

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026204.D
 Acq On : 20 Aug 2018 13:12
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda

8/21/2018 11:34:26 AM

Quant Time: Aug 20 13:32:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	38213	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13940	0.98	ug/l	0.00
Spiked Amount	1.000		Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15665	1.00	ug/l	0.00
Spiked Amount	1.000		Recovery	=	100.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	274390	20.14	ug/l	99
3) Chloromethane	1.33	50	230926	17.92	ug/l	100
4) Vinyl Chloride	1.40	62	237851	19.95	ug/l	100
5) Bromomethane	1.62	94	136925	23.58	ug/l	99
6) Chloroethane	1.70	64	134928	18.86	ug/l	97
7) Trichlorofluoromethane	1.89	101	344803	19.83	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	188401	19.73	ug/l	98
9) 1,1-Dichloroethene	2.28	96	163084	19.36	ug/l	95
10) Iodomethane	2.41	142	282675	32.41	ug/l	93
11) Allyl Chloride	2.59	41	284485	20.20	ug/l	87
12) Acrylonitrile	2.94	53	72207	38.88	ug/l	97
13) Acetone	2.32	43	150926	93.44	ug/l	94
14) Carbon Disulfide	2.48	76	567287	19.69	ug/l	100
15) Methylene Chloride	2.70	84	181379	18.06	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	186581	19.75	ug/l	93
17) 1,1-Dichloroethane	3.45	63	344290	18.38	ug/l	98
18) 2-Butanone	4.28	43	276699	98.72	ug/l	99
19) Cyclohexane	5.00	56	298003	20.63	ug/l	86
20) Methylcyclohexane	6.42	83	368712	20.81	ug/l	94
21) 2,2-Dichloropropane	4.23	77	353729	19.80	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	237470	19.97	ug/l	93
23) Diethyl Ether	2.10	59	127903	20.04	ug/l	96
24) tert-Butyl Alcohol	2.84	59	124416	165.99	ug/l #	81
25) Methyl tert-Butyl Ether	3.00	73	438376	19.24	ug/l	98
26) Bromochloromethane	4.55	128	107244	20.48	ug/l	83
27) Chloroform	4.68	83	401597	19.51	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	361859	19.49	ug/l	97
29) 1,1-Dichloropropene	5.14	75	308835	20.28	ug/l	98
30) Carbon Tetrachloride	5.14	117	344883	20.45	ug/l	98
31) Isopropyl Ether	3.58	45	606691	20.21	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	555992	19.49	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	504618	20.04	ug/l	98
34) Propionitrile	4.33	54	79512	102.10	ug/l #	94
35) Benzene	5.39	78	857235	20.13	ug/l	100
36) 1,2-Dichloroethane	5.41	62	256387	19.62	ug/l	99
37) Trichloroethene	6.19	130	239316	19.08	ug/l	99
38) 1,2-Dichloropropane	6.44	63	220759	19.98	ug/l	98
39) Methacrylonitrile	4.55	41	69856	19.48	ug/l	91
40) Methyl acrylate	4.43	55	106959	19.78	ug/l #	96
41) Tetrahydrofuran	4.65	42	69822	32.96	ug/l	92
42) 1-Chlorobutane	5.07	56	422669	20.36	ug/l	98

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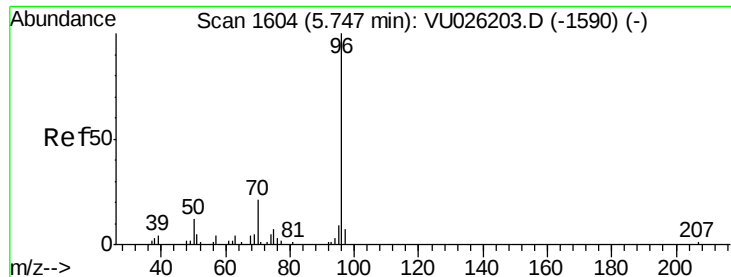
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	115169	19.97	ug/l	97
44) Bromodichloromethane	6.76	83	300324	20.55	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	653232	101.57	ug/l	96
46) t-1,4-Dichloro-2-butene	10.52	75	126208m	44.17	ug/l	
47) Methyl methacrylate	6.63	69	204627	42.43	ug/l	95
48) Ethyl methacrylate	8.02	69	204820	21.14	ug/l	96
49) Toluene	7.64	92	542285	20.84	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	277774	21.06	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	327025	20.69	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	158431	20.49	ug/l	96
53) 1,3-Dichloropropane	8.25	76	271296	20.79	ug/l	98
54) 2-Hexanone	8.37	43	465439	102.48	ug/l	97
55) Dibromochloromethane	8.48	129	217907	22.17	ug/l	99
56) 1,2-Dibromoethane	8.59	107	157287	21.02	ug/l	99
58) Tetrachloroethene	8.23	164	224478	19.91	ug/l	99
59) Chlorobenzene	9.12	112	607159	20.29	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	231504	20.84	ug/l	99
61) Pentachloroethane	11.10	117	188512	22.23	ug/l	97
62) Hexachloroethane	12.15	117	203760	23.53	ug/l	99
63) Ethyl Benzene	9.25	91	1065145	21.40	ug/l	99
64) m/p-Xylenes	9.38	106	845295	43.21	ug/l	97
65) o-Xylene	9.78	106	400831	21.50	ug/l	98
66) Styrene	9.80	104	701197	22.15	ug/l	99
67) Bromoform	9.96	173	132168	22.79	ug/l #	99
69) Isopropylbenzene	10.17	105	1077481	21.39	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	203650	20.96	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	147268m	19.45	ug/l	
72) Bromobenzene	10.45	156	273317	20.90	ug/l	94
73) n-propylbenzene	10.59	120	317337	22.36	ug/l	93
74) 2-Chlorotoluene	10.66	126	266060	21.29	ug/l	90
75) 1,3,5-Trimethylbenzene	10.77	105	955066	21.72	ug/l	100
76) 4-Chlorotoluene	10.77	126	278518	21.21	ug/l	96
77) tert-Butylbenzene	11.10	119	937469	21.62	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	994852	22.16	ug/l	99
79) sec-Butylbenzene	11.33	105	1245451	21.85	ug/l	98
80) Nitrobenzene	12.86	77	50119	169.50	ug/l #	98
81) p-Isopropyltoluene	11.48	119	1079873	22.35	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	563369	20.94	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	563975	21.50	ug/l	99
84) n-Butylbenzene	11.89	91	1030442	22.73	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	518639	21.11	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	36020	22.47	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	392460	22.95	ug/l	99
88) Hexachlorobutadiene	13.69	225	221960	21.12	ug/l	99
89) Naphthalene	13.74	128	682922	24.60	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	363481	23.26	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026204.D

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Instrument :

MSVOA_U

ClientSampleId :

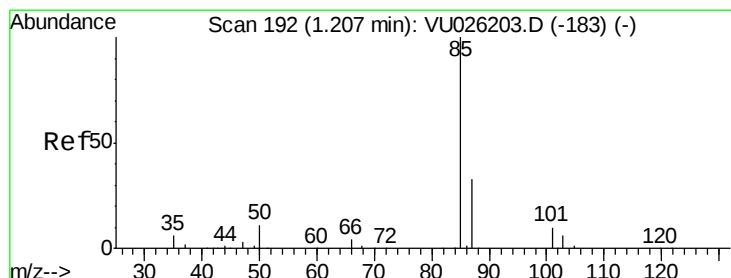
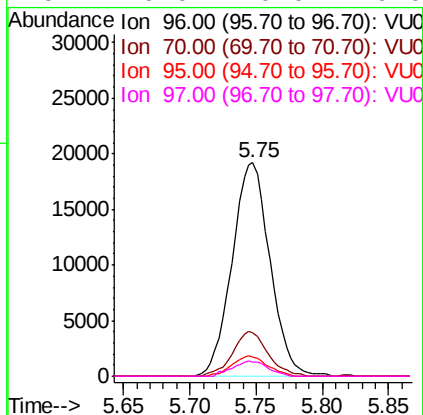
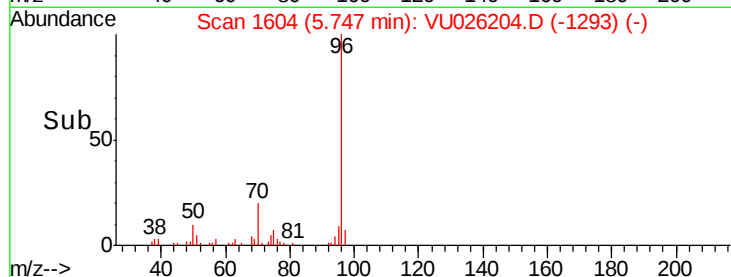
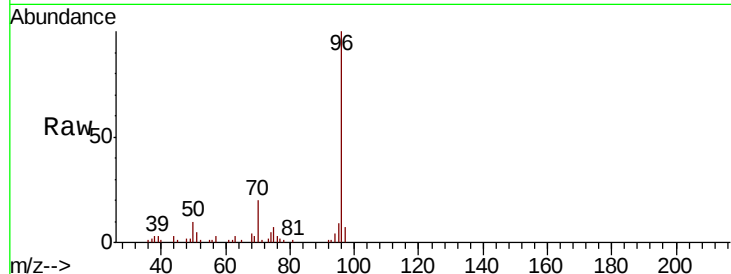
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		38213		
70	19.4	16.2	24.4		
95	0.0	6.9	10.3		
97	0.0	0.0	0.0		

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#2

Dichlorodifluoromethane

Concen: 20.14 ug/l

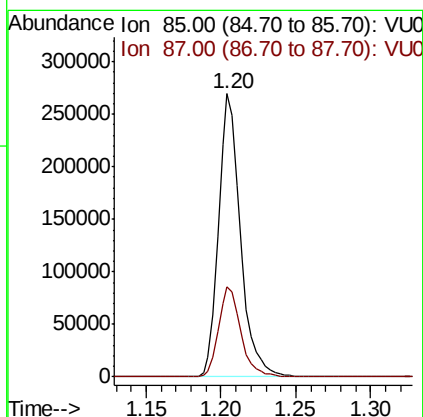
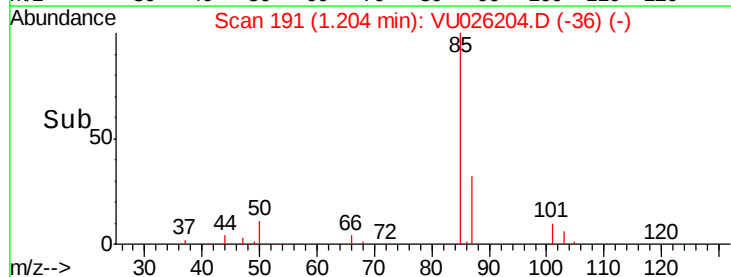
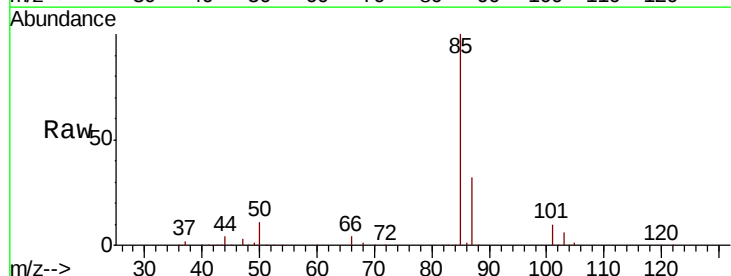
RT: 1.20 min Scan# 191

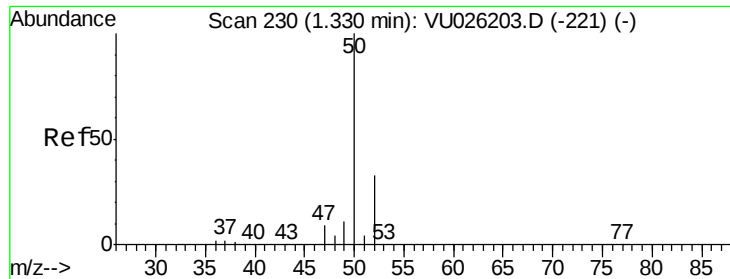
Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		274390		
87	31.9	16.2	48.5		





#3

Chloromethane

Concen: 17.92 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 230926

Ion Ratio Lower Upper

50 100

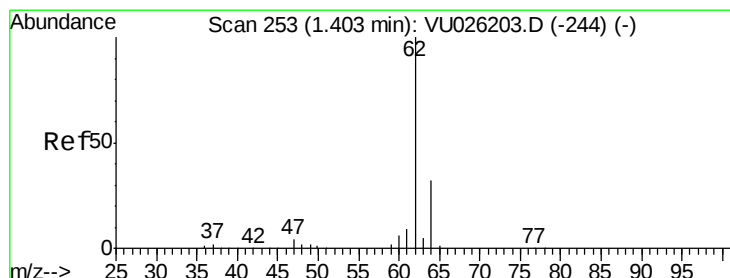
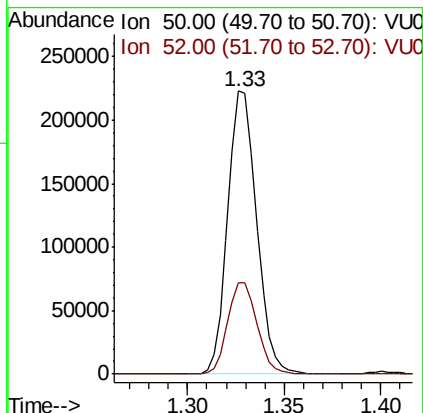
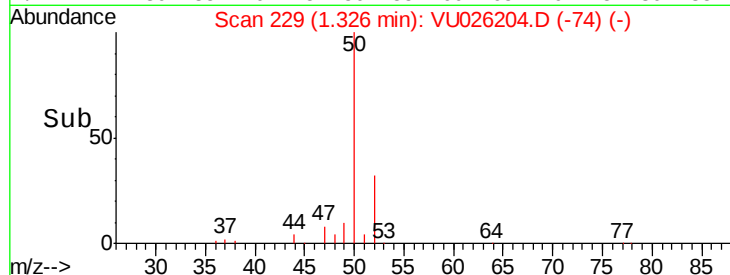
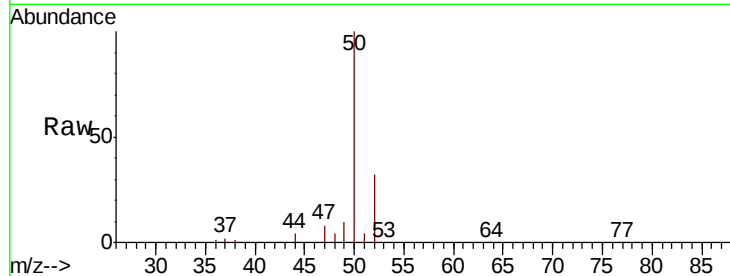
52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.95 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026204.D

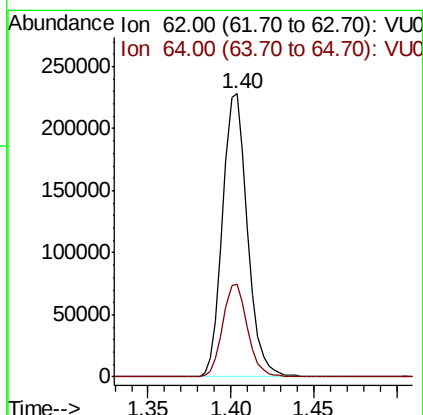
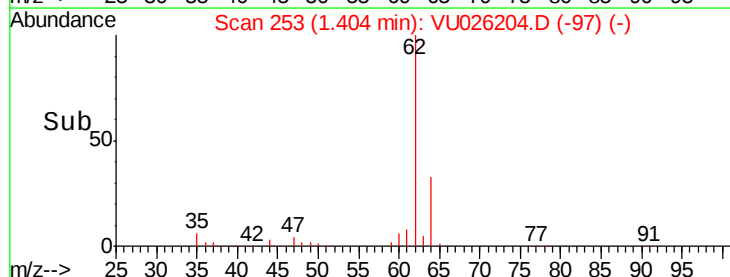
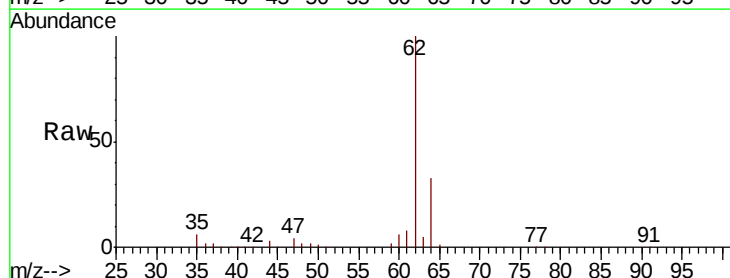
Acq: 20 Aug 2018 13:12

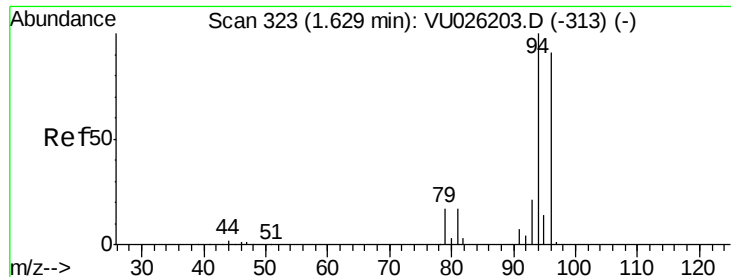
Tgt Ion: 62 Resp: 237851

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 23.58 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.01 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 136925

Ion Ratio Lower Upper

94 100

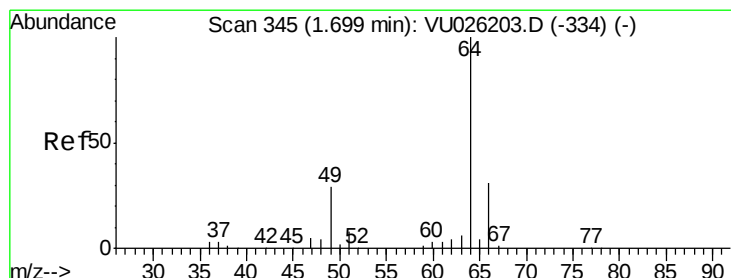
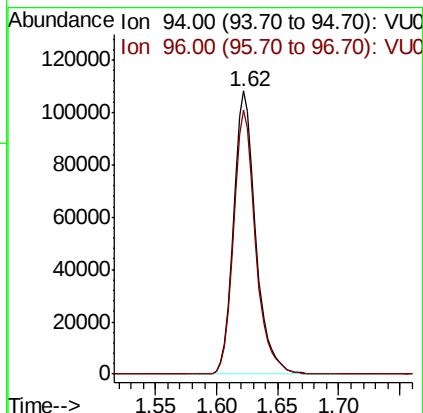
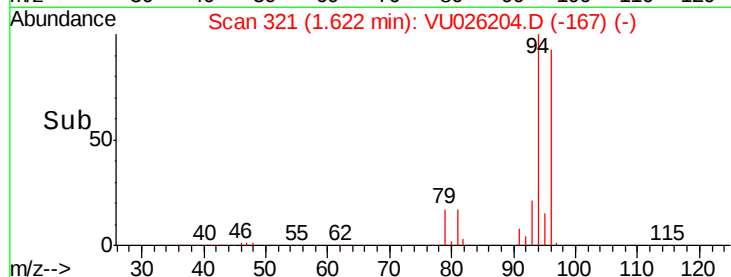
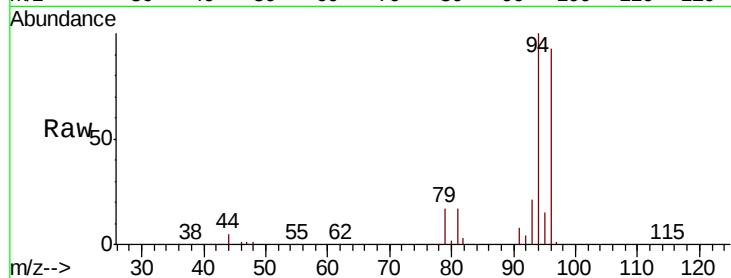
96 93.3 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 18.86 ug/l

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026204.D

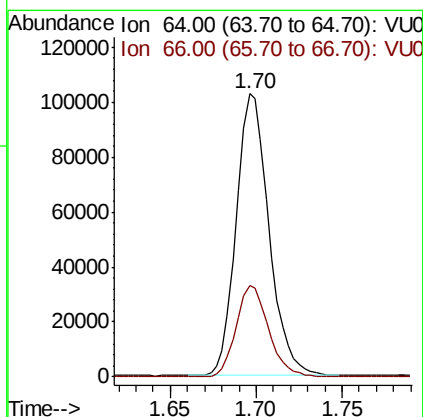
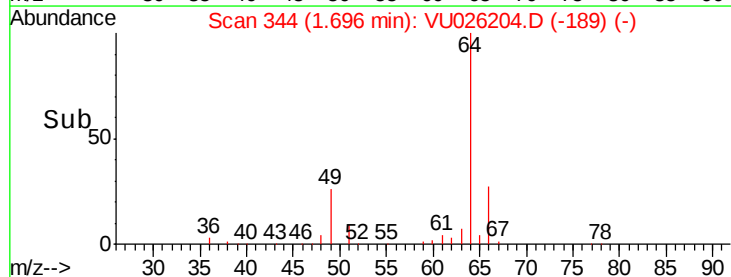
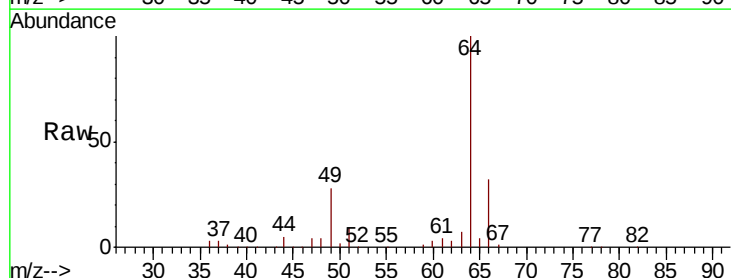
Acq: 20 Aug 2018 13:12

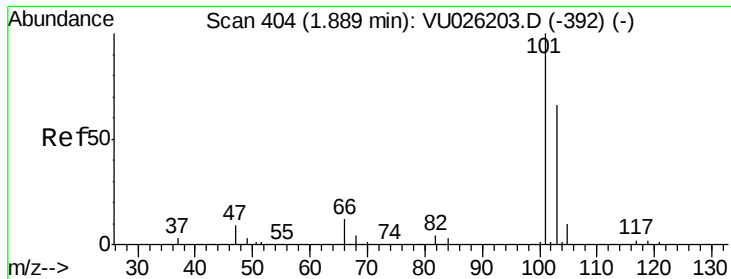
Tgt Ion: 64 Resp: 134928

Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3





#7

Trichlorofluoromethane
 Concen: 19.83 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

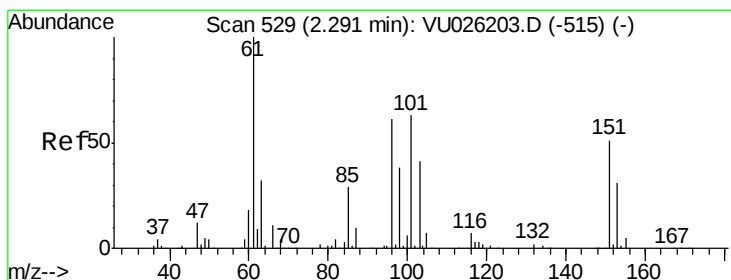
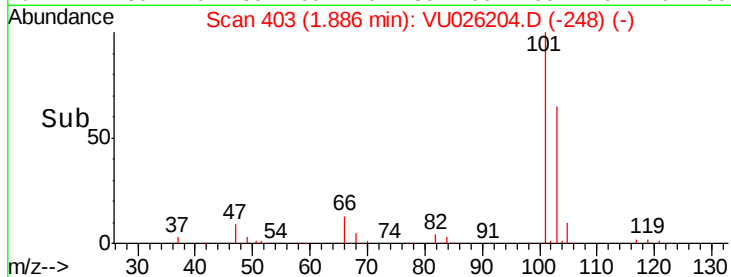
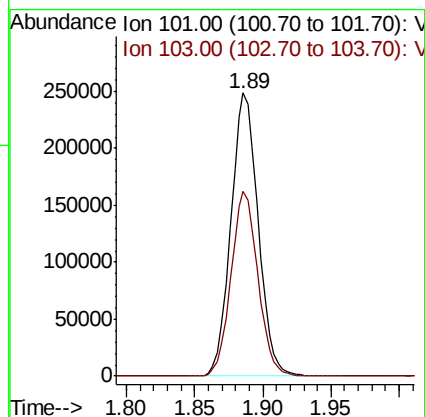
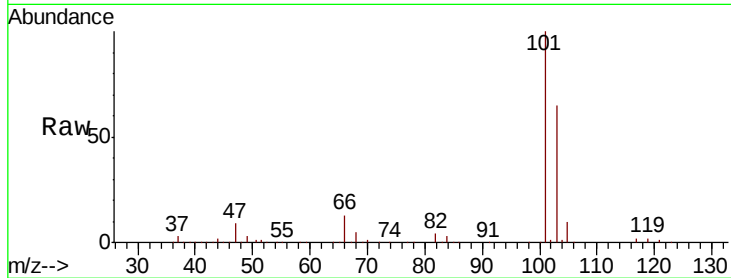
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		344803		
103	65.2	51.4	77.0		

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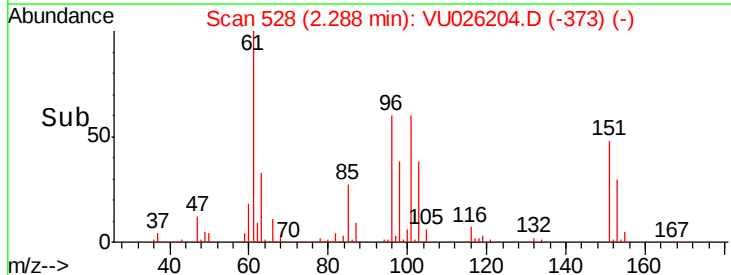
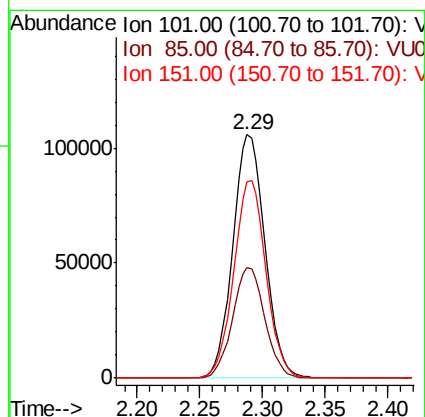
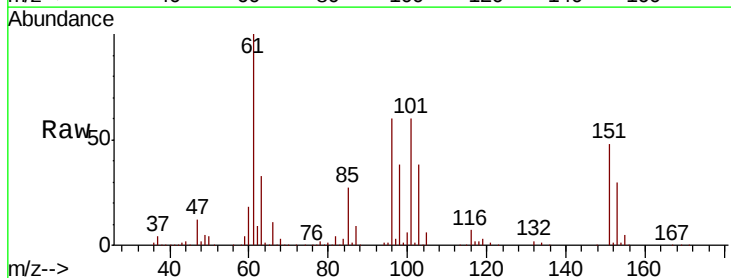
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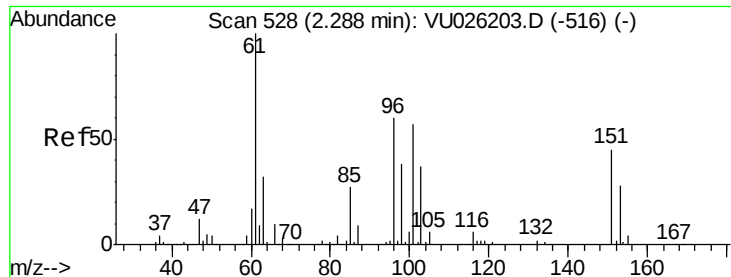


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.73 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		188401		
85	45.5	35.2	52.8		
151	81.3	63.5	95.3		





#9

1,1-Dichloroethene

Concen: 19.36 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

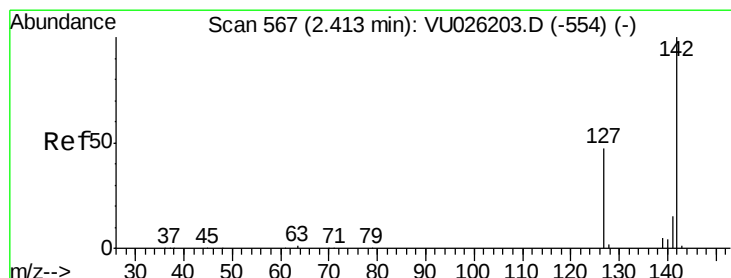
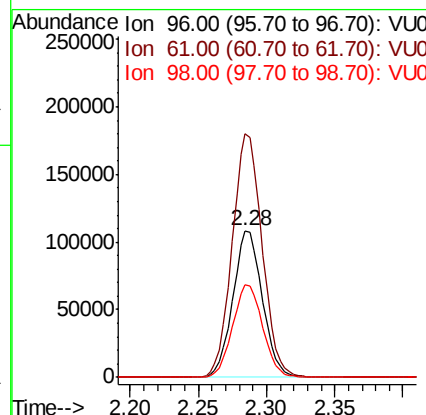
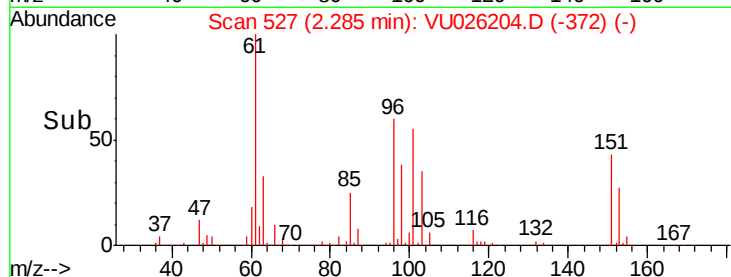
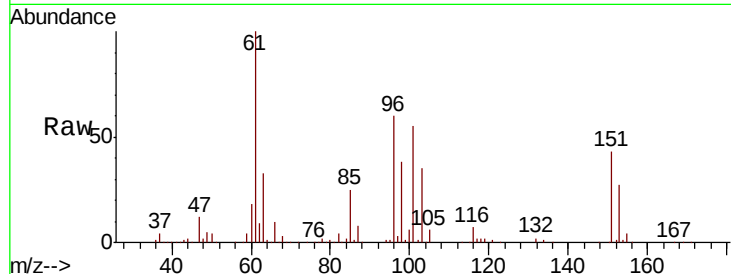
VSTDIC020

Tot Ion:	96	Resp:	163084
Ion	Ratio	Lower	Upper
96	100		
61	166.4	0.0	526.5
98	63.0	0.0	123.4

Manual Integrations
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#10

Iodomethane

Concen: 32.41 ug/l

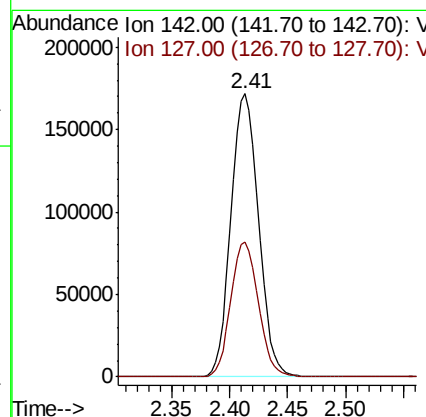
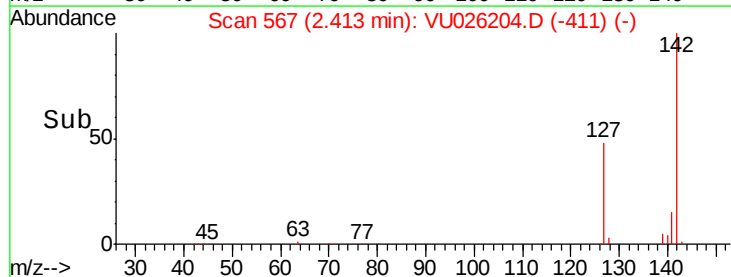
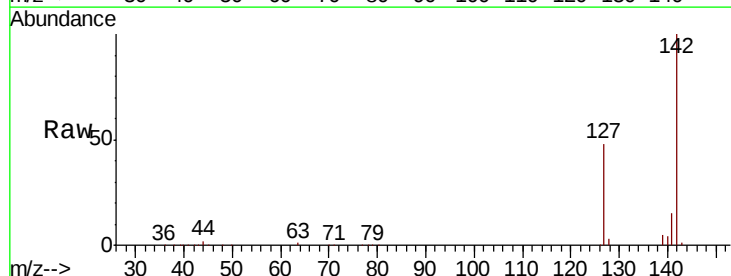
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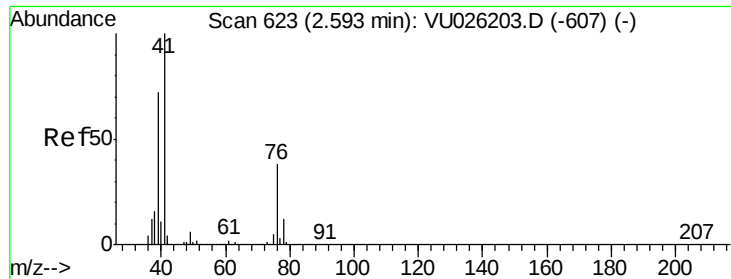
Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Tgt Ion:	142	Resp:	282675
Ion	Ratio	Lower	Upper
142	100		
127	47.4	34.5	51.7





#11
Allvl Chloride
Concen: 20.20 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

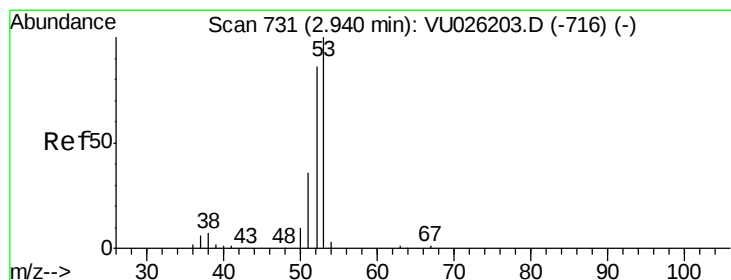
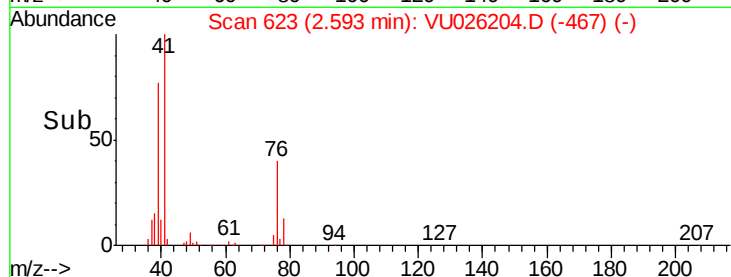
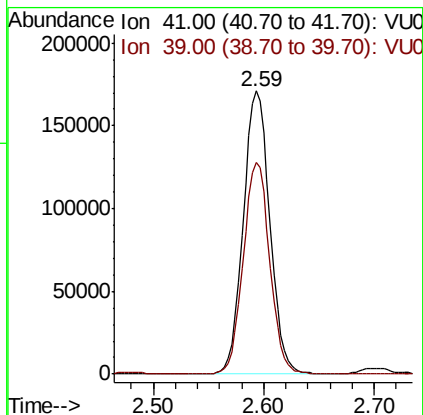
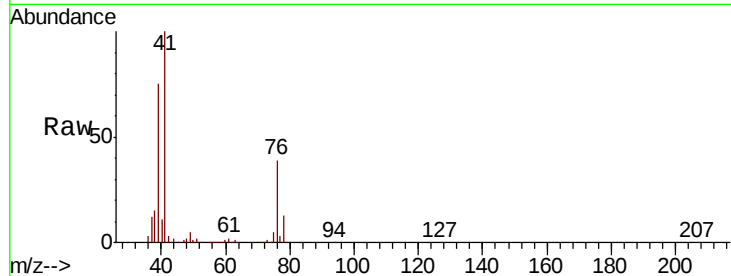
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.3	51.4	77.2

Manual Integrations
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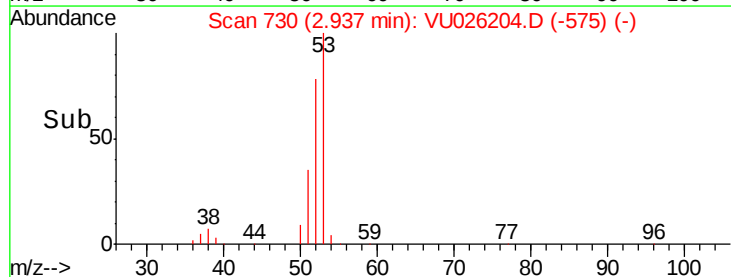
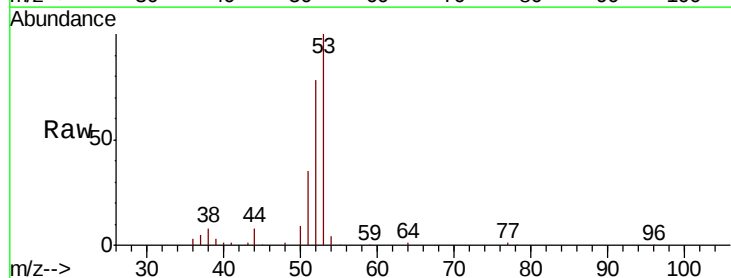
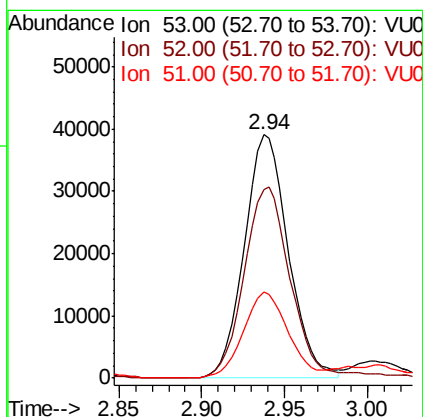
MMDadoda

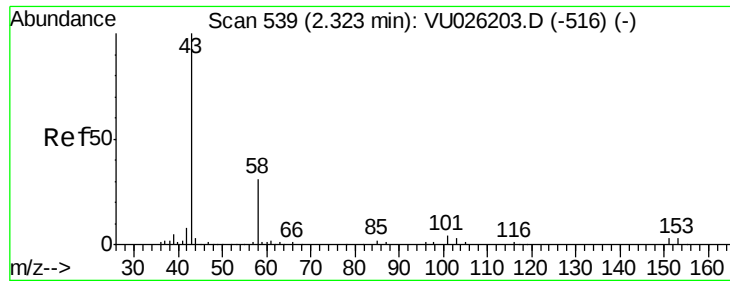
8/21/2018 11:34:26 AM



#12
Acrylonitrile
Concen: 38.88 ug/l
RT: 2.94 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.1	97.7
51	36.0	30.2	45.4





#13
Acetone
Concen: 93.44 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

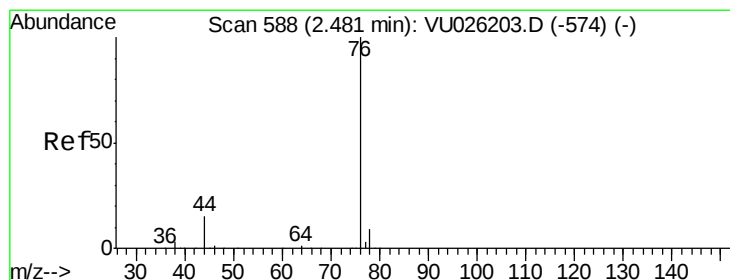
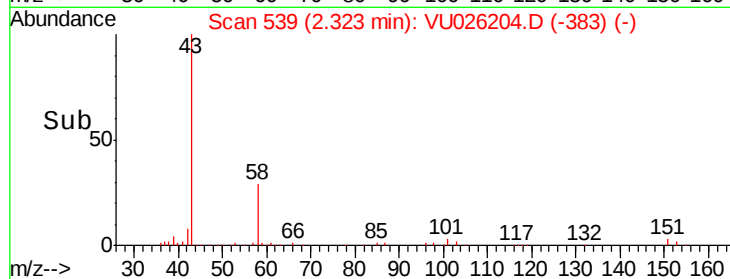
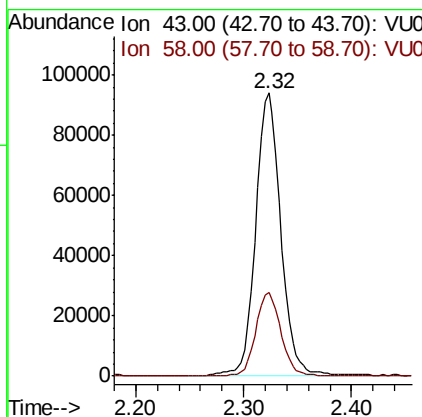
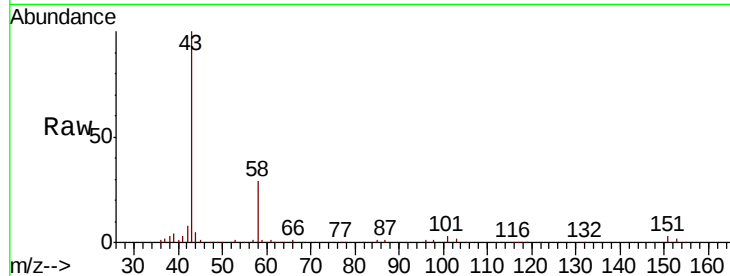
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.2	26.0	39.0

Manual Integrations
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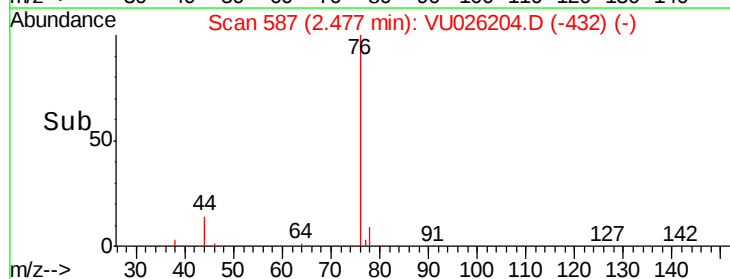
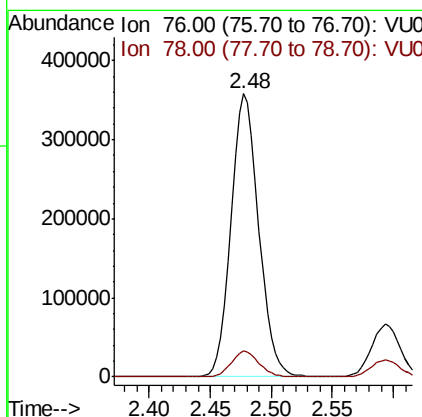
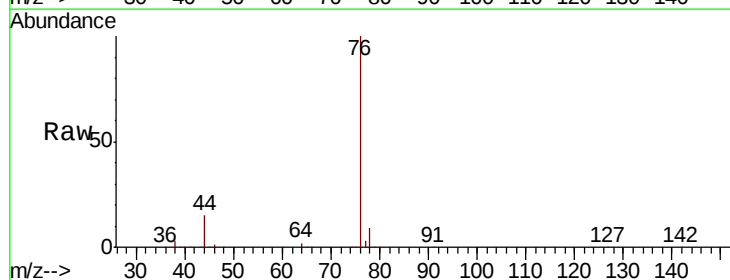
MMDadoda

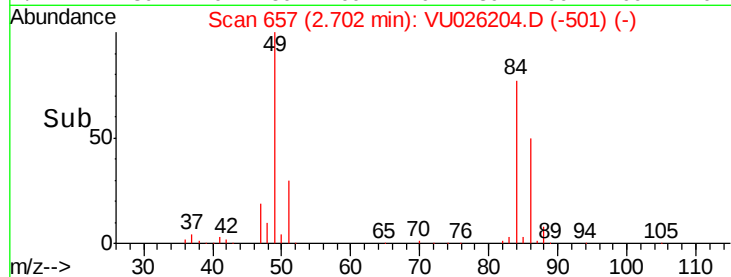
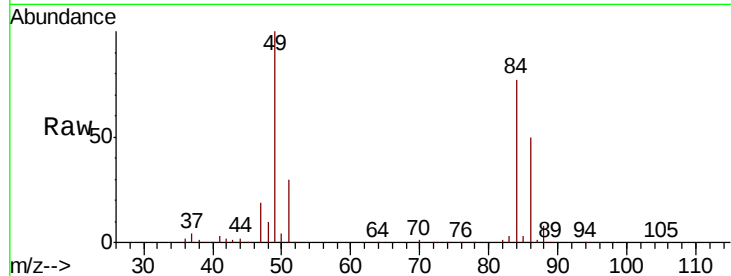
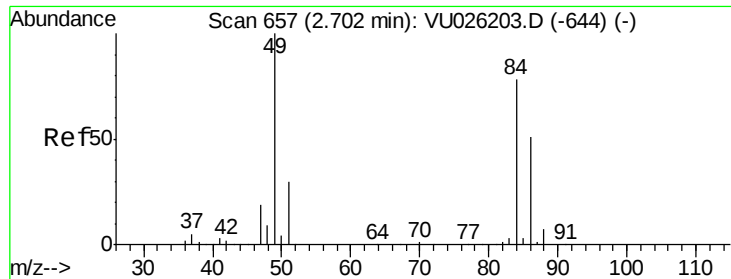
8/21/2018 11:34:26 AM



#14
Carbon Disulfide
Concen: 19.69 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9





#15
Methylene Chloride
Concen: 18.06 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

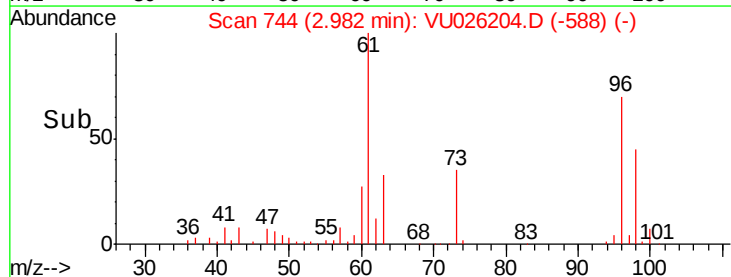
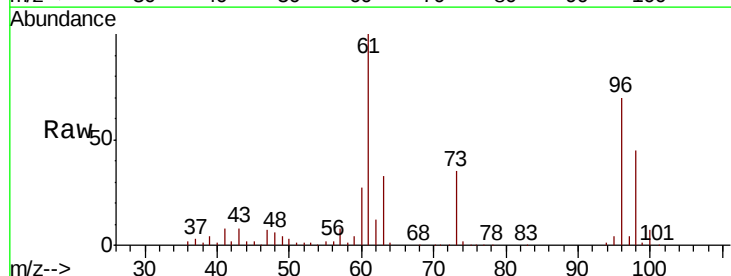
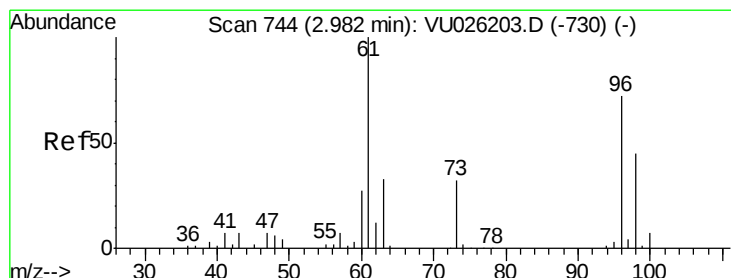
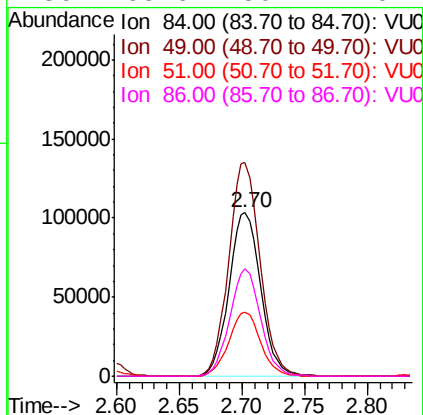
Tot Ion:	84	Resp:	181379
Ion	Ratio	Lower	Upper
84	100		
49	130.5	108.7	163.1
51	39.4	0.0	82.4
86	65.6	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Manual Integrations
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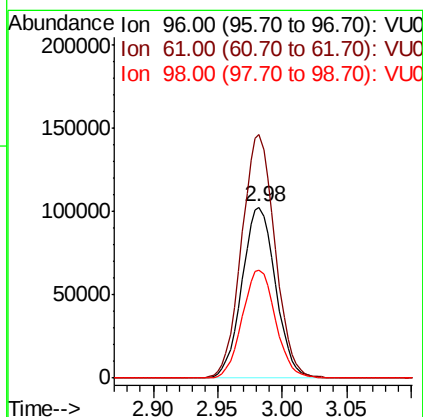
MMDadoda

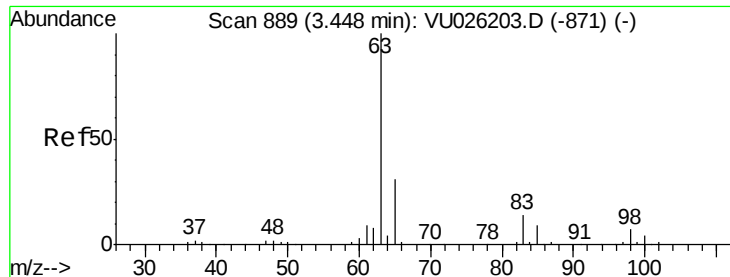
8/21/2018 11:34:26 AM



#16
trans-1,2-Dichloroethene
Concen: 19.75 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	96	Resp:	186581
Ion	Ratio	Lower	Upper
96	100		
61	142.7	123.9	185.9
98	63.6	50.6	76.0





#17
 1,1-Dichloroethane
 Concen: 18.38 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

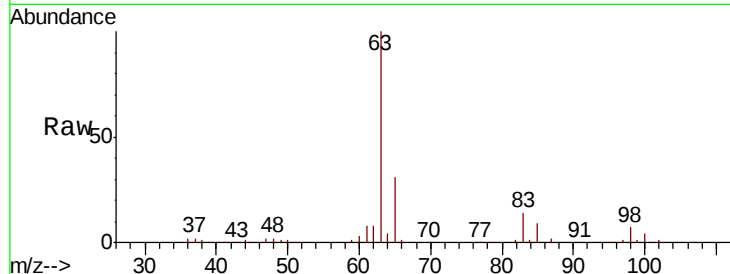
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	63	Resp:	344290
Ion Ratio	Lower	Upper	
63	100		
98	6.7	2.9	8.8
100	4.3	2.0	5.8

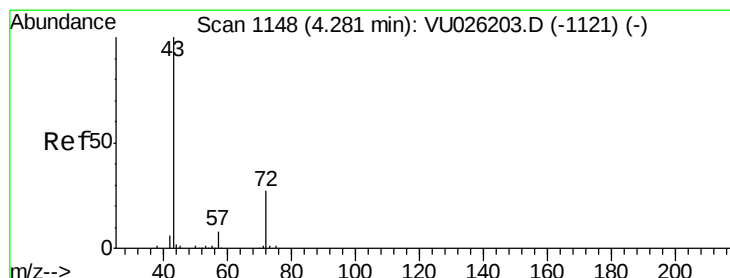
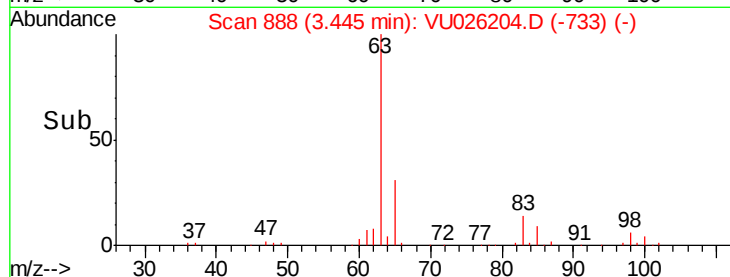
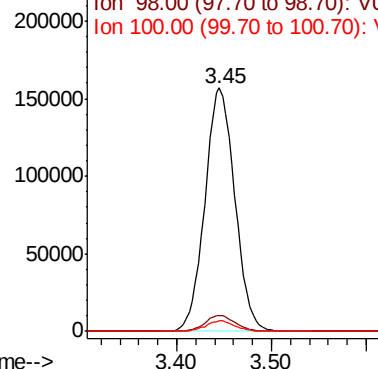
Manual Integrations
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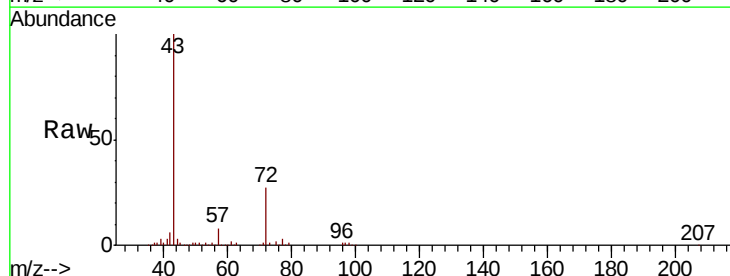


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

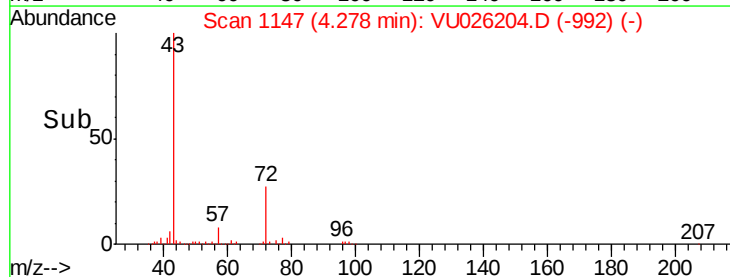
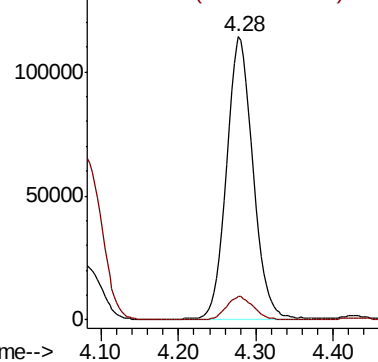


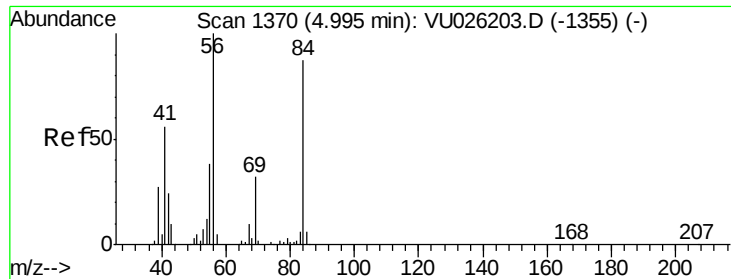
#18
 2-Butanone
 Concen: 98.72 ug/l
 RT: 4.28 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion:	43	Resp:	276699
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19
Cyclohexane
Concen: 20.63 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

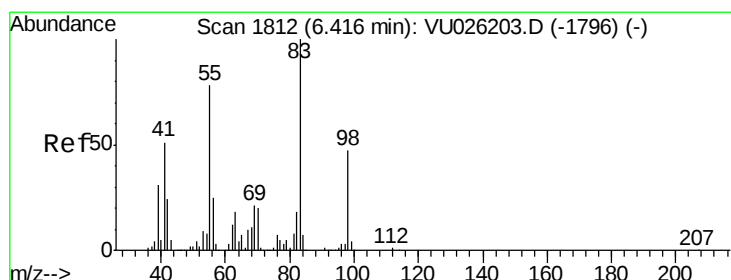
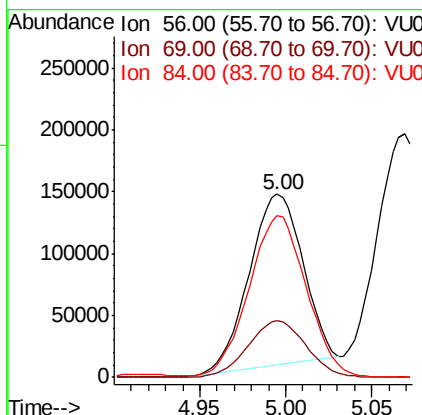
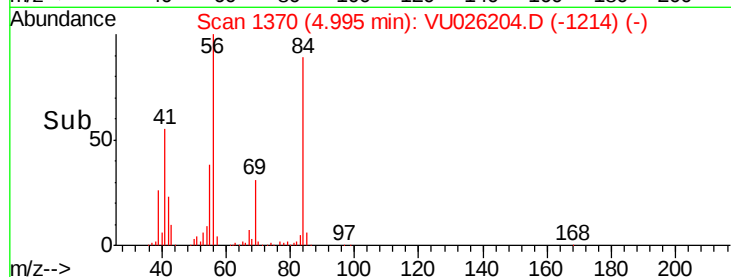
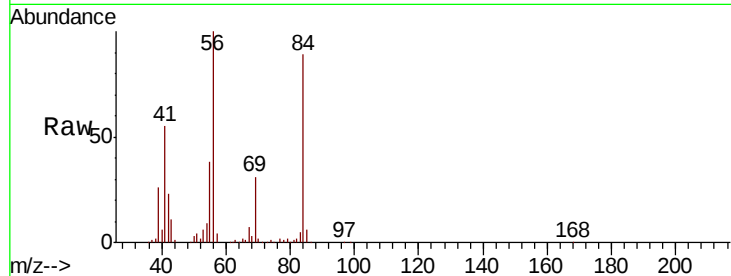
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.0	39.0
84	100.7	68.3	102.5

Manual Integrations
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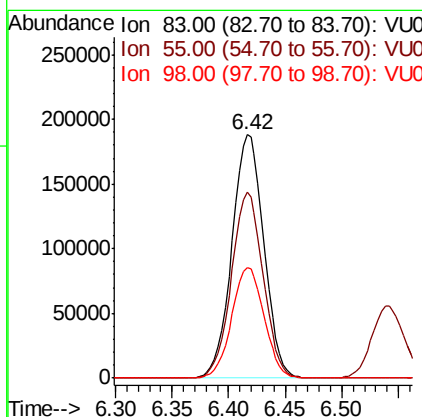
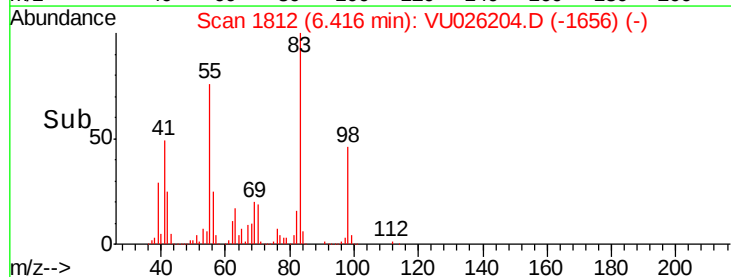
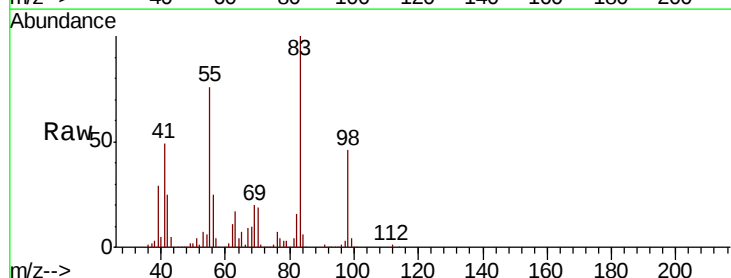
MMDadoda

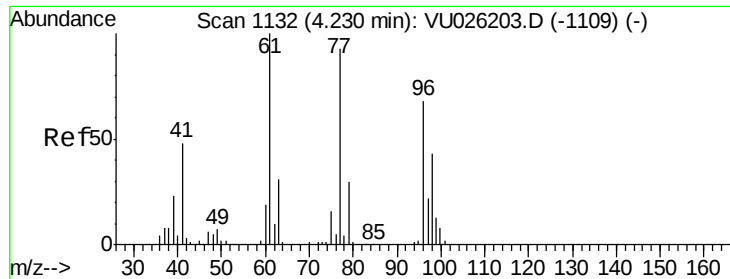
8/21/2018 11:34:26 AM



#20
Methylcyclohexane
Concen: 20.81 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.9	66.4	99.6
98	46.3	35.4	53.2





#21

2,2-Dichloropropane

Concen: 19.80 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion: 77 Resp: 353729

Ion Ratio Lower Upper

77 100

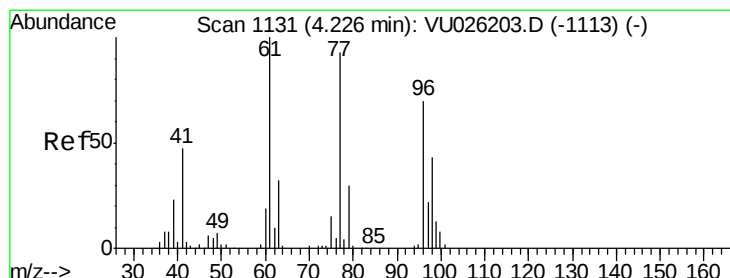
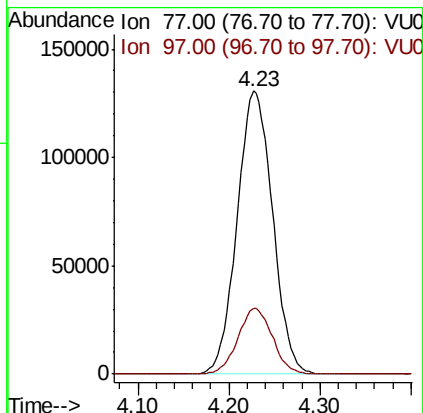
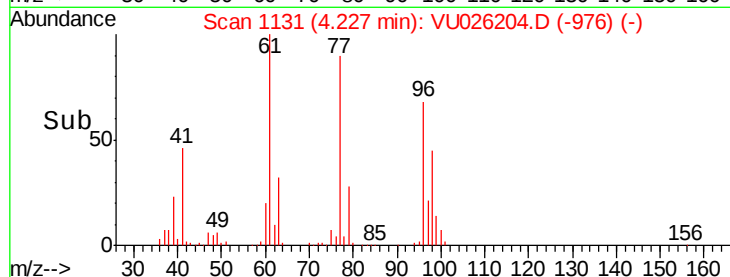
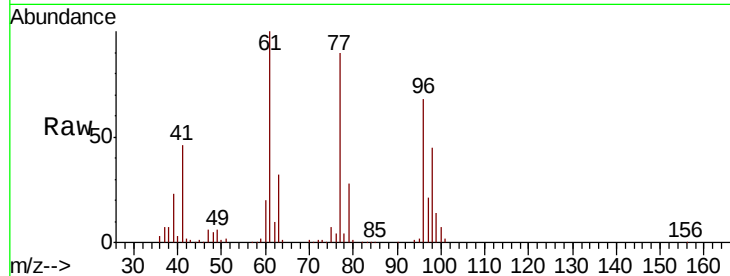
97 22.7 17.9 26.9

Manual Integrations

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8/21/2018 11:34:26 AM



#22

cis-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

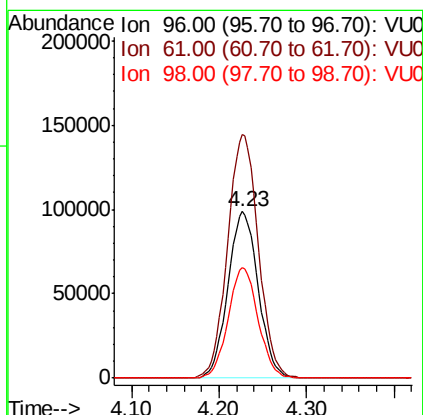
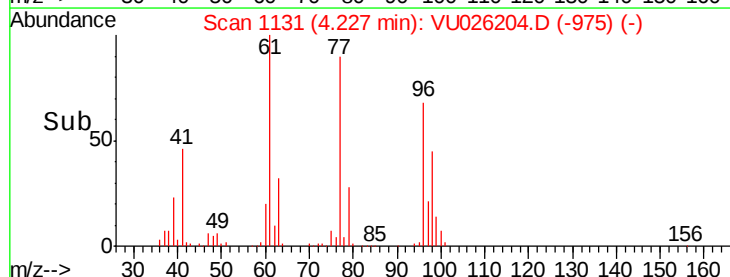
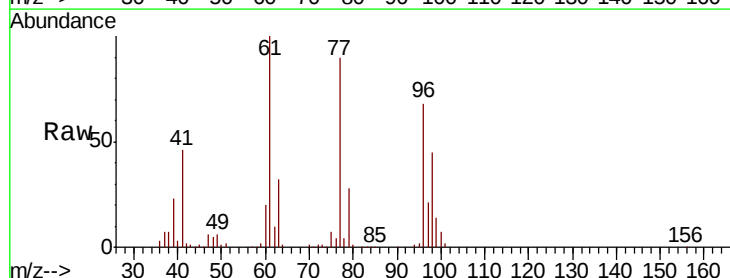
Tgt Ion: 96 Resp: 237470

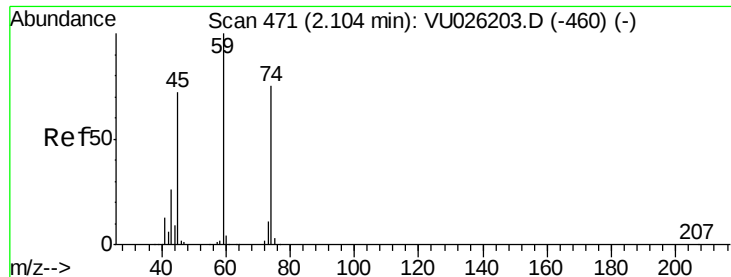
Ion Ratio Lower Upper

96 100

61 148.3 0.0 400.5

98 65.3 32.2 96.6





#23
Diethyl Ether
Concen: 20.04 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

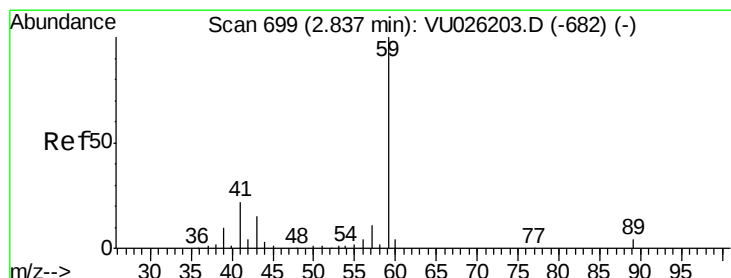
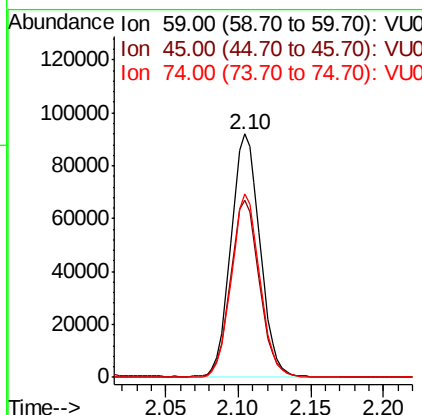
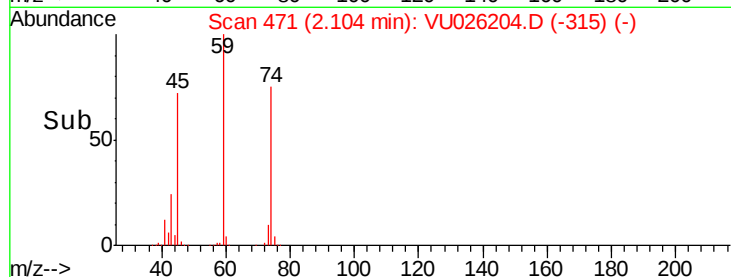
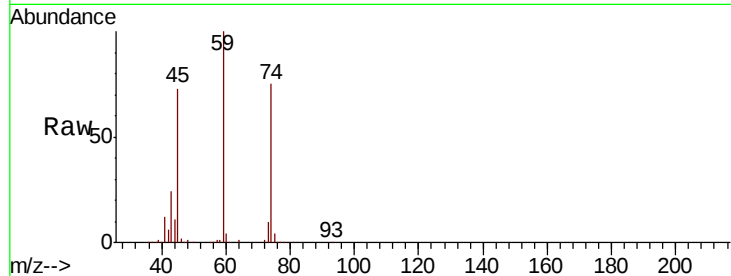
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	127903
Ion	Ratio	Lower	Upper
59	100		
45	71.5	60.0	90.0
74	73.6	56.5	84.7

Manual Integrations
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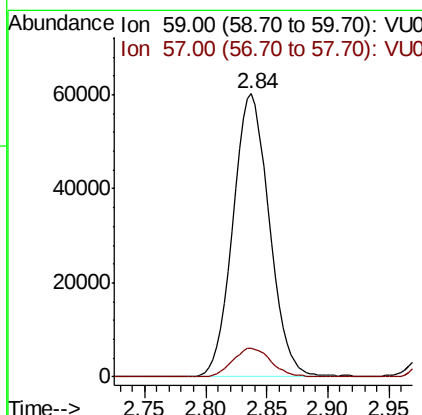
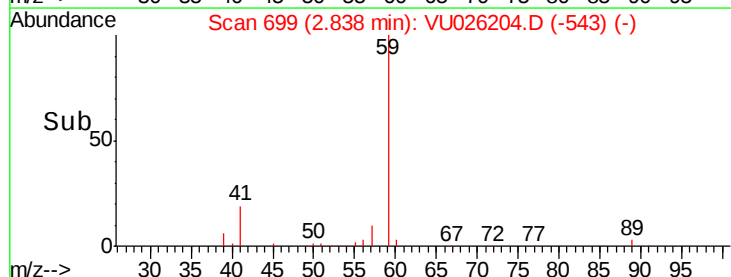
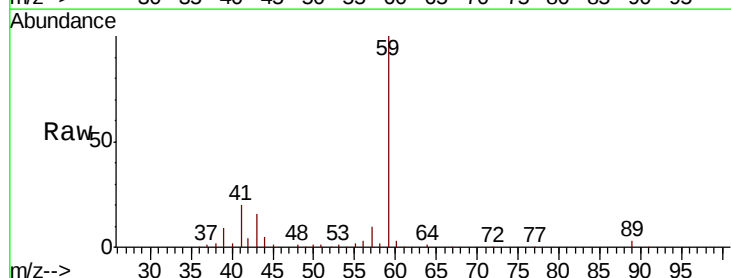
MMDadoda

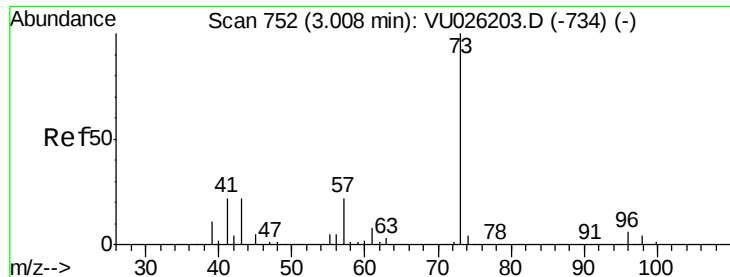
8/21/2018 11:34:26 AM



#24
tert-Butyl Alcohol
Concen: 165.99 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	59	Resp	124416
Ion	Ratio	Lower	Upper
59	100		
57	10.7	3.4	5.2#





#25

Methyl tert-Butyl Ether
Concen: 19.24 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

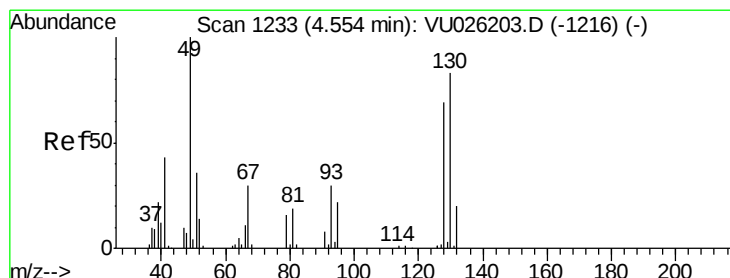
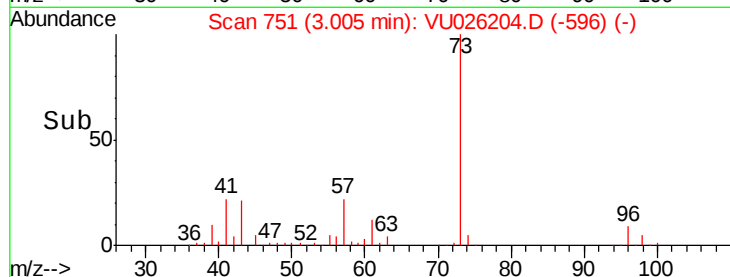
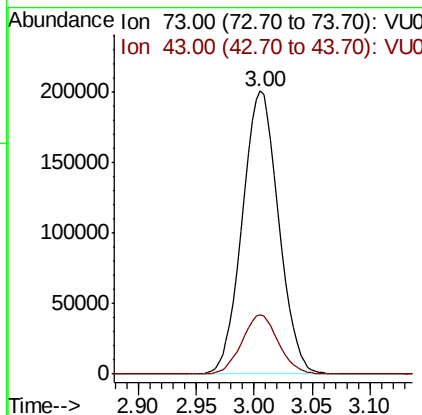
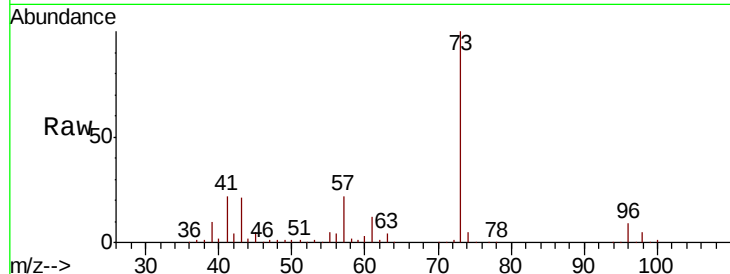
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.9	16.2	24.2

Manual Integrations
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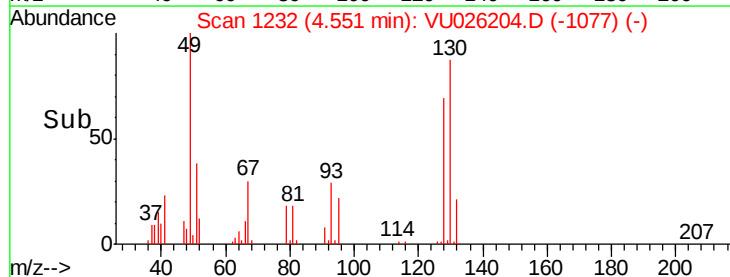
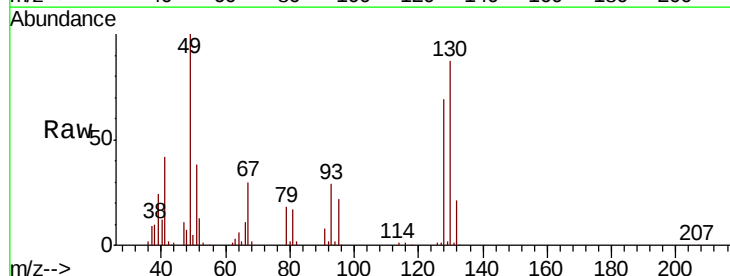
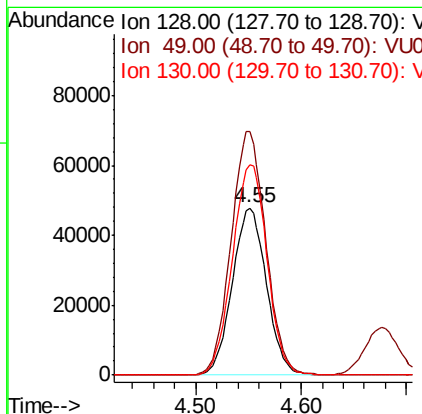
8/21/2018 11:34:26 AM

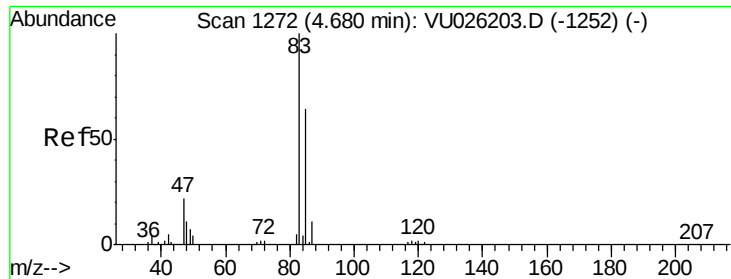


#26

Bromochloromethane
Concen: 20.48 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.3	0.0	375.2
130	128.7	105.8	158.6





#27
Chloroform
Concen: 19.51 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

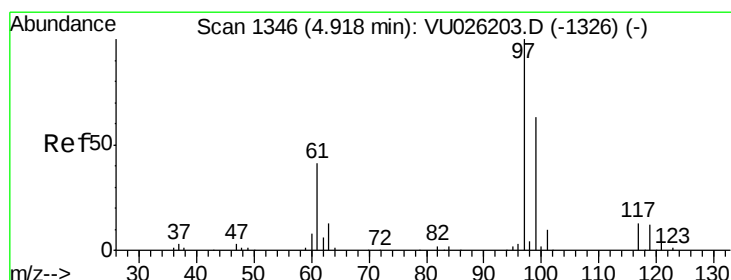
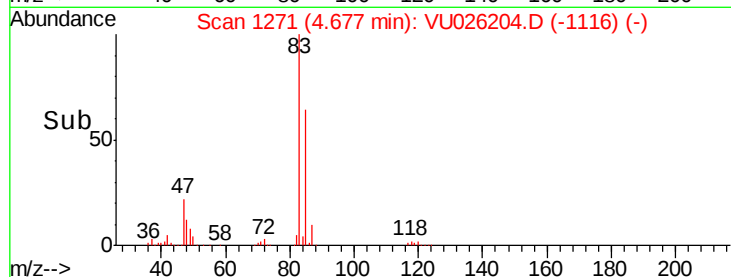
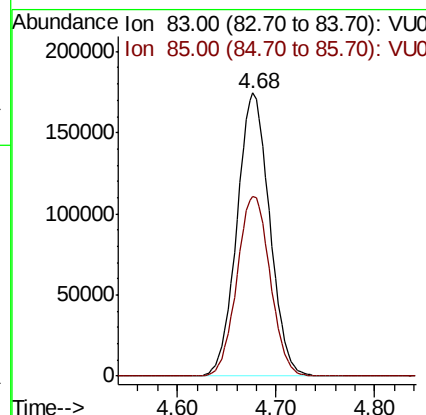
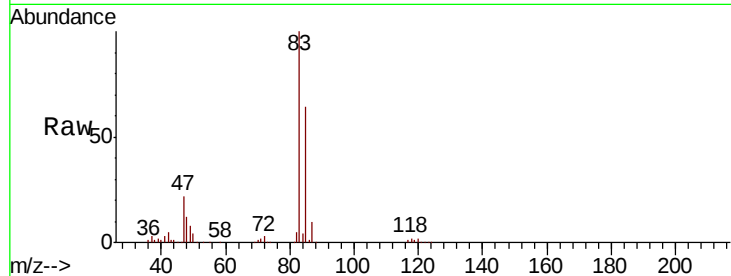
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	401597
Ion Ratio	100	Lower	Upper
85	63.5	0.0	128.4

Manual Integrations
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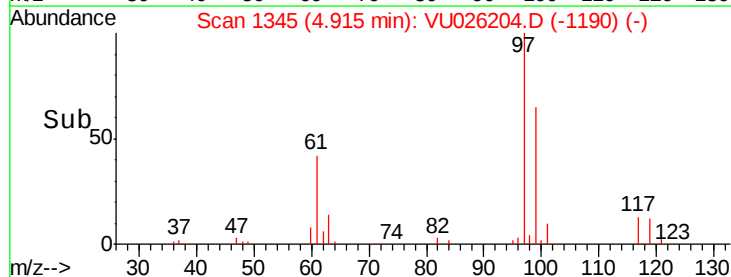
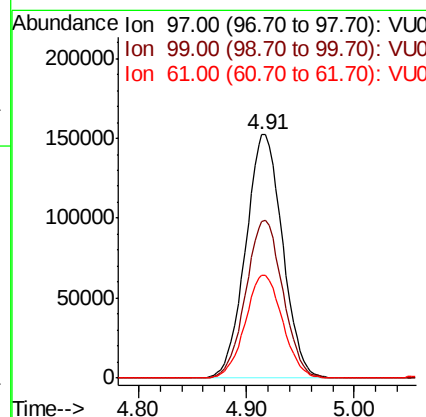
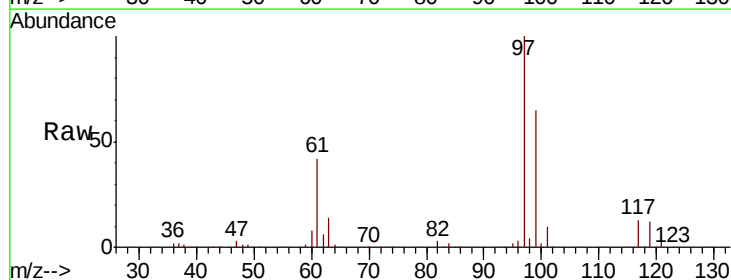
MMDadoda

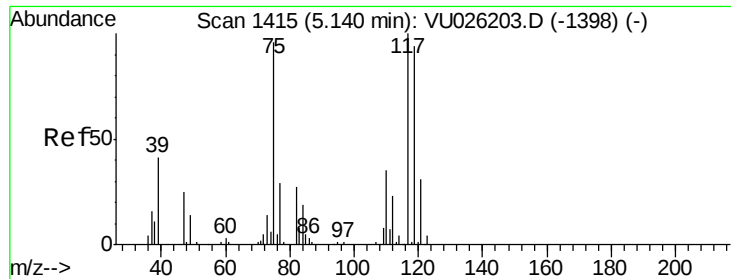
8/21/2018 11:34:26 AM



#28
1,1,1-Trichloroethane
Concen: 19.49 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	97	Resp	361859
Ion Ratio	100	Lower	Upper
99	65.3	32.3	96.9
61	42.9	23.2	69.5





#29

1,1-Dichloropropene

Concen: 20.28 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 308835

Ion Ratio Lower Upper

75 100

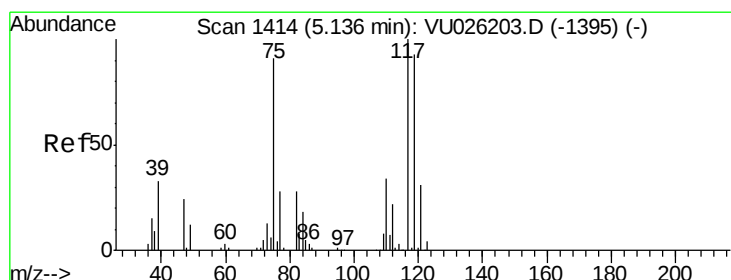
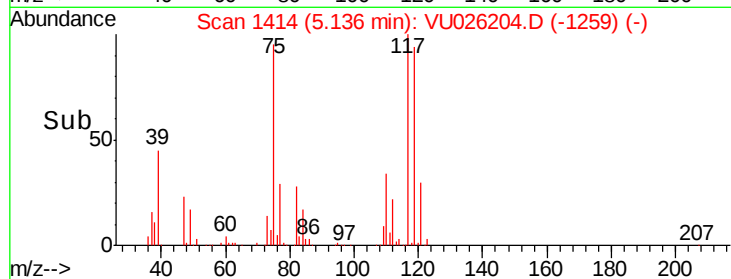
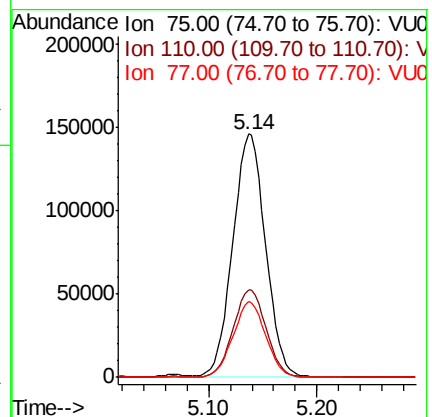
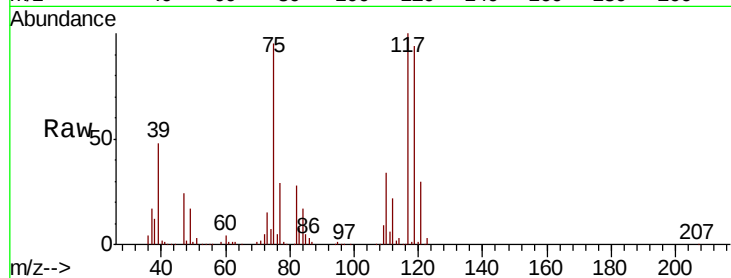
110 36.3 16.9 50.7

77 31.1 24.8 37.2

Manual Integrations
APPROVED

MMDadoda

8/21/2018 11:34:26 AM



#30

Carbon Tetrachloride

Concen: 20.45 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

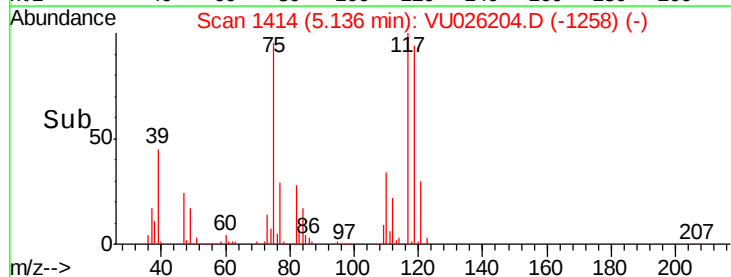
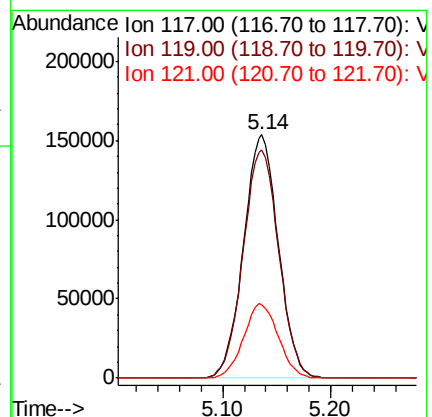
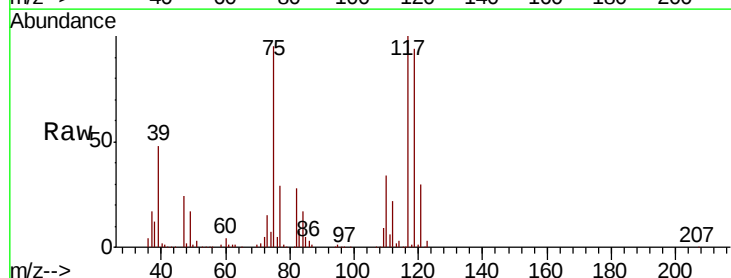
Tgt Ion: 117 Resp: 344883

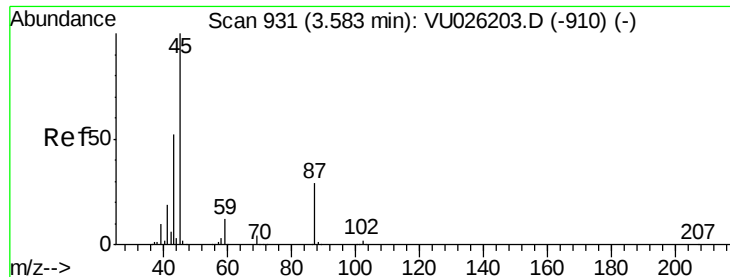
Ion Ratio Lower Upper

117 100

119 93.6 77.3 115.9

121 30.2 24.5 36.7





#31

Isopropyl Ether

Concen: 20.21 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 45 Resp: 606691

Ion Ratio Lower Upper

45 100

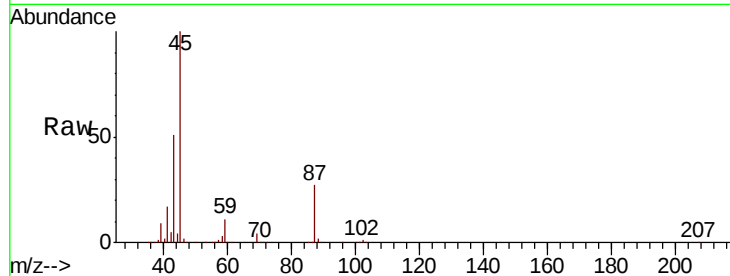
43 51.3 24.0 72.0

Manual Integrations

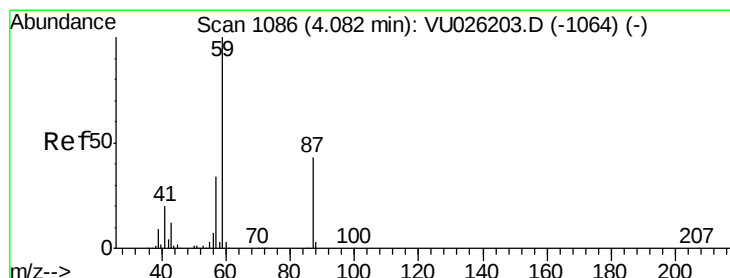
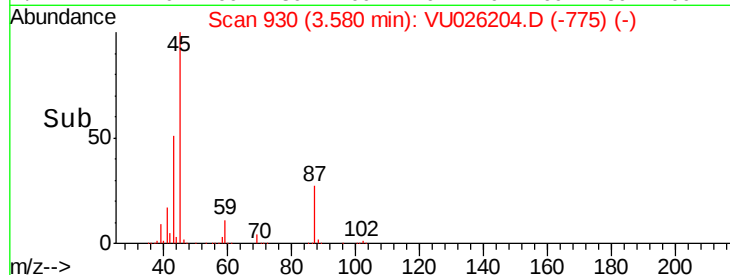
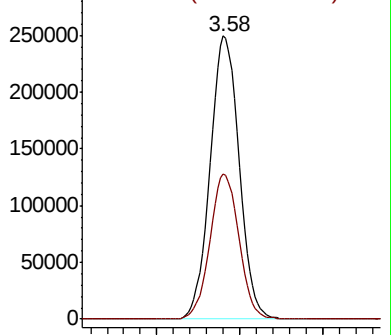
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8/21/2018 11:34:26 AM



Abundance Ion 45.00 (44.70 to 45.70): VU026203.D (-910) (-)



#32

Ethyl-t-butyl ether

Concen: 19.49 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026204.D

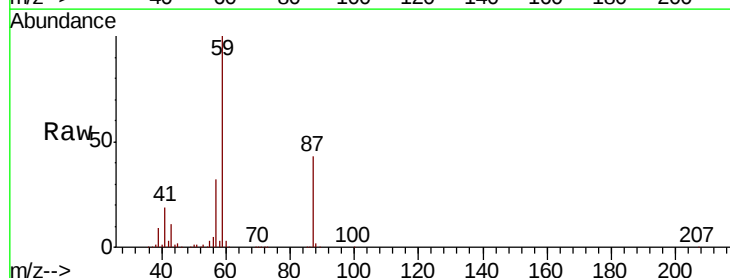
Acq: 20 Aug 2018 13:12

Tgt Ion: 59 Resp: 555992

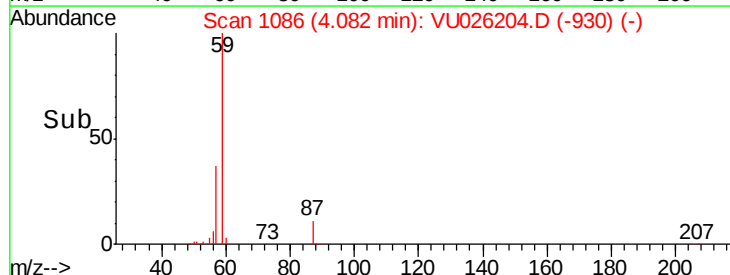
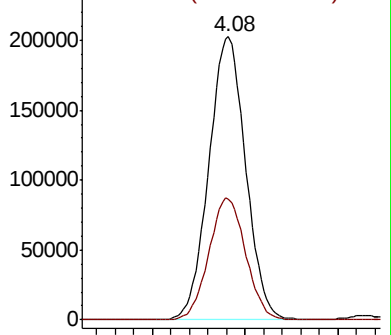
Ion Ratio Lower Upper

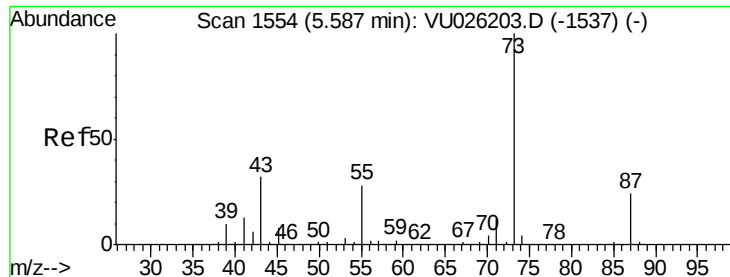
59 100

87 42.9 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026203.D (-1064) (-)





#33
Tert-Butyl methyl ether
Concen: 20.04 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

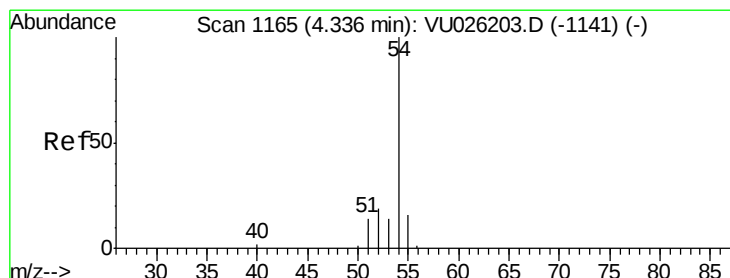
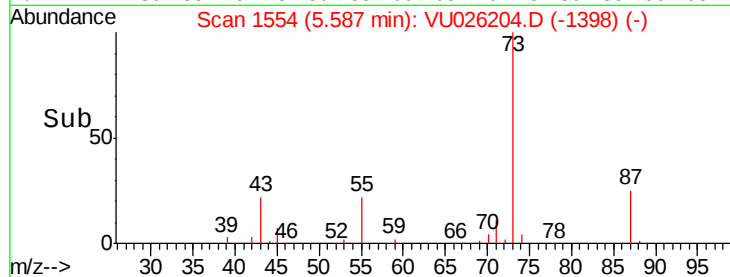
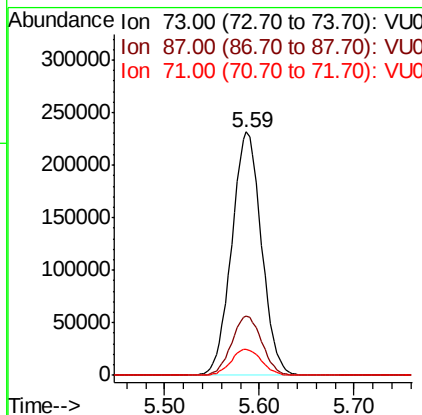
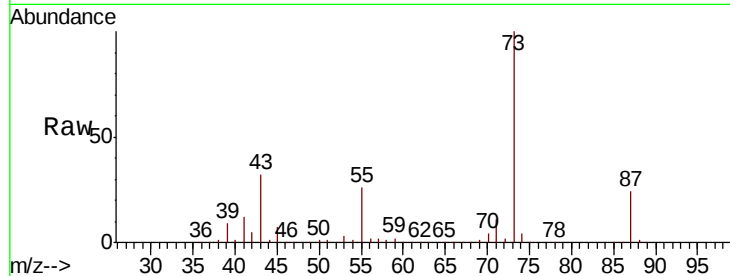
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	73	Resp:	504618
Ion	Ratio	Lower	Upper
73	100		
87	24.7	18.6	28.0
71	11.1	9.3	13.9

Manual Integrations
APPROVED

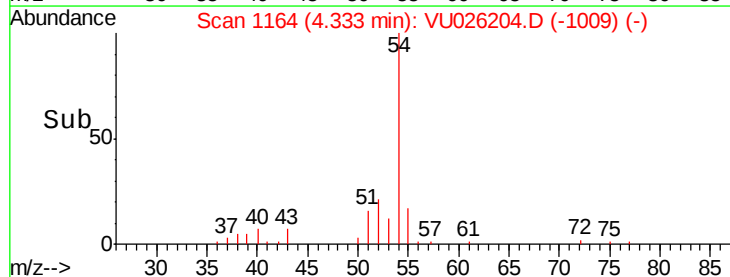
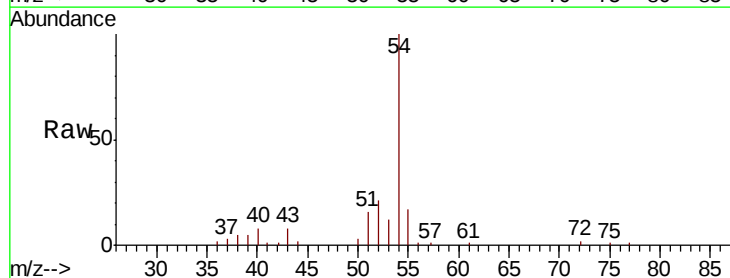
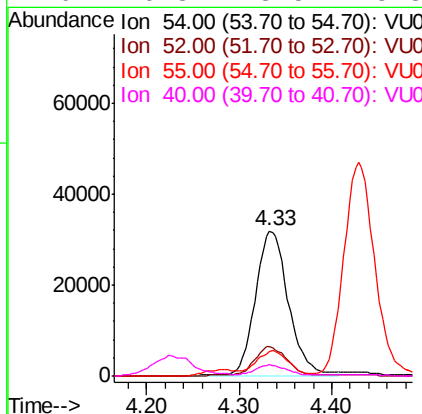
MMDadoda

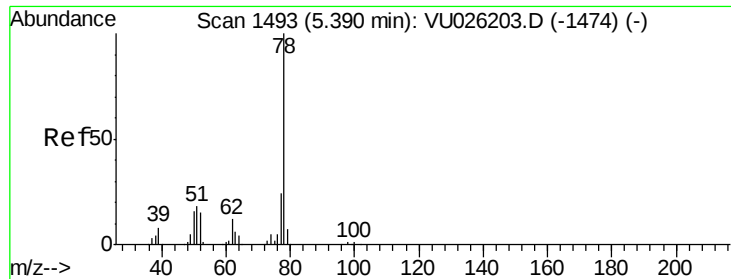
8/21/2018 11:34:26 AM



#34
Propionitrile
Concen: 102.10 ug/l
RT: 4.33 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	54	Resp:	79512
Ion	Ratio	Lower	Upper
54	100		
52	19.2	13.7	20.5
55	15.8	10.2	15.2#
40	6.3	3.5	5.3#





#35

Benzene

Concen: 20.13 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 857235

Ion Ratio Lower Upper

78 100

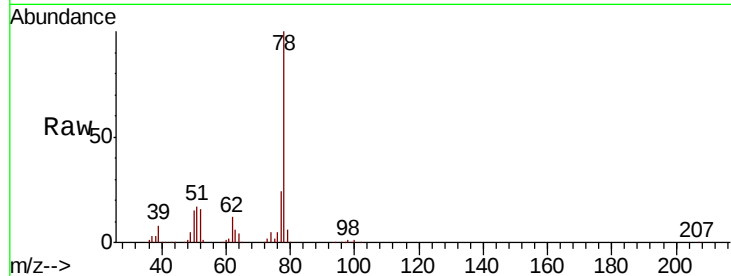
77 24.0 19.1 28.7

Manual Integrations

APPROVED

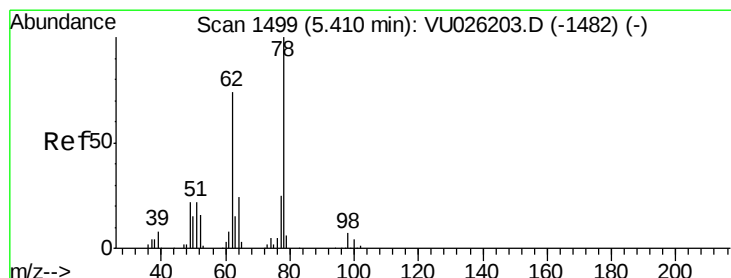
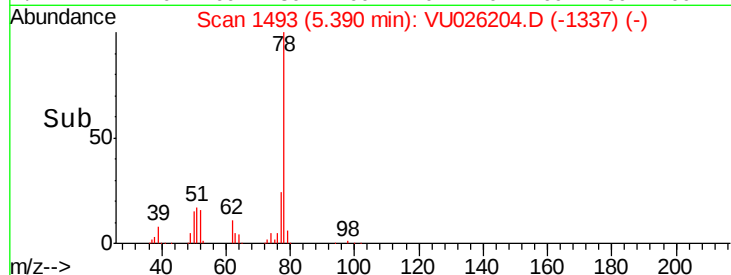
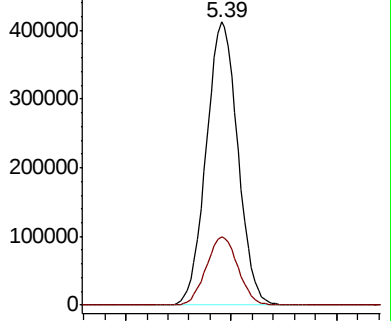
MMDadoda

8/21/2018 11:34:26 AM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 19.62 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026204.D

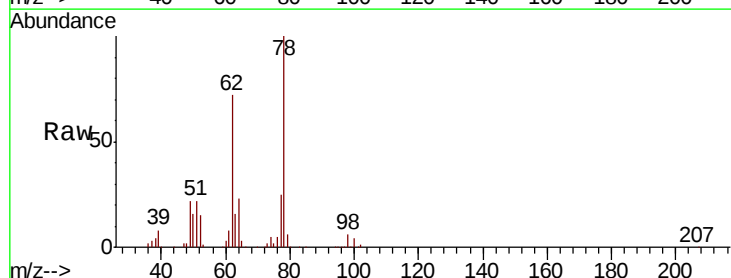
Acq: 20 Aug 2018 13:12

Tgt Ion: 62 Resp: 256387

Ion Ratio Lower Upper

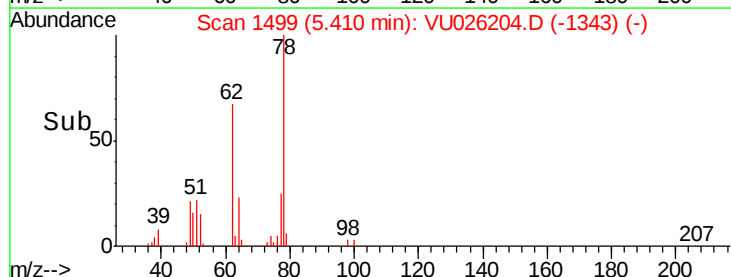
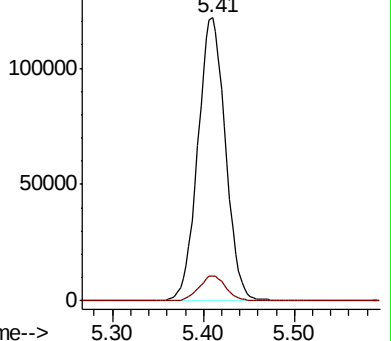
62 100

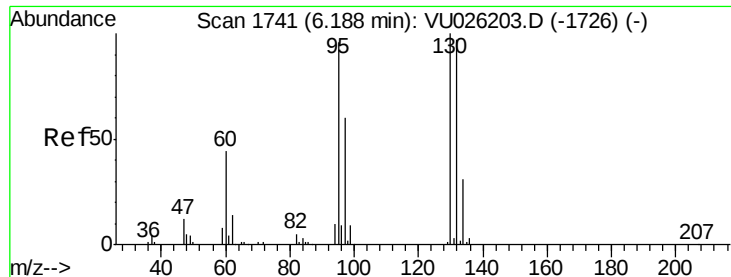
98 8.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37
 Trichloroethene
 Concen: 19.08 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

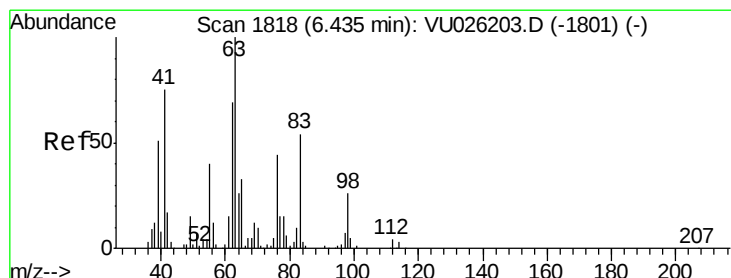
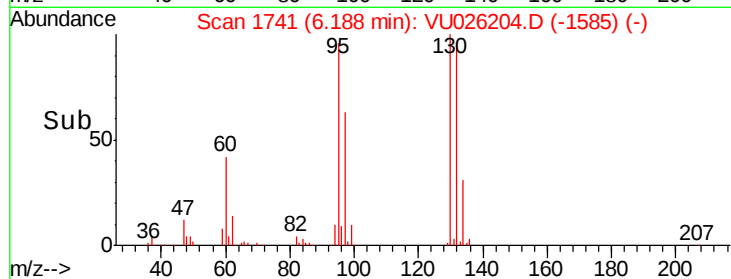
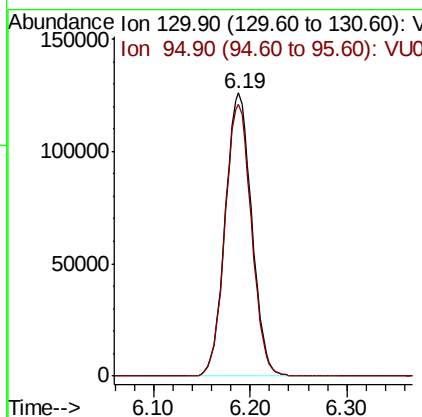
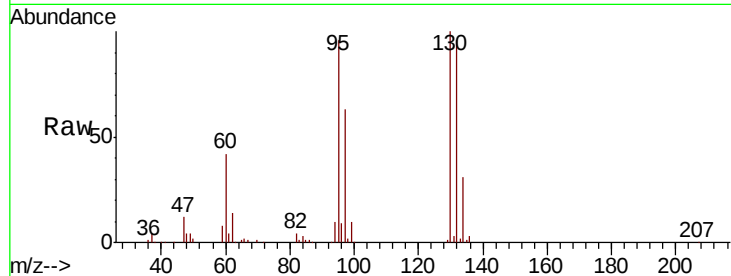
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
130	100	239316		
95	96.2	77.9	116.9	

Manual Integrations
 APPROVED

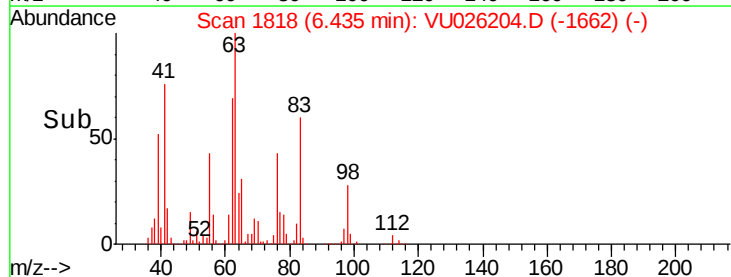
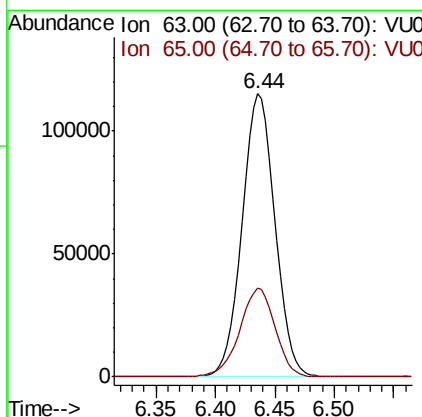
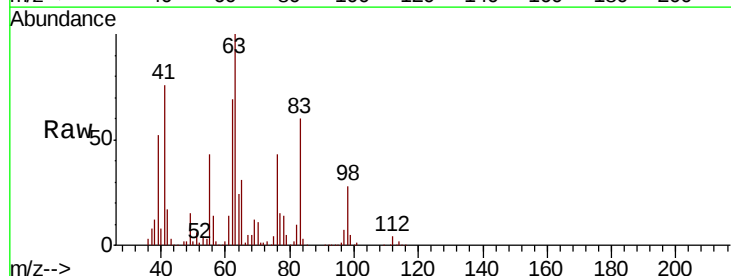
MMDadoda

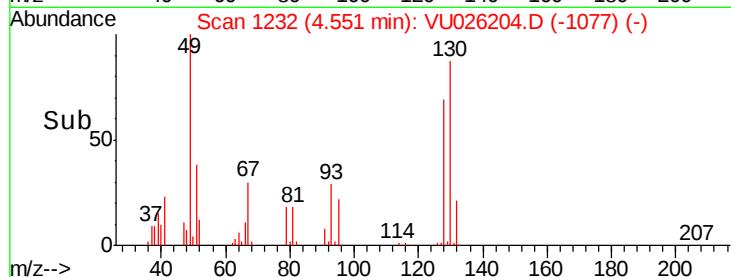
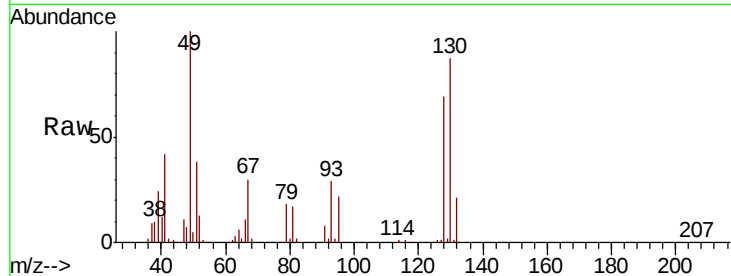
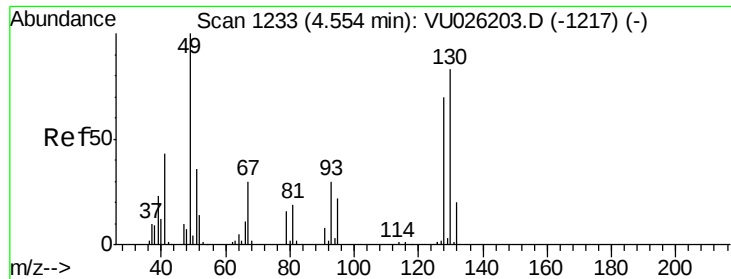
8/21/2018 11:34:26 AM



#38
 1,2-Dichloropropane
 Concen: 19.98 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	220759		
65	31.2	25.8	38.8	





#39
Methacrylonitrile
Concen: 19.48 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

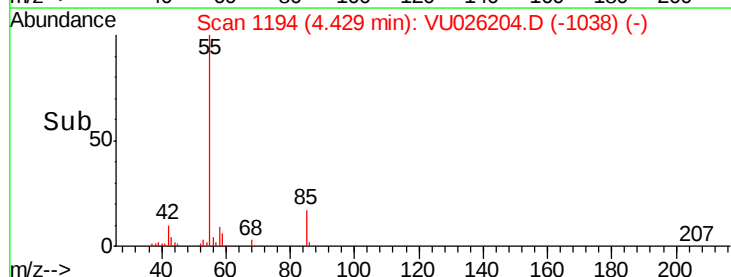
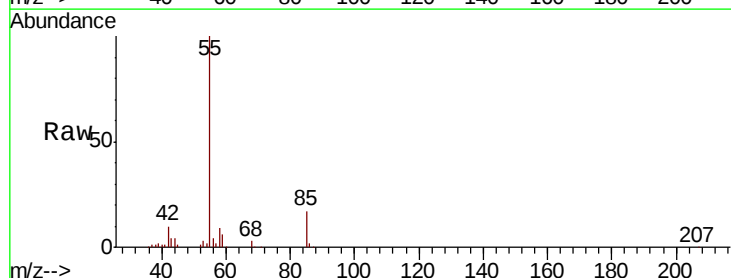
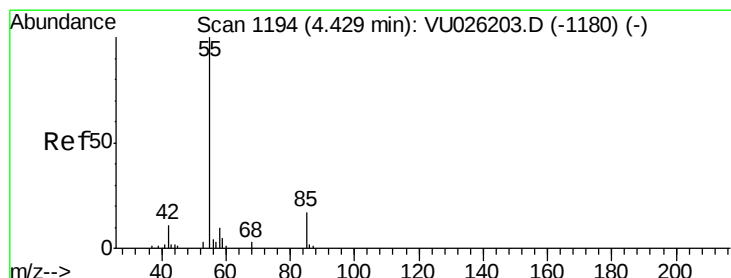
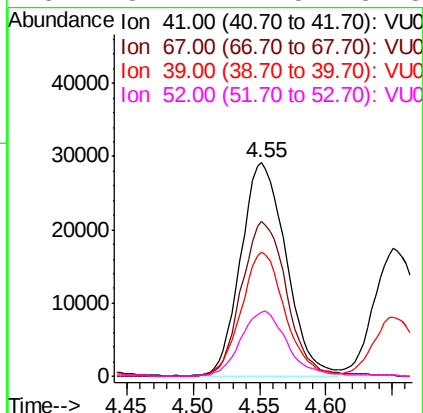
Tot Ion:	41	Resp:	69856
Ion	Ratio	Lower	Upper
41	100		
67	72.3	51.3	76.9
39	55.6	40.6	60.8
52	31.1	21.5	32.3

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

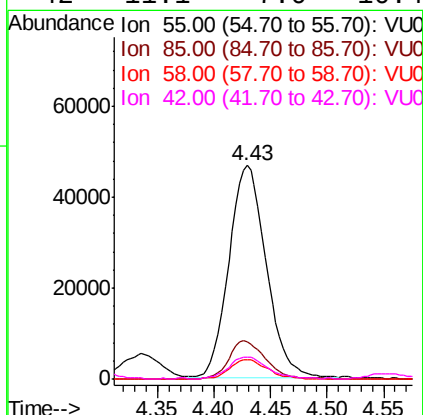
MMDadoda

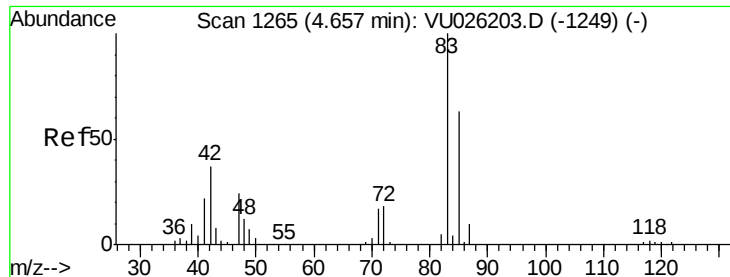
8/21/2018 11:34:26 AM



#40
Methyl acrylate
Concen: 19.78 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	55	Resp:	106959
Ion	Ratio	Lower	Upper
55	100		
85	17.5	12.3	18.5
58	9.1	7.0	10.6
42	11.1	7.0	10.4#





#41
Tetrahydrofuran
Concen: 32.96 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

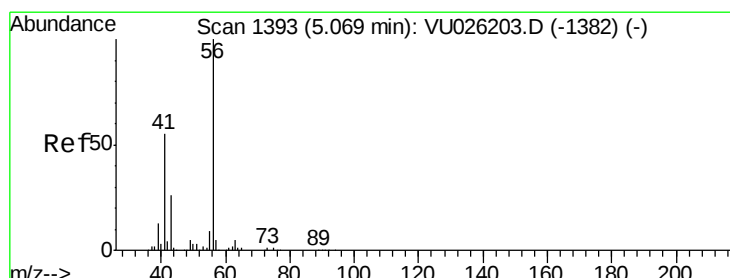
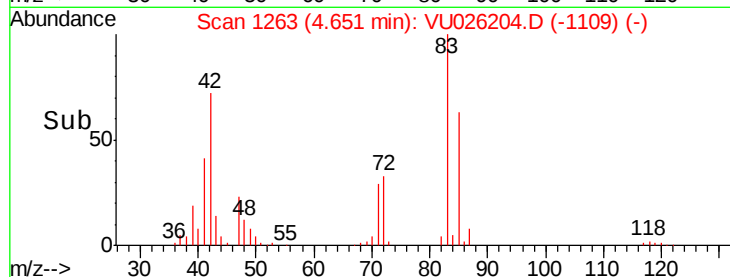
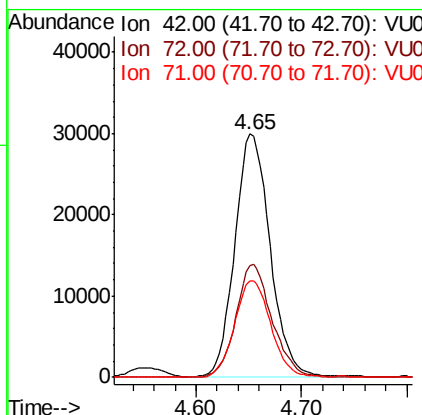
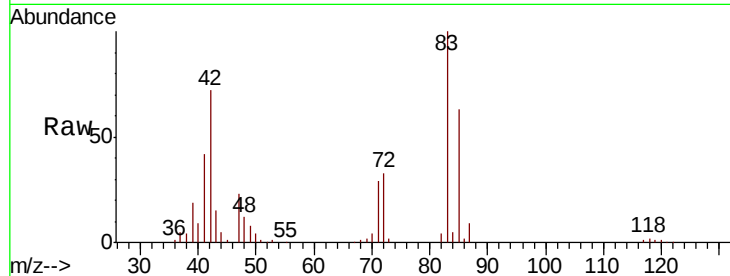
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	42	Resp	69822
Ion	Ratio	Lower	Upper
42	100		
72	47.3	33.2	49.8
71	40.7	29.8	44.8

Manual Integrations
APPROVED

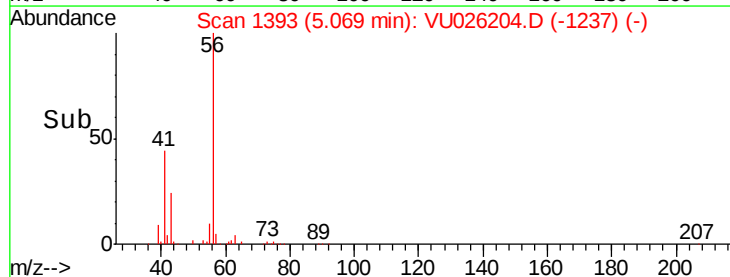
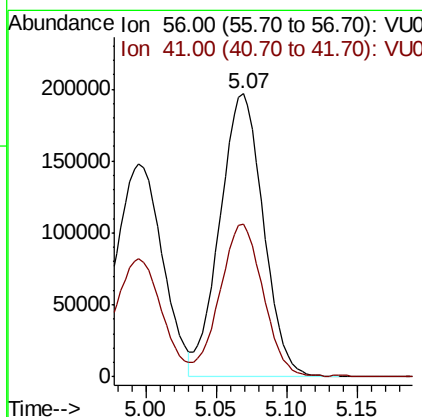
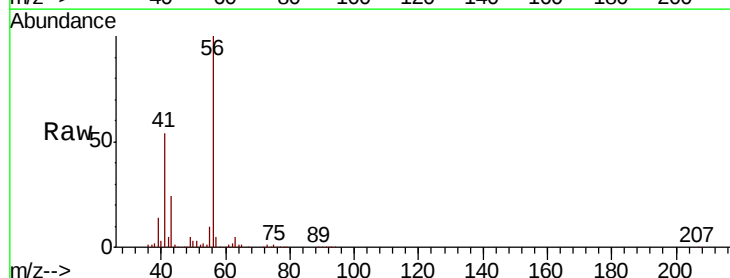
MMDadoda

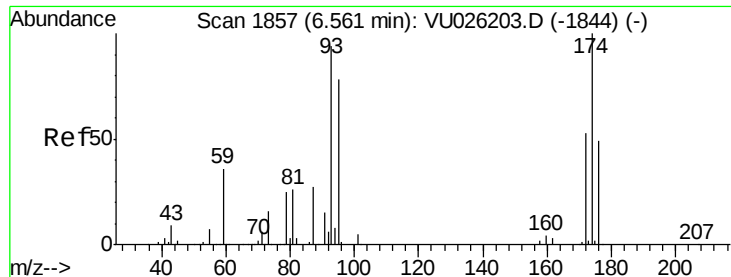
8/21/2018 11:34:26 AM



#42
1-Chlorobutane
Concen: 20.36 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	56	Resp	422669
Ion	Ratio	Lower	Upper
56	100		
41	53.5	27.5	82.5





#43

Dibromomethane

Concen: 19.97 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

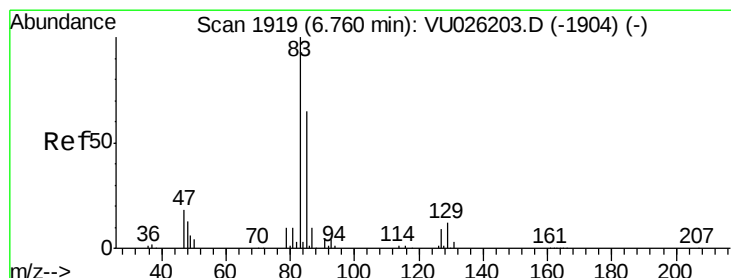
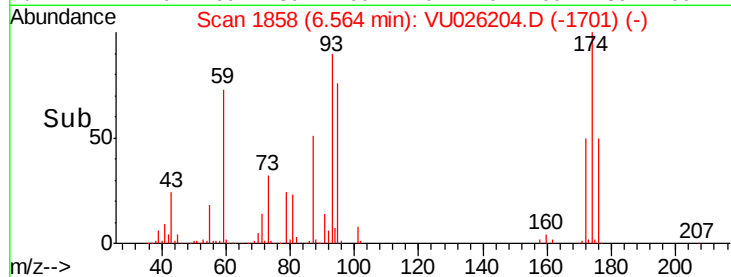
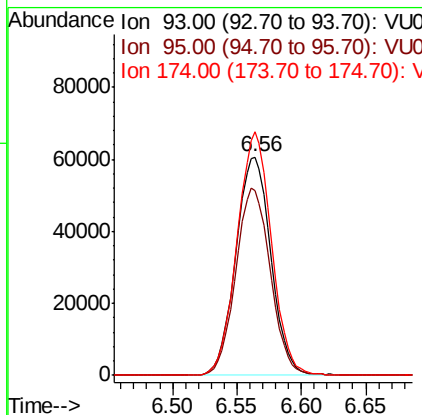
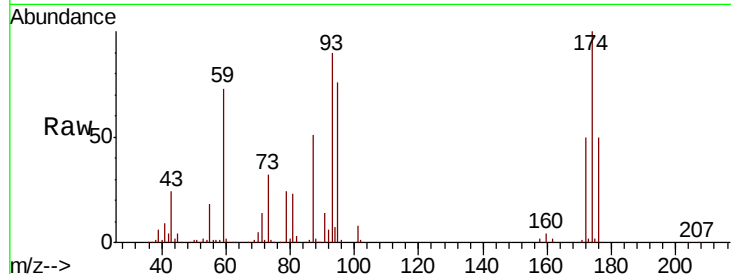
VSTDIC020

Tot Ion:	93	Resp:	115169
Ion	Ratio	Lower	Upper
93	100		
95	84.7	67.2	100.8
174	108.9	82.8	124.2

Manual Integrations
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#44

Bromodichloromethane

Concen: 20.55 ug/l

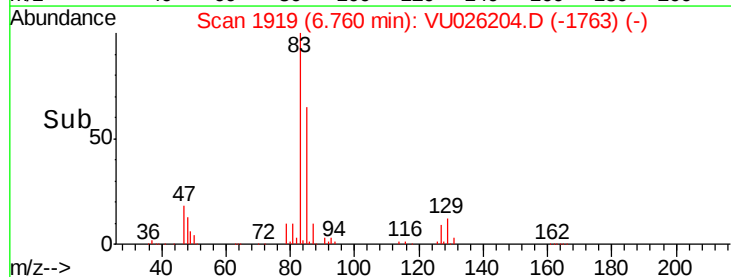
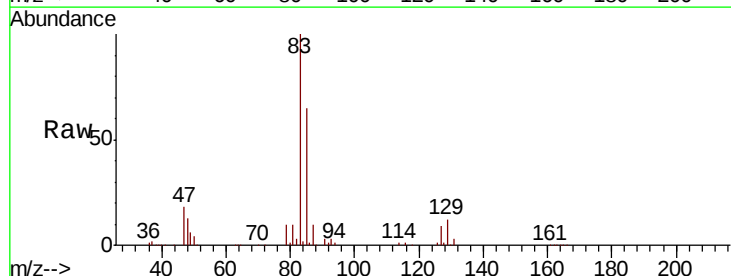
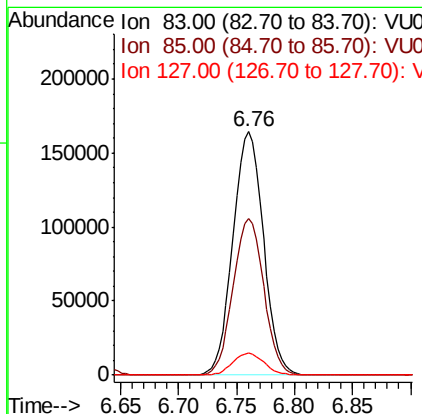
RT: 6.76 min Scan# 1919

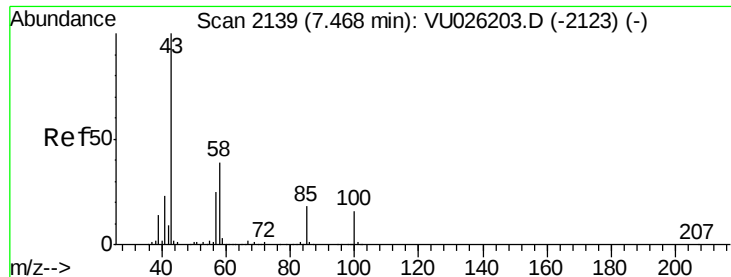
Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Tgt Ion:	83	Resp:	300324
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.4
127	9.2	7.0	10.4





#45
4-Methyl-2-Pentanone
Concen: 101.57 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

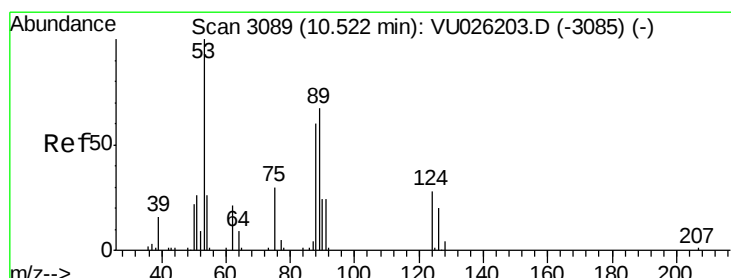
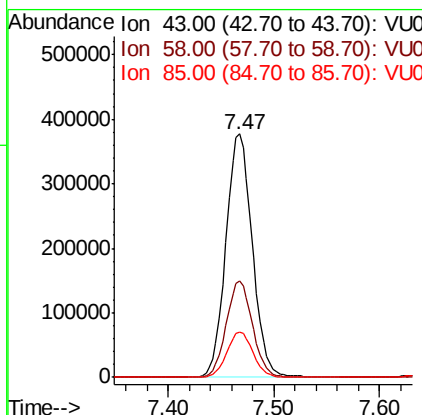
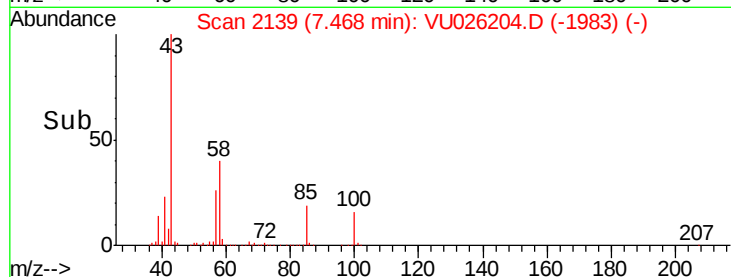
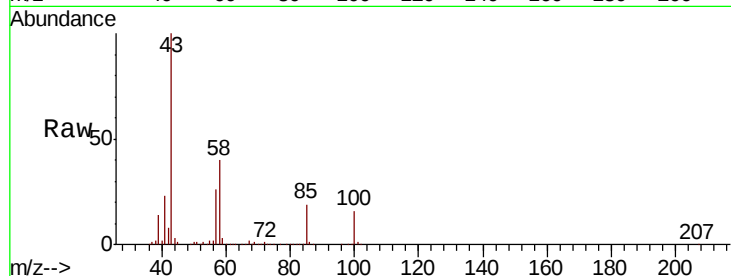
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
43	100	653232		
58	39.2		18.8	56.4
85	18.5		12.6	19.0

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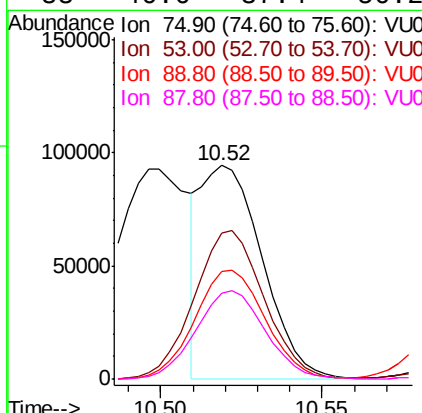
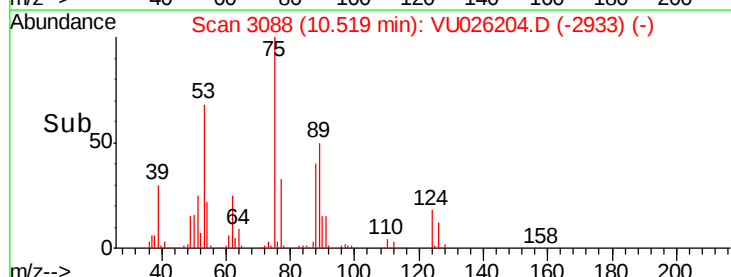
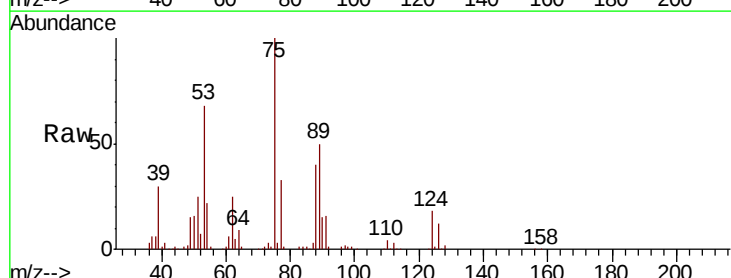
MMDadoda

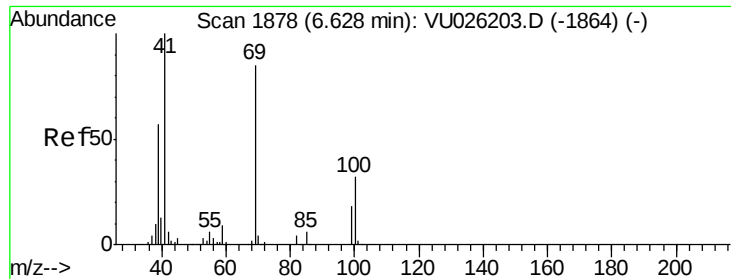
8/21/2018 11:34:26 AM



#46
t-1,4-Dichloro-2-butene
Concen: 44.17 ug/l m
RT: 10.52 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126208		
53	79.0		82.2	123.4#
89	58.5		51.3	76.9
88	46.6		37.4	56.2





#47
Methvl methacrylate
Concen: 42.43 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

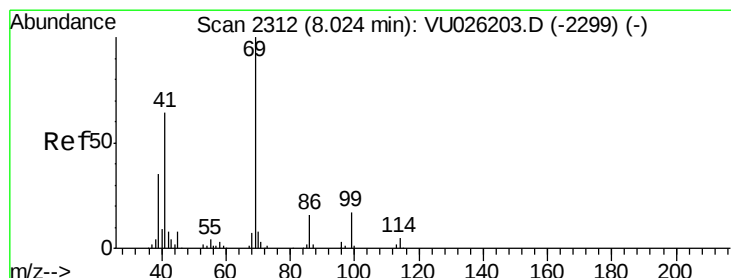
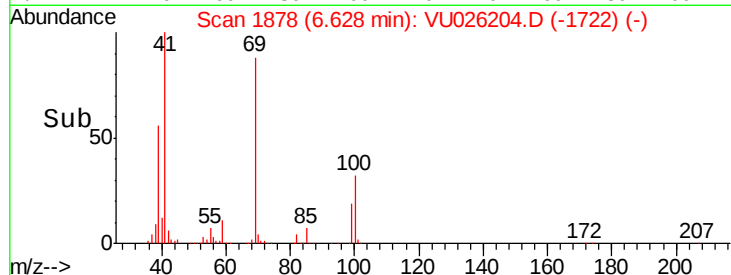
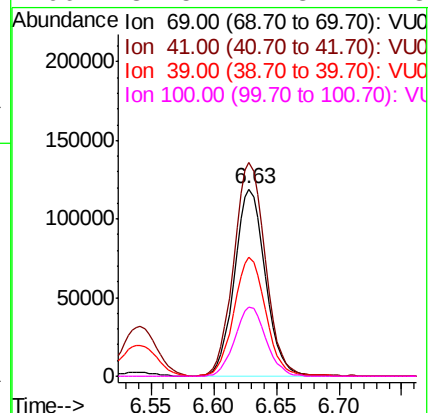
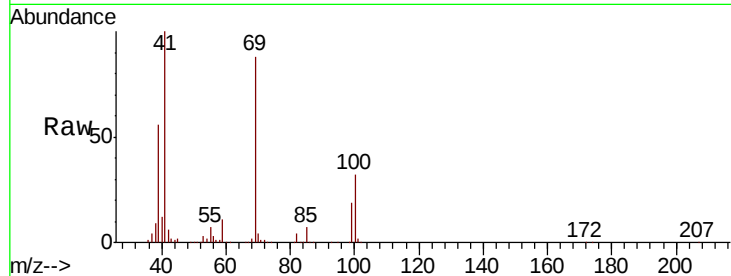
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	115.8	0.0	245.4		
39	64.8	49.0	73.4		
100	37.5	27.8	41.8		

Manual Integrations
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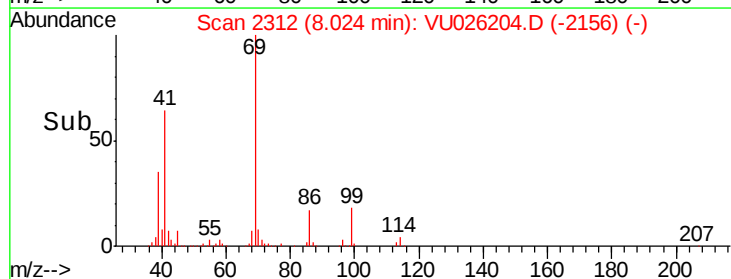
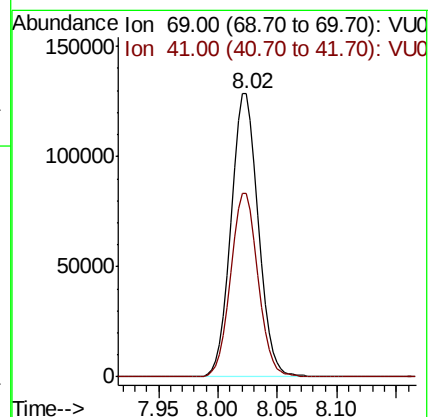
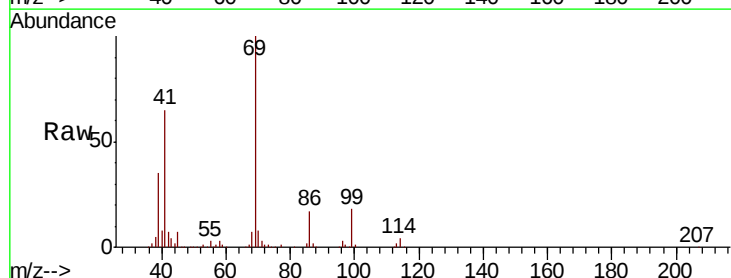
MMDadoda

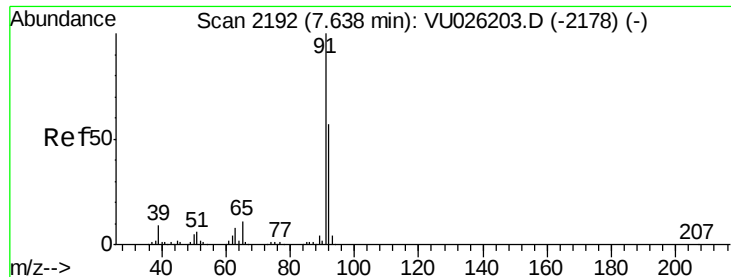
8/21/2018 11:34:26 AM



#48
Ethyl methacrylate
Concen: 21.14 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	65.0	34.2	102.5		





#49

Toluene

Concen: 20.84 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 542285

Ion Ratio Lower Upper

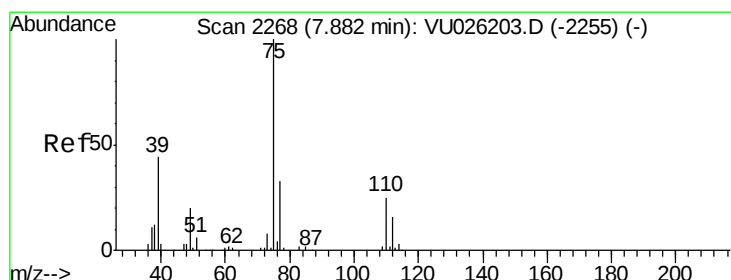
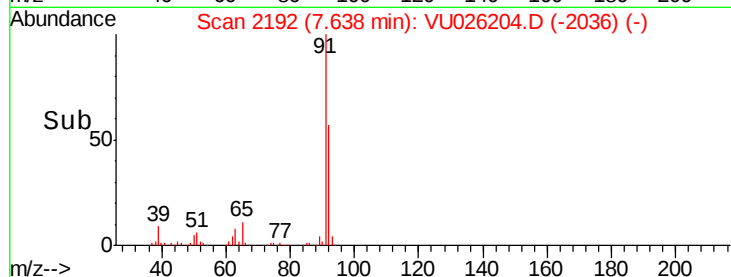
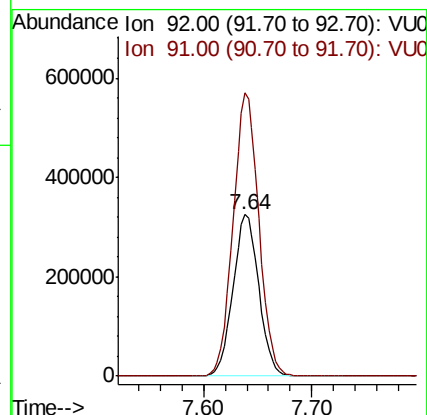
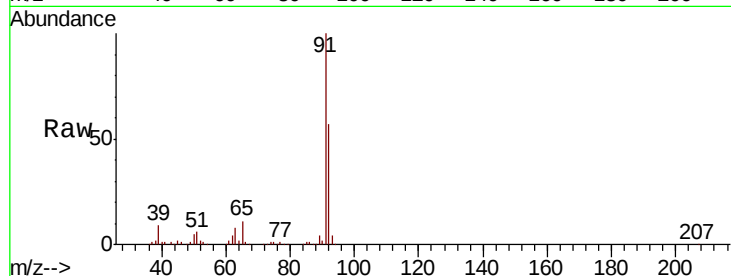
92 100

91 174.6 137.1 205.7

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 21.06 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026204.D

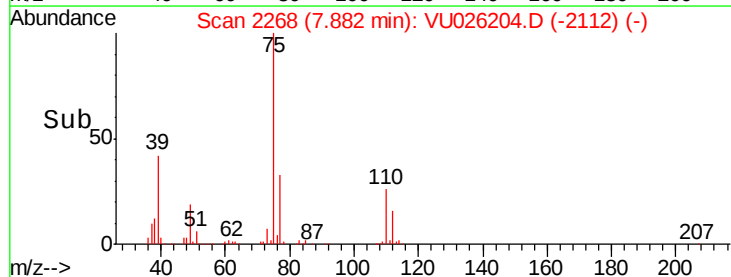
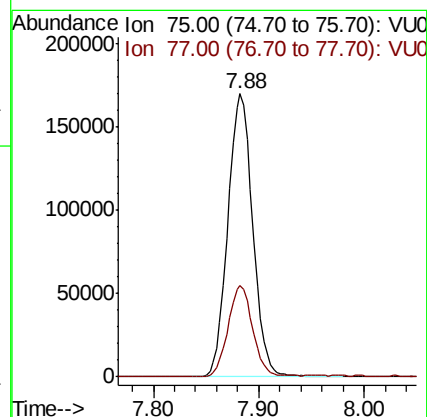
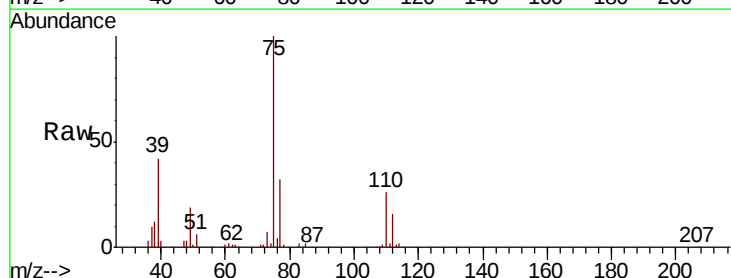
Acq: 20 Aug 2018 13:12

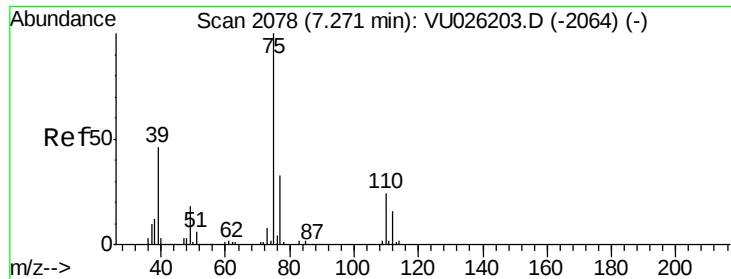
Tgt Ion: 75 Resp: 277774

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8





#51
 cis-1,3-Dichloropropene
 Concen: 20.69 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

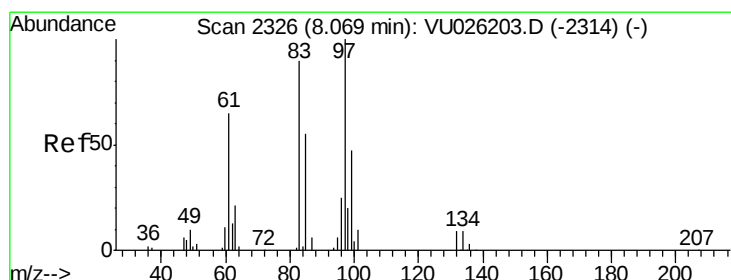
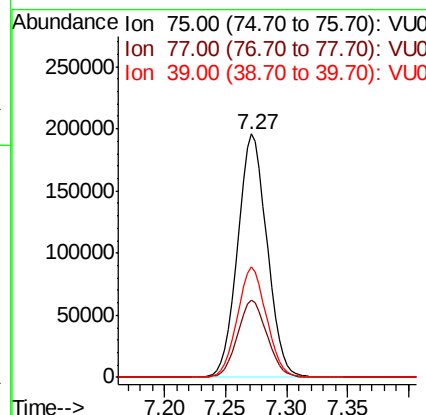
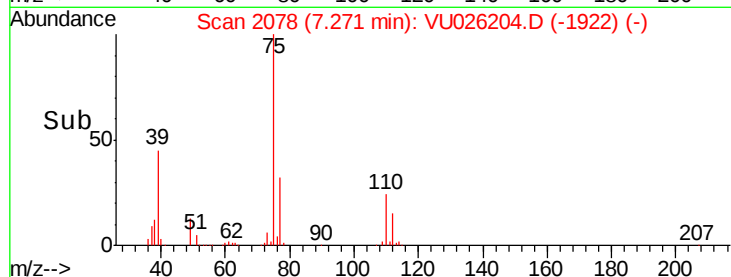
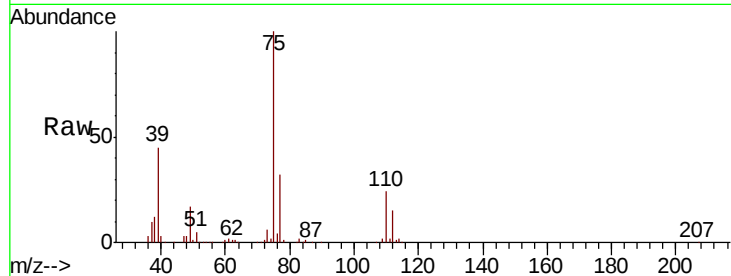
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	75	Resp:	327025
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.2	37.8
39	45.2	36.4	54.6

Manual Integrations
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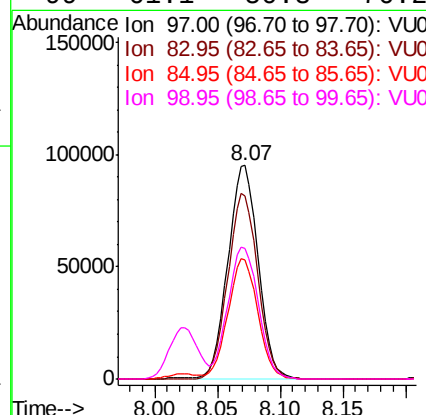
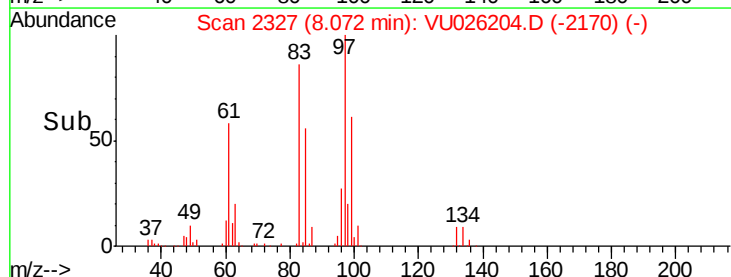
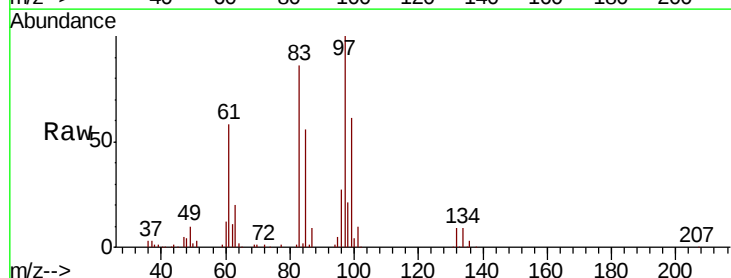
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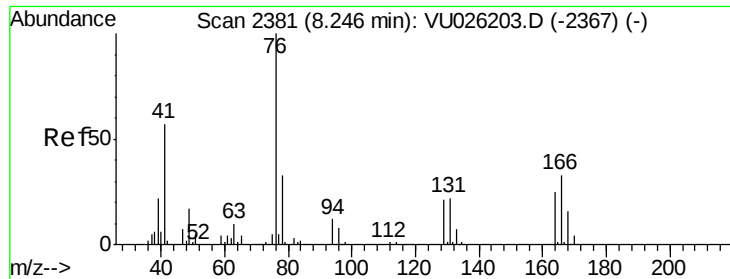
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#52
 1,1,2-Trichloroethane
 Concen: 20.49 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion:	97	Resp:	158431
Ion Ratio	Lower	Upper	
97	100		
83	85.7	72.6	109.0
85	55.7	47.2	70.8
99	61.1	50.8	76.2





#53
 1,3-Dichloropropane
 Concen: 20.79 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

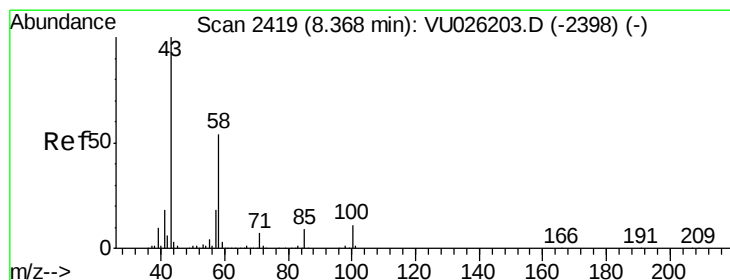
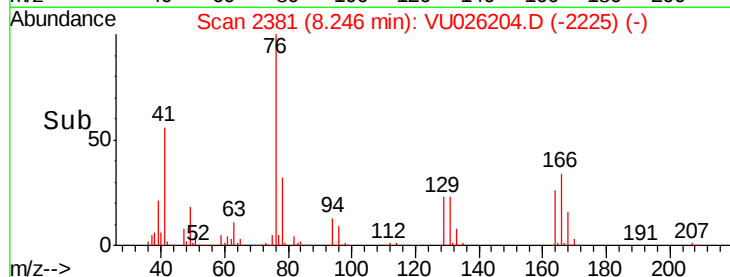
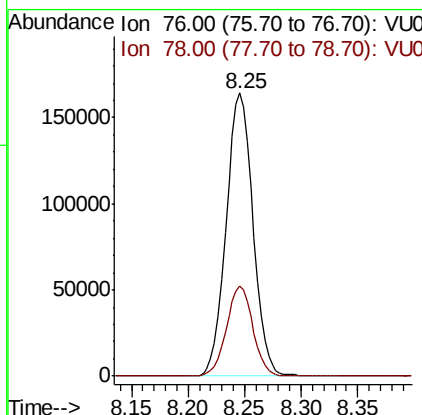
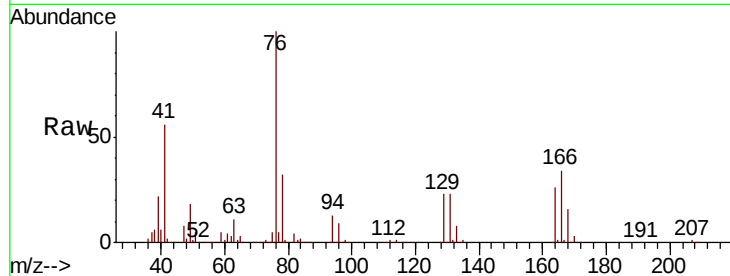
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.7	38.5

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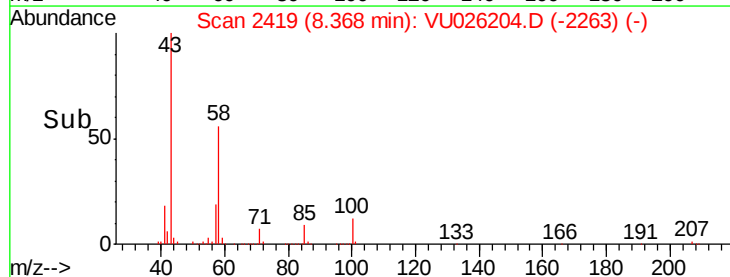
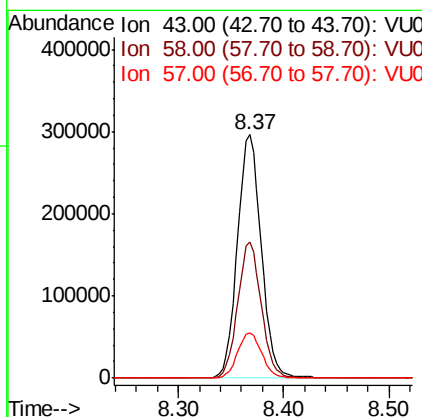
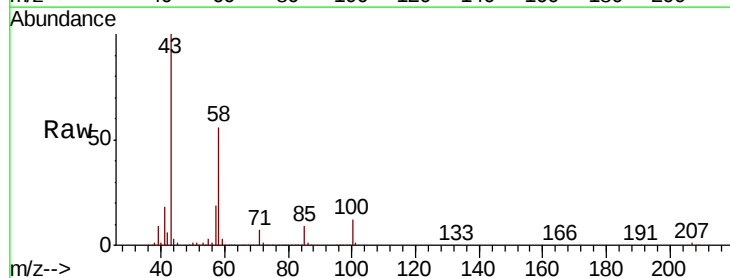
MMDadoda

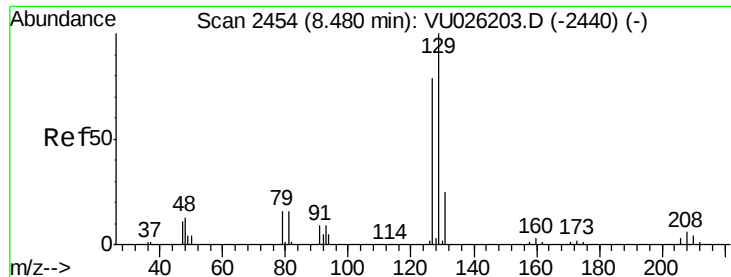
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#54
 2-Hexanone
 Concen: 102.48 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.9	32.5	72.5
57	18.8	0.0	37.9





#55
 Dibromochloromethane
 Concen: 22.17 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

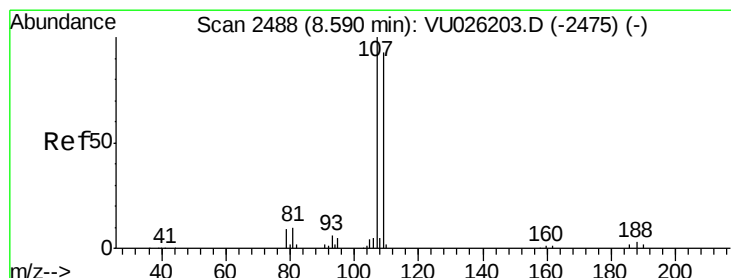
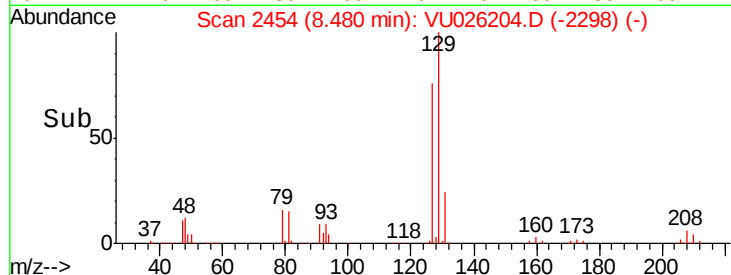
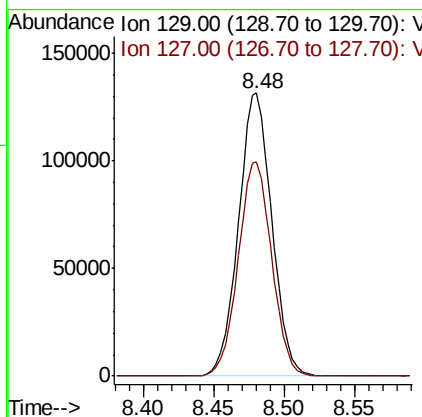
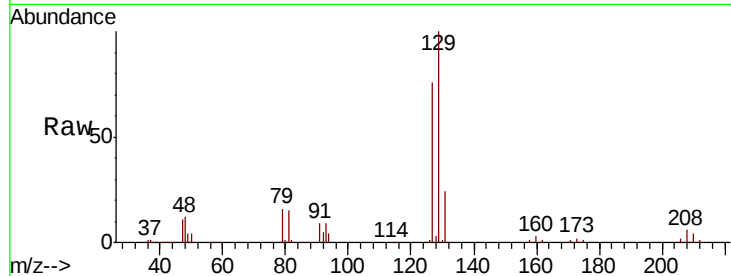
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		217907		
127	76.0		61.1	91.7	

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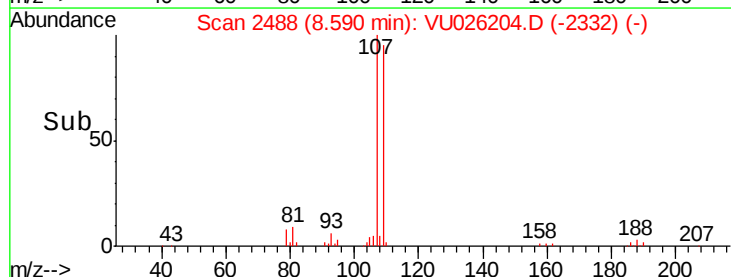
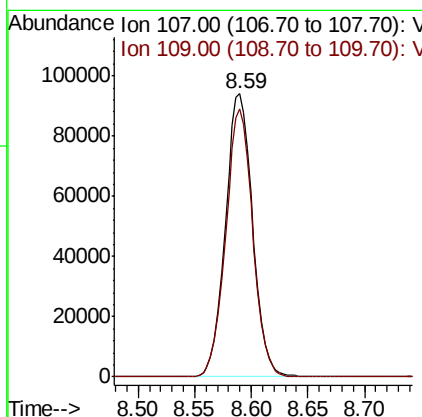
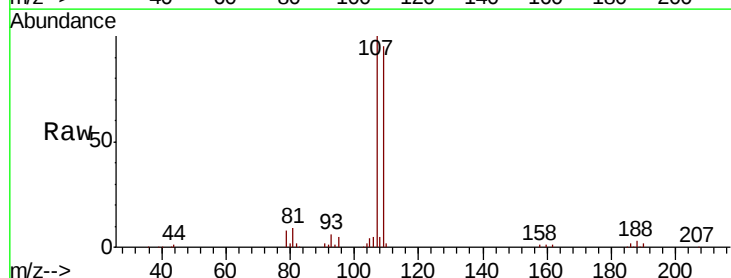
MMDadoda

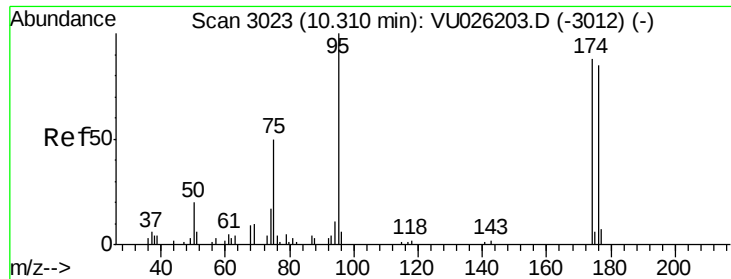
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#56
 1,2-Dibromoethane
 Concen: 21.02 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		157287		
109	93.7		0.0	189.0	





#57
4-Bromofluorobenzene
Concen: 21.02 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

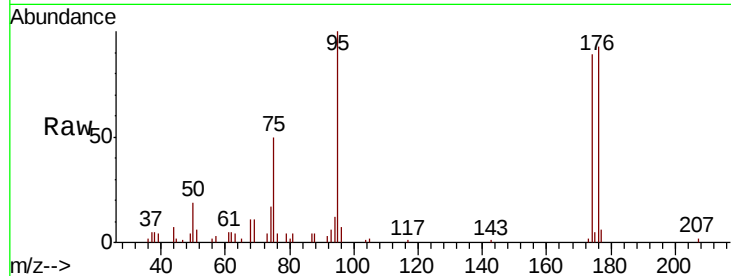
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	95	Resp:	13940
Ion Ratio	Lower	Upper	
95	100		
174	90.8	65.6	98.4
176	90.9	62.0	93.0

Manual Integrations
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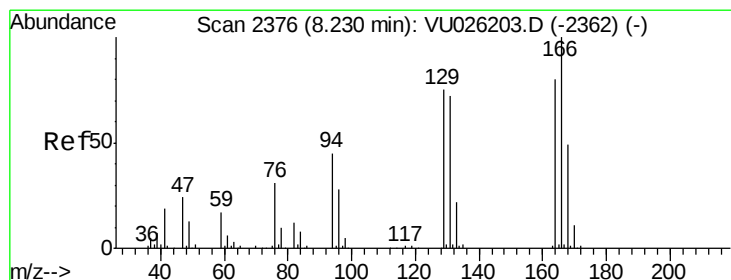
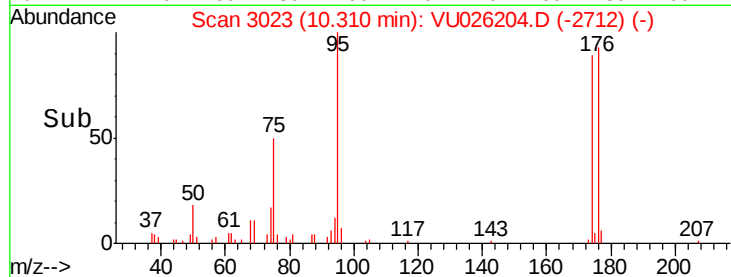
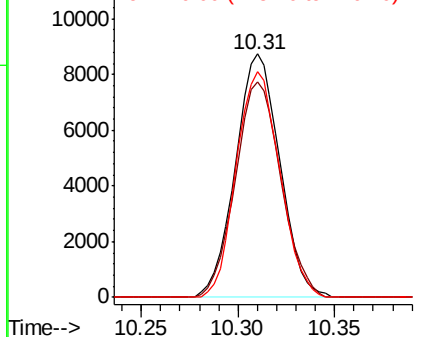


Abundance

Ion 95.00 (94.70 to 95.70): VU026204.D (-2712) (-)

Ion 174.00 (173.70 to 174.70): VU026204.D (-2712) (-)

Ion 176.00 (175.70 to 176.70): VU026204.D (-2712) (-)



#58
Tetrachloroethene
Concen: 19.91 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	164	Resp:	224478
Ion Ratio	Lower	Upper	
164	100		
166	129.4	104.1	156.1
129	93.3	76.8	115.2
131	90.5	72.6	108.8

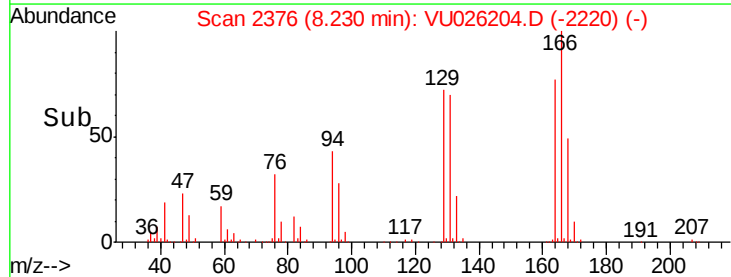
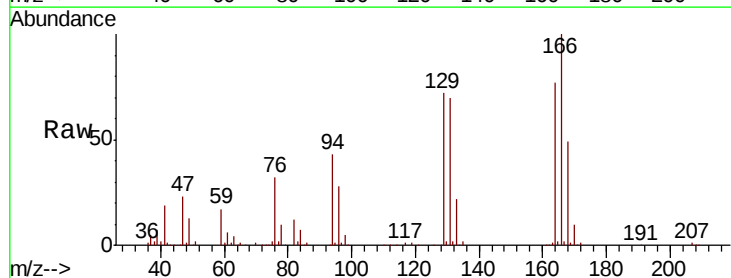
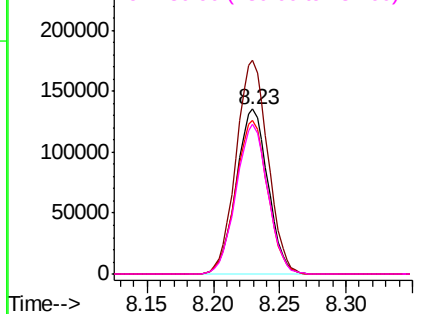
Abundance

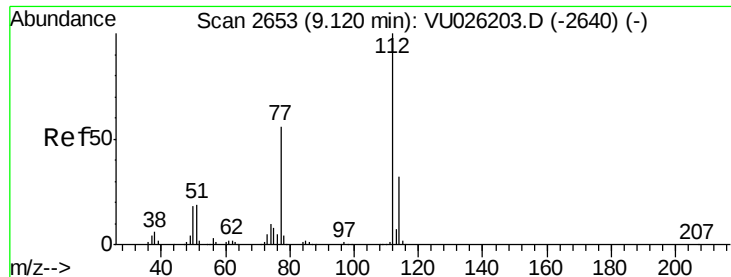
Ion 163.85 (163.55 to 164.55): VU026204.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU026204.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU026204.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU026204.D (-2220) (-)





#59
Chlorobenzene
Concen: 20.29 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

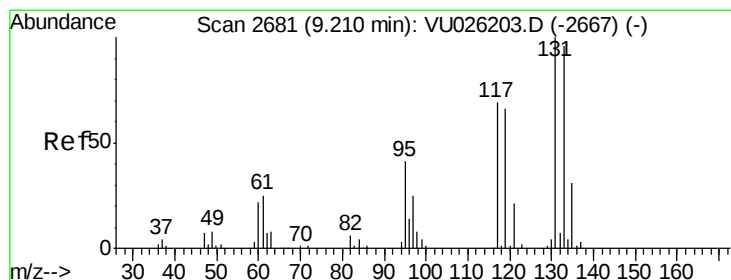
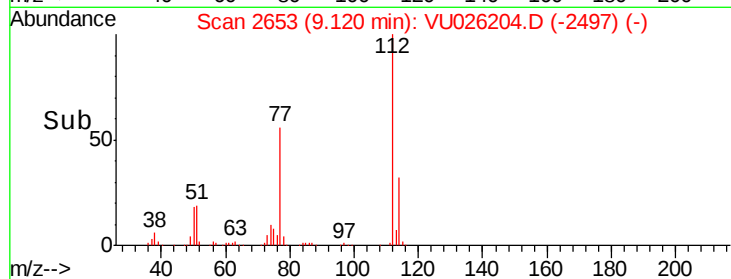
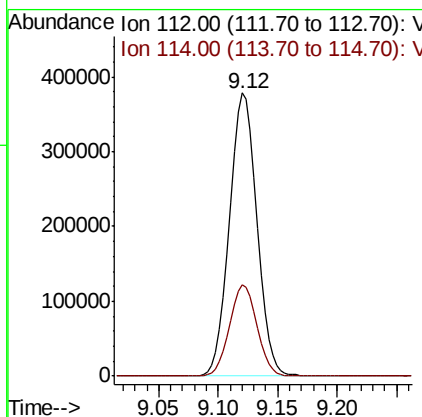
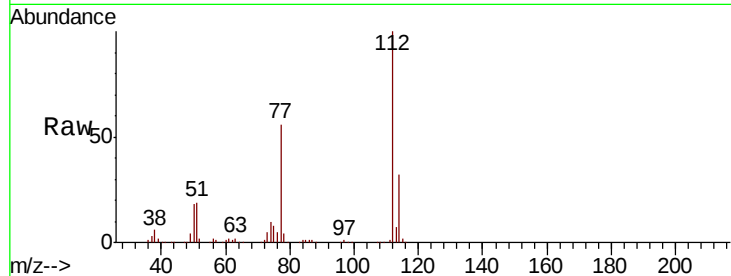
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	607159		
114	32.4	25.4	38.2	

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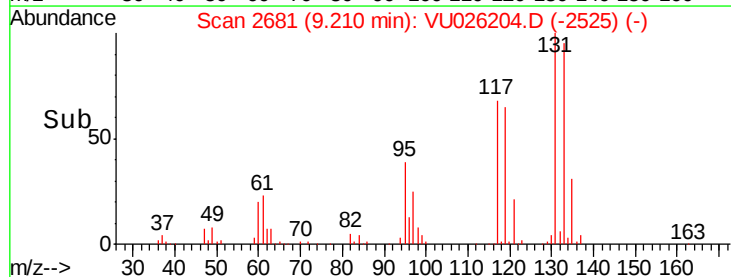
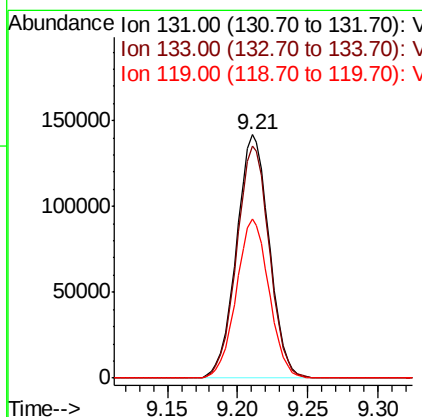
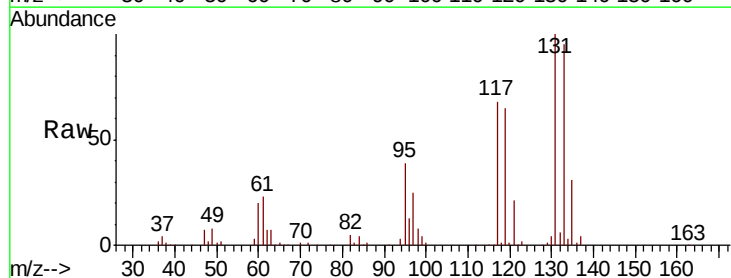
MMDadoda

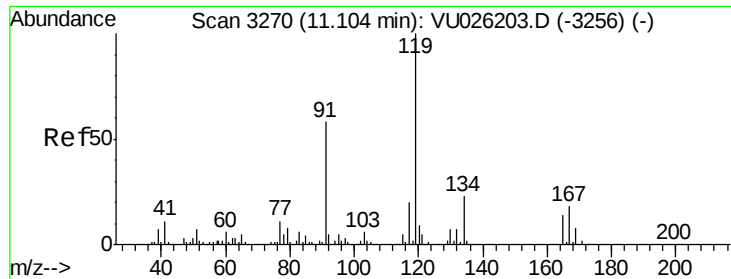
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#60
1,1,1,2-Tetrachloroethane
Concen: 20.84 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	231504		
133	95.0	75.8	113.8	
119	65.0	53.0	79.6	





#61

Pentachloroethane

Concen: 22.23 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:117 Resp: 188512

Ion Ratio Lower Upper

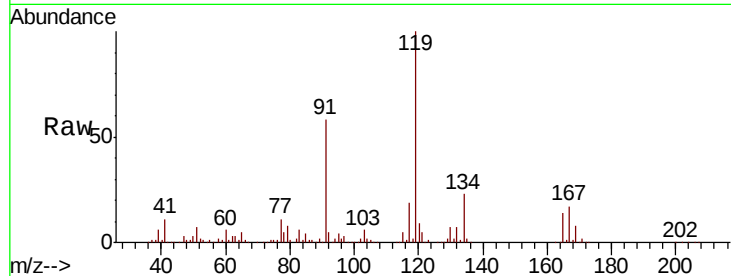
117 100

167 89.6 69.2 103.8

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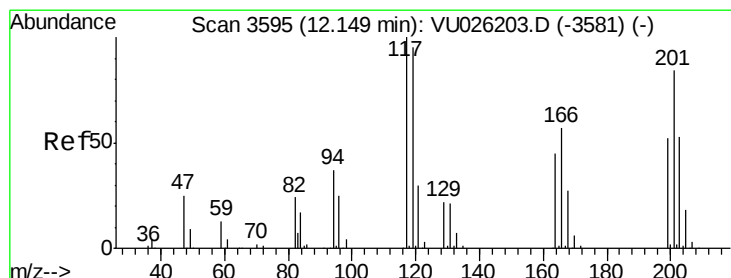
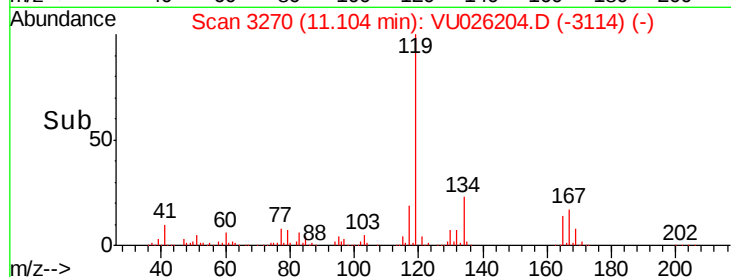
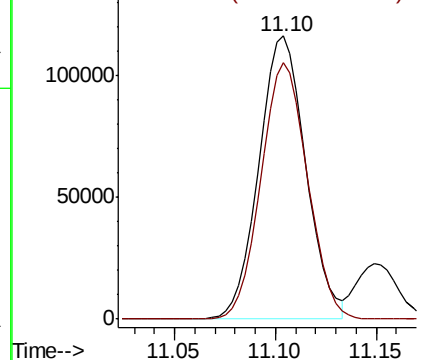
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 23.53 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU026204.D

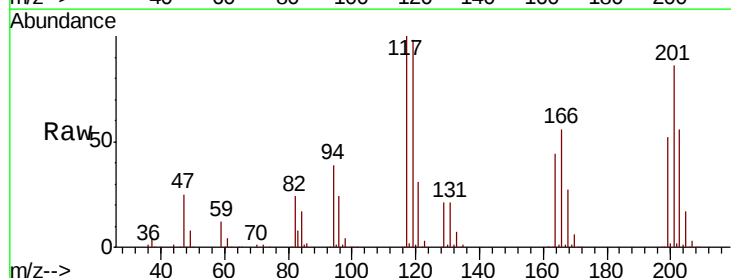
Acq: 20 Aug 2018 13:12

Tgt Ion:117 Resp: 203760

Ion Ratio Lower Upper

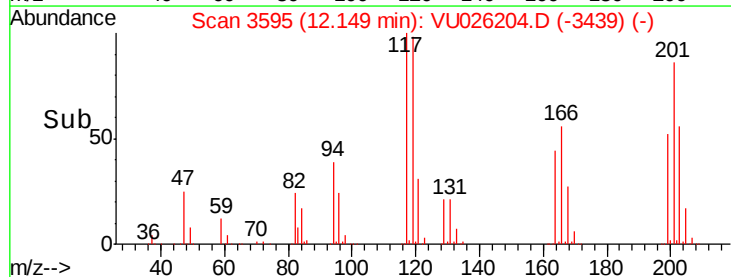
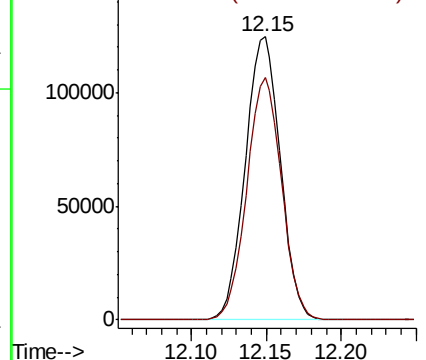
117 100

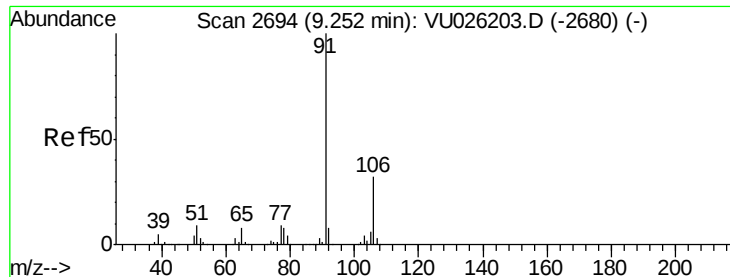
201 84.8 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 21.40 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 1065145

Ion Ratio Lower Upper

91 100

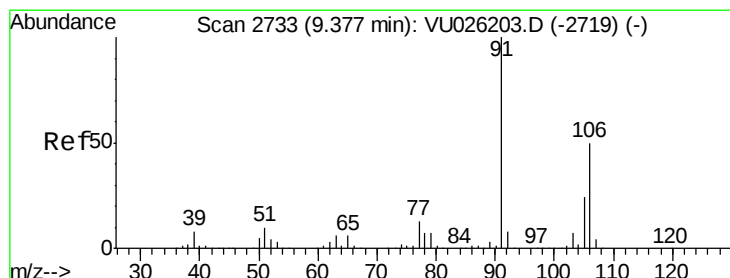
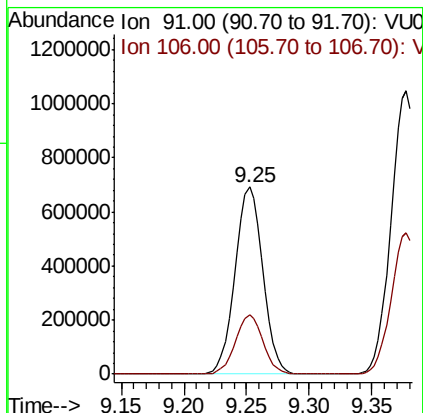
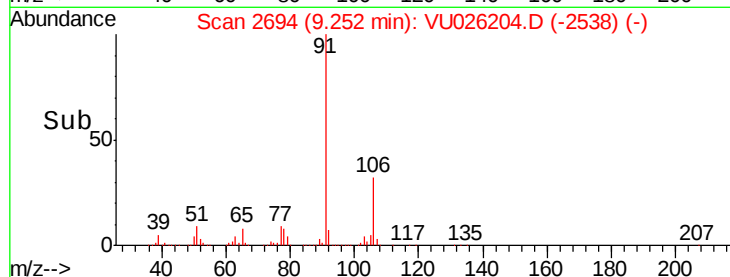
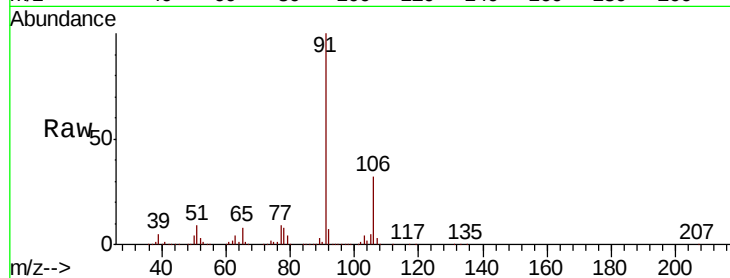
106 31.7 24.7 37.1

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#64

m/p-Xylenes

Concen: 43.21 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026204.D

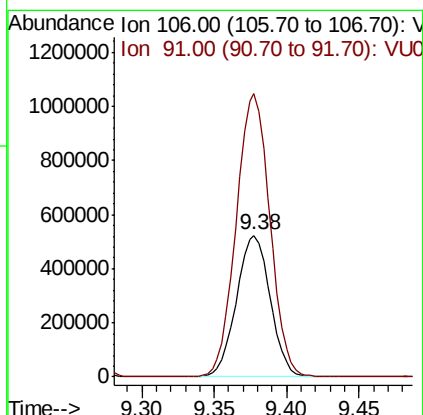
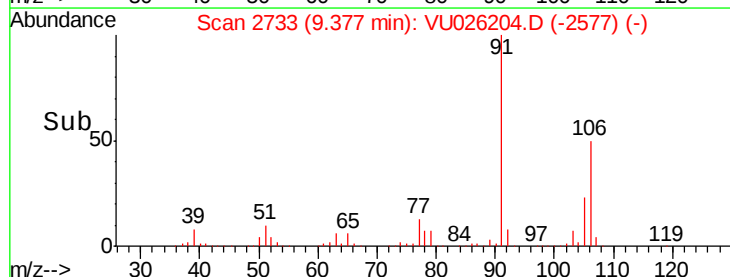
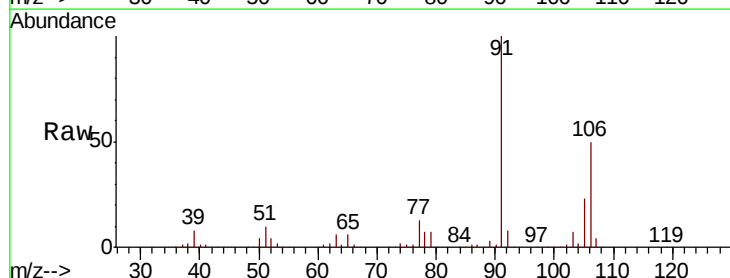
Acq: 20 Aug 2018 13:12

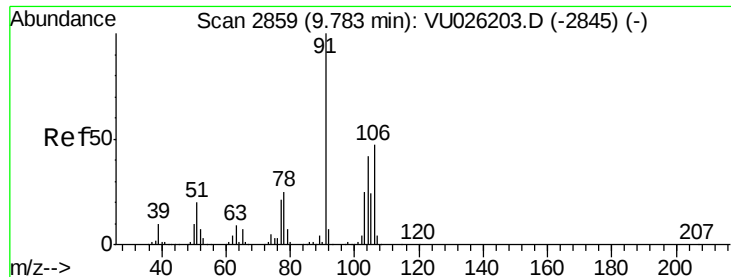
Tgt Ion: 106 Resp: 845295

Ion Ratio Lower Upper

106 100

91 200.1 164.1 246.1





#65
o-Xylene
Concen: 21.50 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

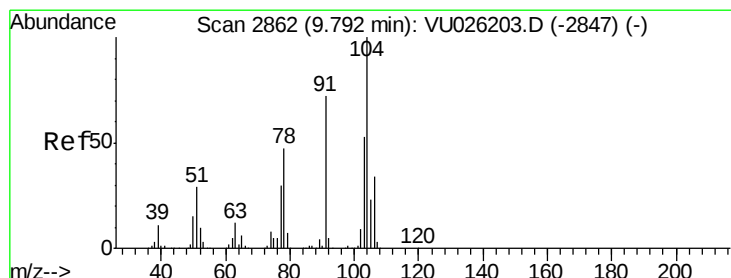
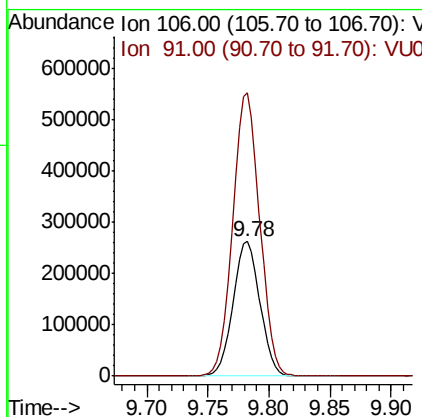
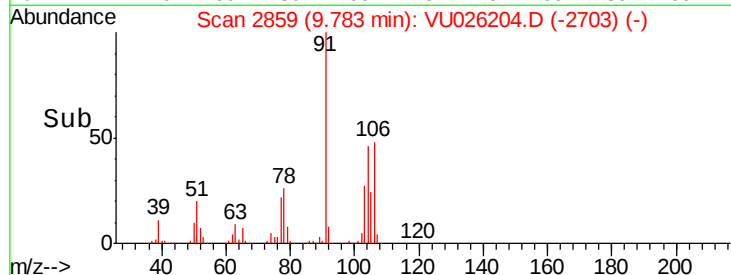
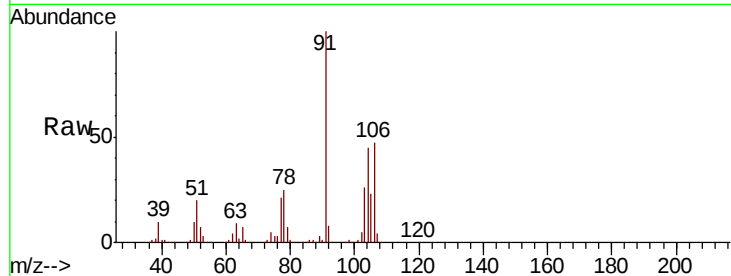
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	400831		
91	91	212.0	107.9	323.7	

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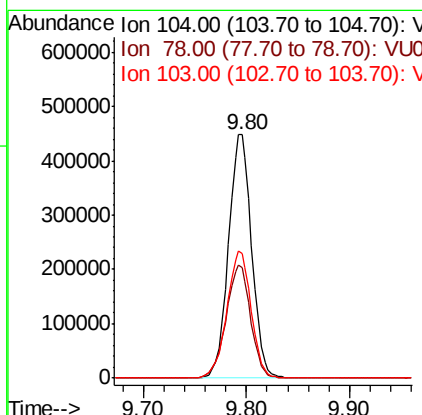
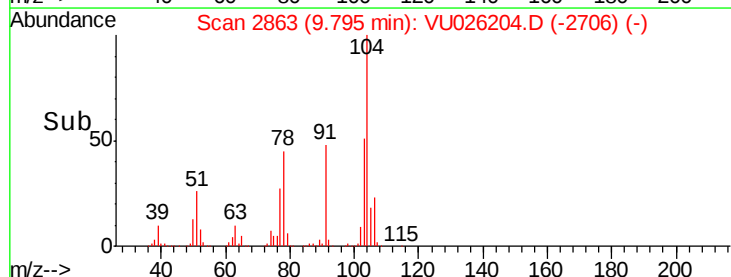
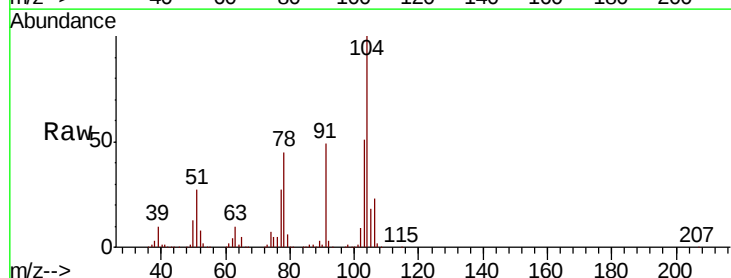
MMDadoda

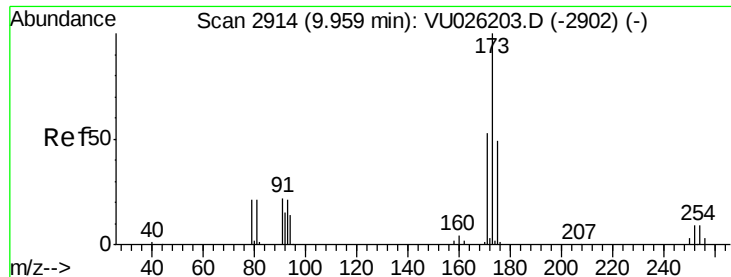
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#66
Styrene
Concen: 22.15 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	701197		
78	78	49.1	40.2	60.2	
103	103	54.5	44.2	66.4	





#67

Bromoform

Concen: 22.79 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 132168

Ion Ratio Lower Upper

173 100

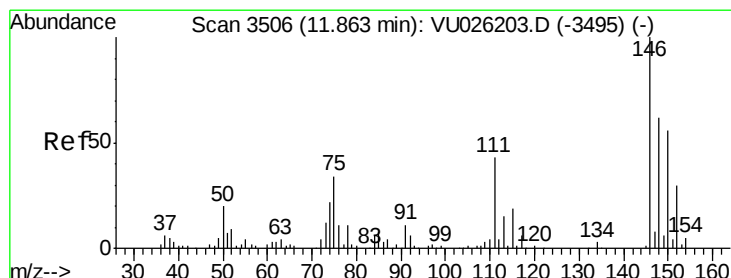
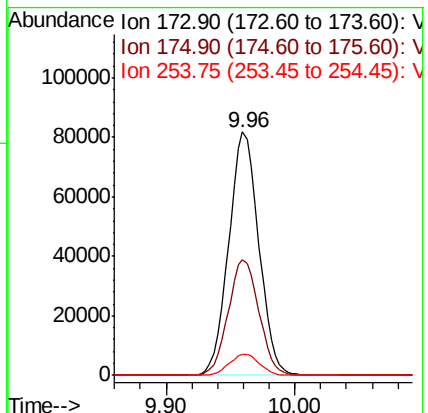
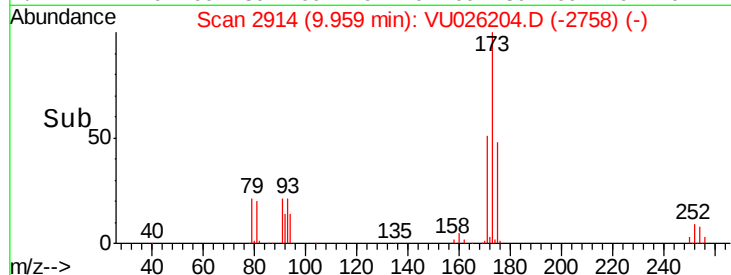
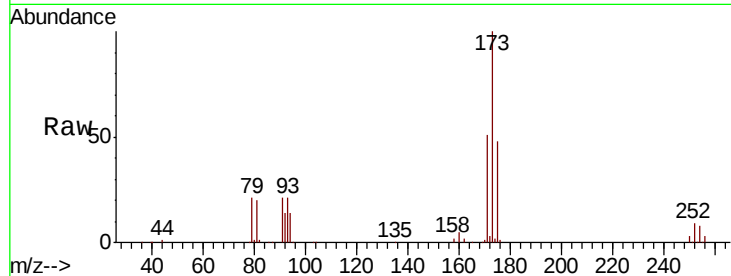
175 48.4 38.6 57.8

254 8.5 8.8 13.2#

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#68

1,2-Dichlorobenzene-d4

Concen: 22.79 ug/l

RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

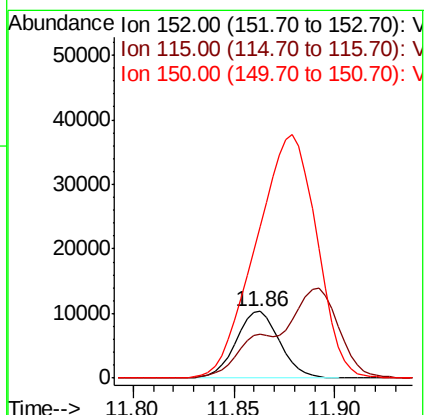
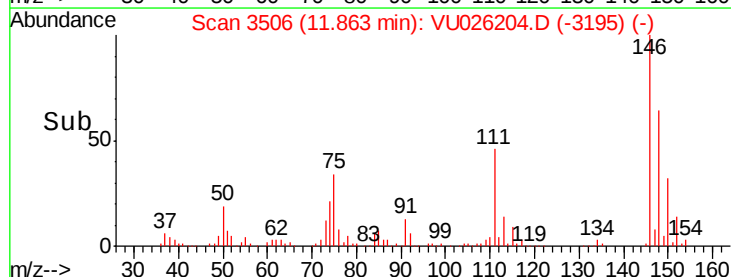
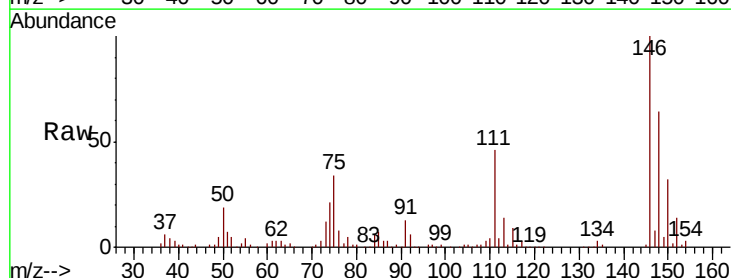
Tgt Ion:152 Resp: 15665

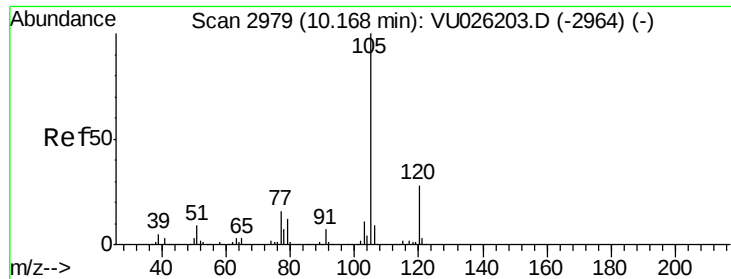
Ion Ratio Lower Upper

152 100

115 55.1 0.0 118.8

150 0.0 0.0 0.0





#69

Isopropylbenzene

Concen: 21.39 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1077481

Ion Ratio Lower Upper

105 100

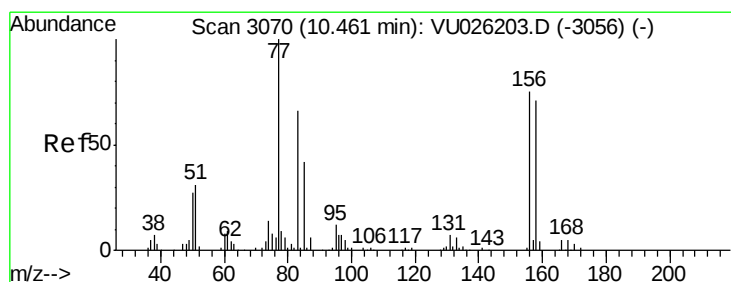
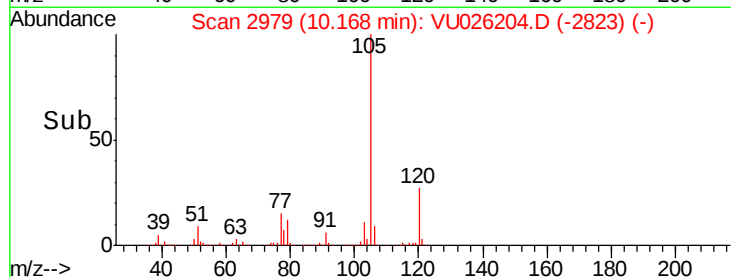
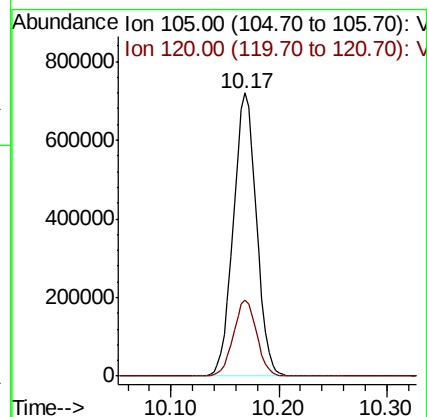
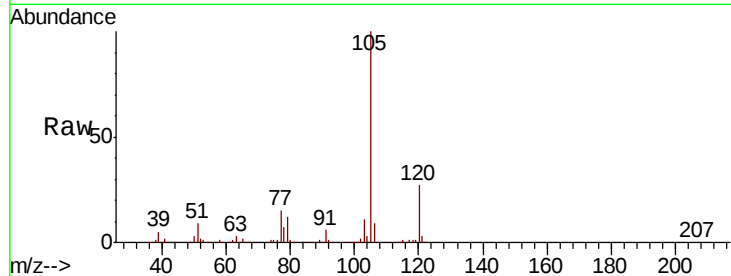
120 27.0 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 20.96 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

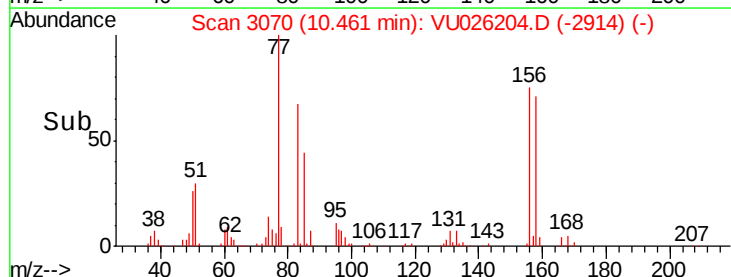
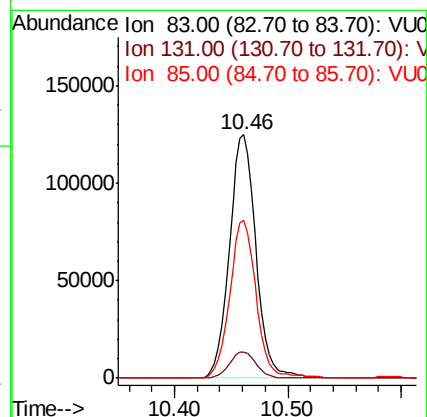
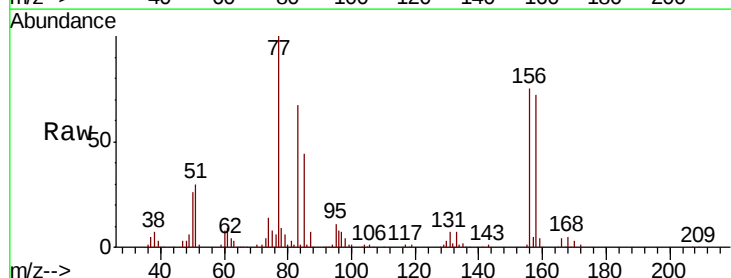
Tgt Ion: 83 Resp: 203650

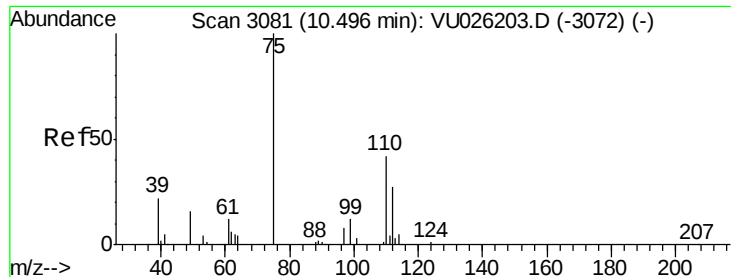
Ion Ratio Lower Upper

83 100

131 10.8 7.9 11.9

85 64.7 51.8 77.6





#71
 1,2,3-Trichloropropane
 Concen: 19.45 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

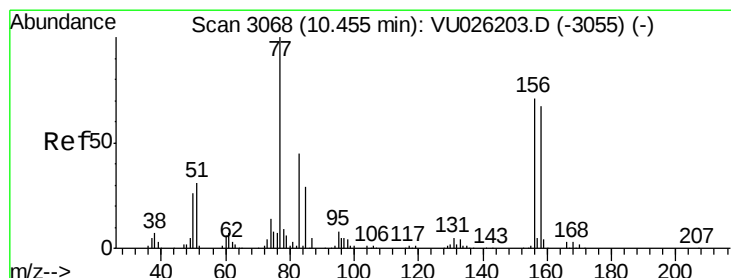
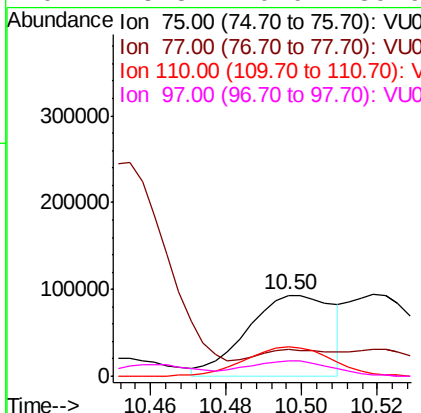
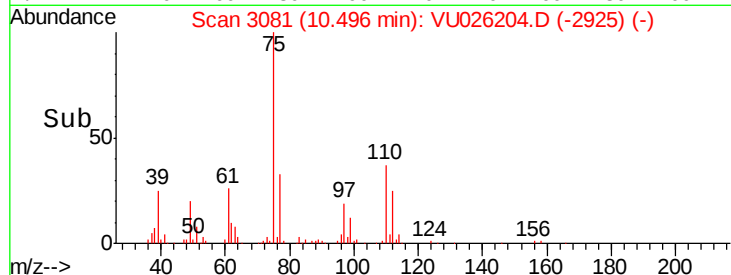
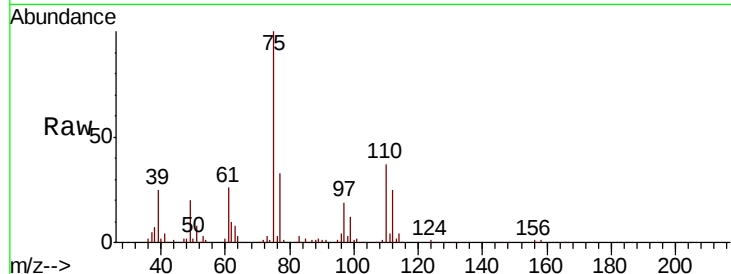
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	9.7	0.0	0.0#
110	37.4	0.0	74.0
97	18.8	0.0	39.6

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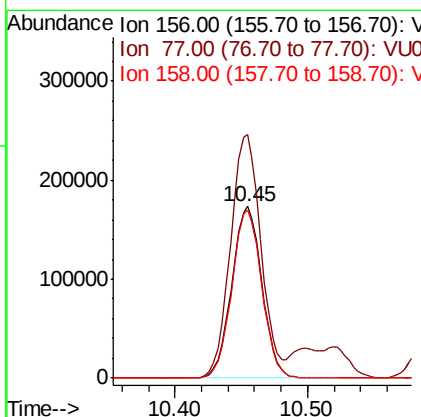
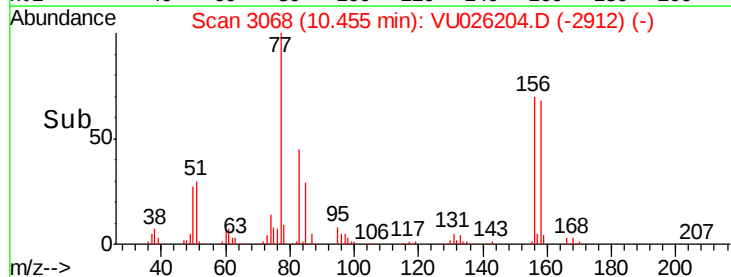
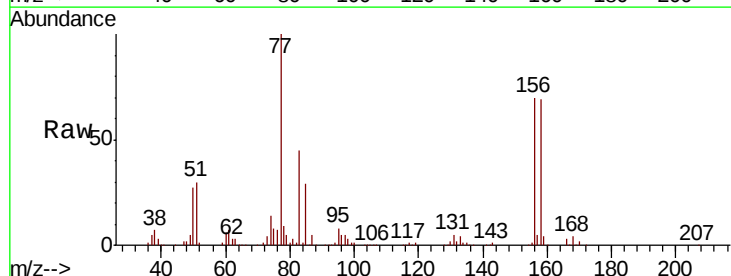
MMDadoda

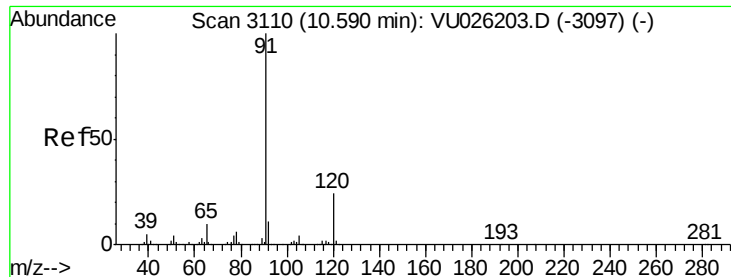
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#72
 Bromobenzene
 Concen: 20.90 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.2	0.0	309.8
158	96.9	0.0	193.0





#73

n-propylbenzene

Concen: 22.36 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:120 Resp: 317337

Ion Ratio Lower Upper

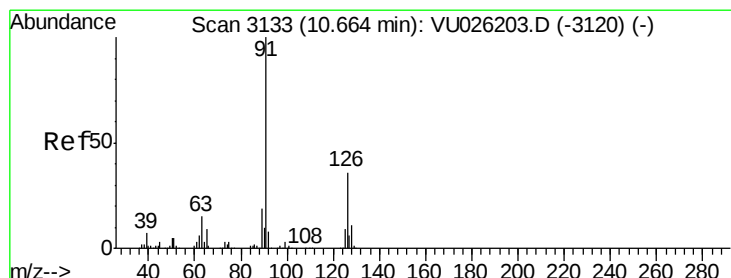
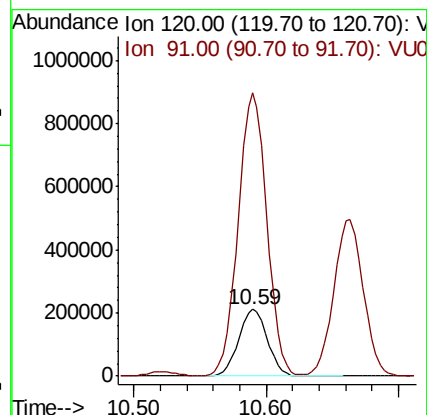
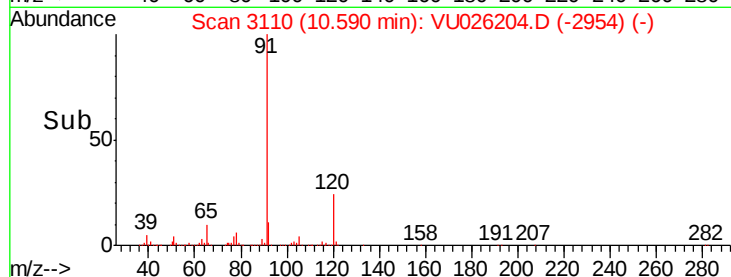
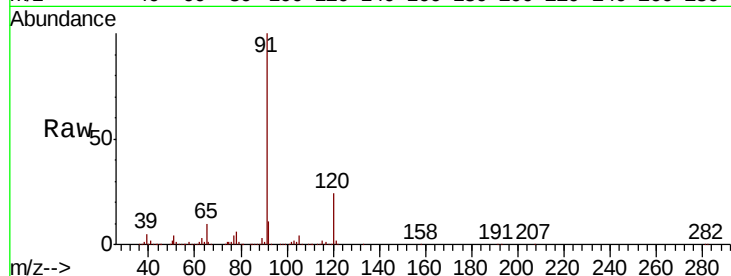
120 100

91 423.1 352.2 528.4

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#74

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026204.D

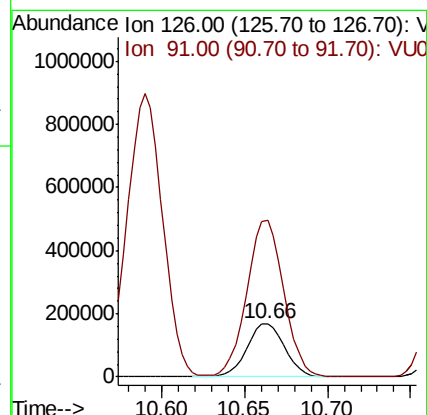
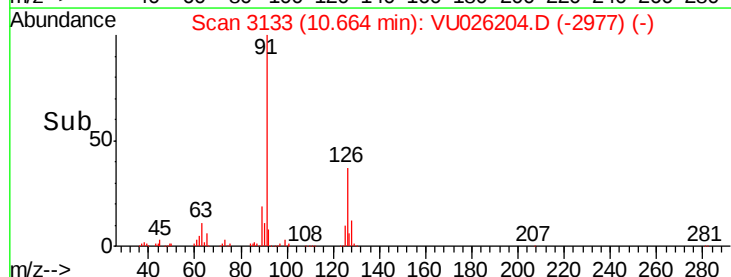
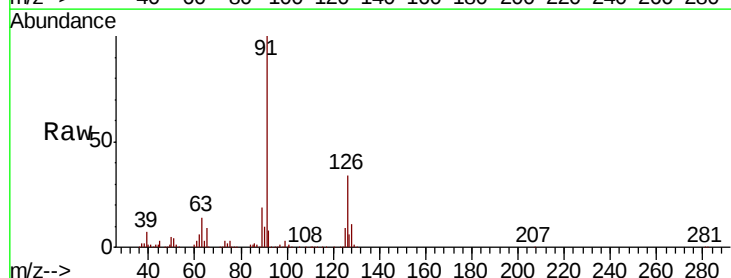
Acq: 20 Aug 2018 13:12

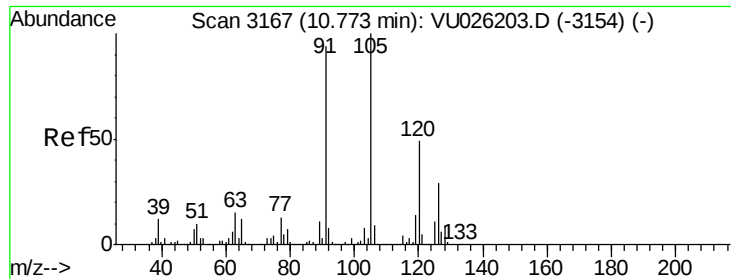
Tgt Ion:126 Resp: 266060

Ion Ratio Lower Upper

126 100

91 286.7 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 21.72 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 955066

Ion Ratio Lower Upper

105 100

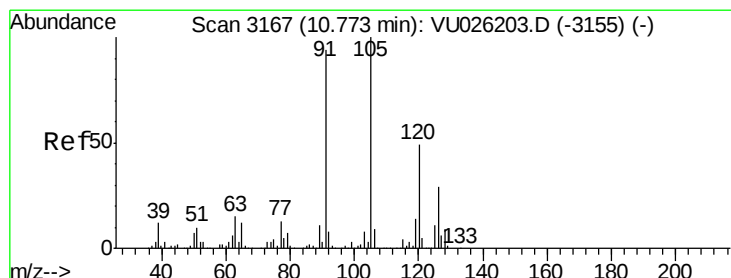
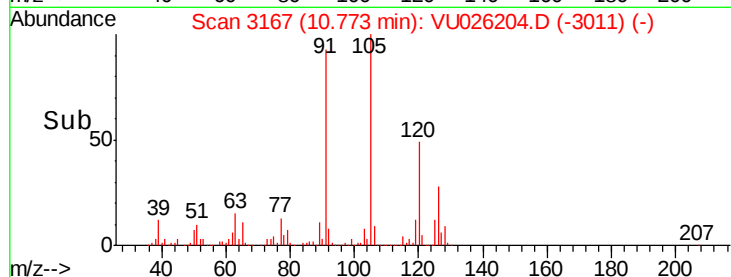
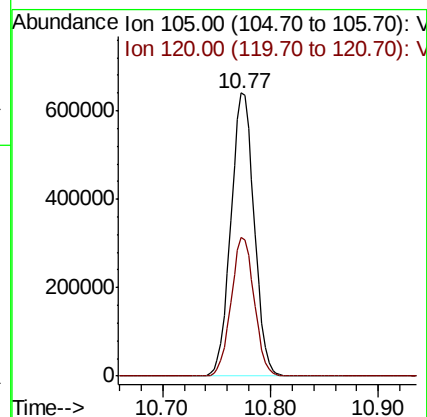
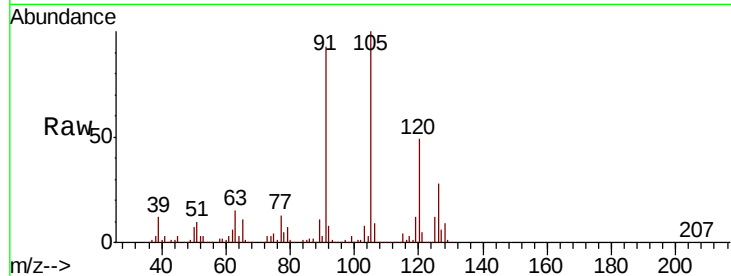
120 48.8 39.0 58.6

Manual Integrations

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#76

4-Chlorotoluene

Concen: 21.21 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026204.D

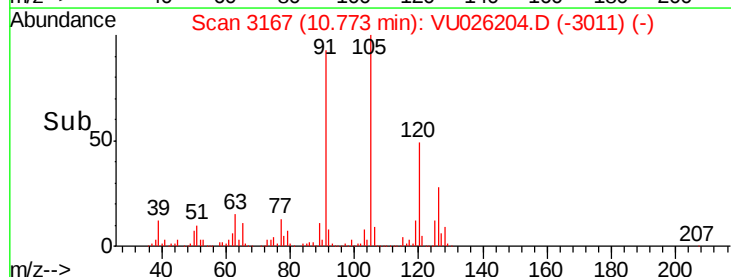
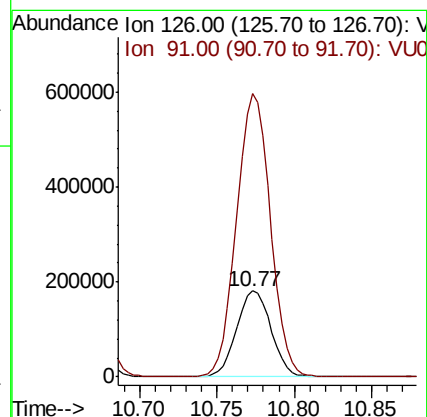
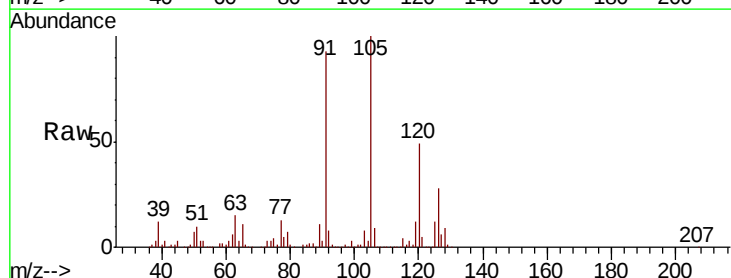
Acq: 20 Aug 2018 13:12

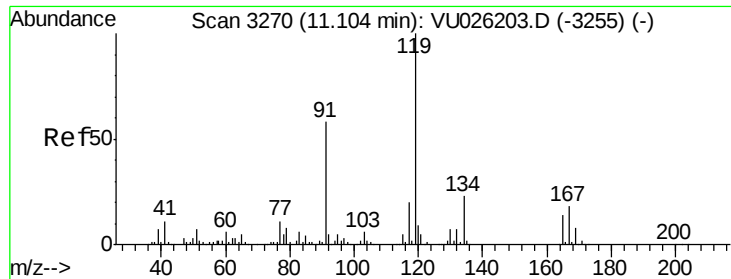
Tgt Ion:126 Resp: 278518

Ion Ratio Lower Upper

126 100

91 325.1 0.0 667.2





#77
tert-Butylbenzene
Concen: 21.62 ug/l
RT: 11.10 min Scan# 3269
Delta R.T. -0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

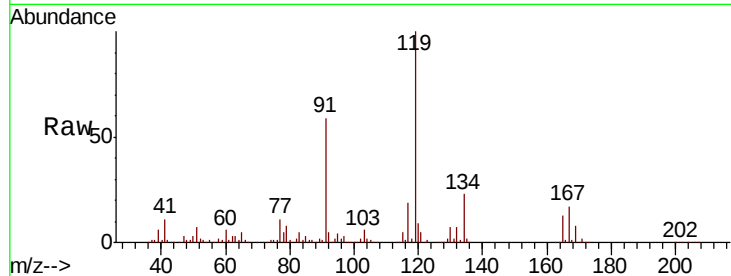
Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	23.0	19.1	28.7

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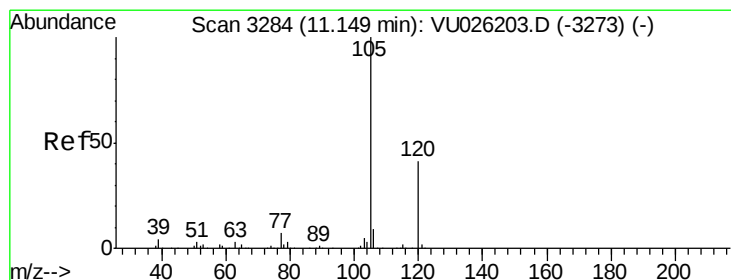
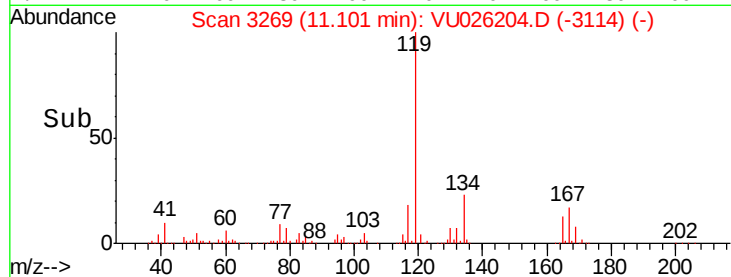
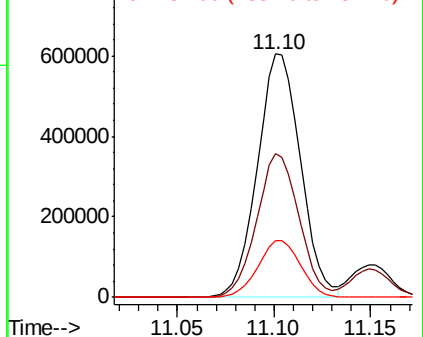


Abundance

Ion 119.00 (118.70 to 119.70): V

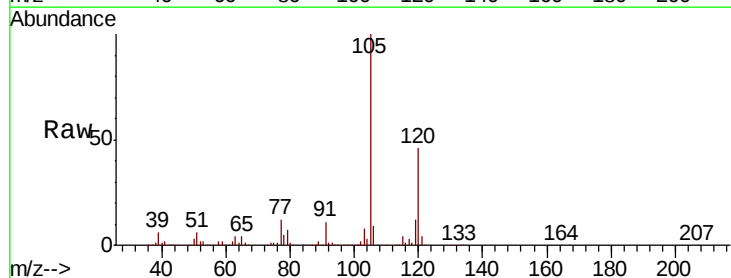
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78
1,2,4-Trimethylbenzene
Concen: 22.16 ug/l
RT: 11.15 min Scan# 3284
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

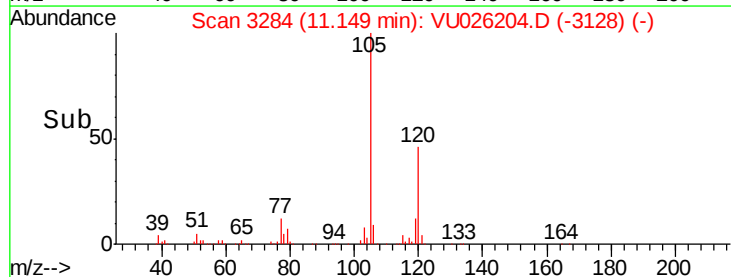
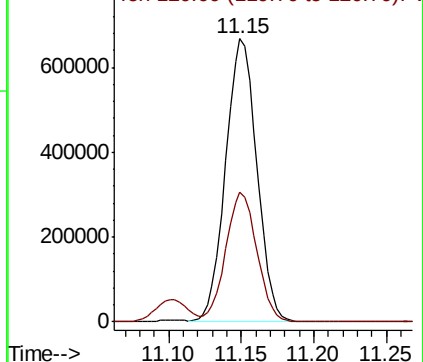
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.3

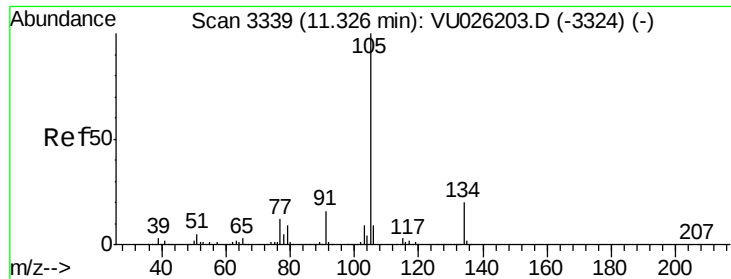


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 21.85 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 1245451

Ion Ratio Lower Upper

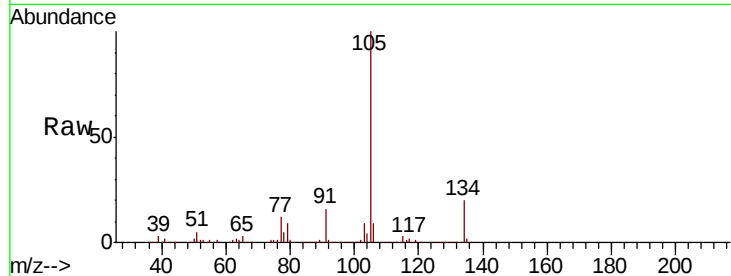
105 100

134 20.3 15.6 23.4

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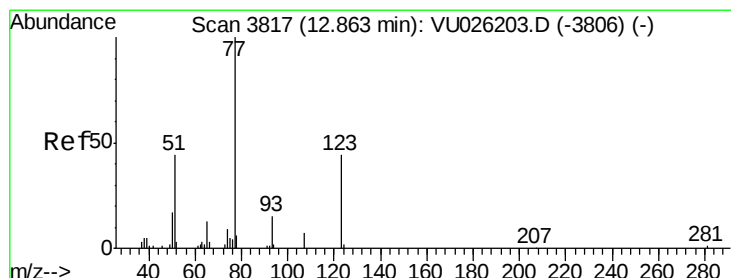
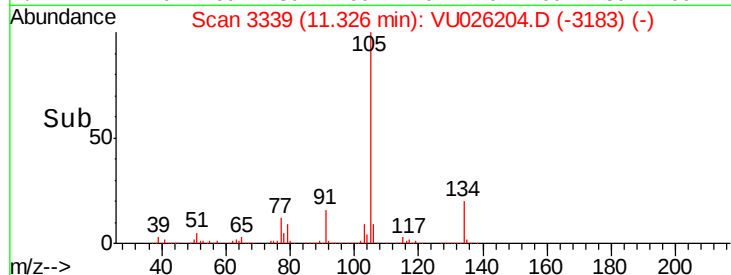
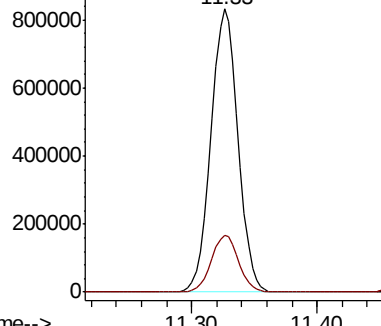
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 169.50 ug/l

RT: 12.86 min Scan# 3816

Delta R.T. -0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

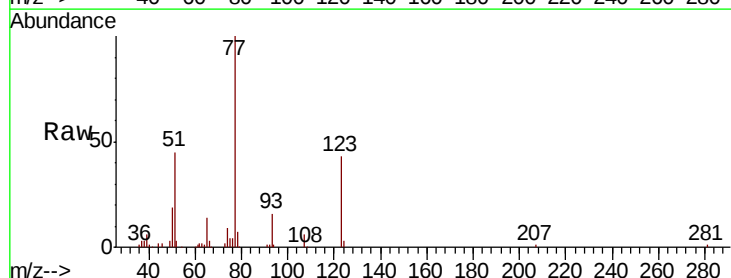
Tgt Ion: 77 Resp: 50119

Ion Ratio Lower Upper

77 100

123 44.8 19.4 68.6

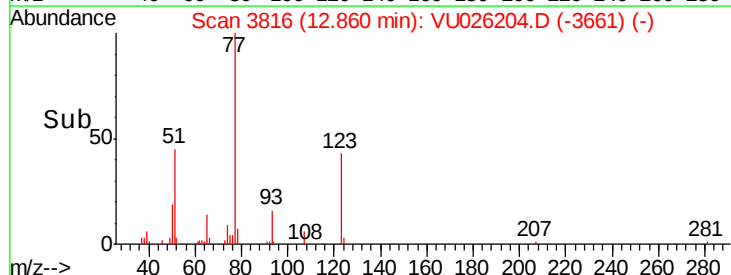
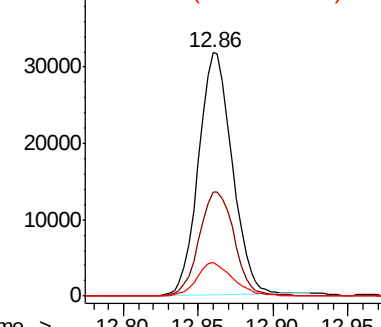
65 14.8 11.2 14.2#

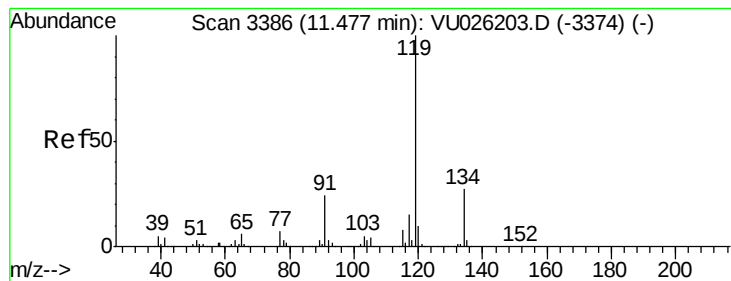


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 22.35 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:119 Resp: 1079873

Ion Ratio Lower Upper

119 100

134 26.6 20.9 31.3

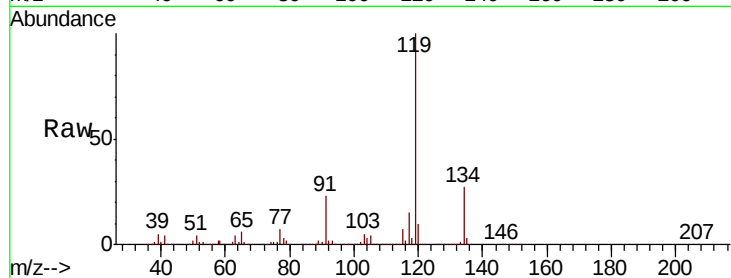
91 23.5 18.2 27.2

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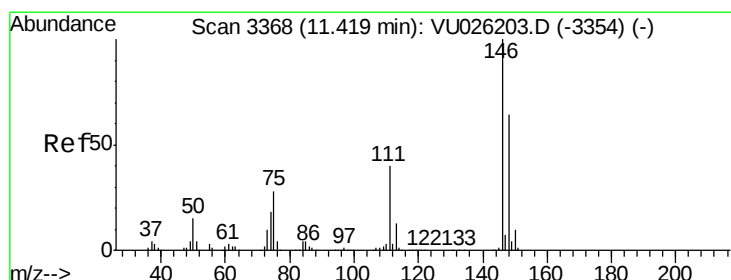
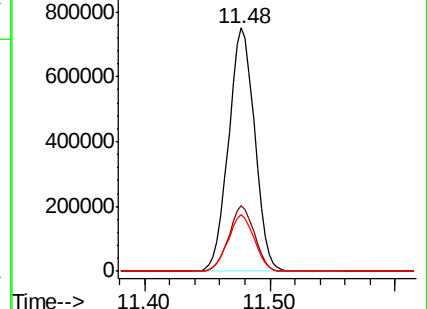
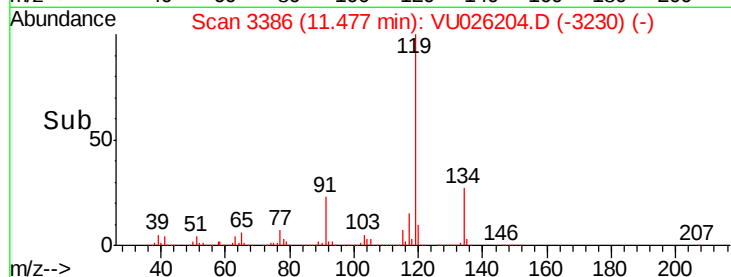
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 20.94 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026204.D

Acq: 20 Aug 2018 13:12

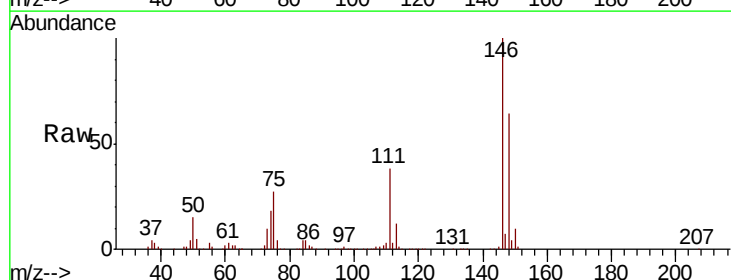
Tgt Ion:146 Resp: 563369

Ion Ratio Lower Upper

146 100

111 38.7 31.8 47.6

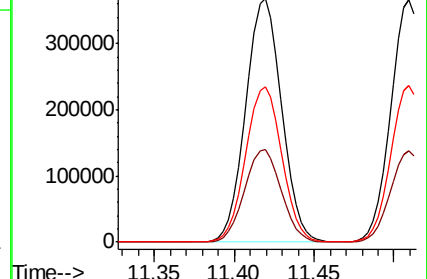
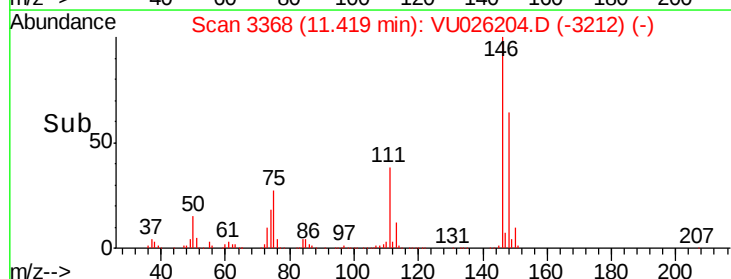
148 64.4 51.0 76.4

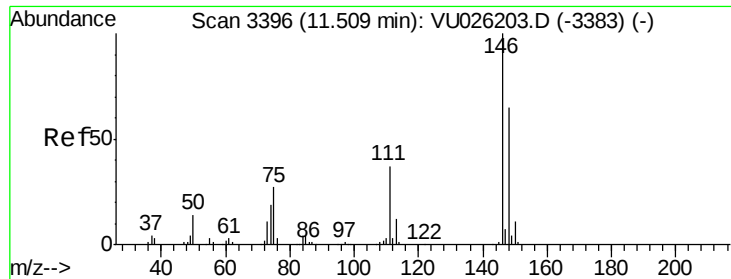


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83
 1,4-Dichlorobenzene
 Concen: 21.50 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

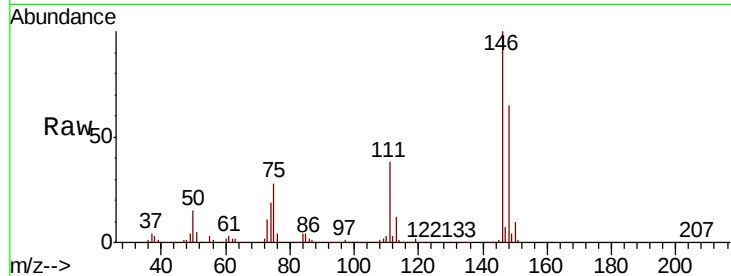
Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC020

Tot Ion:	146	Resp:	563975
Ion Ratio	Lower	Upper	
146	100		
111	37.6	30.1	45.1
148	64.7	50.6	76.0

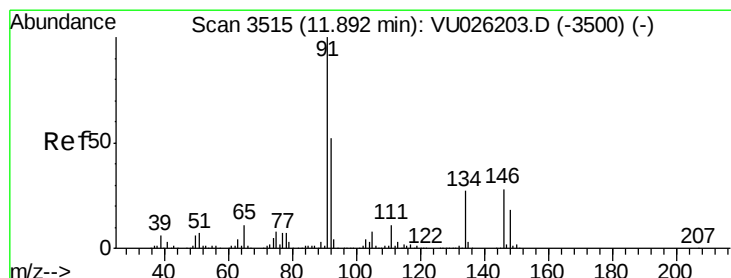
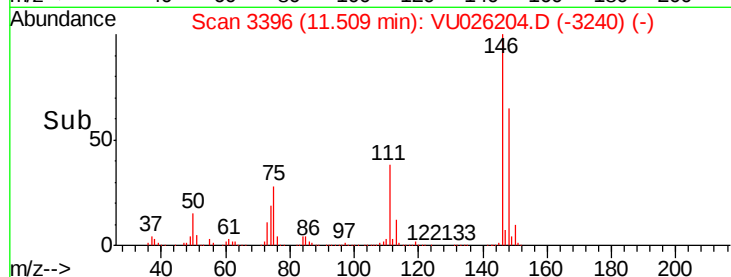
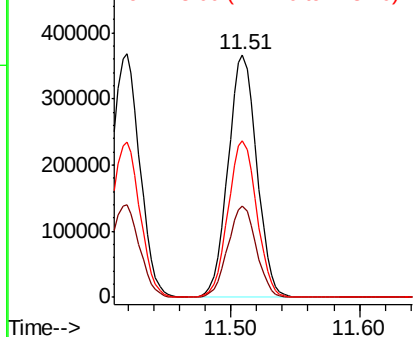
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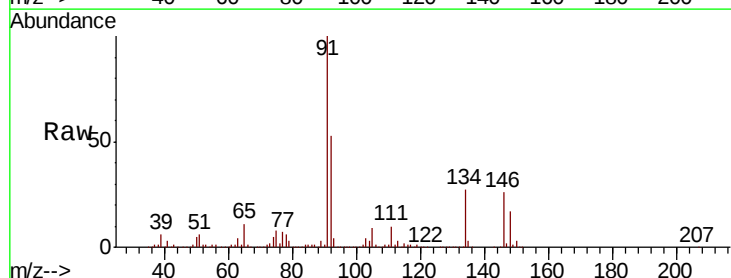


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

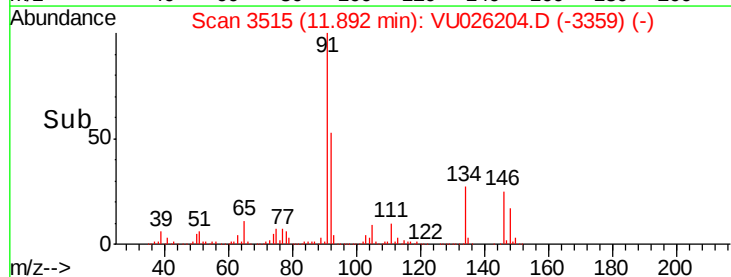
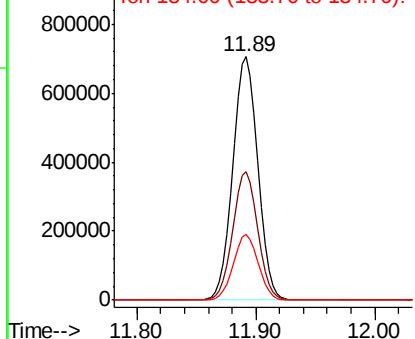


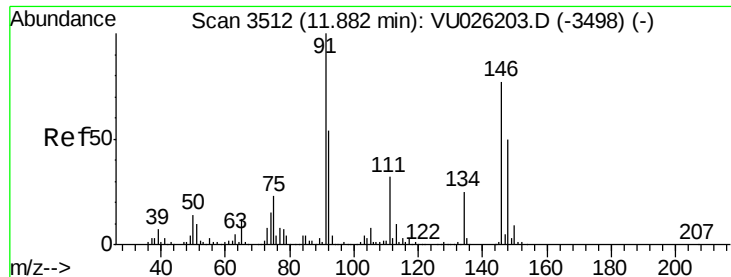
#84
 n-Butylbenzene
 Concen: 22.73 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion:	91	Resp:	1030442
Ion Ratio	Lower	Upper	
91	100		
92	52.6	42.2	63.2
134	26.8	20.3	30.5



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85
 1,2-Dichlorobenzene
 Concen: 21.11 ug/l
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

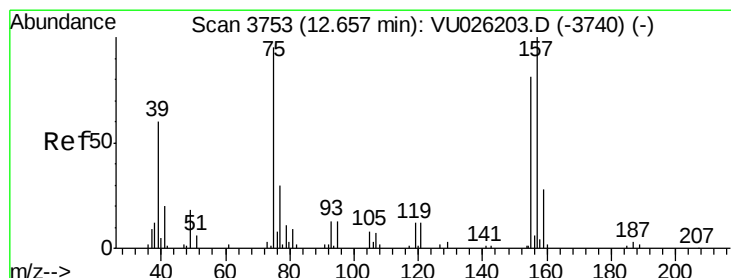
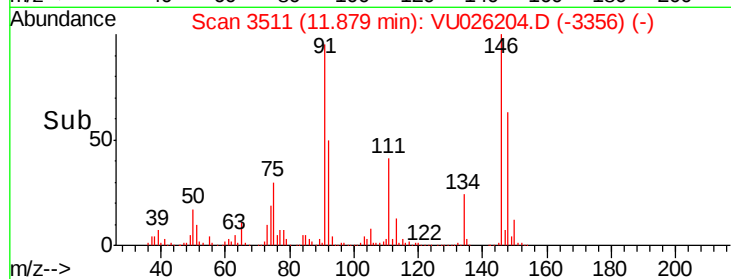
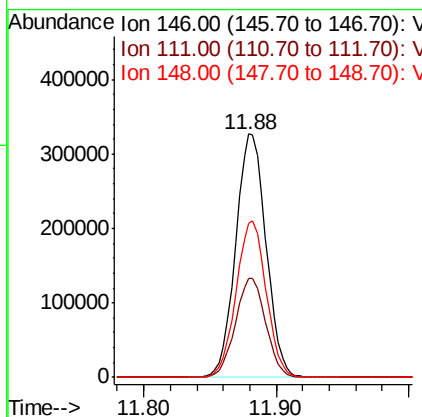
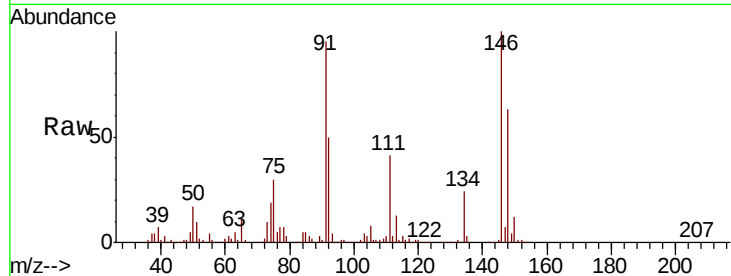
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.8	31.9	95.5

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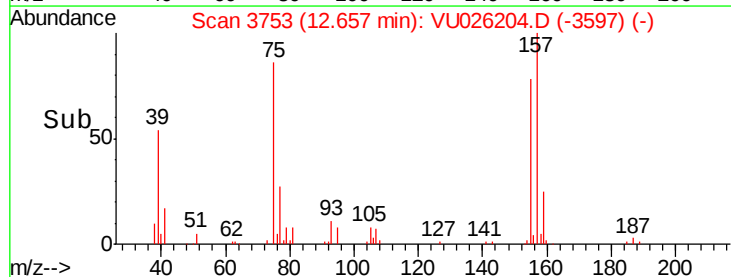
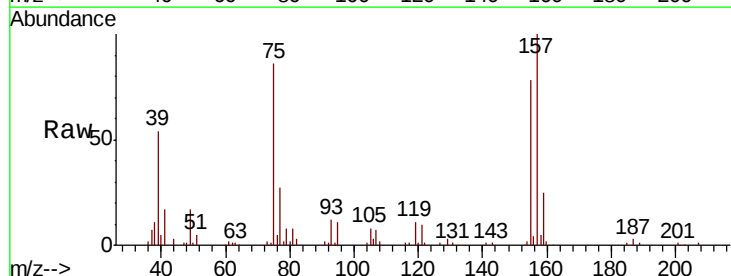
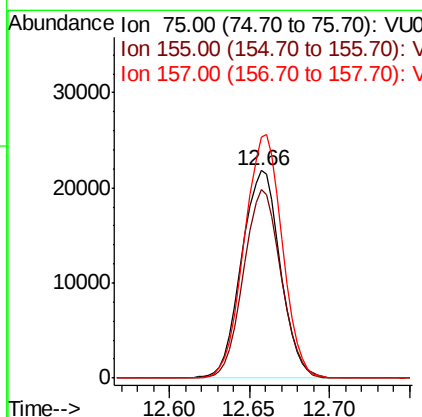
MMDadoda

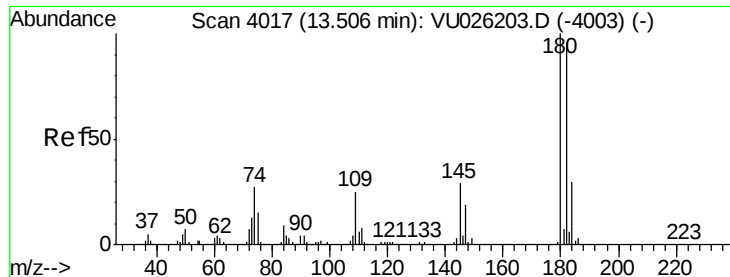
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 22.47 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	65.8	98.6
157	114.9	83.5	125.3





#87
 1,2,4-Trichlorobenzene
 Concen: 22.95 ug/l
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

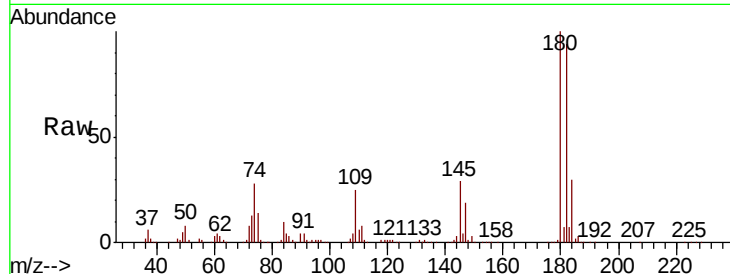
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	392460
Ion Ratio	Lower	Upper	
180	100		
182	95.2	77.1	115.7
145	29.3	23.3	34.9

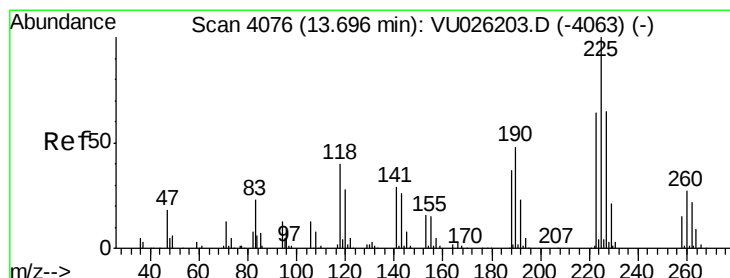
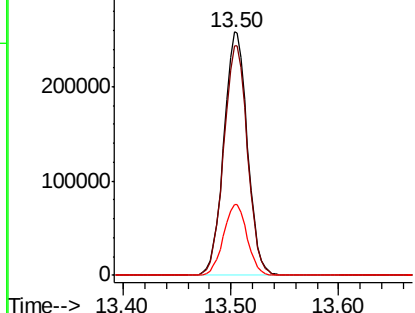
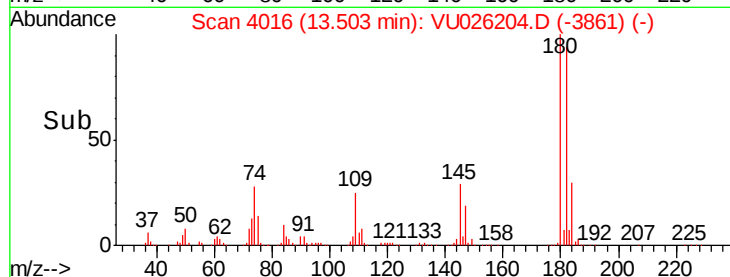
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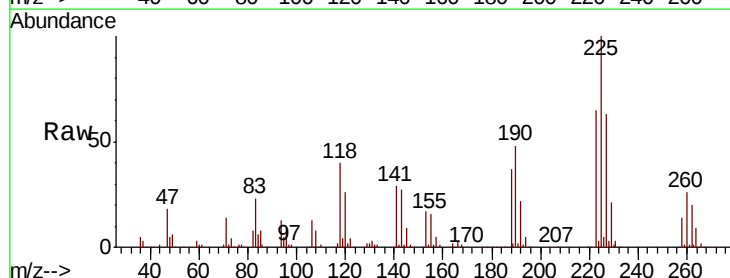


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

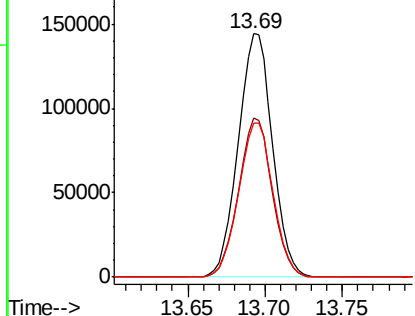
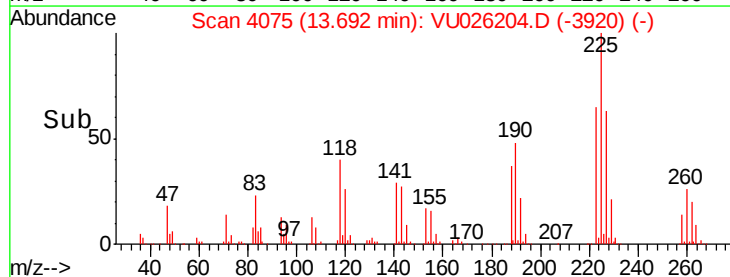


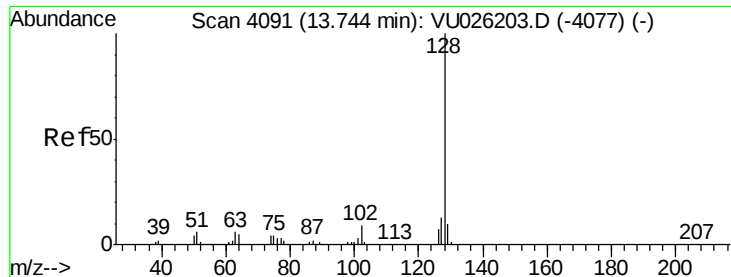
#88
 Hexachlorobutadiene
 Concen: 21.12 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026204.D
 Acq: 20 Aug 2018 13:12

Tgt Ion:	225	Resp:	221960
Ion Ratio	Lower	Upper	
225	100		
223	64.0	50.6	75.8
227	63.6	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: 24.60 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

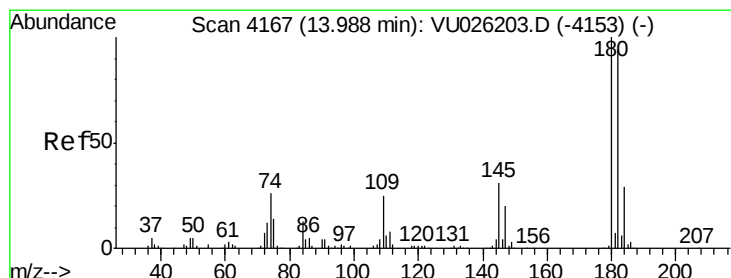
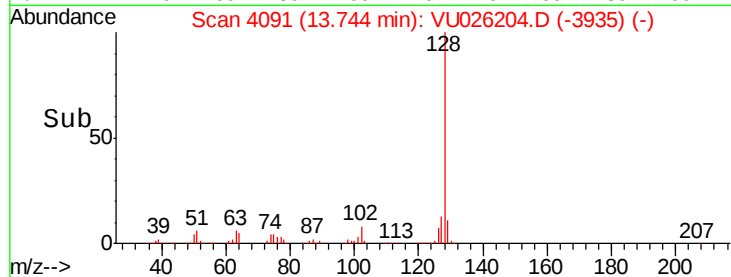
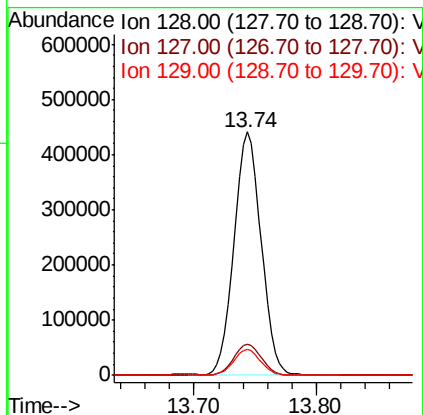
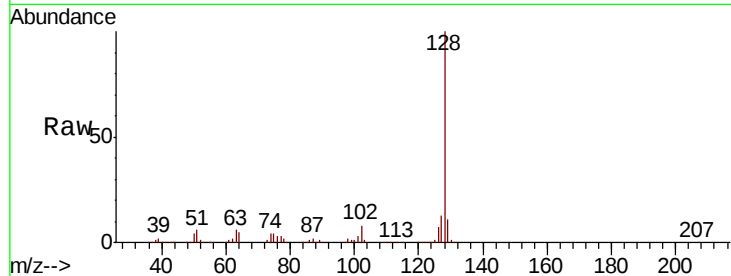
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	682922
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.6	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 23.26 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026204.D
Acq: 20 Aug 2018 13:12

Tgt Ion:	180	Resp:	363481
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.8	115.2
145	31.7	24.6	36.8

