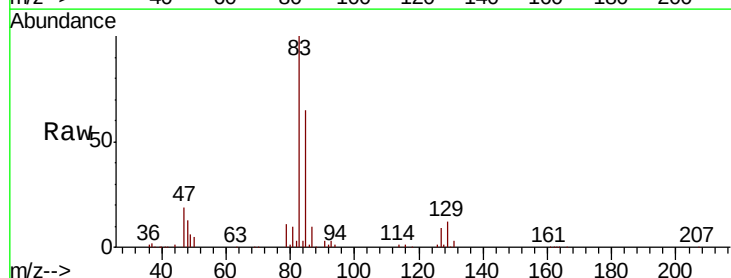
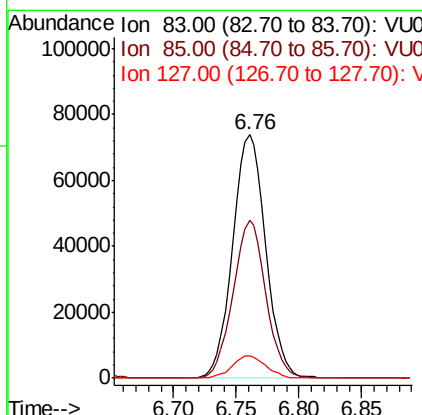
RT: 6.76 min Scan# 1919

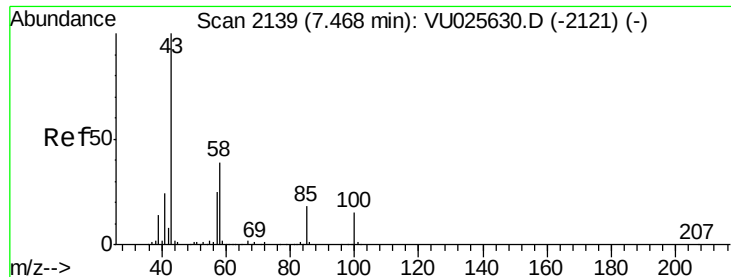
Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	83	Resp:	135285
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4
127	9.1	7.0	10.4





#45
 4-Methyl-2-Pentanone
 Concen: 50.78 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

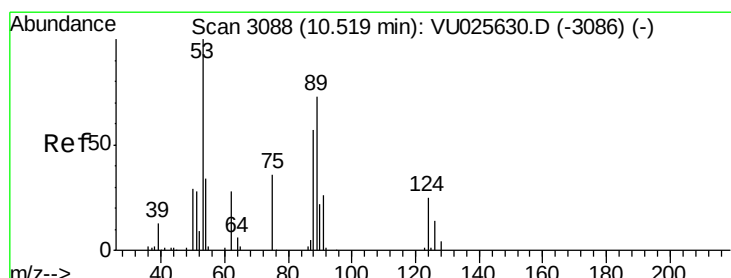
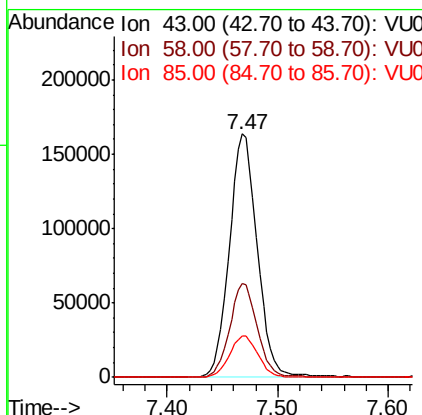
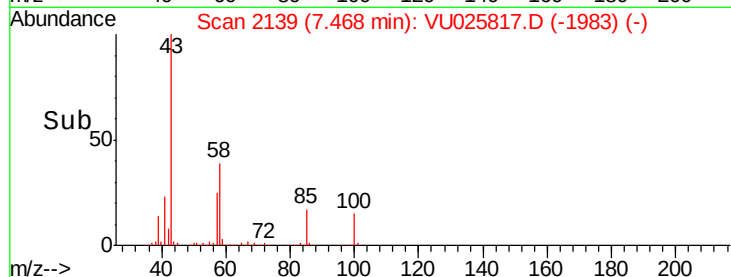
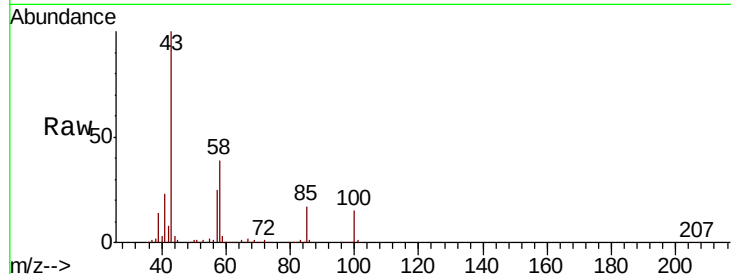
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	18.8	56.4
85	17.2	12.6	19.0

Manual Integrations
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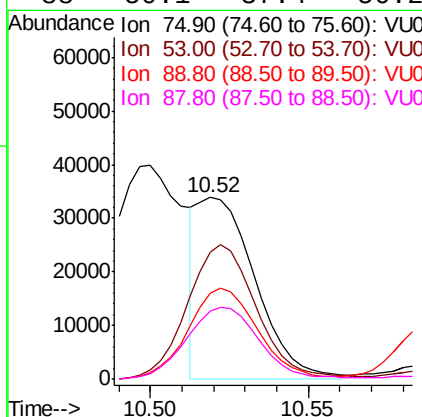
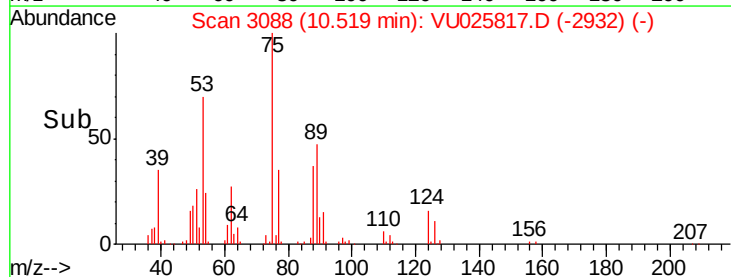
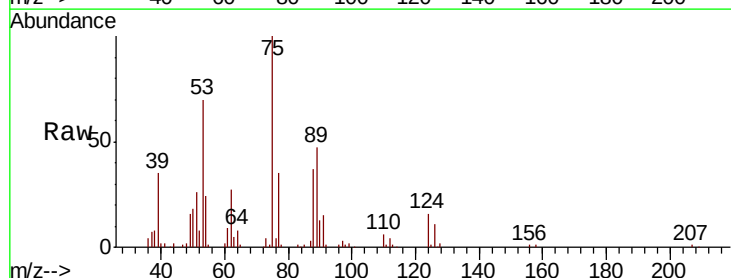
MMDadoda

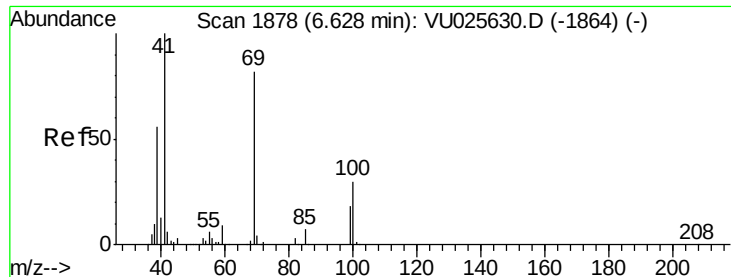
8/6/2018 5:38:54 PM



#46
 t-1,4-Dichloro-2-butene
 Concen: 17.92 ug/l m
 RT: 10.52 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
75	100		
53	89.6	82.2	123.4
89	60.9	51.3	76.9
88	50.1	37.4	56.2





#47

Methvl methacrylate

Concen: 20.68 ug/l

RT: 6.63 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

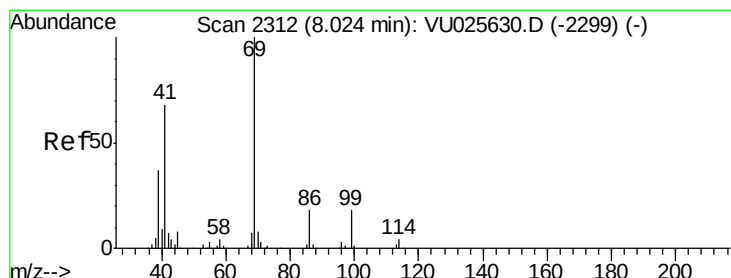
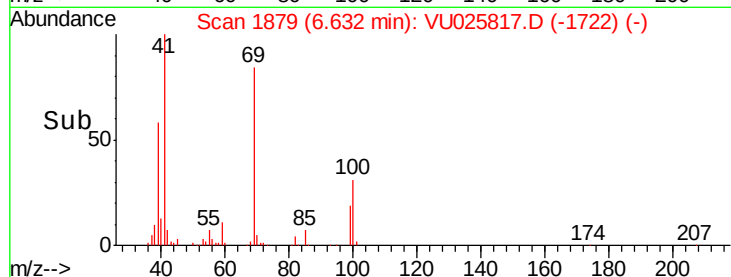
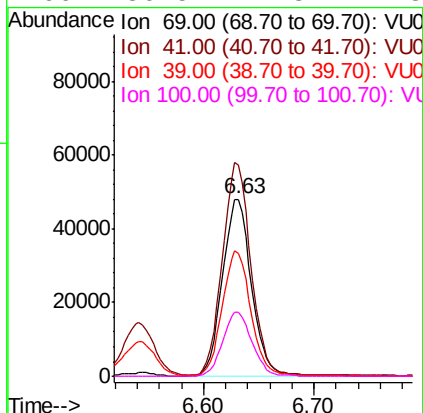
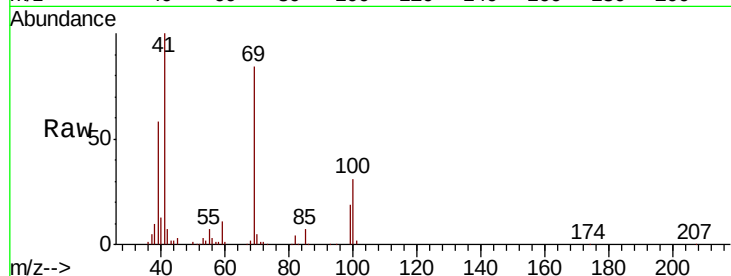
VSTDCCC010EC

Tot Ion:	69	Resp:	87887
Ion	Ratio	Lower	Upper
69	100		
41	117.0	0.0	245.4
39	68.2	49.0	73.4
100	36.5	27.8	41.8

Manual Integrations
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#48

Ethyl methacrylate

Concen: 10.22 ug/l

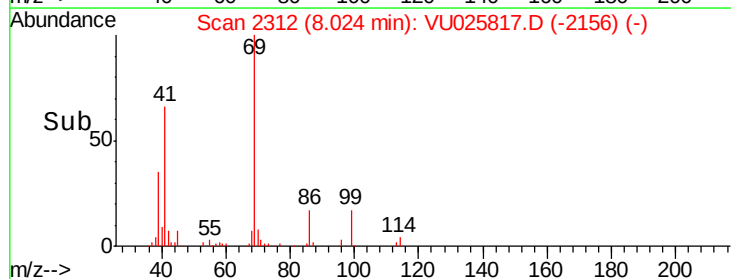
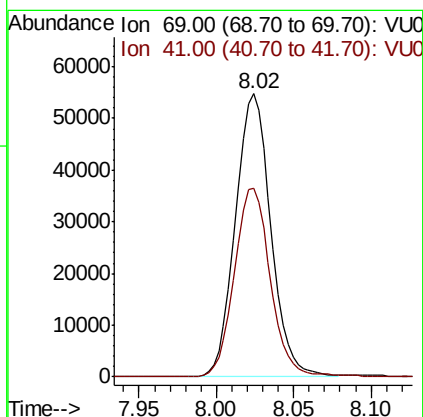
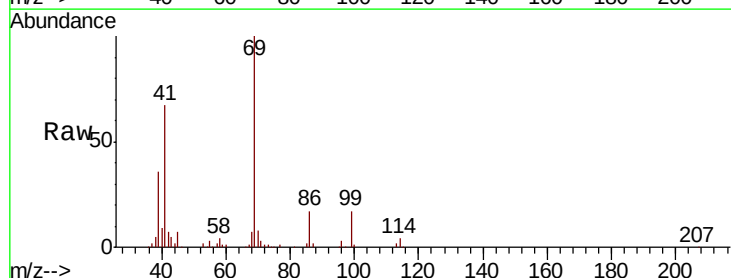
RT: 8.02 min Scan# 2312

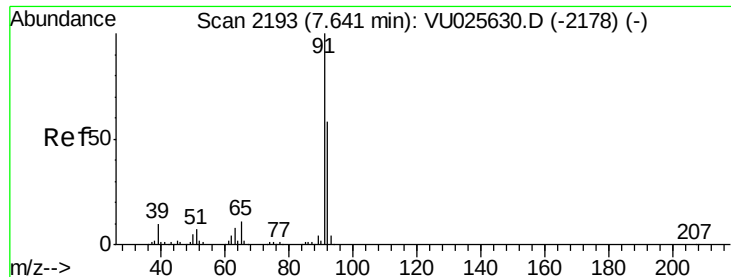
Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	69	Resp:	87273
Ion	Ratio	Lower	Upper
69	100		
41	68.0	34.2	102.5





#49

Toluene

Concen: 10.57 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 242462

Ion Ratio Lower Upper

92 100

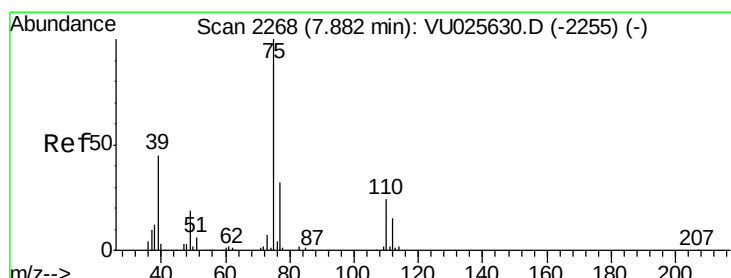
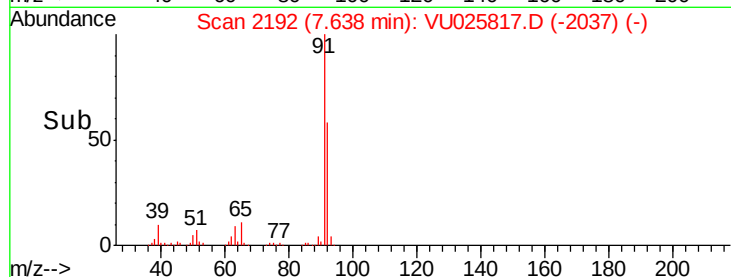
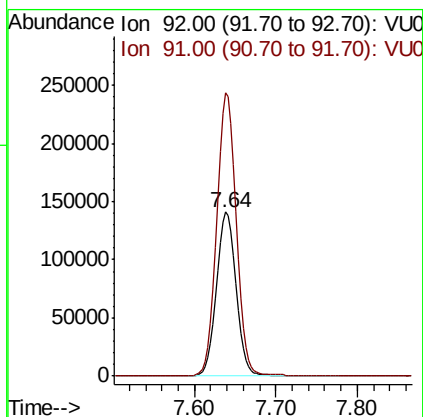
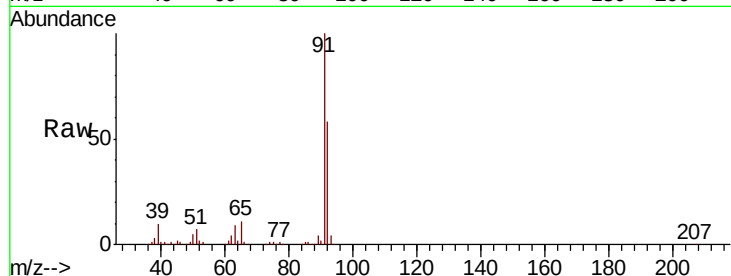
91 171.7 137.1 205.7

Manual Integrations

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8/6/2018 5:38:54 PM



#50

t-1,3-Dichloropropene

Concen: 10.60 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025817.D

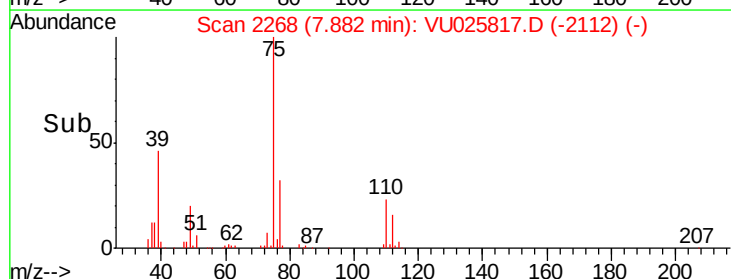
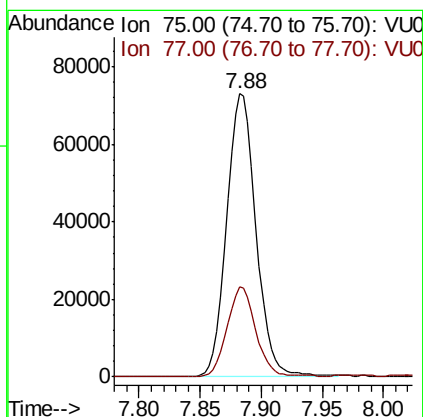
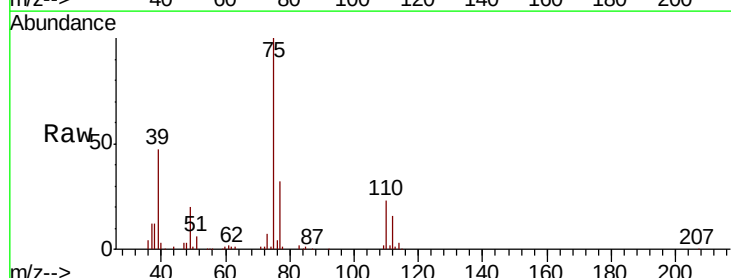
Acq: 03 Aug 2018 14:15

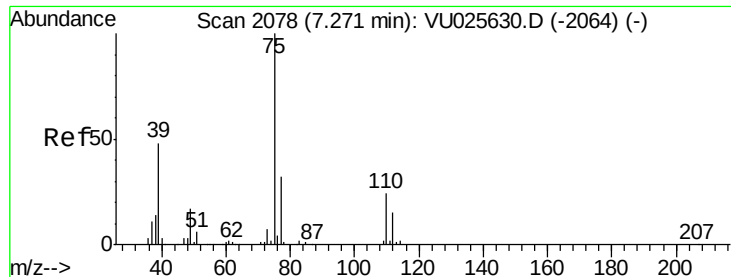
Tgt Ion: 75 Resp: 123297

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8





#51
 cis-1,3-Dichloropropene
 Concen: 10.29 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

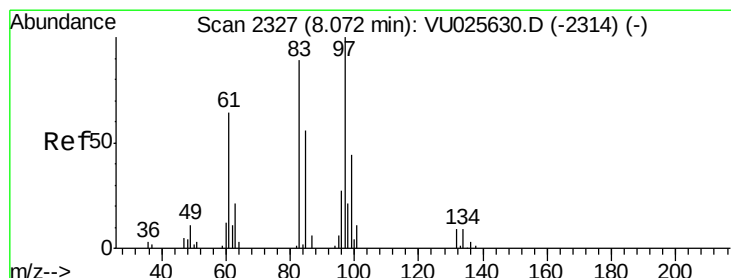
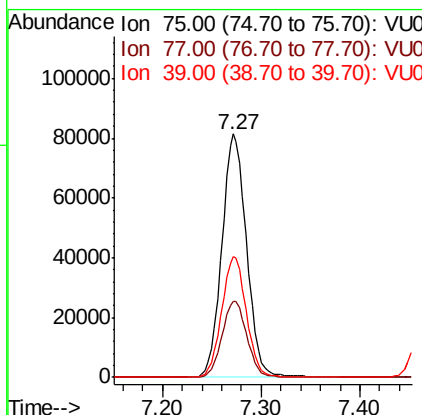
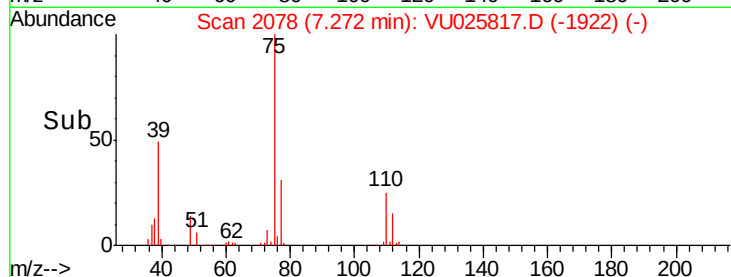
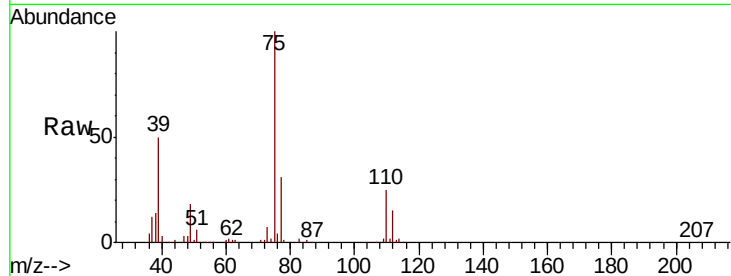
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:	75	Resp:	143317
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.2	37.8
39	49.6	36.4	54.6

Manual Integrations
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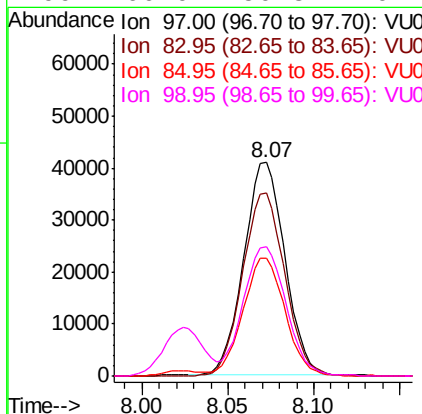
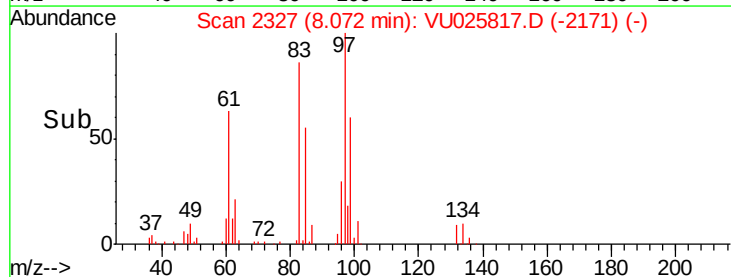
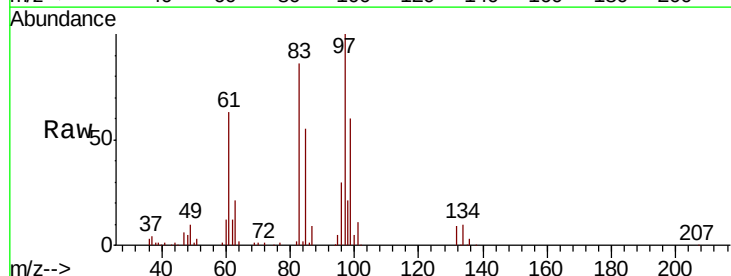
MMDadoda

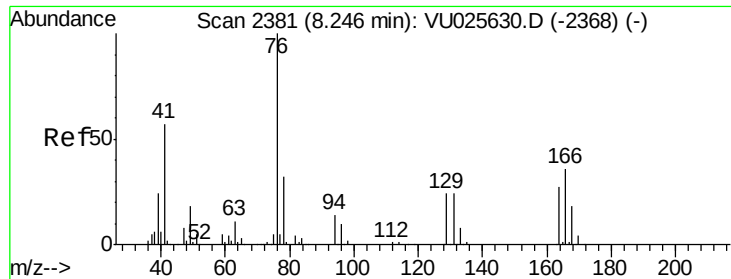
8/6/2018 5:38:54 PM



#52
 1,1,2-Trichloroethane
 Concen: 9.97 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion:	97	Resp:	67938
Ion Ratio	Lower	Upper	
97	100		
83	86.0	72.6	109.0
85	54.9	47.2	70.8
99	60.0	50.8	76.2





#53
 1,3-Dichloropropane
 Concen: 10.43 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

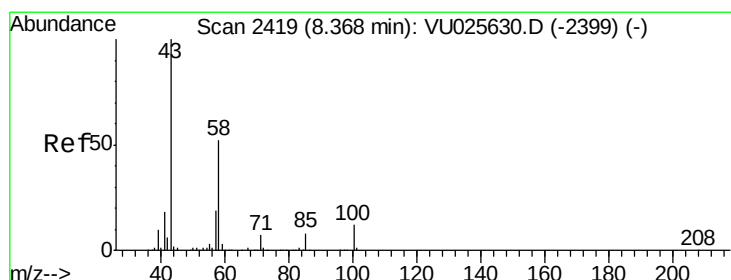
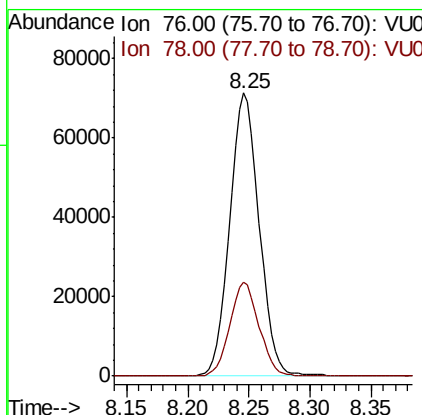
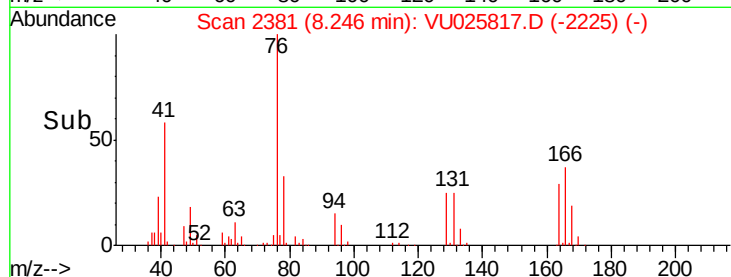
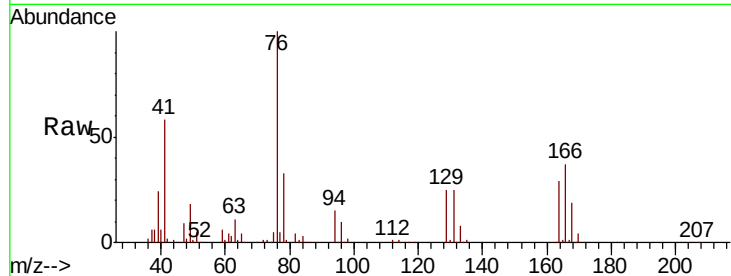
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.7	38.5

Manual Integrations
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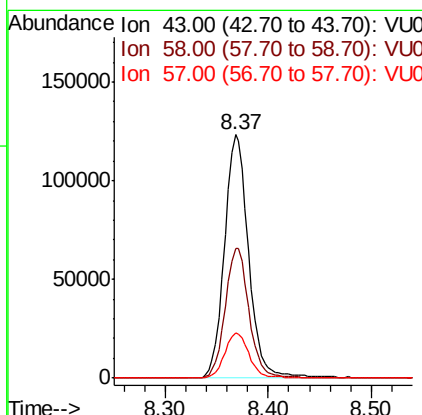
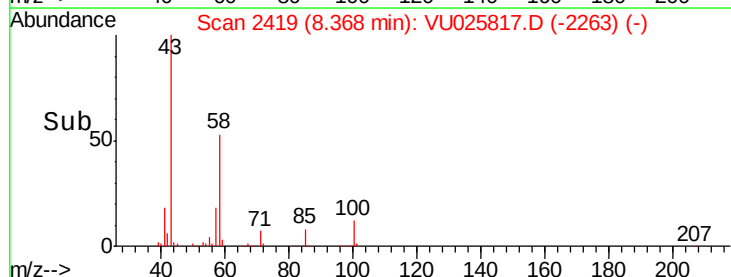
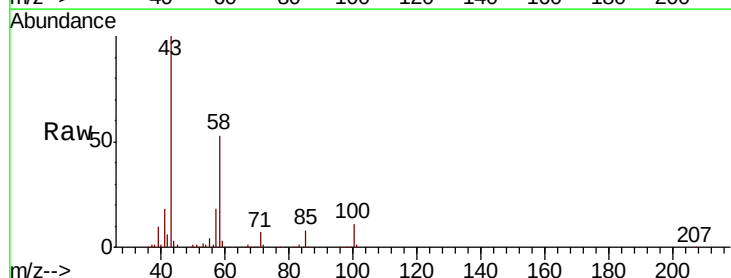
MMDadoda

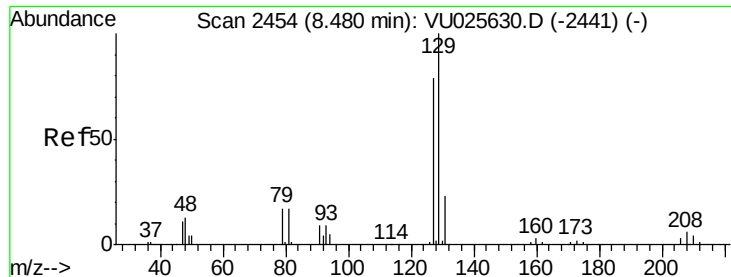
8/6/2018 5:38:54 PM



#54
 2-Hexanone
 Concen: 50.30 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.9	32.5	72.5
57	18.6	0.0	37.9





#55
 Dibromochloromethane
 Concen: 10.73 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

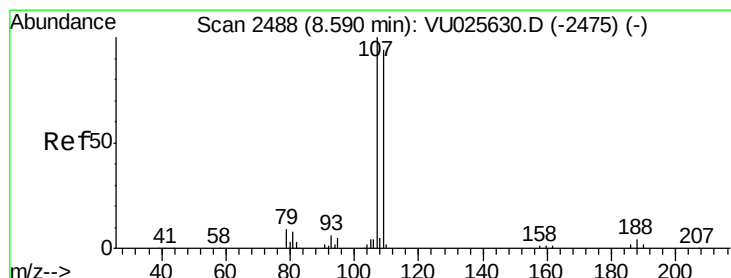
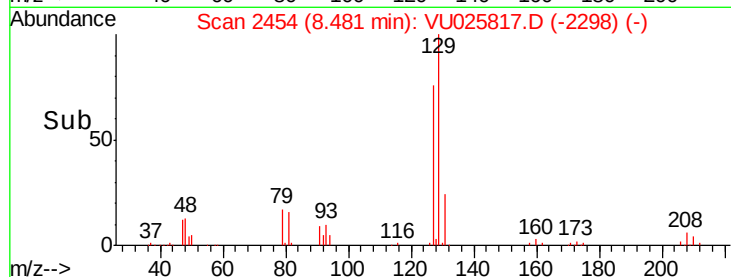
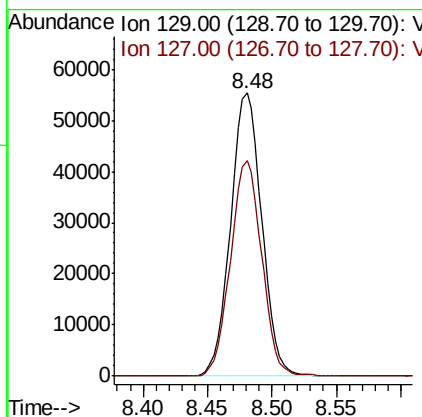
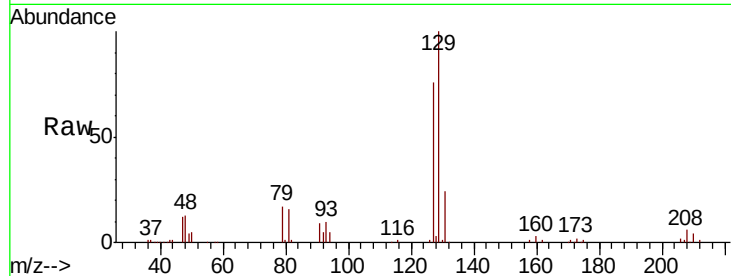
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		93003		
127	76.3	61.1	91.7		

Manual Integrations
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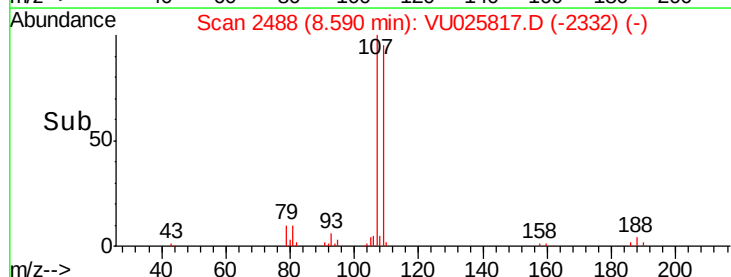
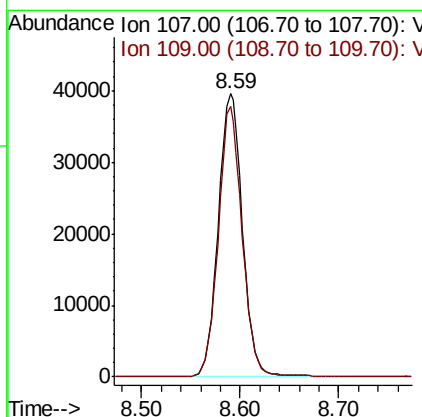
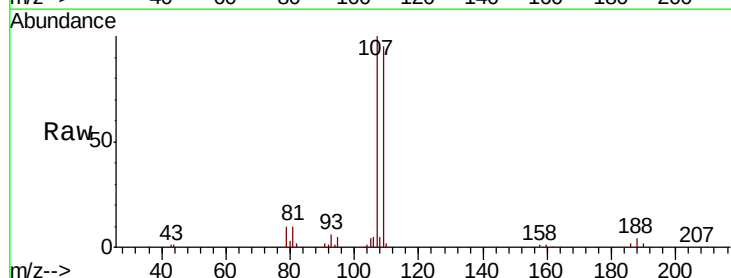
MMDadoda

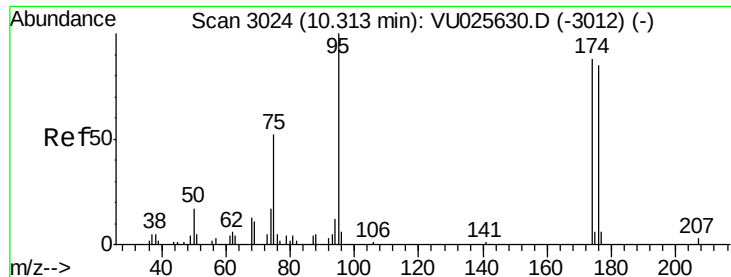
8/6/2018 5:38:54 PM



#56
 1,2-Dibromoethane
 Concen: 10.33 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		68150		
109	93.5	0.0	189.0		





#57

4-Bromofluorobenzene

Concen: 10.33 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

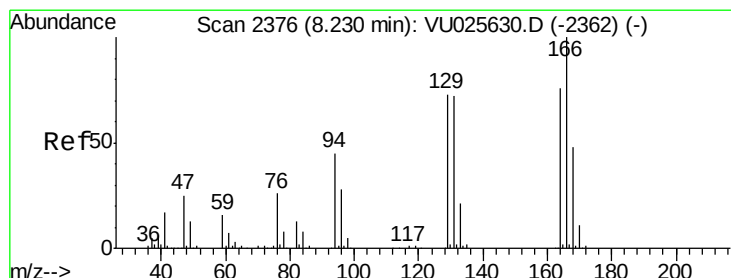
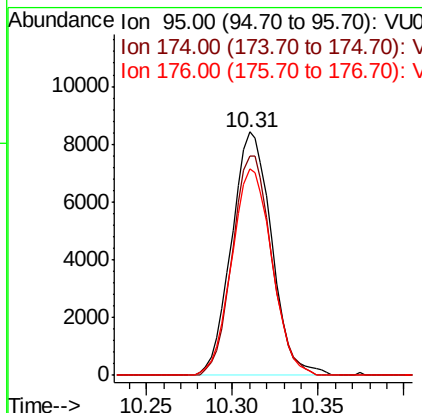
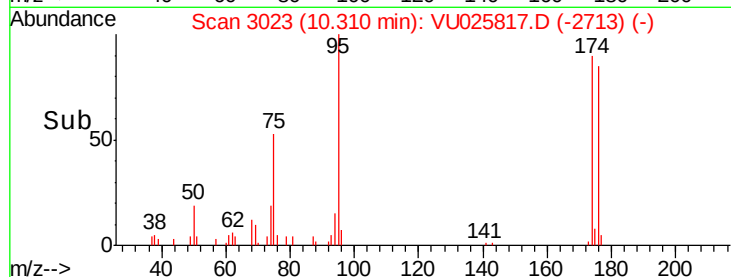
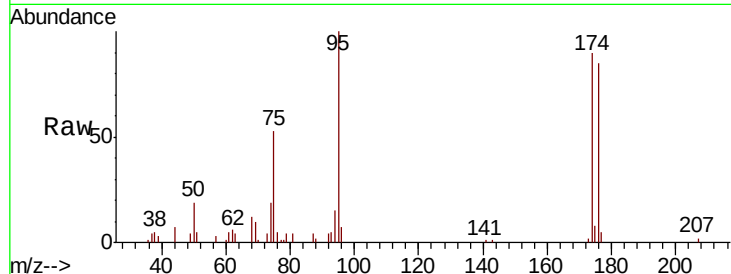
VSTDCCC010EC

Tot Ion:	95	Resp:	13625
Ion Ratio	Lower	Upper	
95	100		
174	88.1	65.6	98.4
176	84.8	62.0	93.0

Manual Integrations
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#58

Tetrachloroethene

Concen: 10.72 ug/l

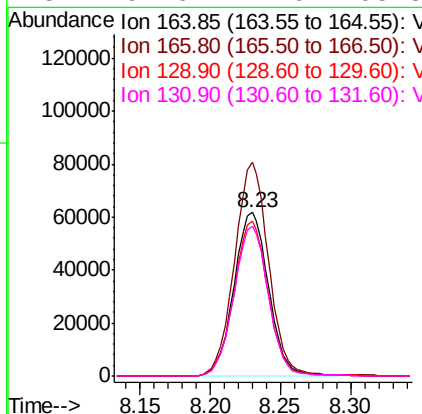
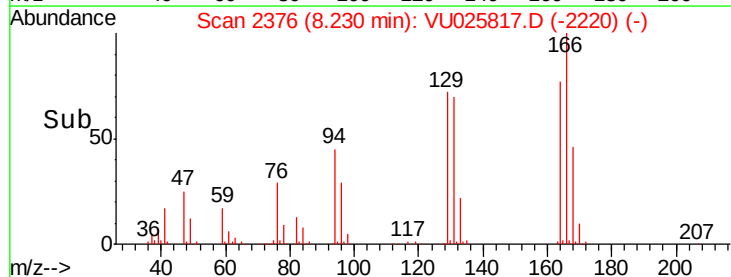
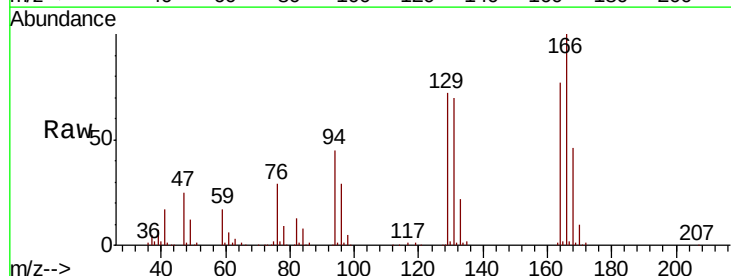
RT: 8.23 min Scan# 2376

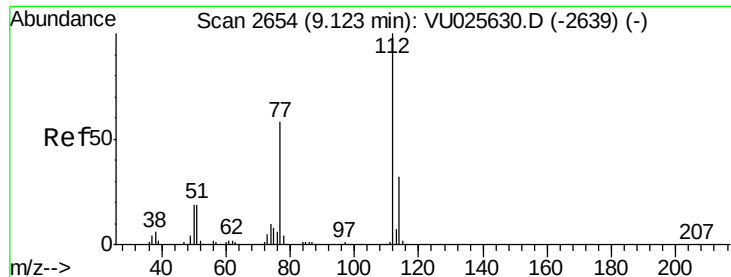
Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	164	Resp:	106502
Ion Ratio	Lower	Upper	
164	100		
166	130.6	104.1	156.1
129	94.5	76.8	115.2
131	91.6	72.6	108.8





#59
Chlorobenzene
Concen: 10.26 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

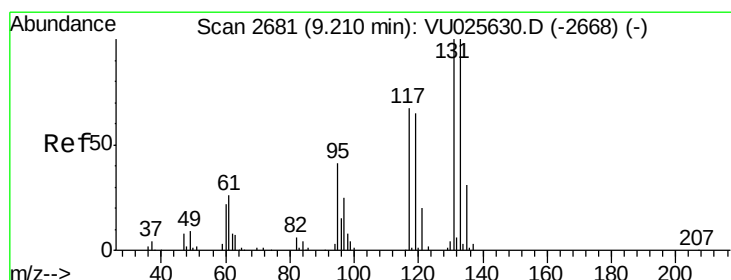
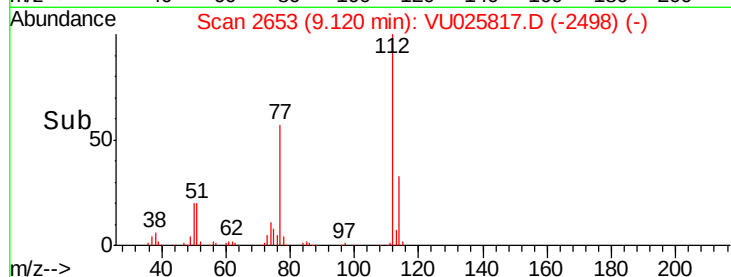
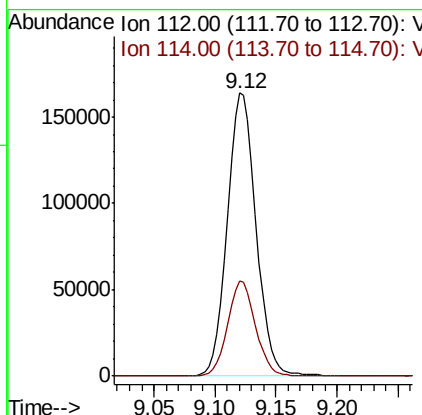
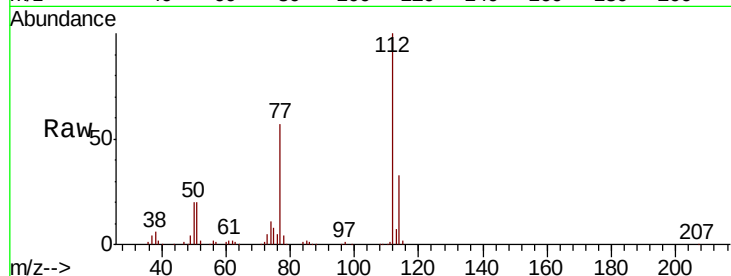
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.4	38.2

Manual Integrations
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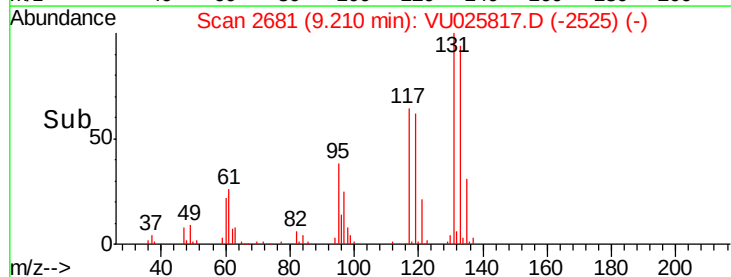
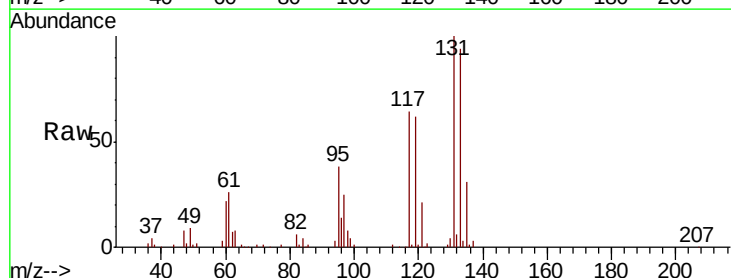
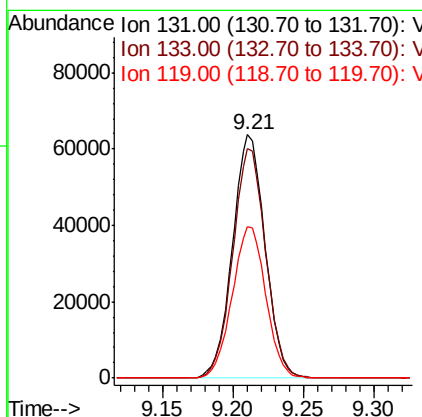
MMDadoda

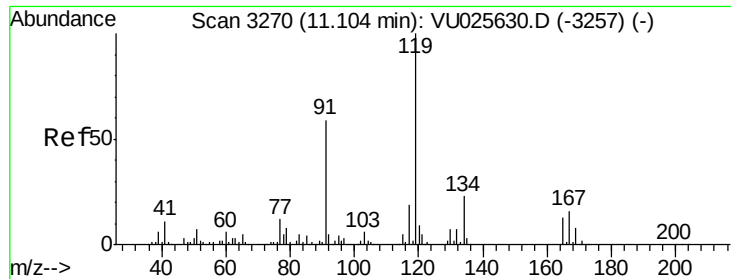
8/6/2018 5:38:54 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.55 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.8	113.8
119	64.0	53.0	79.6





#61

Pentachloroethane

Concen: 10.19 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 76160

Ion Ratio Lower Upper

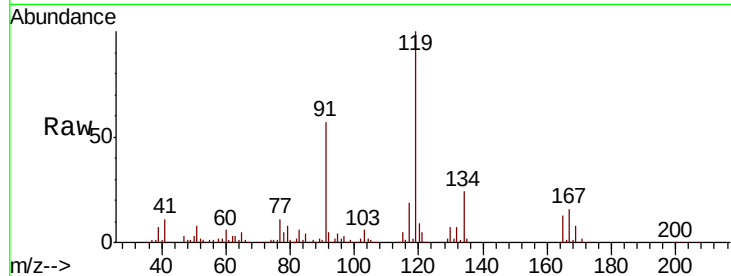
117 100

167 89.9 69.2 103.8

Manual Integrations
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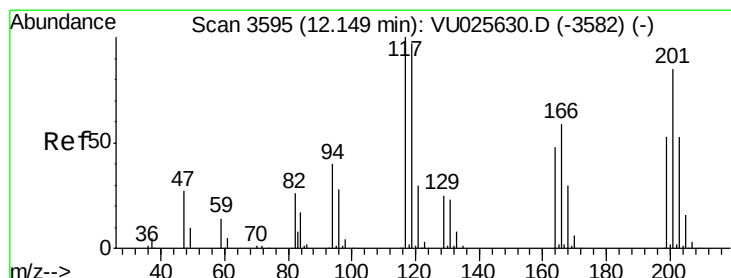
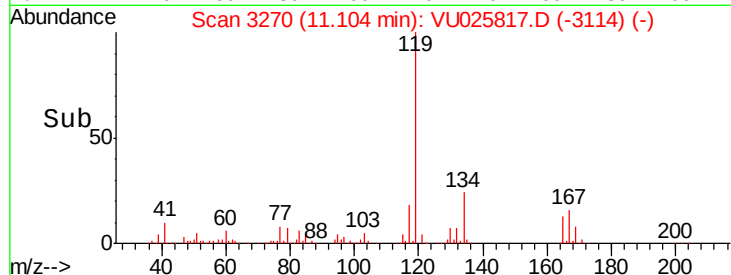
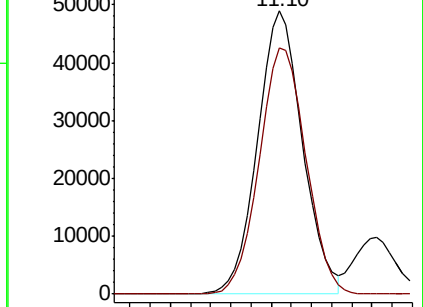
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.56 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025817.D

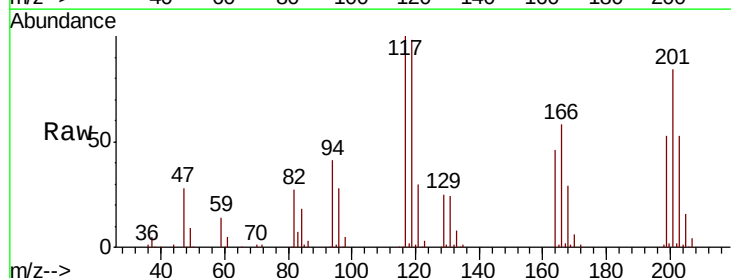
Acq: 03 Aug 2018 14:15

Tgt Ion:117 Resp: 80597

Ion Ratio Lower Upper

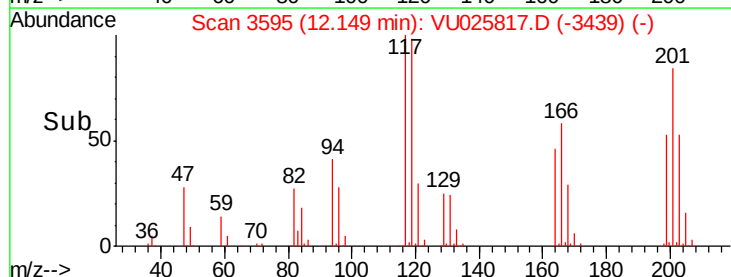
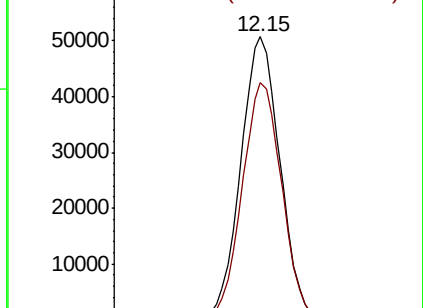
117 100

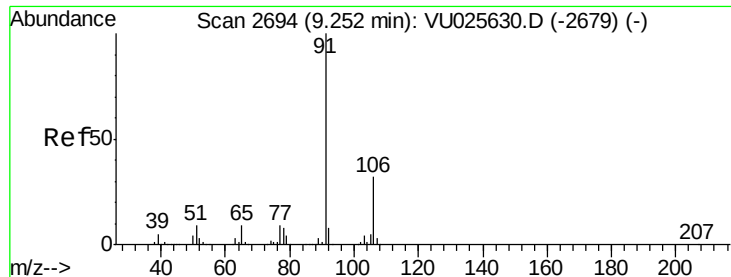
201 84.5 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63
Ethyl Benzene
Concen: 10.61 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

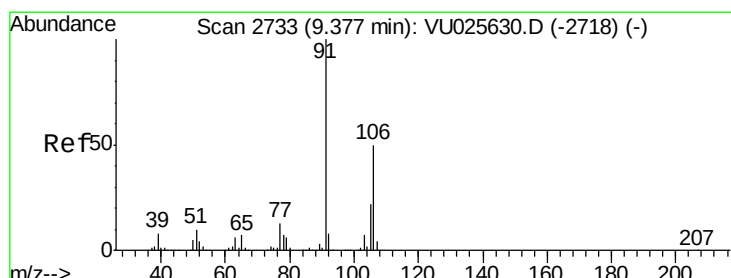
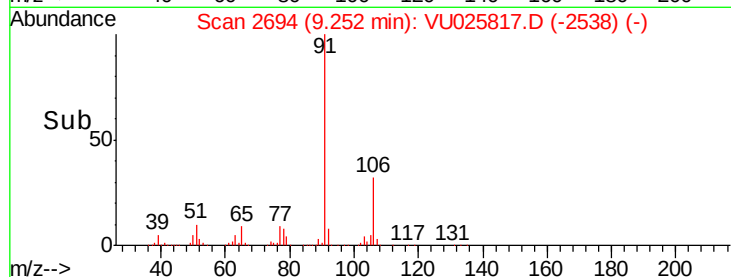
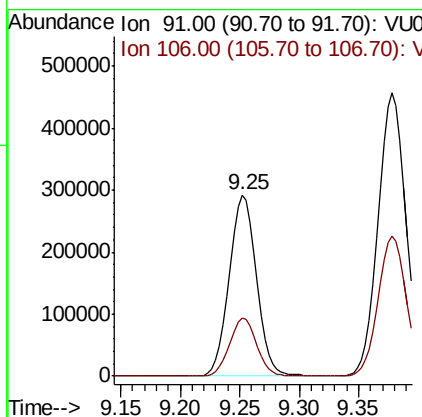
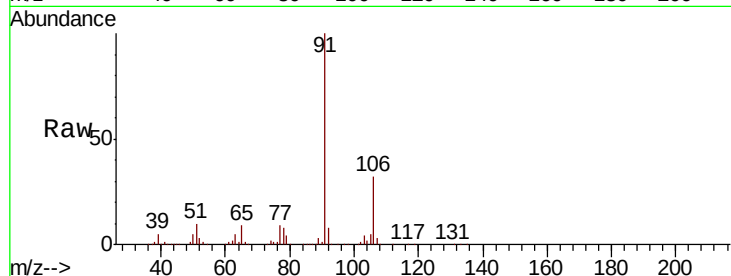
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.1	24.7	37.1	

Manual Integrations
APPROVED

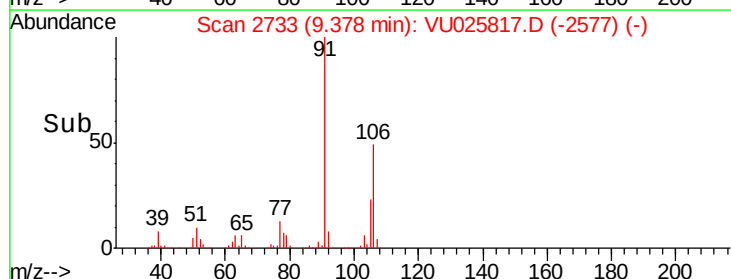
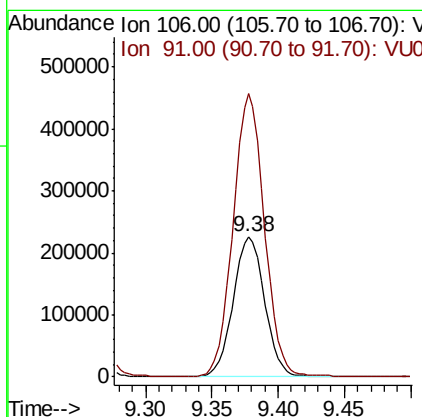
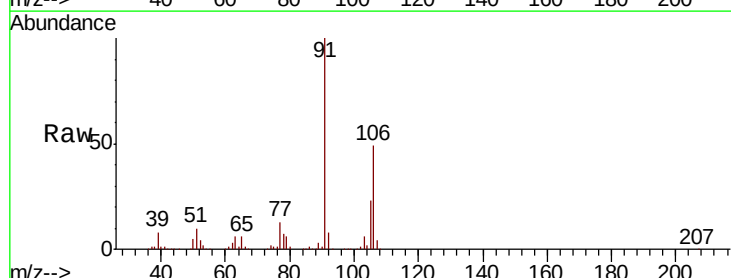
MMDadoda

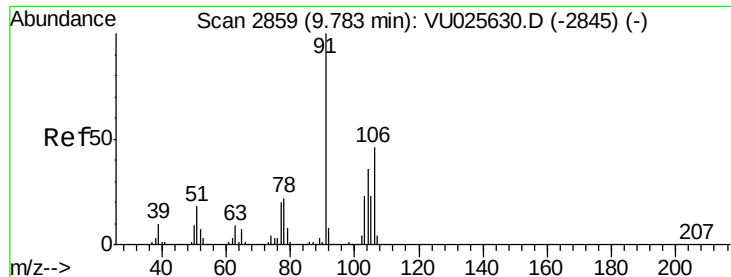
8/6/2018 5:38:54 PM



#64
m/p-Xylenes
Concen: 21.59 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.9	164.1	246.1	





#65
o-Xylene
Concen: 10.70 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

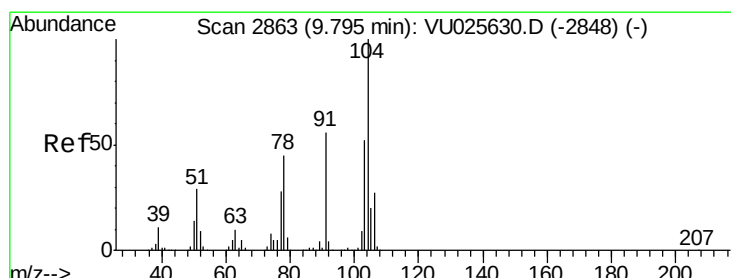
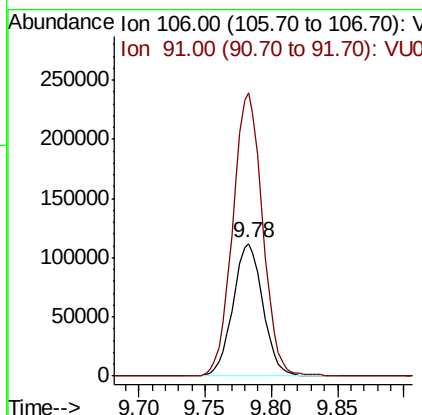
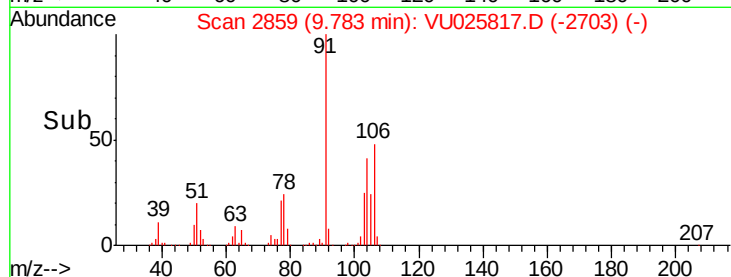
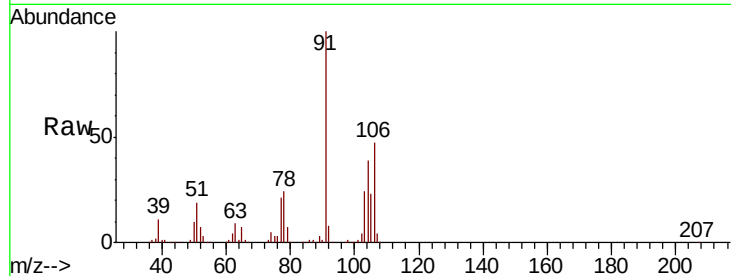
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.2	107.9	323.7	

Manual Integrations
APPROVED

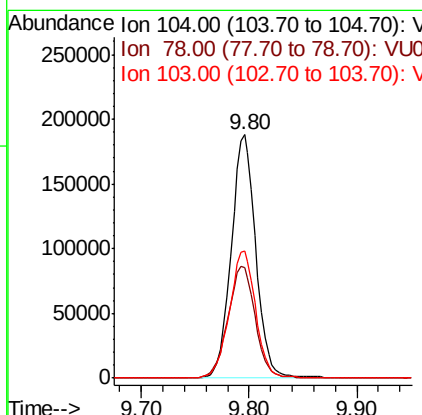
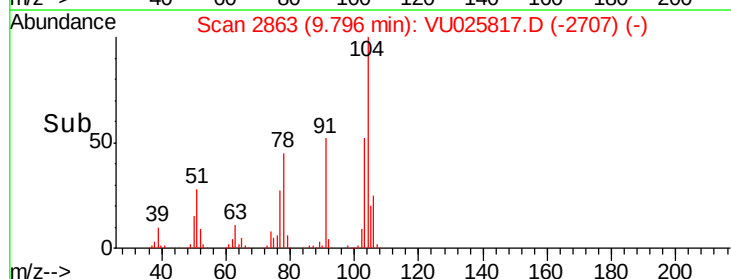
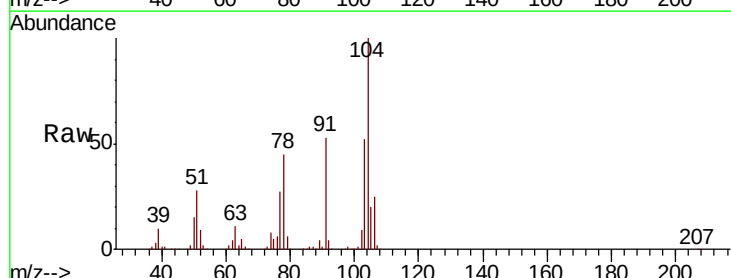
MMDadoda

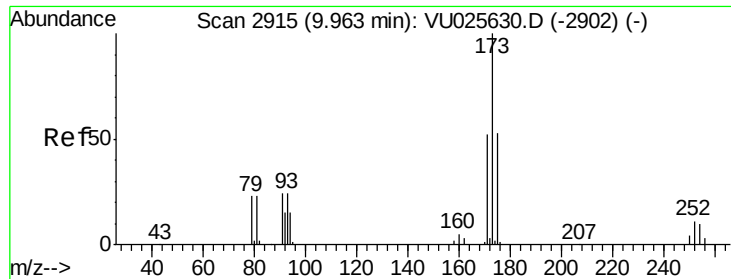
8/6/2018 5:38:54 PM



#66
Styrene
Concen: 10.72 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.8	40.2	60.2	
103	56.0	44.2	66.4	





#67
Bromoform
Concen: 10.44 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

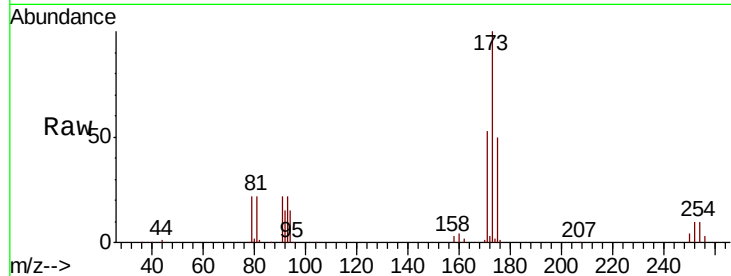
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	57.8
254	9.2	8.8	13.2

Manual Integrations
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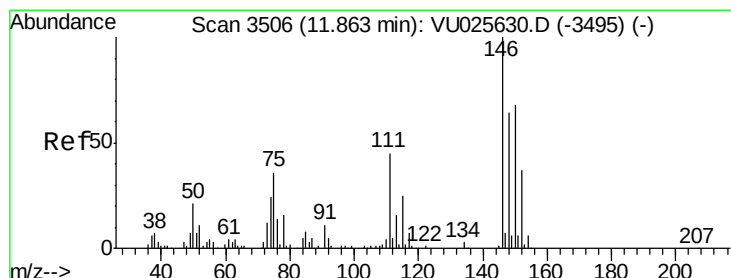
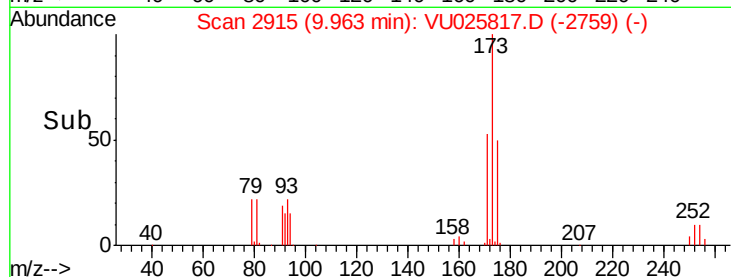
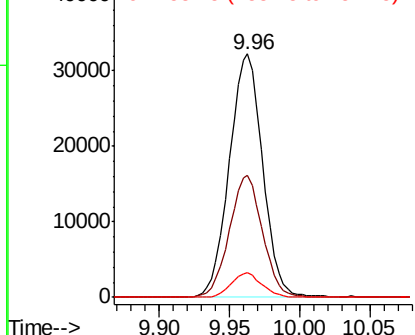


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 10.44 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

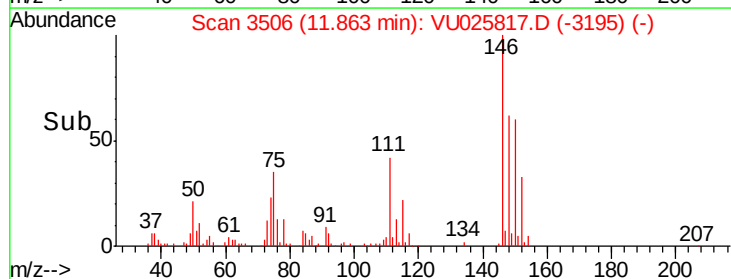
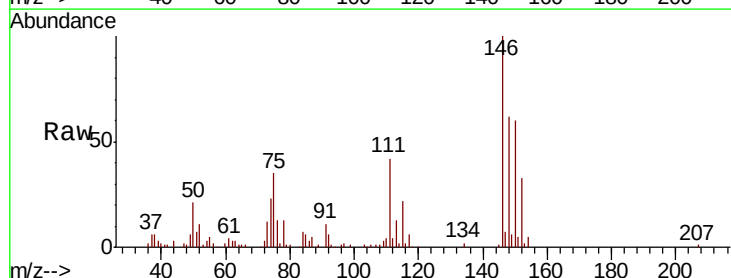
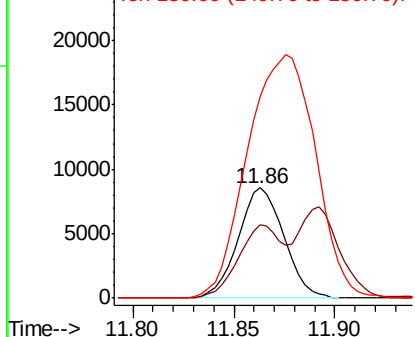
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	0.0	118.8
150	326.5	0.0	0.0#

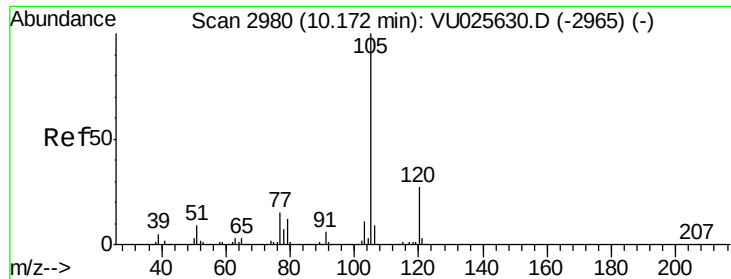
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.55 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 468478

Ion Ratio Lower Upper

105 100

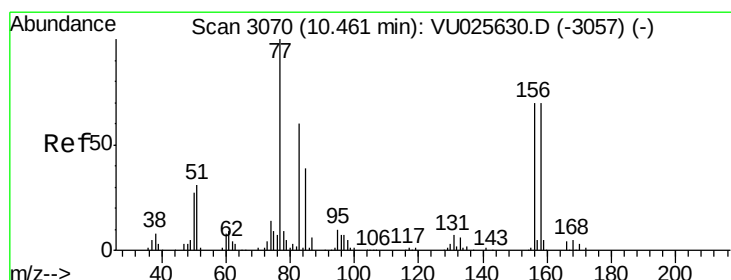
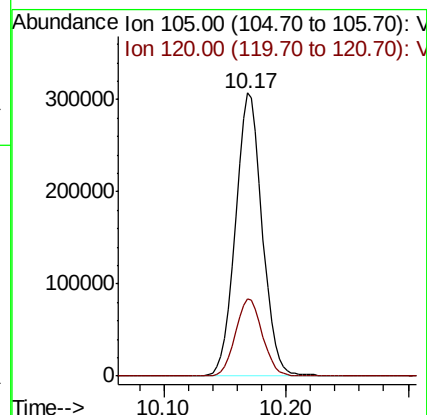
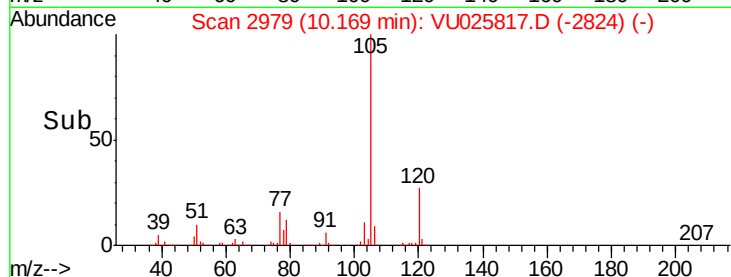
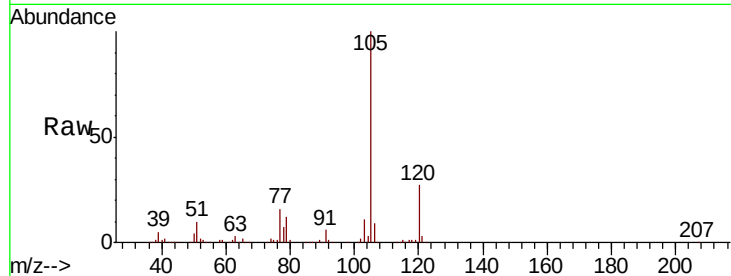
120 27.4 13.1 39.3

Manual Integrations

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8/6/2018 5:38:54 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 9.88 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

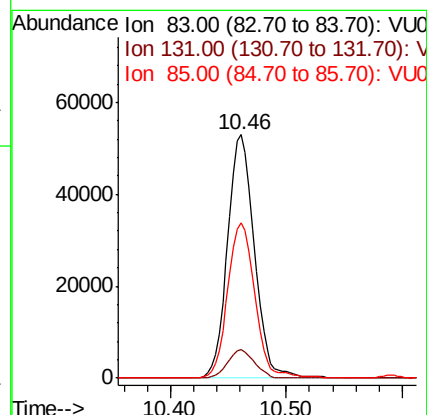
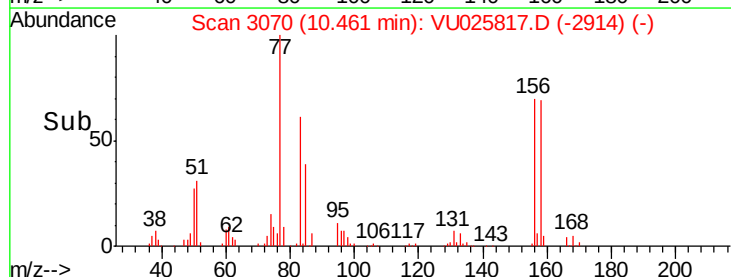
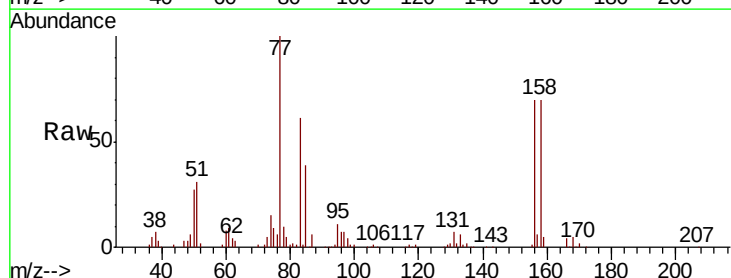
Tgt Ion: 83 Resp: 84614

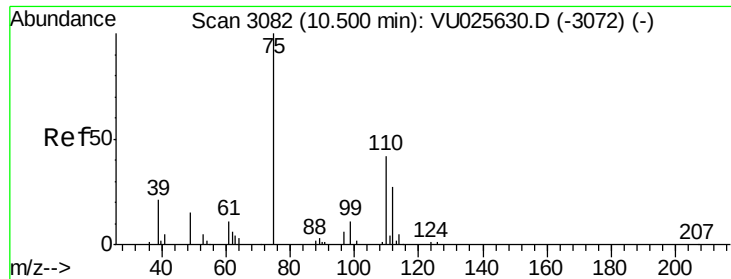
Ion Ratio Lower Upper

83 100

131 11.6 7.9 11.9

85 65.0 51.8 77.6





#71
 1,2,3-Trichloropropane
 Concen: 8.34 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

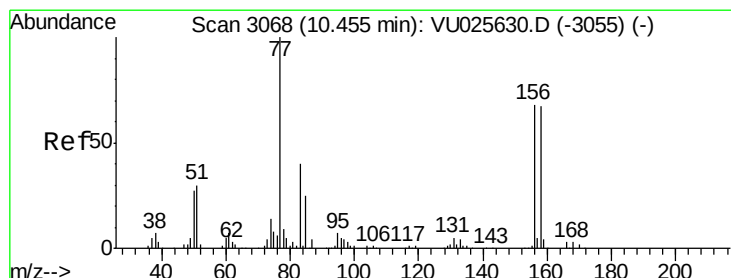
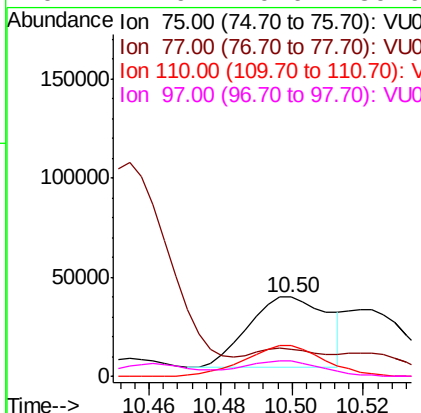
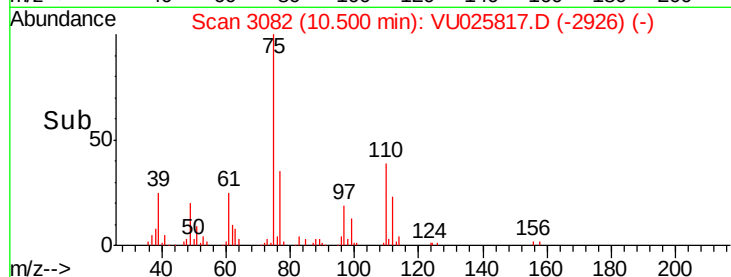
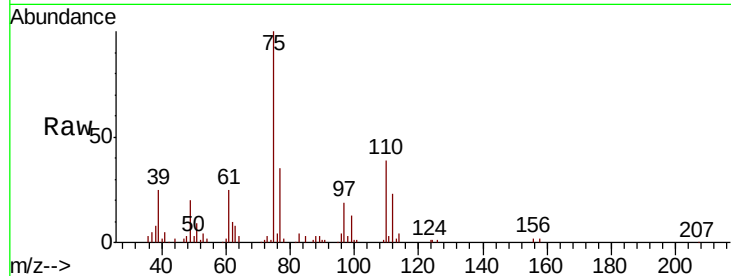
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	75	Resp:	55659
Ion Ratio	Lower	Upper	
75	100		
77	10.2	0.0	0.0#
110	43.5	0.0	74.0
97	21.9	0.0	39.6

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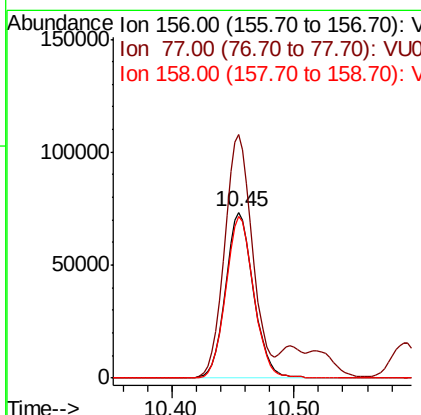
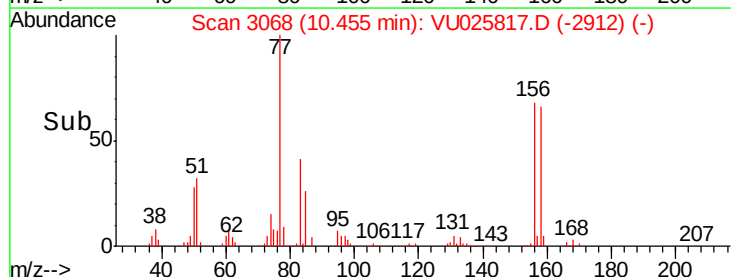
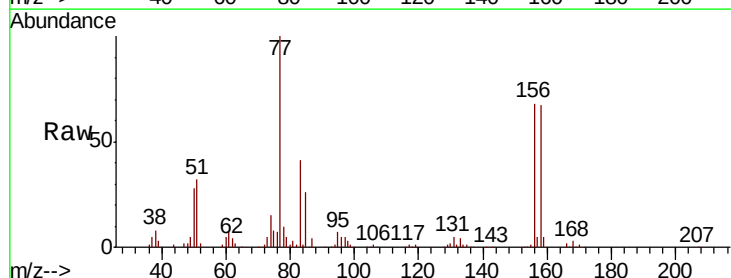
MMDadoda

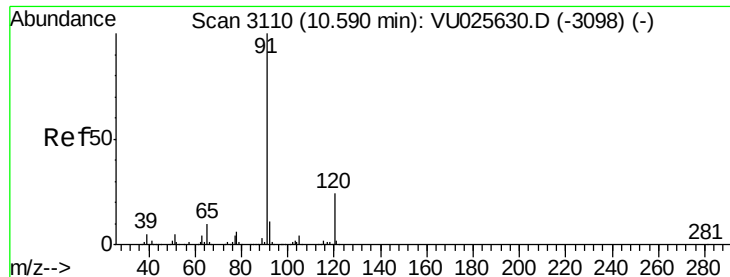
8/6/2018 5:38:54 PM



#72
 Bromobenzene
 Concen: 10.25 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion:	156	Resp:	118113
Ion Ratio	Lower	Upper	
156	100		
77	146.6	0.0	309.8
158	97.2	0.0	193.0





#73

n-propylbenzene

Concen: 10.81 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 135207

Ion Ratio Lower Upper

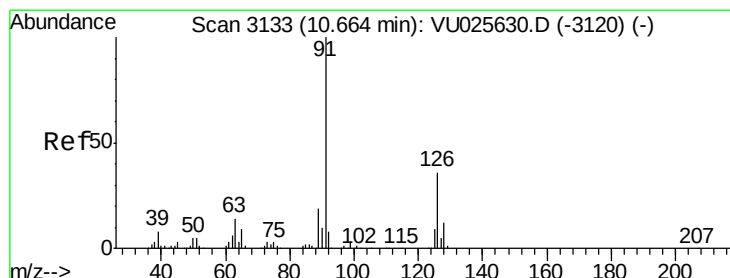
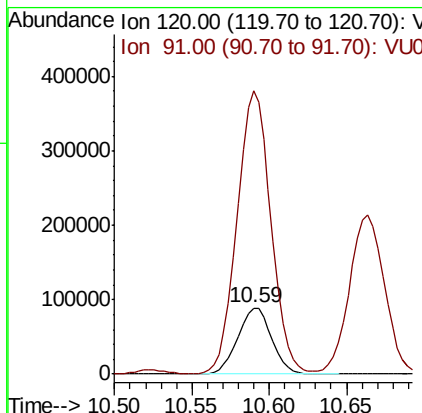
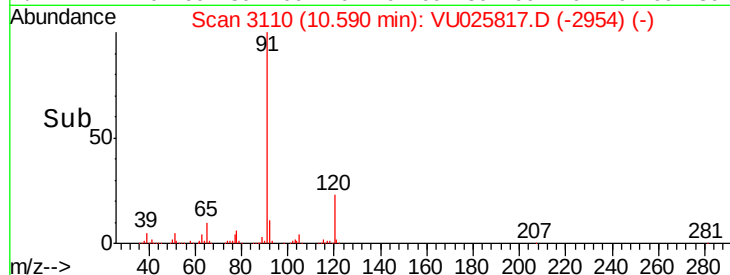
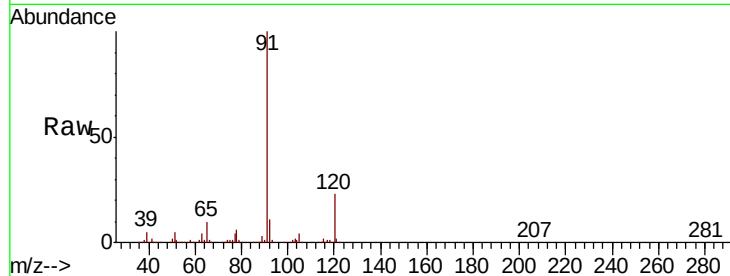
120 100

91 425.8 352.2 528.4

Manual Integrations
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8/6/2018 5:38:54 PM



#74

2-Chlorotoluene

Concen: 10.67 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025817.D

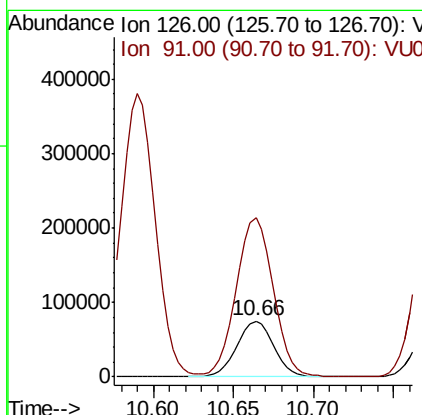
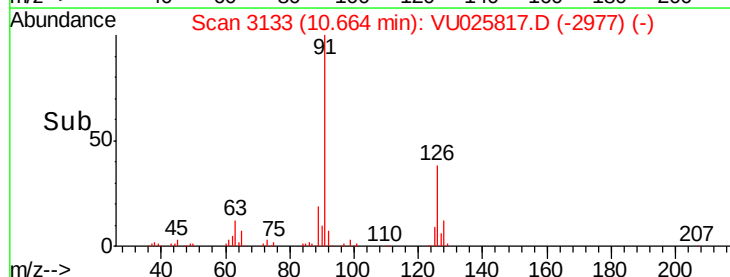
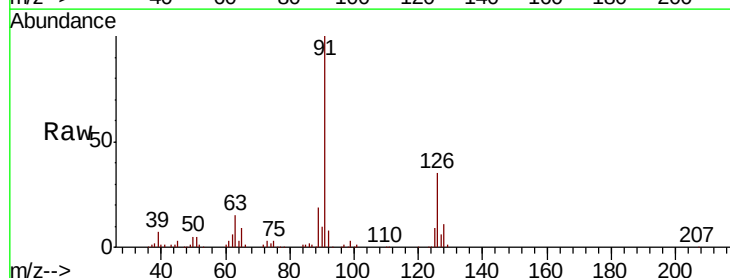
Acq: 03 Aug 2018 14:15

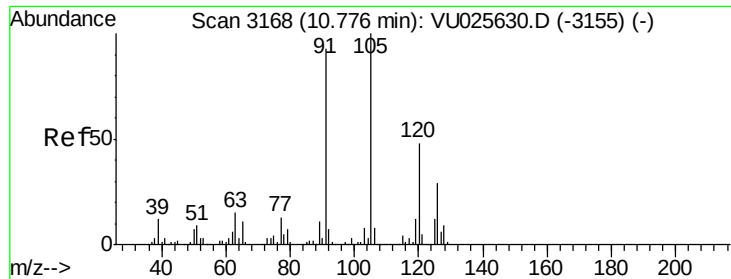
Tgt Ion:126 Resp: 117463

Ion Ratio Lower Upper

126 100

91 283.6 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 10.83 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 419973

Ion Ratio Lower Upper

105 100

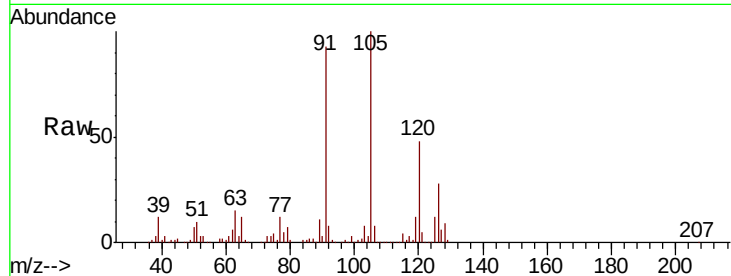
120 48.8 39.0 58.6

Manual Integrations

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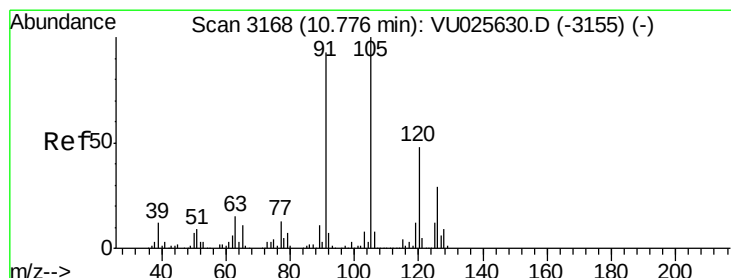
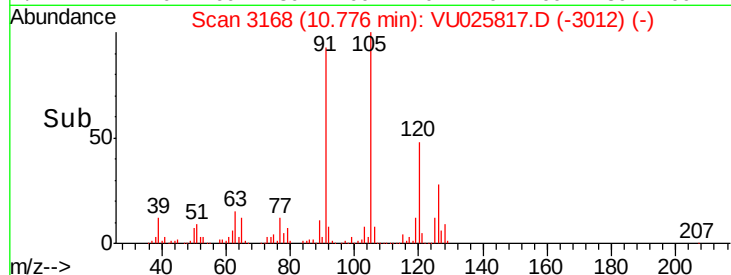
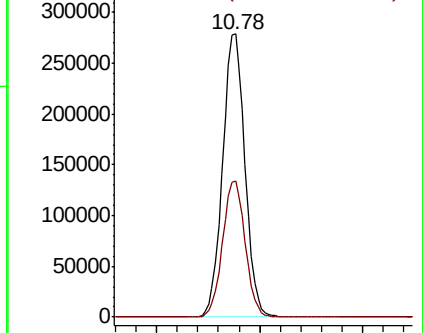
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 10.60 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025817.D

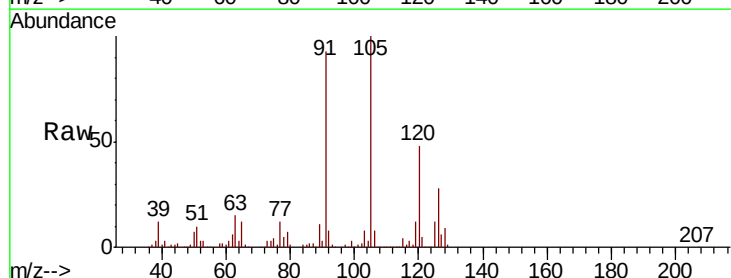
Acq: 03 Aug 2018 14:15

Tgt Ion:126 Resp: 122740

Ion Ratio Lower Upper

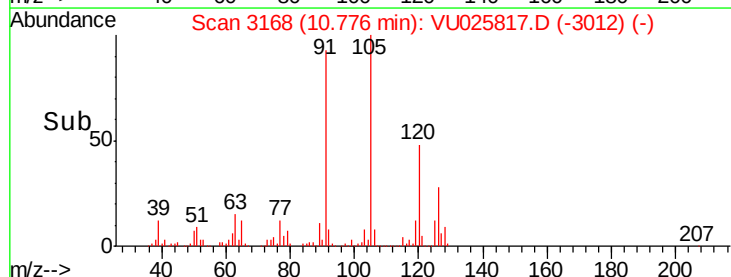
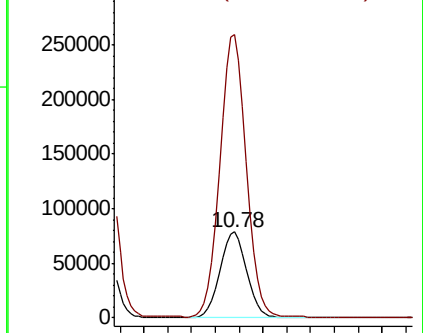
126 100

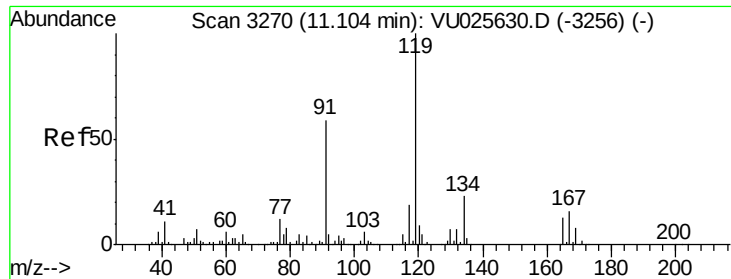
91 325.4 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
 tert-Butylbenzene
 Concen: 10.50 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

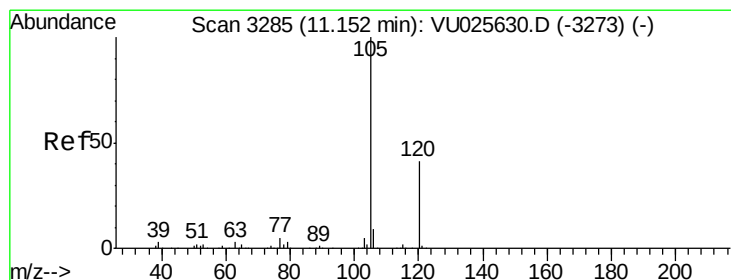
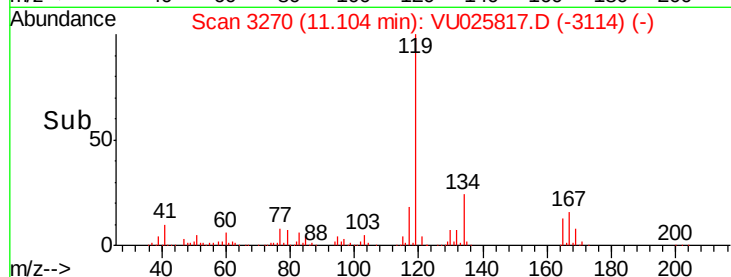
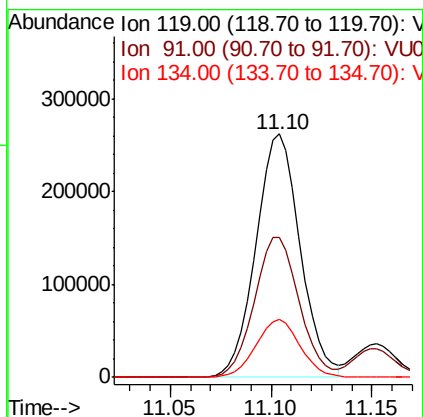
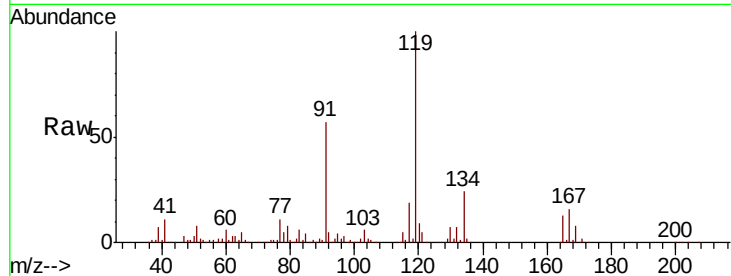
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	401389		
91	58.5		29.6	88.8
134	23.7		19.1	28.7

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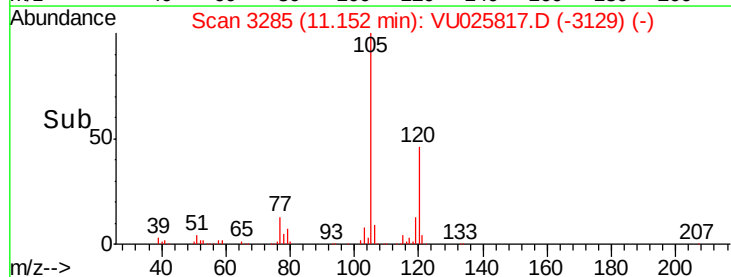
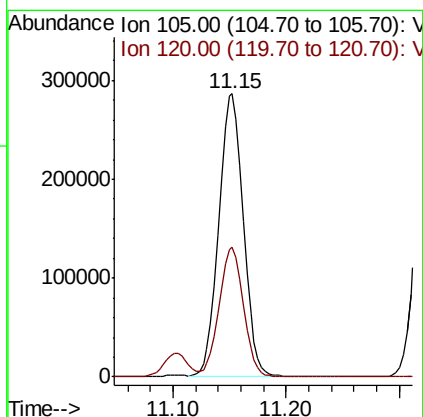
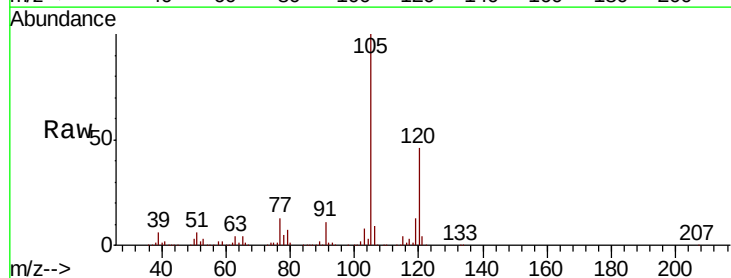
MMDadoda

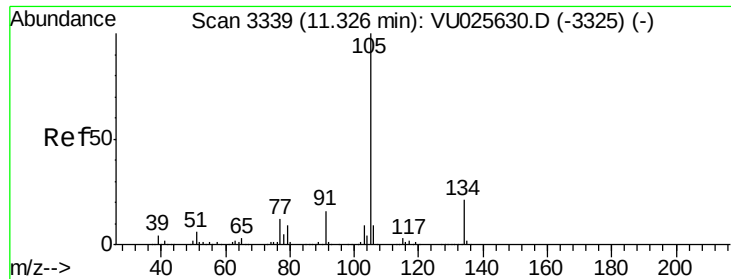
8/6/2018 5:38:54 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 10.97 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	434120		
120	45.4		23.1	69.3





#79

sec-Butylbenzene

Concen: 10.69 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 536885

Ion Ratio Lower Upper

105 100

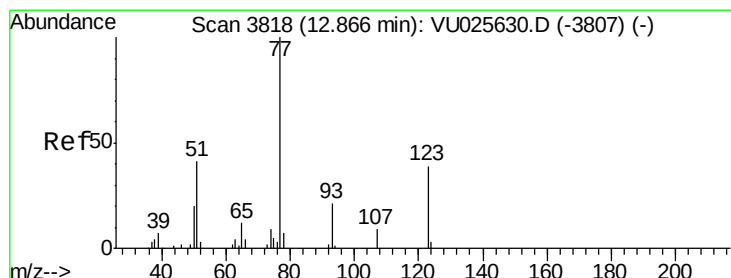
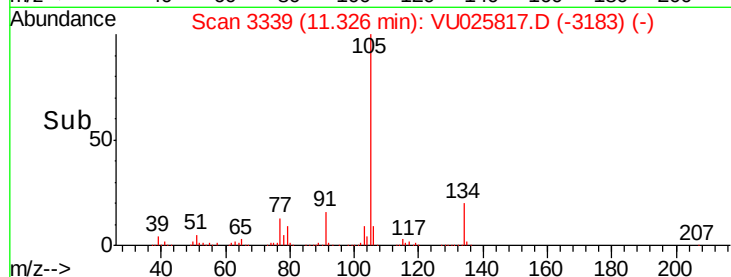
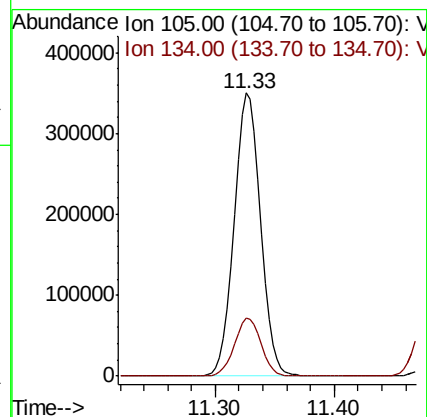
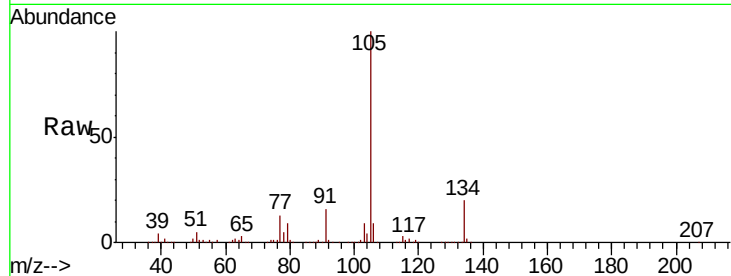
134 20.6 15.6 23.4

Manual Integrations

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8/6/2018 5:38:54 PM



#80

Nitrobenzene

Concen: 57.36 ug/l

RT: 12.87 min Scan# 3818

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

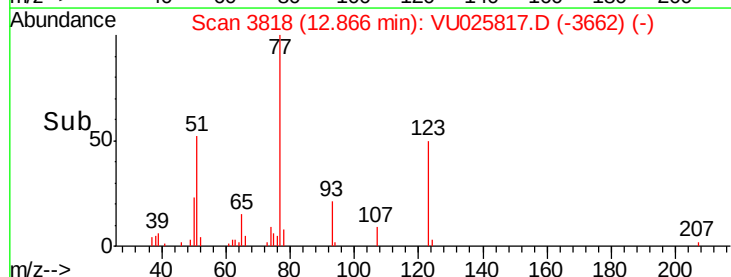
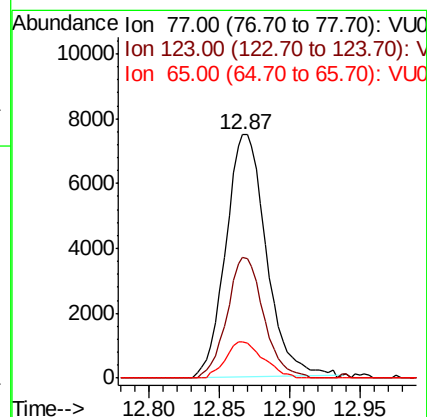
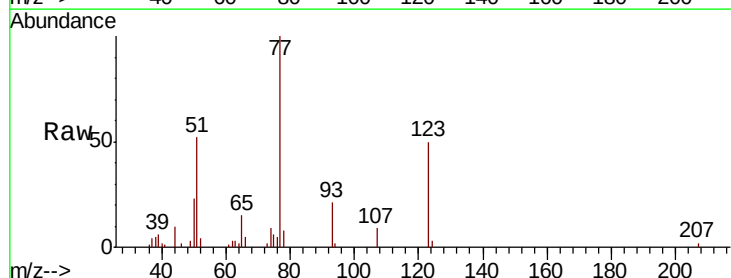
Tgt Ion: 77 Resp: 14950

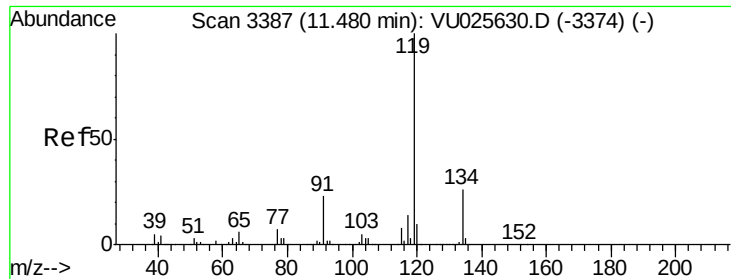
Ion Ratio Lower Upper

77 100

123 45.1 19.4 68.6

65 13.9 11.2 14.2





#81

p-Isopropyltoluene

Concen: 10.88 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

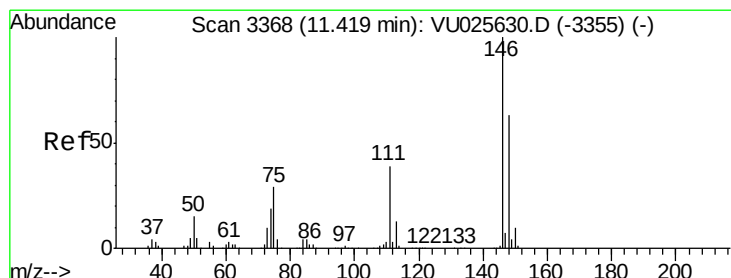
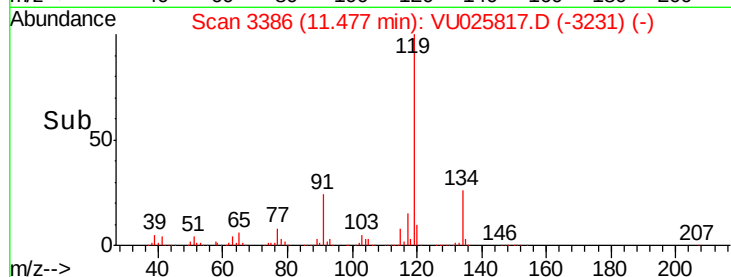
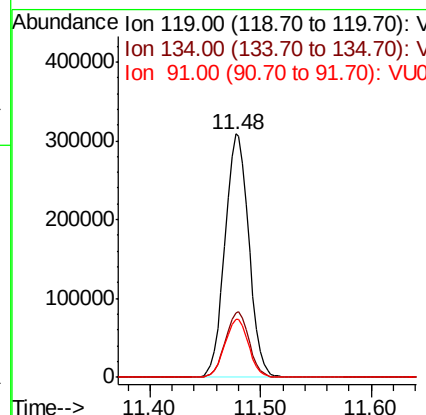
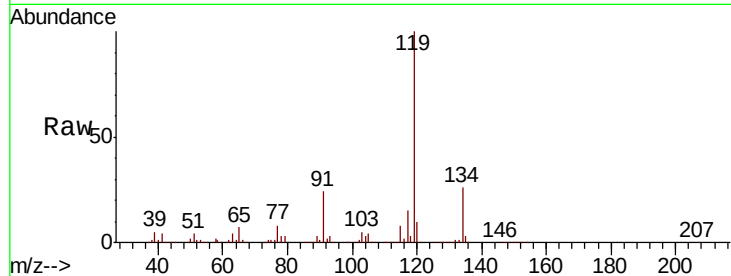
VSTDCCC010EC

Tot Ion:	119	Resp:	463263
Ion Ratio	Lower	Upper	
119	100		
134	26.7	20.9	31.3
91	23.6	18.2	27.2

Manual Integrations
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8/6/2018 5:38:54 PM



#82

1,3-Dichlorobenzene

Concen: 10.37 ug/l

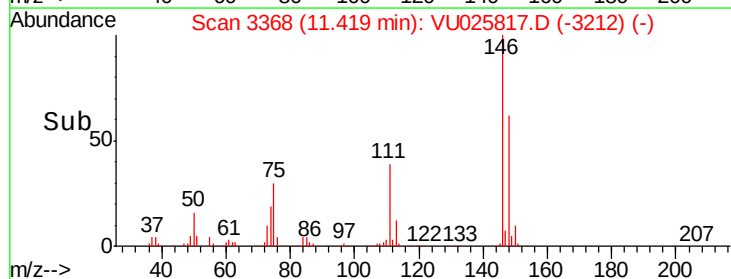
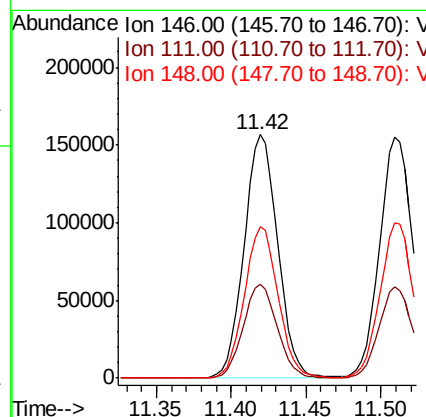
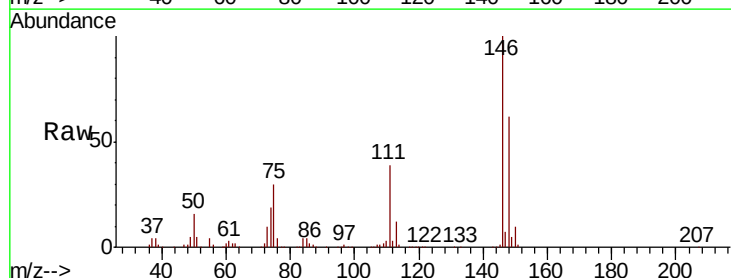
RT: 11.42 min Scan# 3368

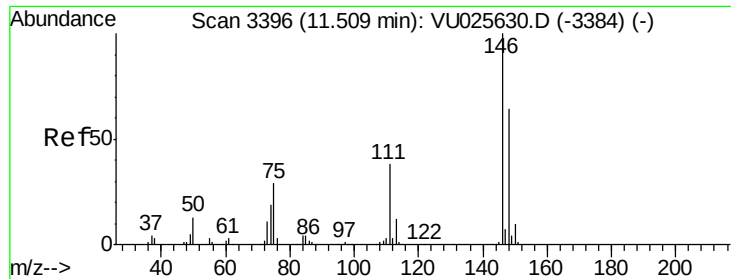
Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	146	Resp:	245967
Ion Ratio	Lower	Upper	
146	100		
111	38.8	31.8	47.6
148	62.2	51.0	76.4





#83
 1,4-Dichlorobenzene
 Concen: 10.56 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

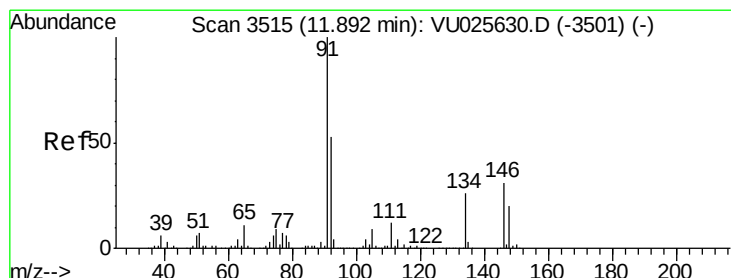
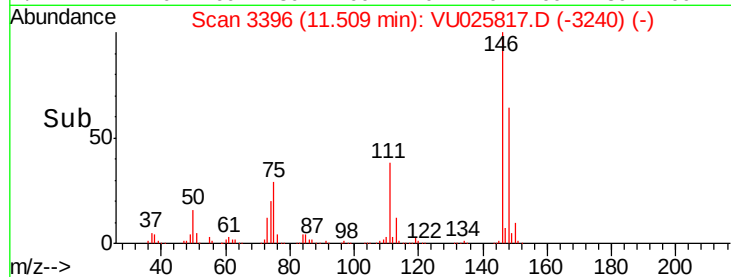
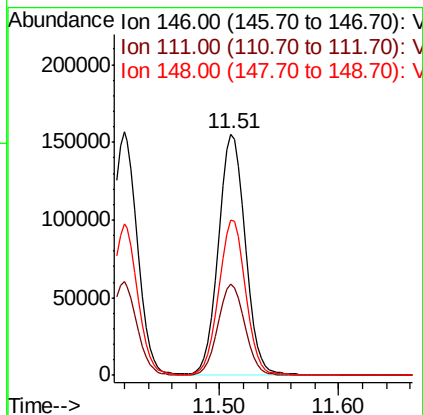
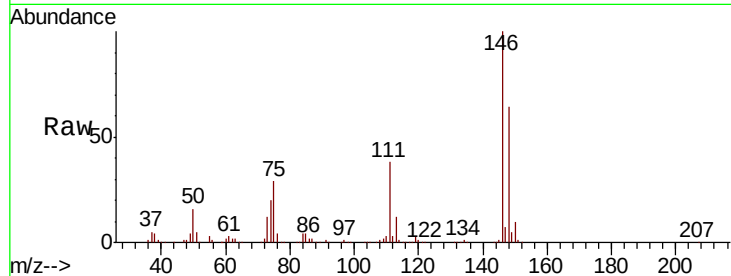
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	146	Resp:	244191
Ion Ratio	Lower	Upper	
146	100		
111	37.7	30.1	45.1
148	64.0	50.6	76.0

Manual Integrations
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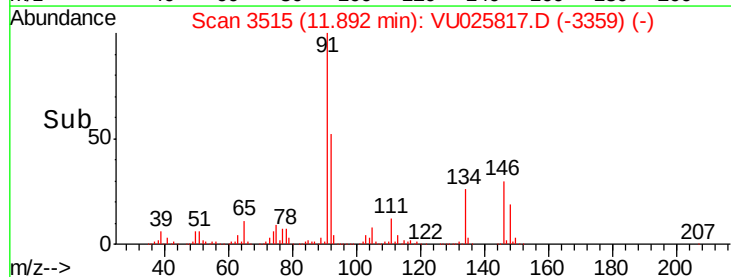
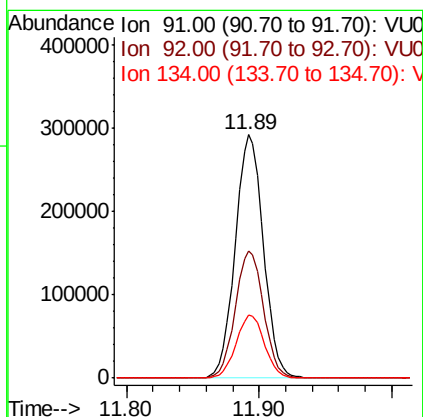
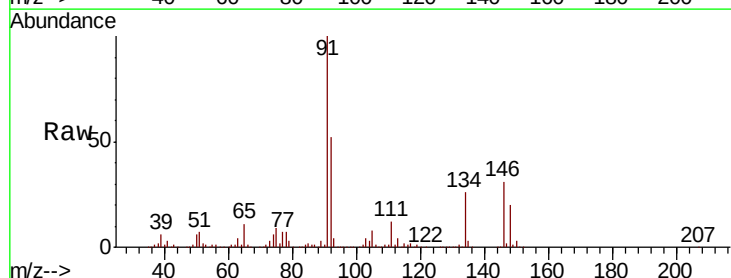
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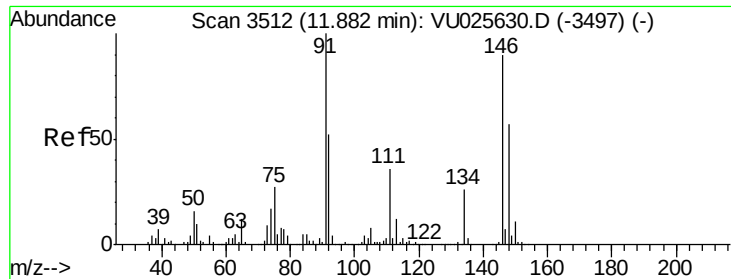
8/6/2018 5:38:54 PM



#84
 n-Butylbenzene
 Concen: 10.76 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion:	91	Resp:	430117
Ion Ratio	Lower	Upper	
91	100		
92	52.4	42.2	63.2
134	26.1	20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 10.35 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Instrument :

MSVOA_U

ClientSampleId :

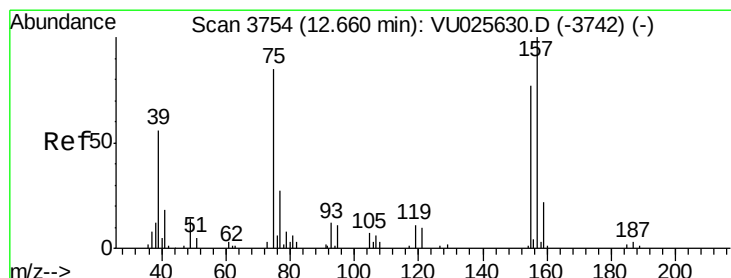
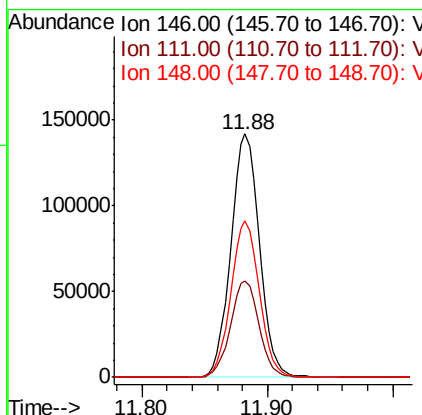
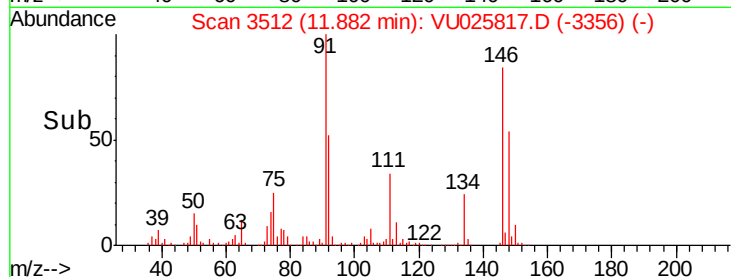
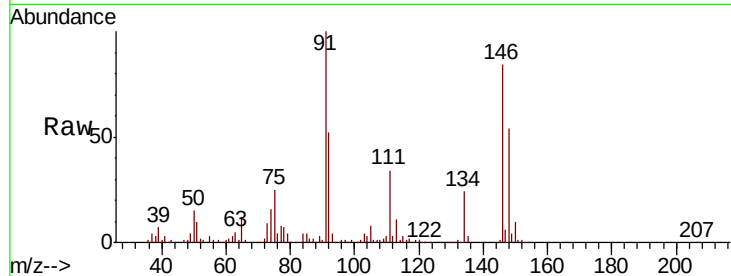
VSTDCCC010EC

Tot Ion:	146	Resp:	224100
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.7	62.1
148	64.1	31.9	95.5

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8/6/2018 5:38:54 PM



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.88 ug/l

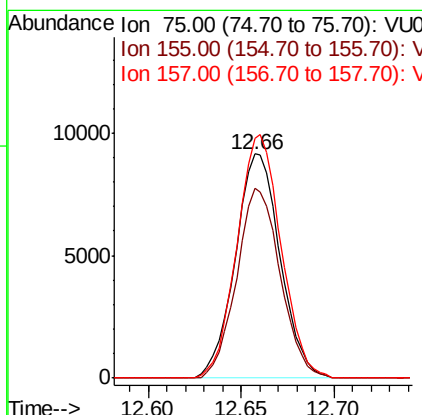
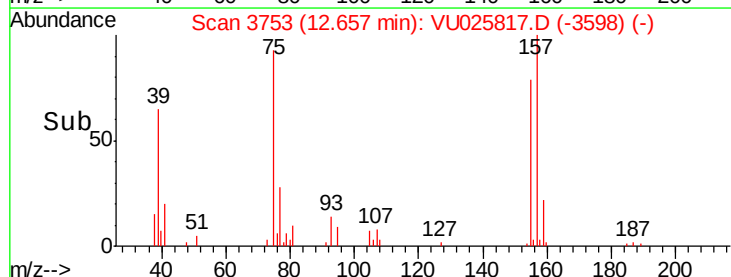
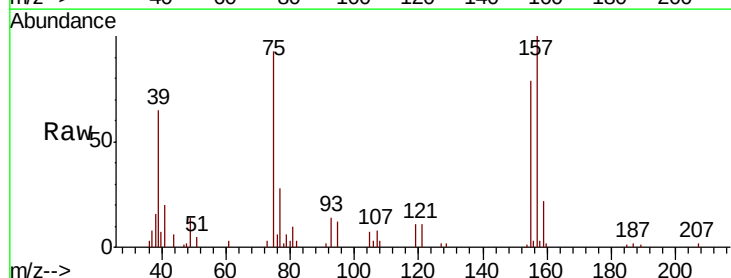
RT: 12.66 min Scan# 3753

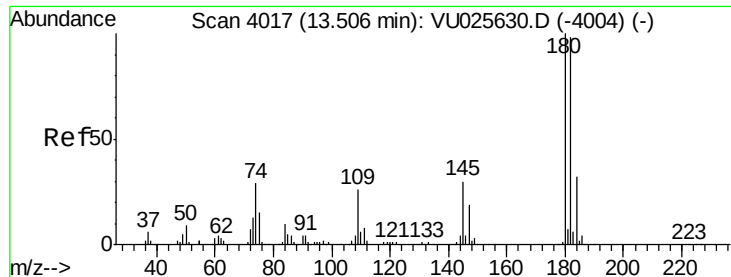
Delta R.T. -0.00 min

Lab File: VU025817.D

Acq: 03 Aug 2018 14:15

Tgt Ion:	75	Resp:	15369
Ion Ratio	Lower	Upper	
75	100		
155	82.0	65.8	98.6
157	106.8	83.5	125.3





#87
 1,2,4-Trichlorobenzene
 Concen: 10.46 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

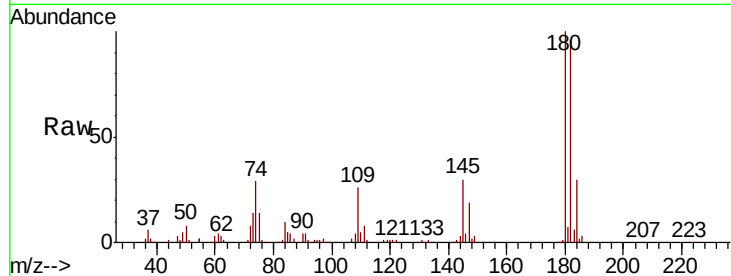
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	157705
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.1	115.7
145	29.6	23.3	34.9

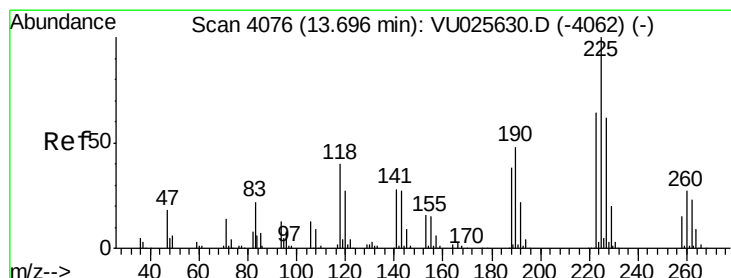
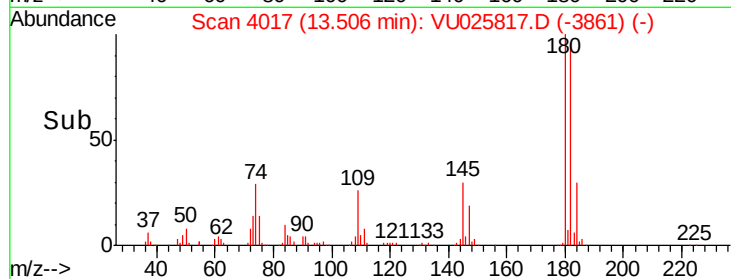
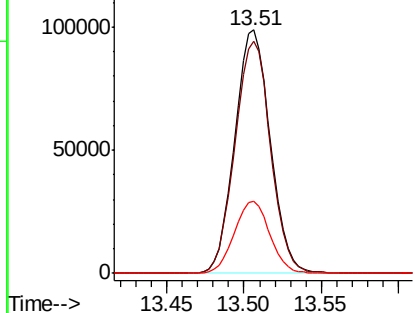
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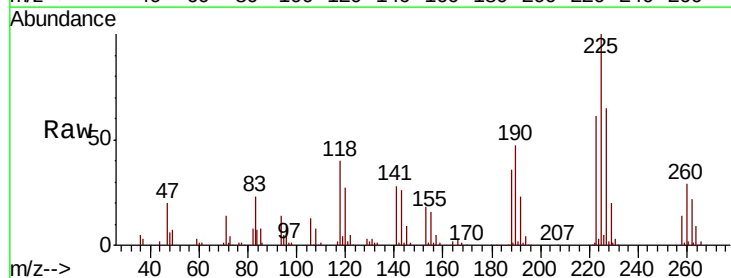


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

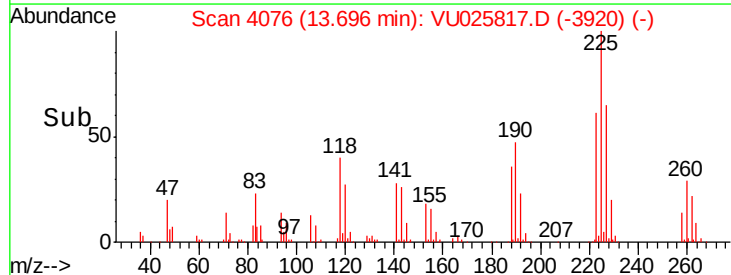
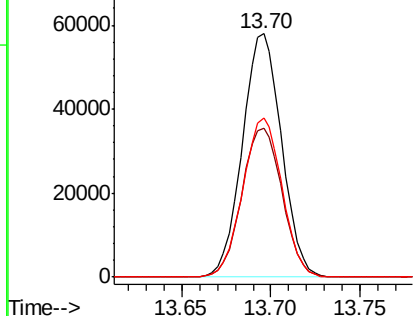


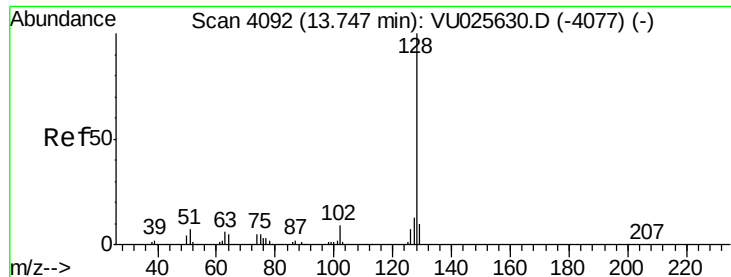
#88
 Hexachlorobutadiene
 Concen: 9.63 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025817.D
 Acq: 03 Aug 2018 14:15

Tgt Ion:	225	Resp:	89231
Ion Ratio	Lower	Upper	
225	100		
223	63.1	50.6	75.8
227	65.4	51.8	77.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89
Naphthalene
Concen: 10.42 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. -0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

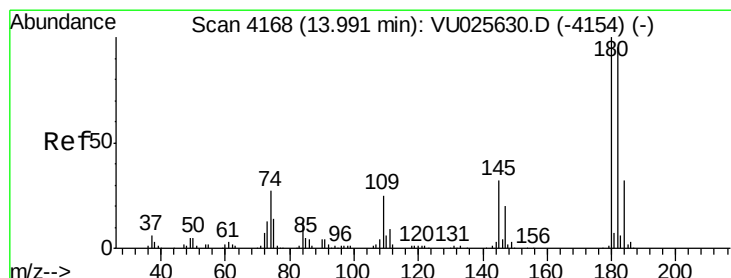
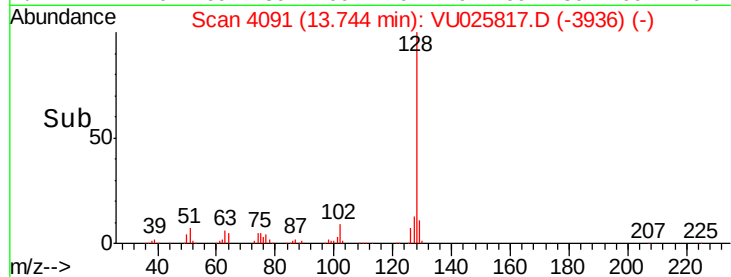
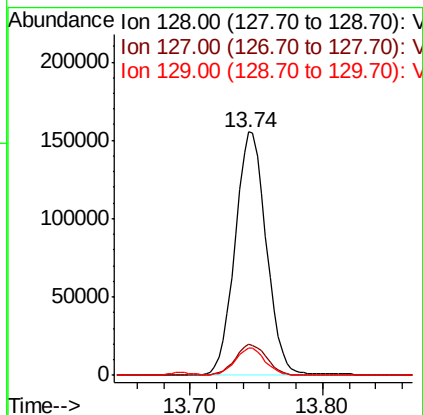
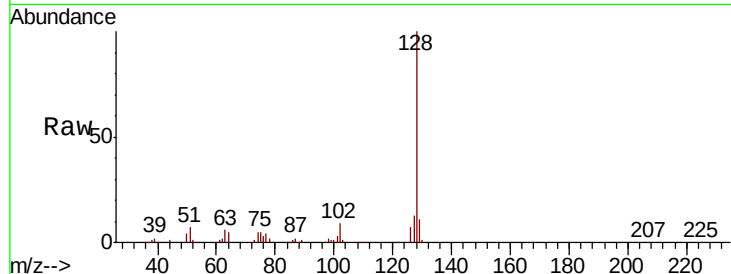
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	128	Resp:	254855
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.9	8.7	13.1

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8/6/2018 5:38:54 PM



#90
1,2,3-Trichlorobenzene
Concen: 10.56 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025817.D
Acq: 03 Aug 2018 14:15

Tgt Ion:	180	Resp:	145437
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.8	115.2
145	31.6	24.6	36.8

