

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026201.D
 Acq On : 20 Aug 2018 12:00
 Operator : MD/SY
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:34:24 AM

Quant Time: Aug 20 13:17:55 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	33413	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11756	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14485	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	27122	2.28	ug/l	100
3) Chloromethane	1.33	50	22392	1.99	ug/l	95
4) Vinyl Chloride	1.40	62	22716	2.18	ug/l	95
5) Bromomethane	1.63	94	12381	2.44	ug/l	95
6) Chloroethane	1.70	64	13116	2.10	ug/l	100
7) Trichlorofluoromethane	1.89	101	34468	2.27	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	18991	2.27	ug/l	98
9) 1,1-Dichloroethene	2.29	96	16346	2.22	ug/l	98
10) Iodomethane	2.41	142	22776	3.75	ug/l	93
11) Allyl Chloride	2.60	41	27232	2.21	ug/l	89
12) Acrylonitrile	2.94	53	7545	4.65	ug/l	98
13) Acetone	2.32	43	14894	10.55	ug/l	98
14) Carbon Disulfide	2.48	76	55038	2.18	ug/l	98
15) Methylene Chloride	2.70	84	19253	2.19	ug/l	94
16) trans-1,2-Dichloroethene	2.99	96	17980	2.18	ug/l	94
17) 1,1-Dichloroethane	3.45	63	34824	2.13	ug/l	100
18) 2-Butanone	4.28	43	25320	10.33	ug/l	97
19) Cyclohexane	5.00	56	24115	1.91	ug/l #	85
20) Methylcyclohexane	6.42	83	27408	1.77	ug/l	99
21) 2,2-Dichloropropane	4.23	77	35240	2.26	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	21804	2.10	ug/l	94
23) Diethyl Ether	2.10	59	11953	2.14	ug/l	97
24) tert-Butyl Alcohol	2.84	59	12806	19.54	ug/l #	77
25) Methyl tert-Butyl Ether	3.00	73	42828	2.15	ug/l	93
26) Bromochloromethane	4.55	128	9898	2.16	ug/l	85
27) Chloroform	4.68	83	39843	2.21	ug/l	99
28) 1,1,1-Trichloroethane	4.92	97	34903	2.15	ug/l	97
29) 1,1-Dichloropropene	5.14	75	27175	2.04	ug/l	98
30) Carbon Tetrachloride	5.14	117	32519	2.21	ug/l	97
31) Isopropyl Ether	3.58	45	56334	2.15	ug/l	90
32) Ethyl-t-butyl ether	4.08	59	47158	1.89	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	40255	1.83	ug/l	99
34) Propionitrile	4.33	54	7507	11.02	ug/l #	91
35) Benzene	5.39	78	79857	2.15	ug/l	100
36) 1,2-Dichloroethane	5.41	62	24733	2.16	ug/l	99
37) Trichloroethene	6.19	130	22428	2.05	ug/l	94
38) 1,2-Dichloropropane	6.44	63	20810	2.15	ug/l	99
39) Methacrylonitrile	4.55	41	6142	1.96	ug/l	91
40) Methyl acrylate	4.44	55	9613	2.03	ug/l #	97
41) Tetrahydrofuran	4.65	42	6751	3.64	ug/l	95
42) 1-Chlorobutane	5.07	56	35518	1.96	ug/l	94

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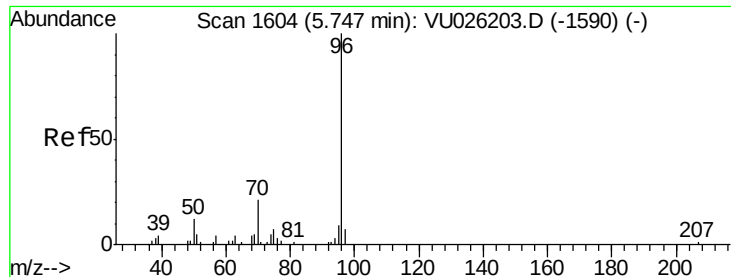
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	10883	2.16	ug/l	97
44) Bromodichloromethane	6.76	83	28674	2.24	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	55158	9.81	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	9879m	5.32	ug/l	
47) Methyl methacrylate	6.63	69	16432	3.90	ug/l	97
48) Ethyl methacrylate	8.02	69	14500	1.71	ug/l	100
49) Toluene	7.64	92	45111	1.98	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	23760	2.06	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	26505	1.92	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	14696	2.17	ug/l	93
53) 1,3-Dichloropropane	8.25	76	24919	2.18	ug/l	99
54) 2-Hexanone	8.37	43	38272	9.64	ug/l	95
55) Dibromochloromethane	8.48	129	20584	2.39	ug/l	97
56) 1,2-Dibromoethane	8.59	107	14360	2.20	ug/l	99
58) Tetrachloroethene	8.23	164	21688	2.20	ug/l	93
59) Chlorobenzene	9.12	112	52281	2.00	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	20793	2.14	ug/l	96
61) Pentachloroethane	11.10	117	18398	2.48	ug/l	92
62) Hexachloroethane	12.15	117	18185	2.40	ug/l	90
63) Ethyl Benzene	9.25	91	77333	1.78	ug/l	99
64) m/p-Xylenes	9.38	106	63485	3.71	ug/l	99
65) o-Xylene	9.78	106	30840	1.89	ug/l	95
66) Styrene	9.80	104	52077	1.88	ug/l	99
67) Bromoform	9.96	173	11502	2.27	ug/l #	94
69) Isopropylbenzene	10.17	105	78835	1.79	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	19007	2.24	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	12368m	1.87	ug/l	
72) Bromobenzene	10.45	156	23400	2.05	ug/l	97
73) n-propylbenzene	10.59	120	23254	1.87	ug/l	95
74) 2-Chlorotoluene	10.66	126	22335	2.04	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	71311	1.85	ug/l	99
76) 4-Chlorotoluene	10.78	126	22749	1.98	ug/l	96
77) tert-Butylbenzene	11.10	119	71325	1.88	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	74411	1.90	ug/l	99
79) sec-Butylbenzene	11.33	105	95399	1.91	ug/l	100
80) Nitrobenzene	12.86	77	3860	14.93	ug/l #	94
81) p-Isopropyltoluene	11.48	119	79505	1.88	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	49532	2.11	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	48802	2.13	ug/l	98
84) n-Butylbenzene	11.89	91	77261	1.95	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	45288	2.11	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3239	2.31	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	30927	2.07	ug/l	96
88) Hexachlorobutadiene	13.70	225	19108	2.08	ug/l	97
89) Naphthalene	13.74	128	45210	1.86	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	28399	2.08	ug/l	100

(#) = 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: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

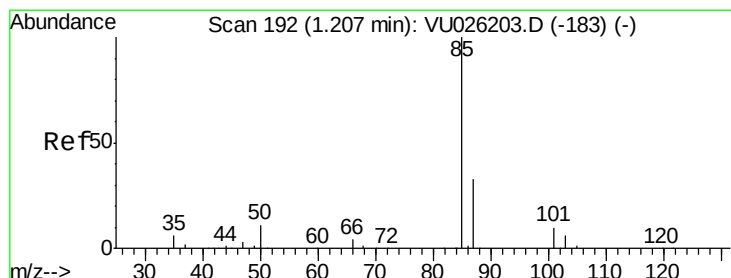
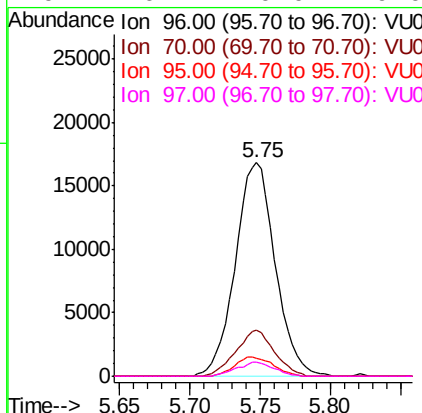
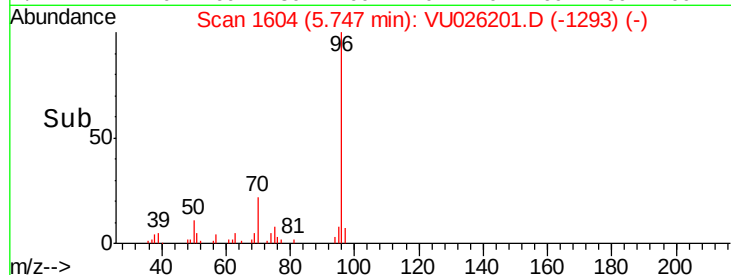
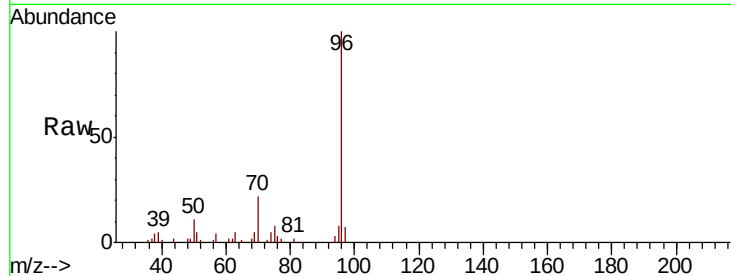
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	33413
Ion	Ratio	Lower	Upper
96	100		
70	20.7	16.2	24.4
95	8.8	6.9	10.3
97	6.1	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.28 ug/l

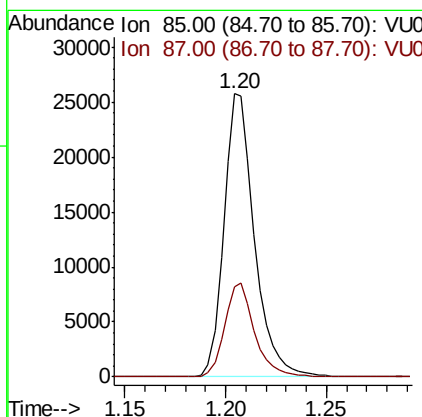
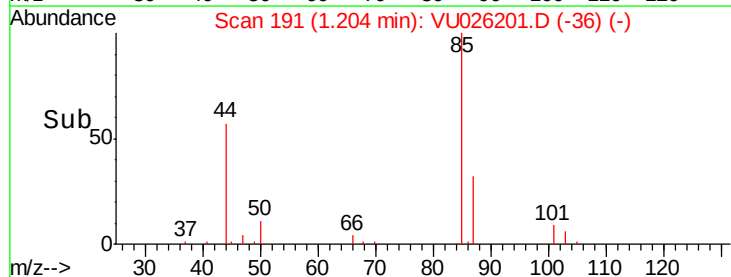
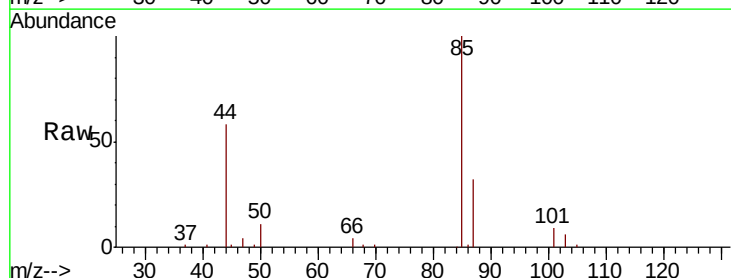
RT: 1.20 min Scan# 191

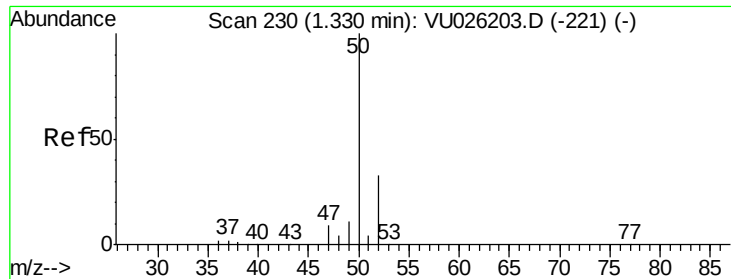
Delta R.T. -0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tgt Ion:	85	Resp:	27122
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.5





#3

Chloromethane

Concen: 1.99 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 22392

Ion Ratio Lower Upper

50 100

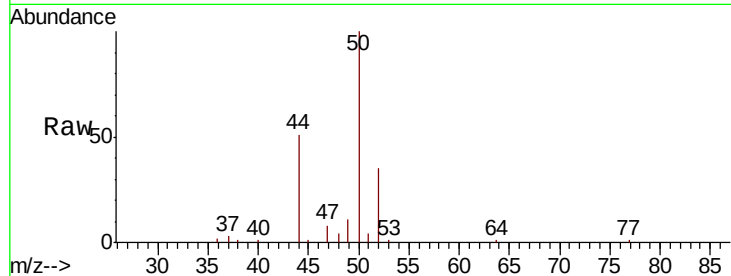
52 35.1 26.0 39.0

Manual Integrations

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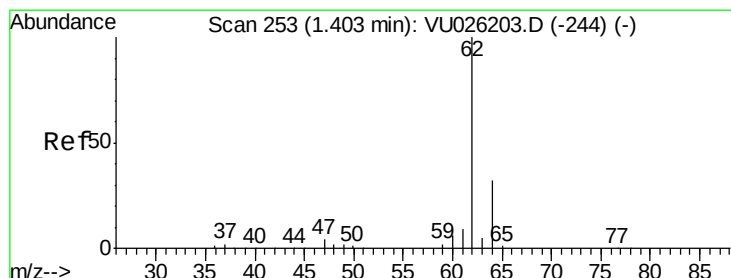
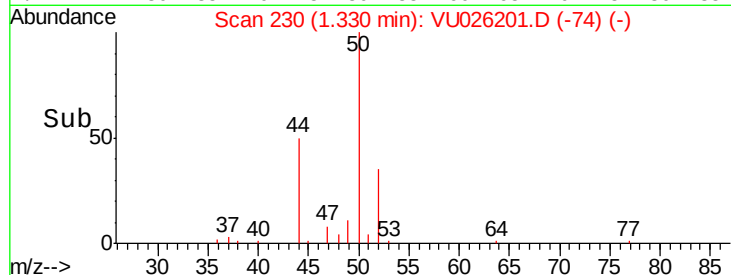
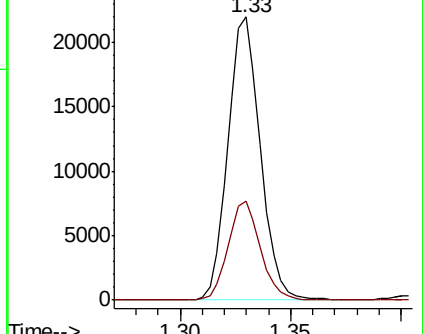
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 2.18 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026201.D

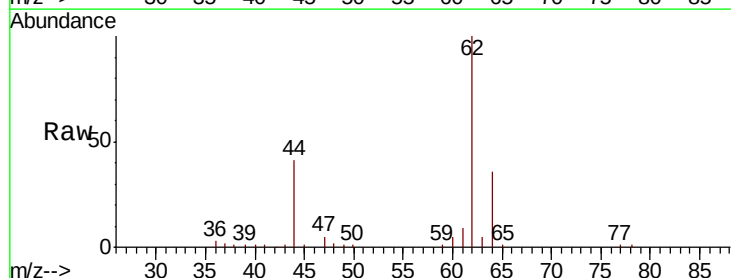
Acq: 20 Aug 2018 12:00

Tgt Ion: 62 Resp: 22716

Ion Ratio Lower Upper

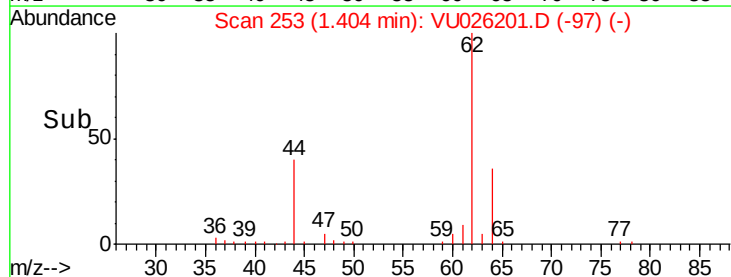
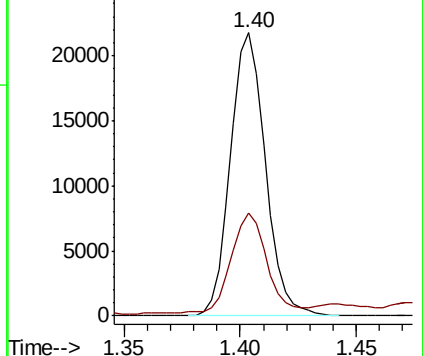
62 100

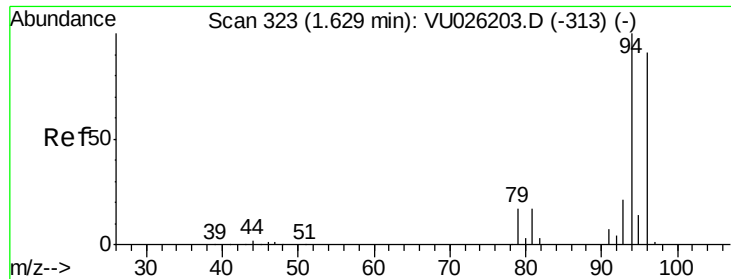
64 34.9 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.44 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 12381

Ion Ratio Lower Upper

94 100

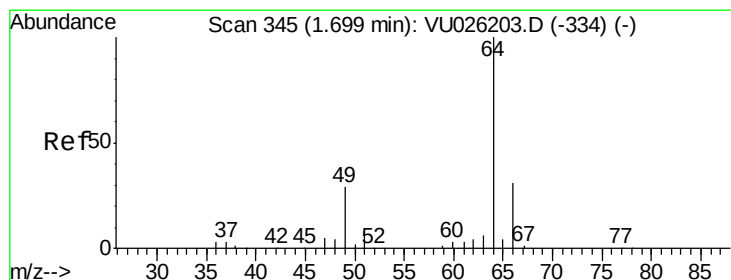
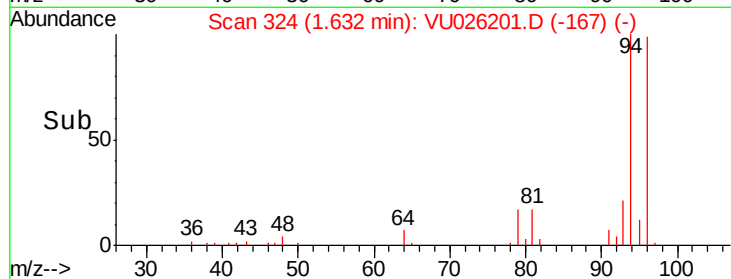
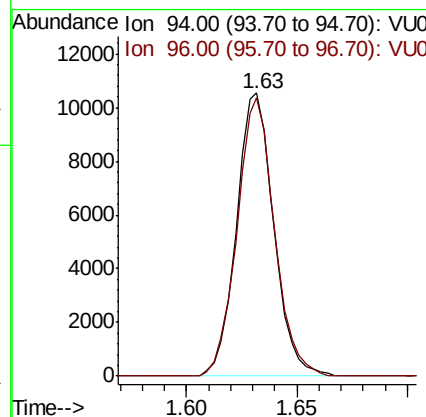
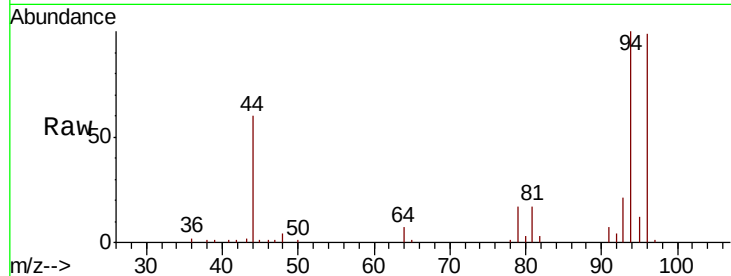
96 98.5 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 2.10 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026201.D

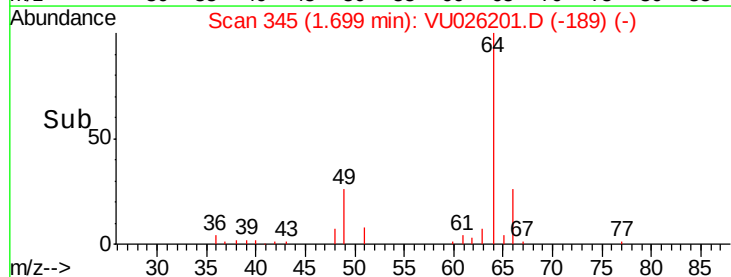
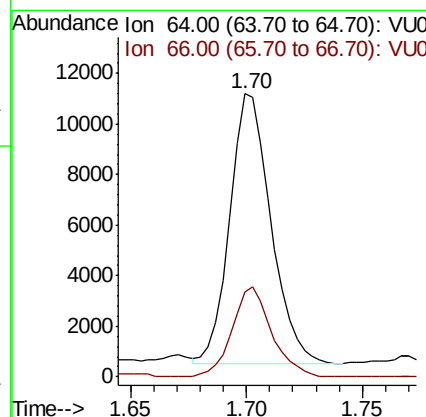
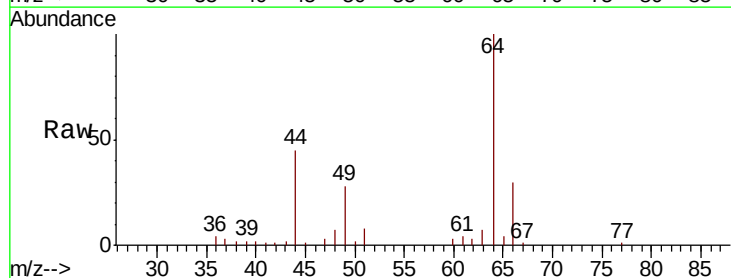
Acq: 20 Aug 2018 12:00

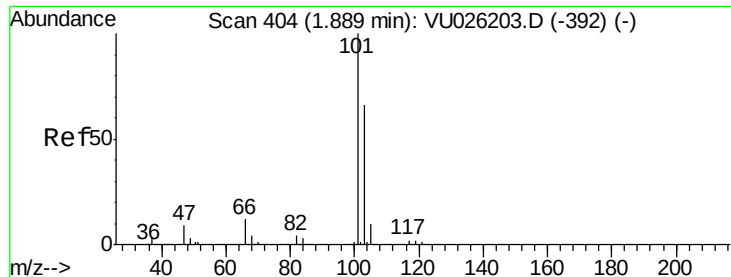
Tgt Ion: 64 Resp: 13116

Ion Ratio Lower Upper

64 100

66 31.4 24.9 37.3





#7

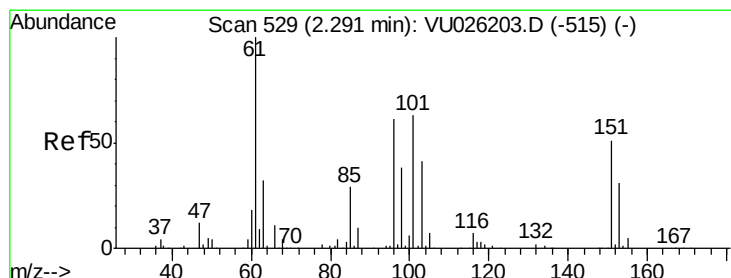
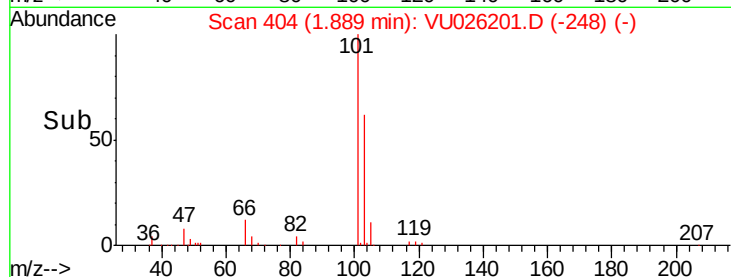
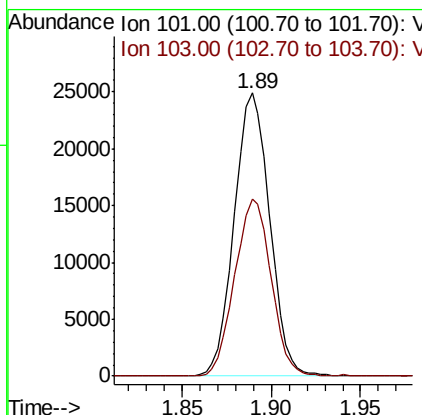
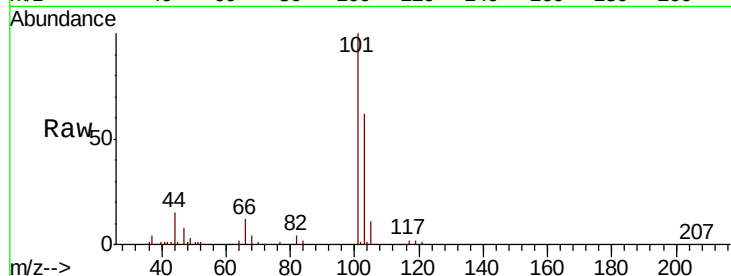
Trichlorofluoromethane
Concen: 2.27 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.4	77.0

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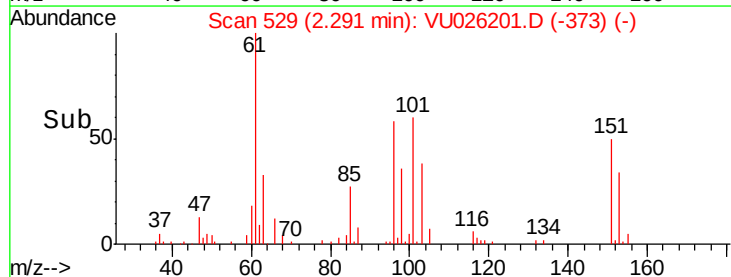
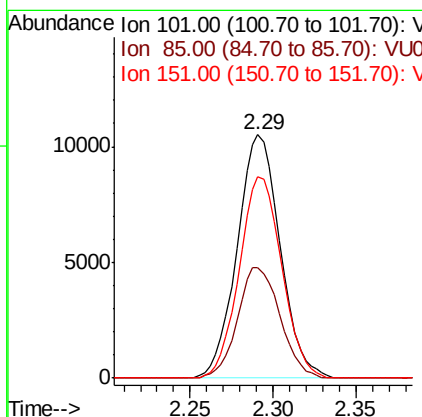
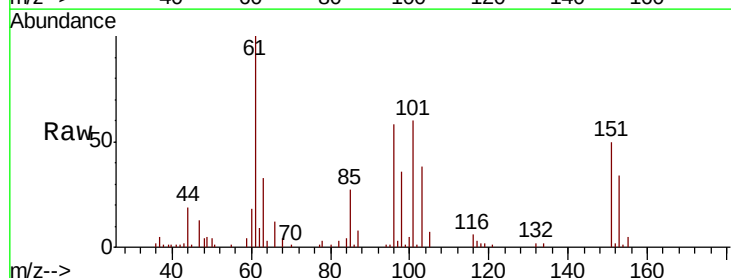
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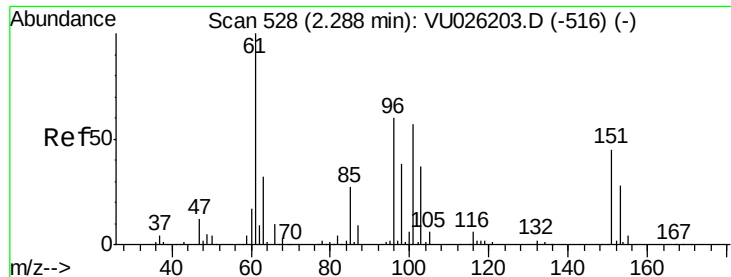


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.27 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.8	35.2	52.8
151	81.7	63.5	95.3





#9

1,1-Dichloroethene

Concen: 2.22 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

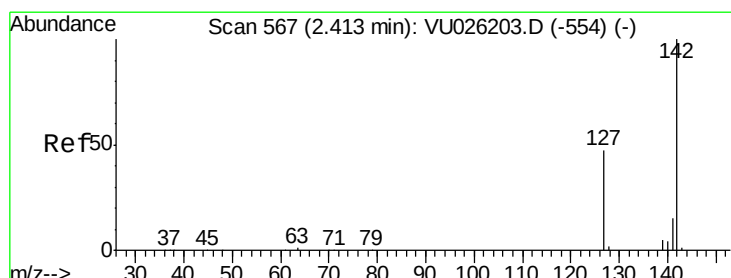
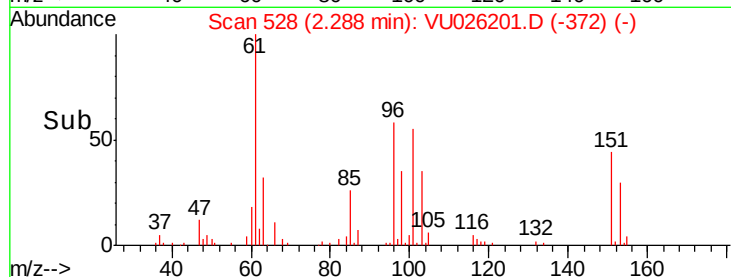
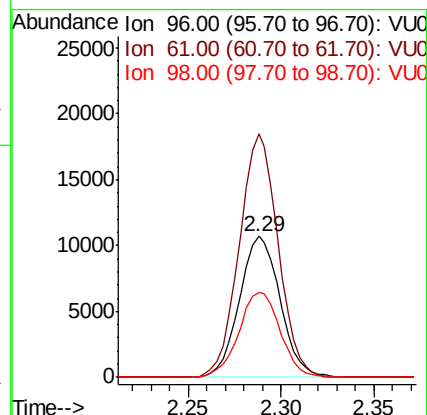
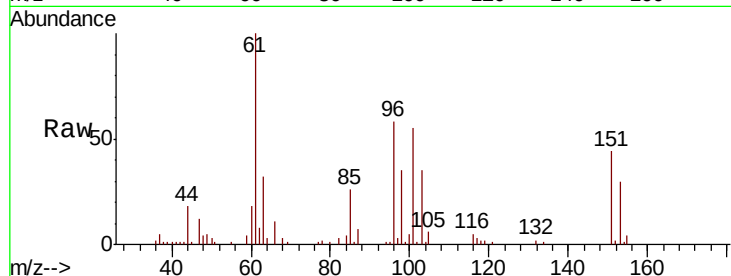
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	16346
Ion	Ratio	Lower	Upper
96	100		
61	173.0	0.0	526.5
98	60.4	0.0	123.4

Manual Integrations
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8/21/2018 11:34:24 AM



#10

Iodomethane

Concen: 3.75 ug/l

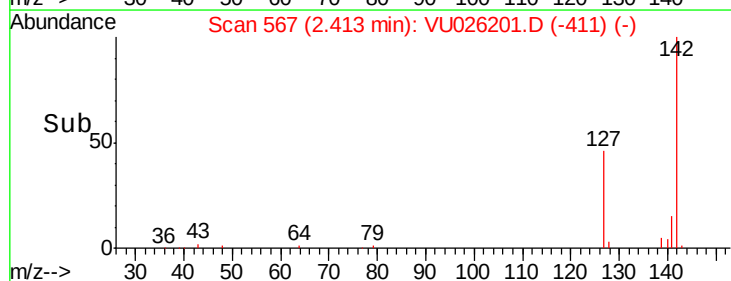
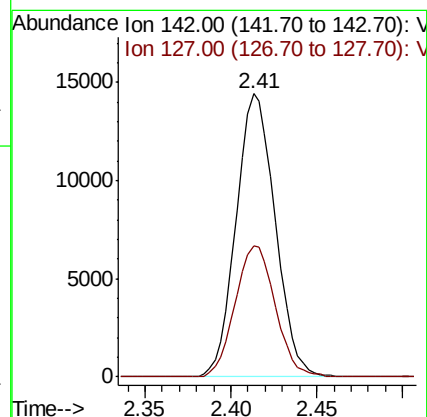
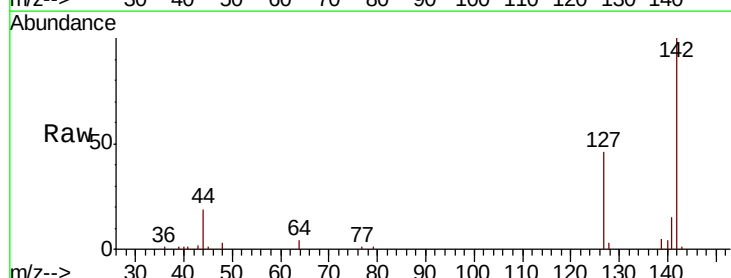
RT: 2.41 min Scan# 567

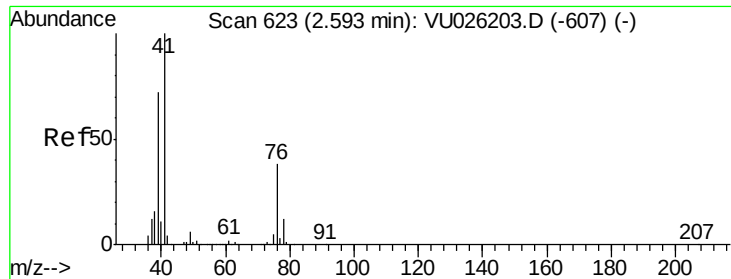
Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tgt Ion:	142	Resp:	22776
Ion	Ratio	Lower	Upper
142	100		
127	47.4	34.5	51.7





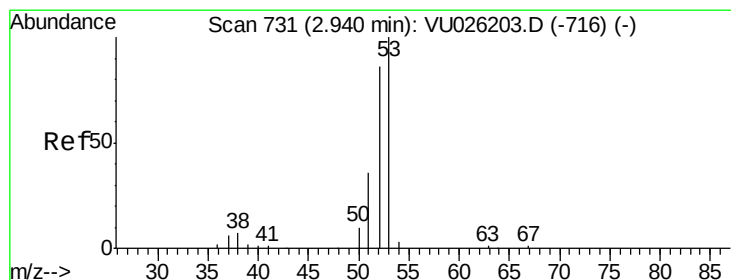
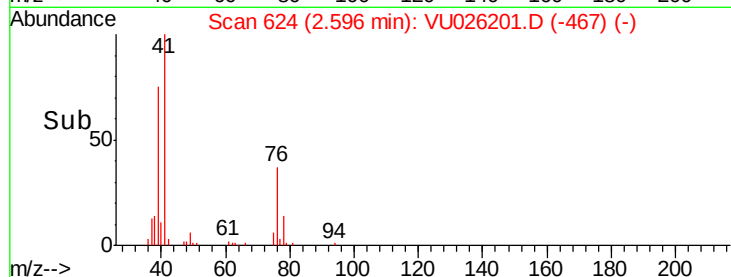
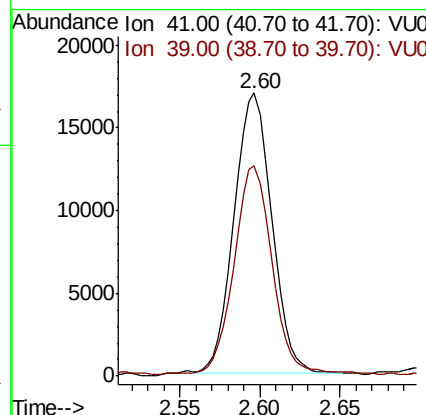
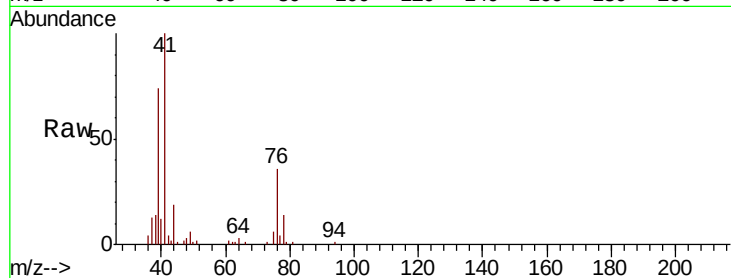
#11
Allvl Chloride
Concen: 2.21 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.2	51.4	77.2

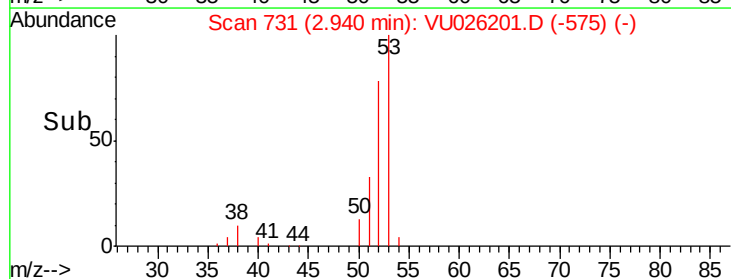
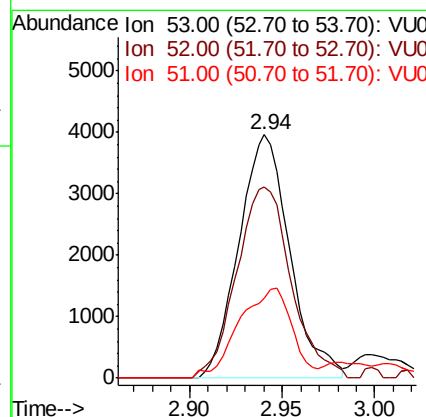
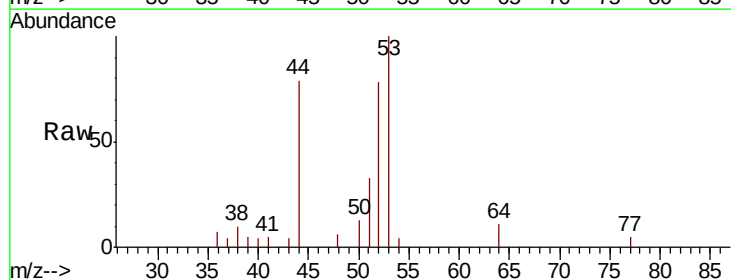
Manual Integrations
APPROVED

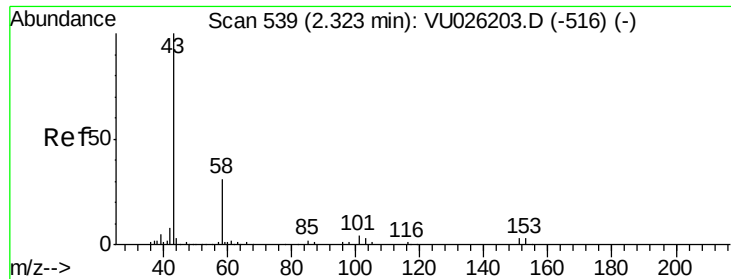
MMDadoda
8/21/2018 11:34:24 AM



#12
Acrylonitrile
Concen: 4.65 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.1	97.7
51	38.5	30.2	45.4





#13

Acetone

Concen: 10.55 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tot Ion: 43 Resp: 14894

Ion Ratio Lower Upper

43 100

58 33.7 26.0 39.0

Instrument :

MSVOA_U

ClientSampleId :

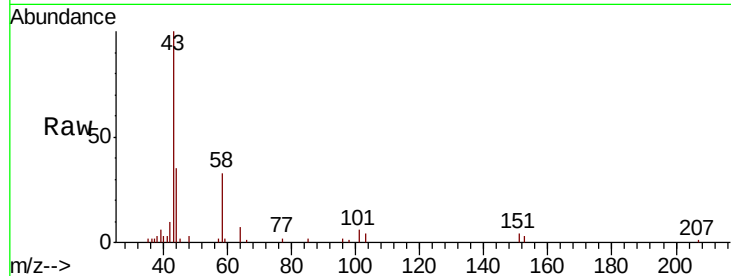
VSTDIC002

Manual Integrations

APPROVED

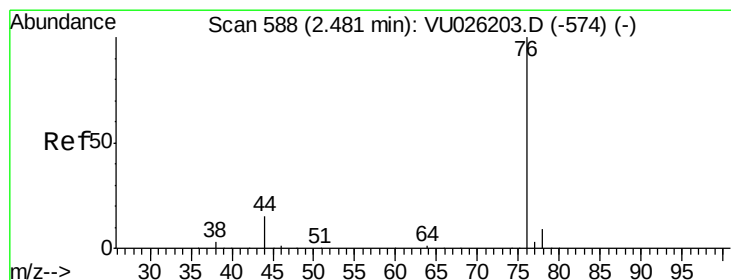
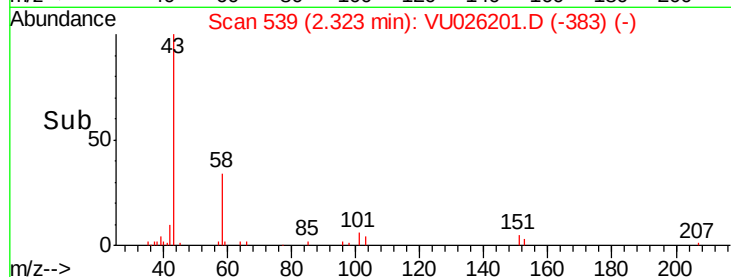
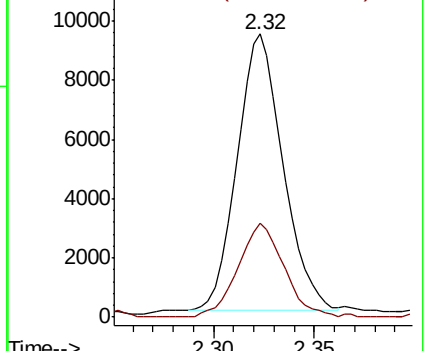
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 2.18 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026201.D

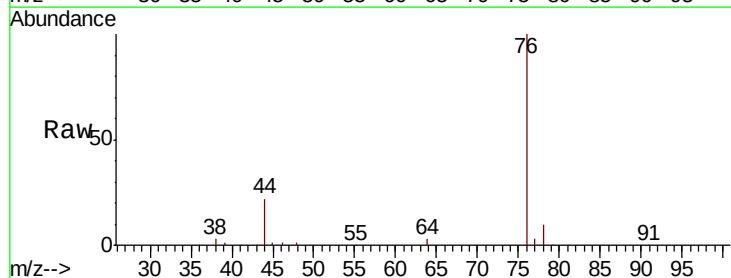
Acq: 20 Aug 2018 12:00

Tgt Ion: 76 Resp: 55038

Ion Ratio Lower Upper

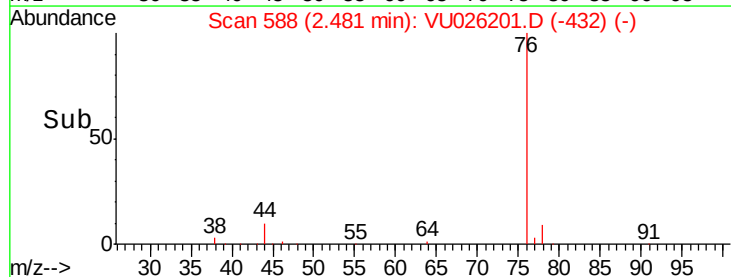
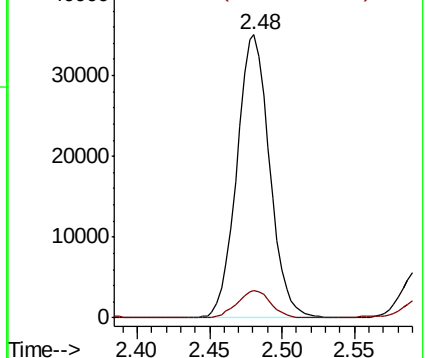
76 100

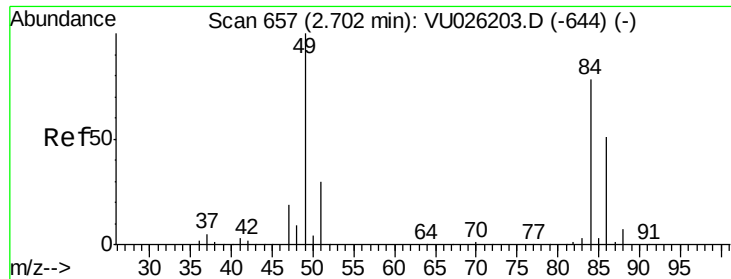
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





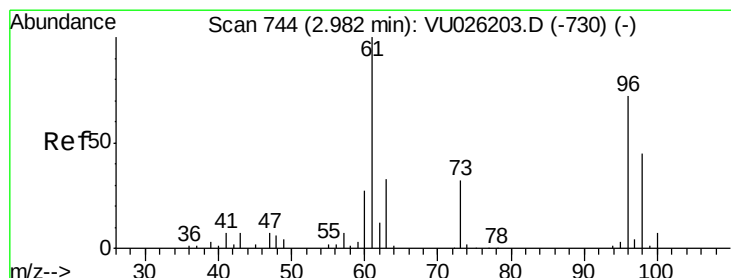
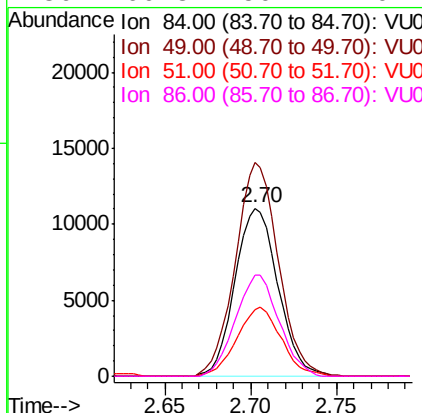
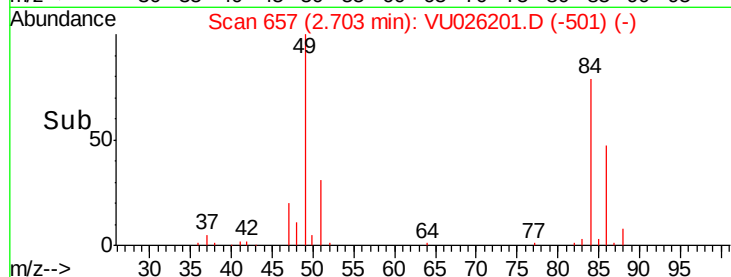
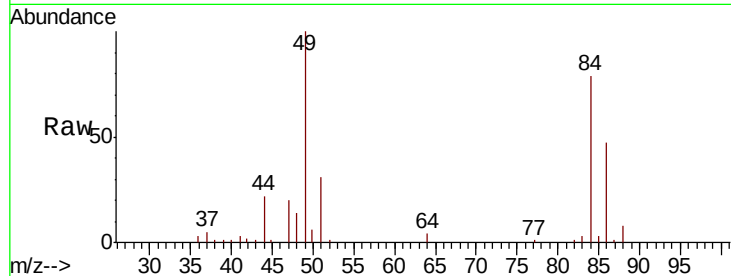
#15
Methylene Chloride
Concen: 2.19 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	84	Resp:	19253
Ion	Ratio	Lower	Upper
84	100		
49	127.1	108.7	163.1
51	39.8	0.0	82.4
86	60.3	50.7	76.1

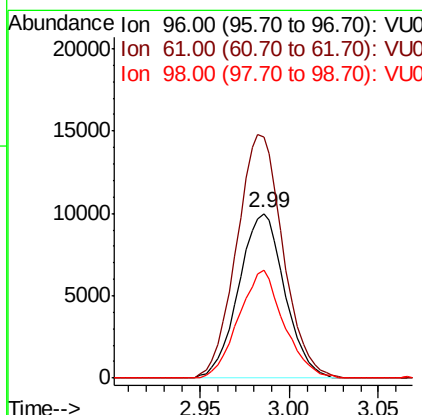
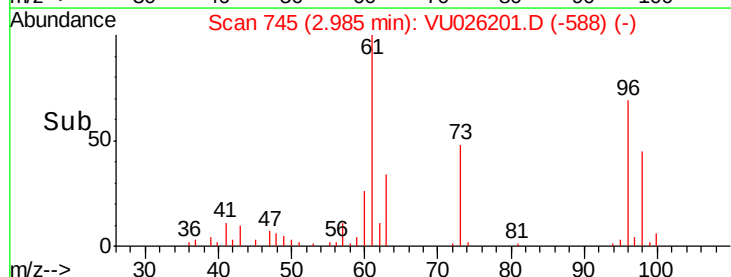
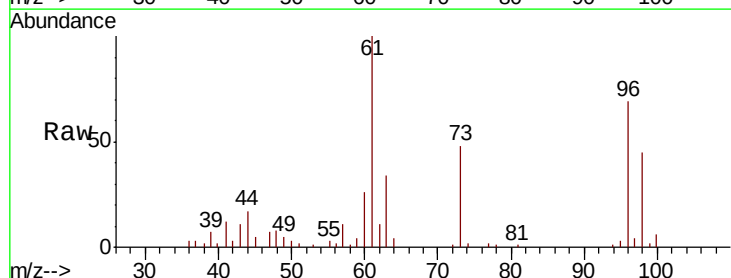
Manual Integrations
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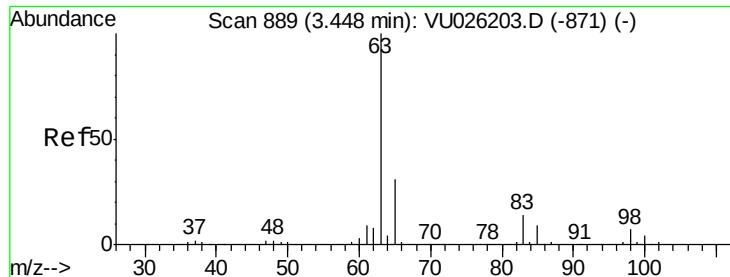
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 2.18 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion:	96	Resp:	17980
Ion	Ratio	Lower	Upper
96	100		
61	145.8	123.9	185.9
98	65.8	50.6	76.0





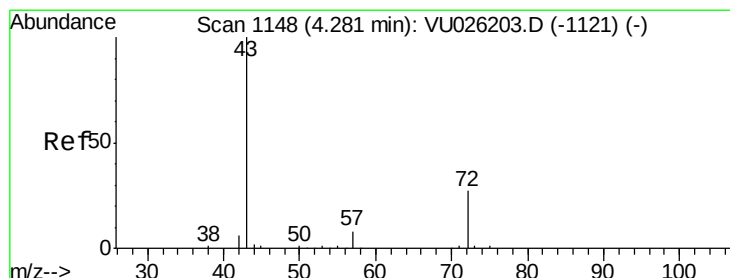
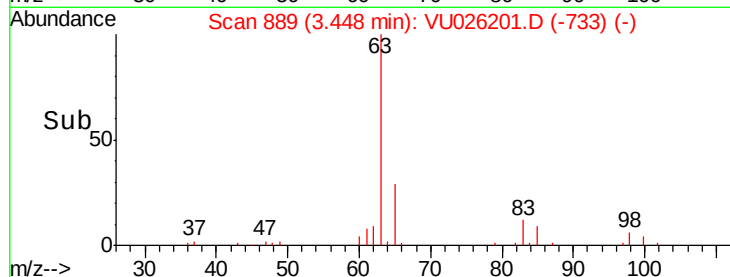
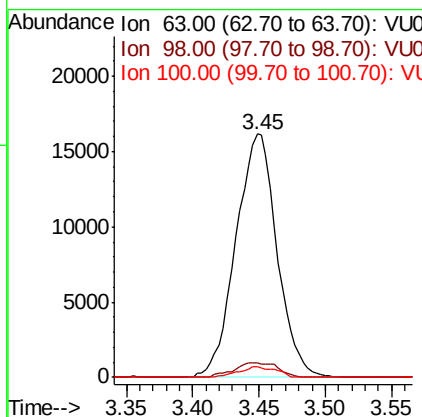
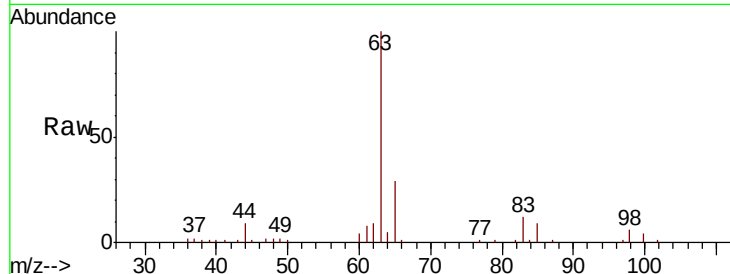
#17
 1,1-Dichloroethane
 Concen: 2.13 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.9	2.9	8.8
100	4.3	2.0	5.8

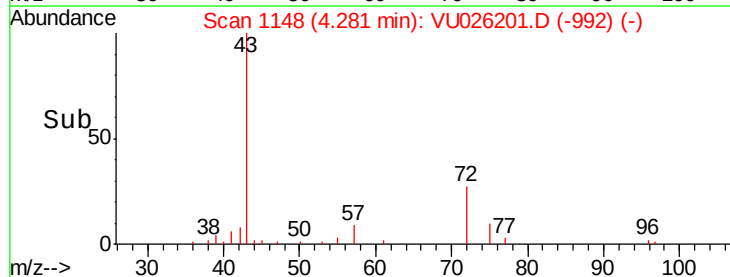
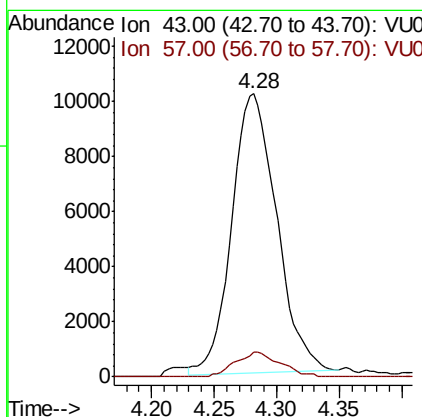
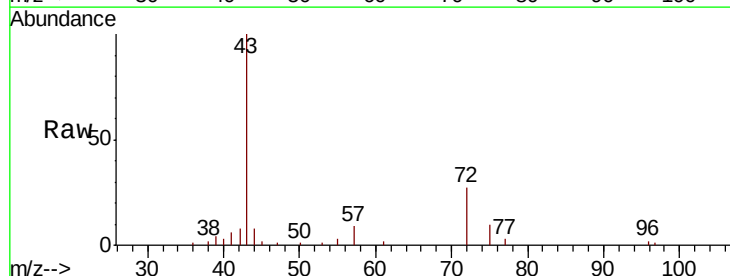
Manual Integrations
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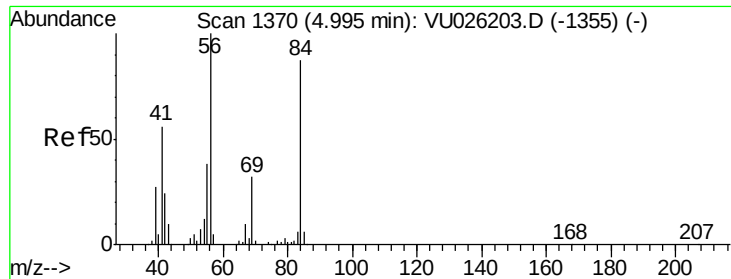
MMDadoda
 8/21/2018 11:34:24 AM



#18
 2-Butanone
 Concen: 10.33 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	0.0	15.8





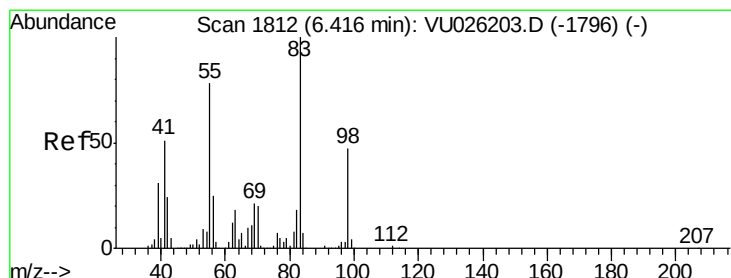
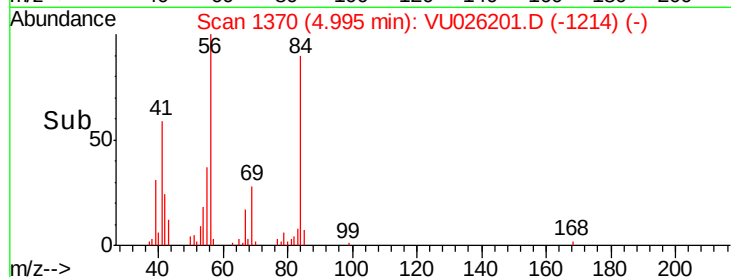
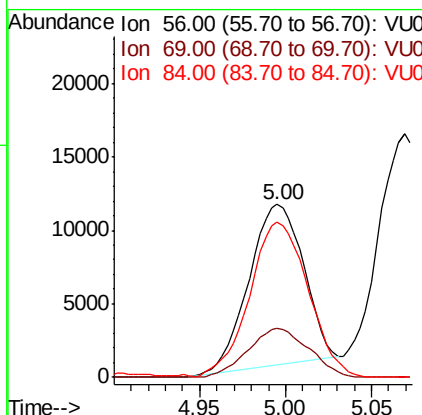
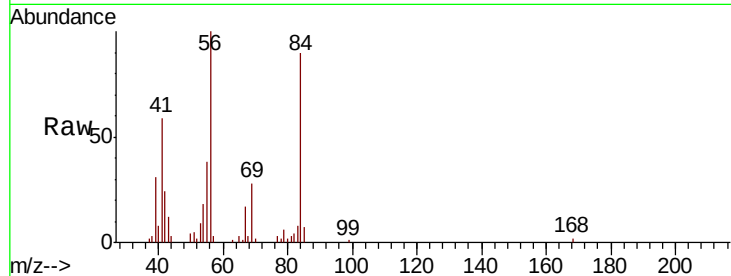
#19
Cyclohexane
Concen: 1.91 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.0	39.0
84	103.6	68.3	102.5

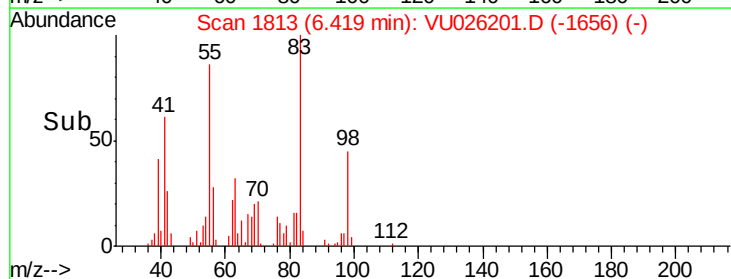
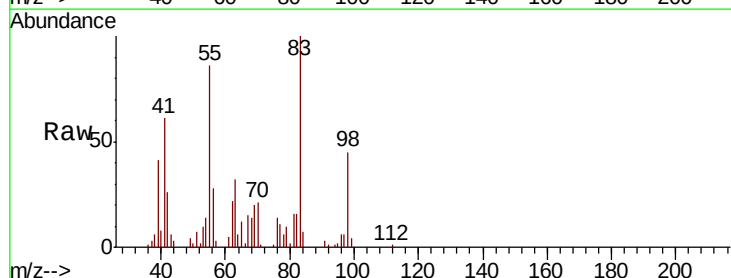
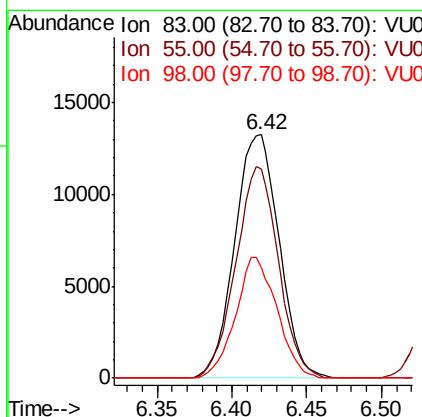
Manual Integrations
APPROVED

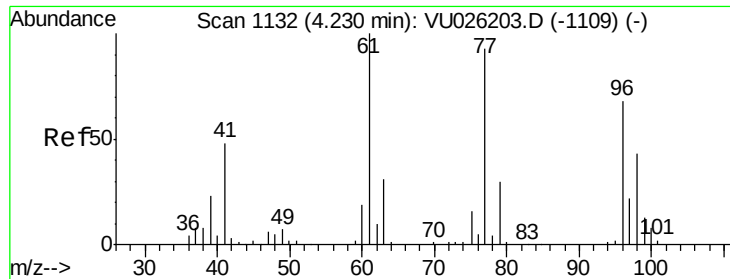
MMDadoda
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#20
Methylcyclohexane
Concen: 1.77 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	46.2	35.4	53.2





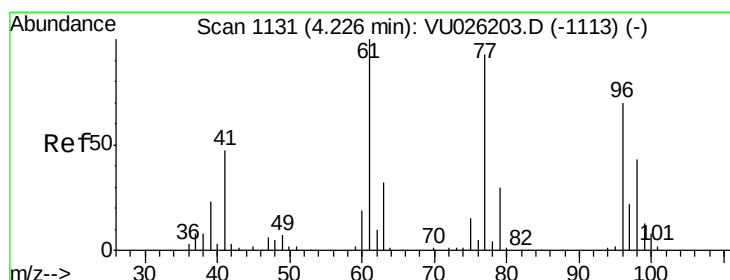
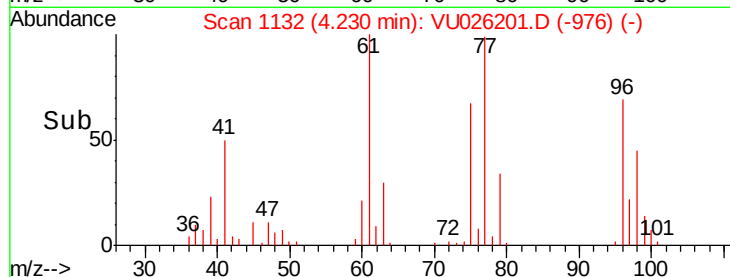
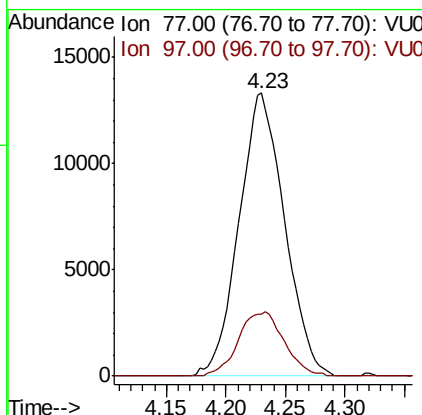
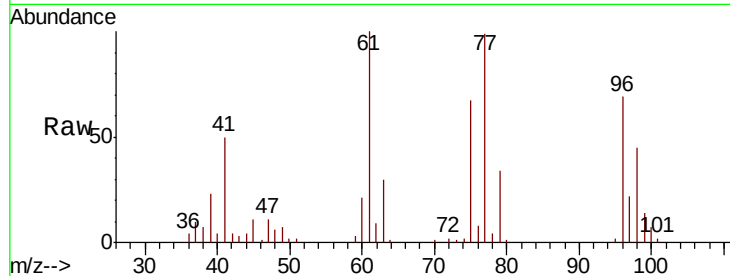
#21
 2,2-Dichloropropane
 Concen: 2.26 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 77 Resp: 35240
 Ion Ratio Lower Upper
 77 100
 97 22.9 17.9 26.9

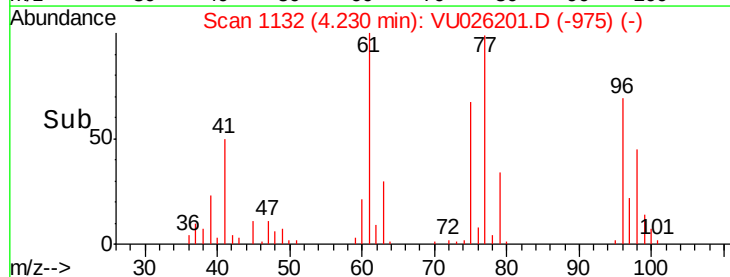
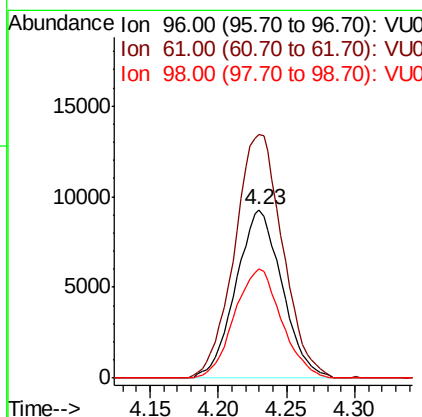
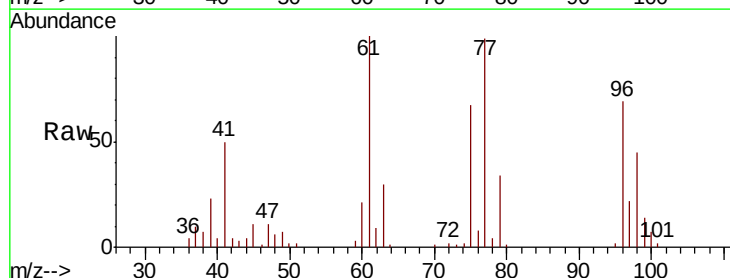
Manual Integrations
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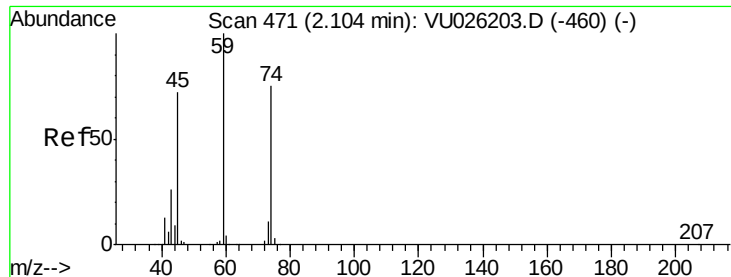
MMDadoda
 8/21/2018 11:34:24 AM



#22
 cis-1,2-Dichloroethene
 Concen: 2.10 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion: 96 Resp: 21804
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 400.5
 98 66.0 32.2 96.6





#23

Diethyl Ether

Concen: 2.14 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

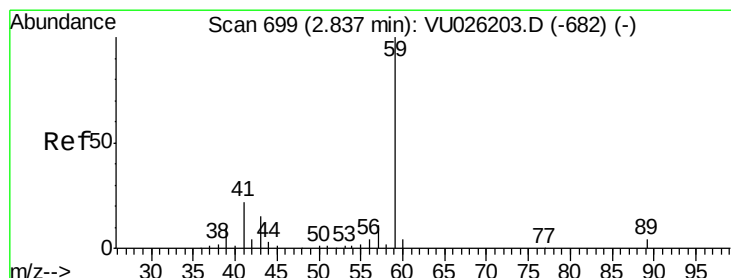
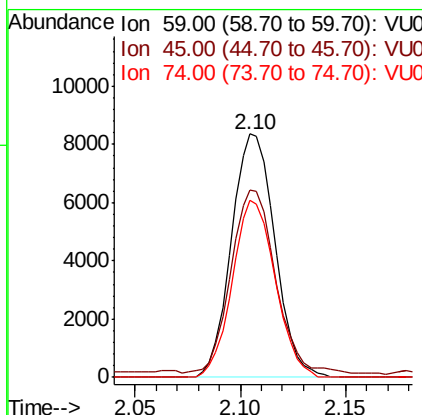
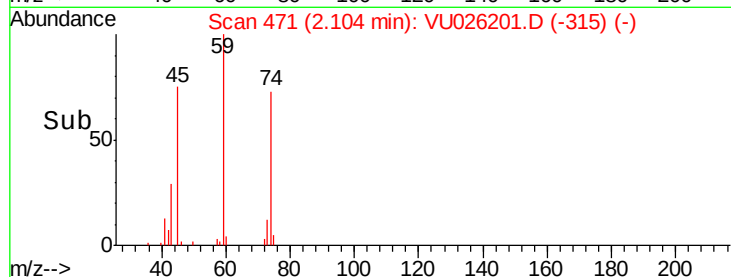
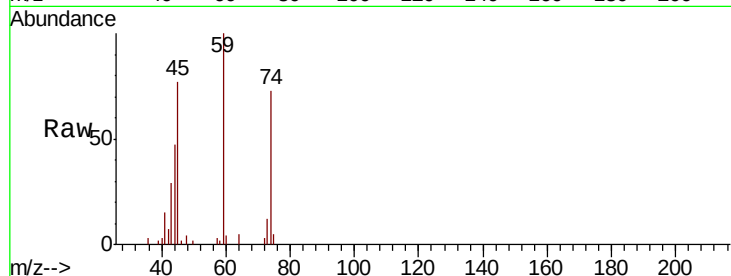
ClientSampleId :

VSTDIC002

Tot Ion:	59	Resp:	11953
Ion	Ratio	Lower	Upper
59	100		
45	78.2	60.0	90.0
74	71.6	56.5	84.7

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 19.54 ug/l

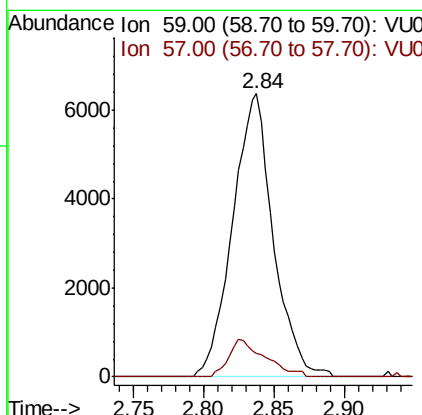
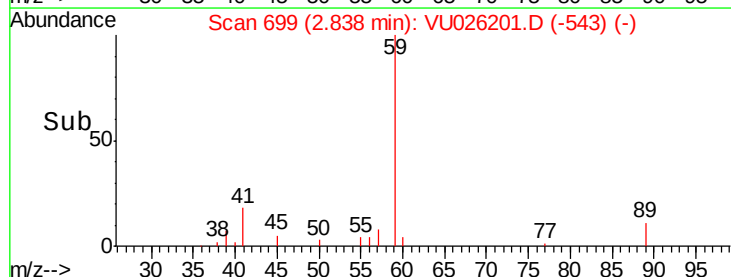
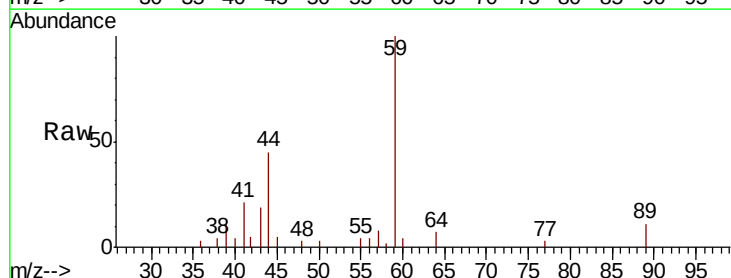
RT: 2.84 min Scan# 699

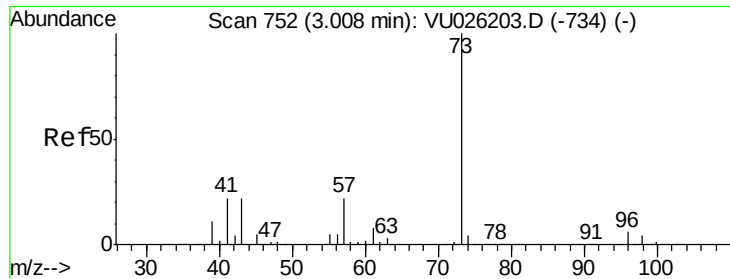
Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tgt Ion:	59	Resp:	12806
Ion	Ratio	Lower	Upper
59	100		
57	11.9	3.4	5.2#





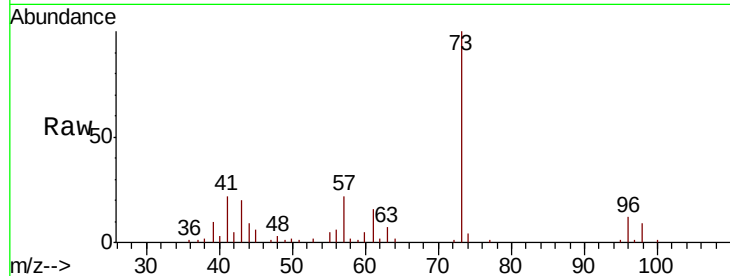
#25
Methvl tert-Butvl Ether
Concen: 2.15 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

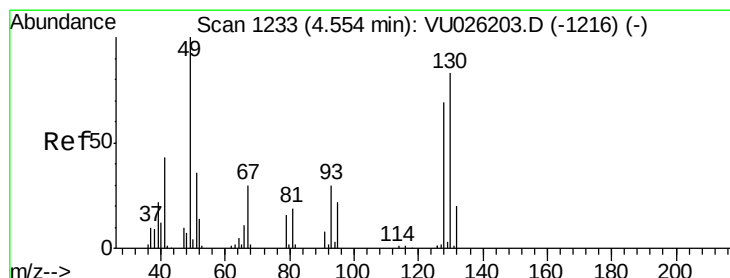
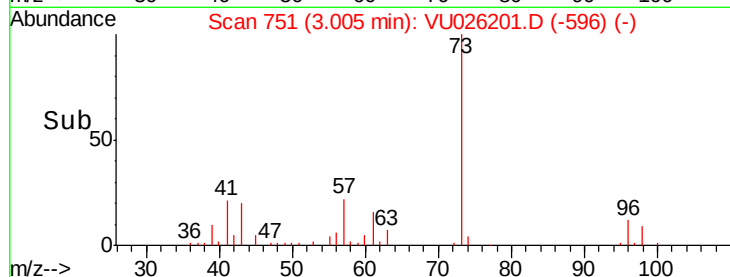
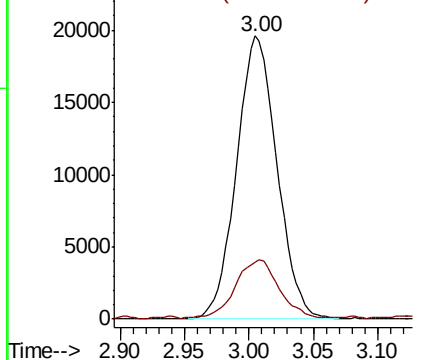
Tot Ion: 73 Resp: 42828
Ion Ratio Lower Upper
73 100
43 23.3 16.2 24.2

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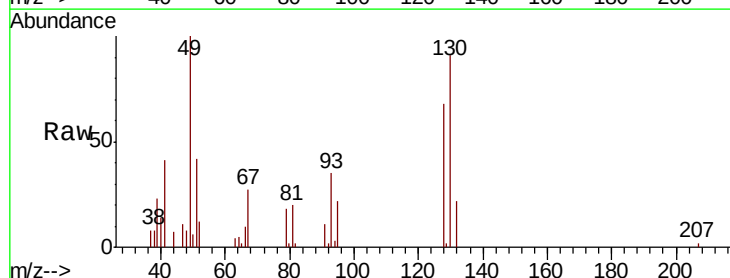


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0

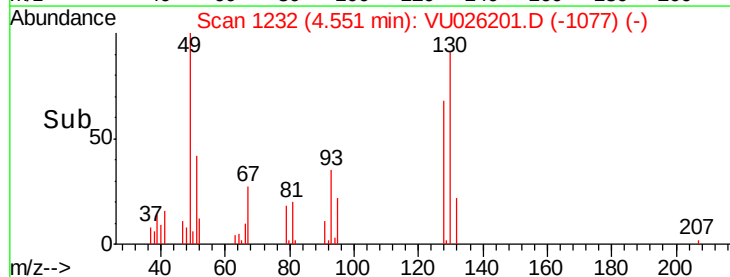
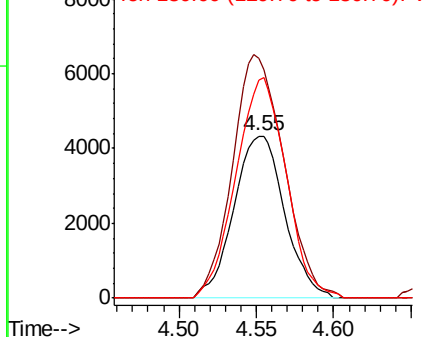


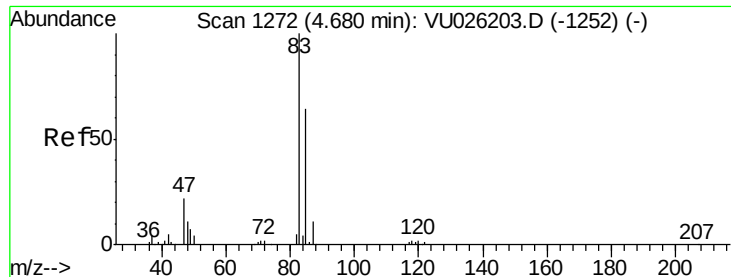
#26
Bromochloromethane
Concen: 2.16 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion: 128 Resp: 9898
Ion Ratio Lower Upper
128 100
49 151.9 0.0 375.2
130 134.5 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V





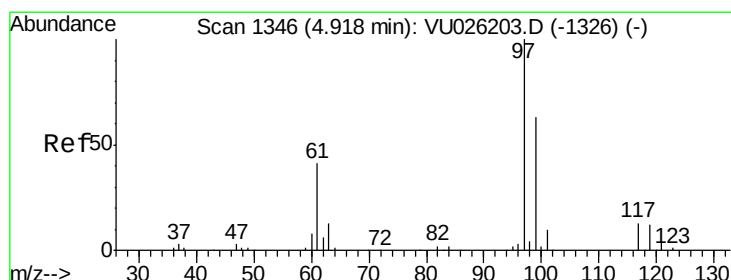
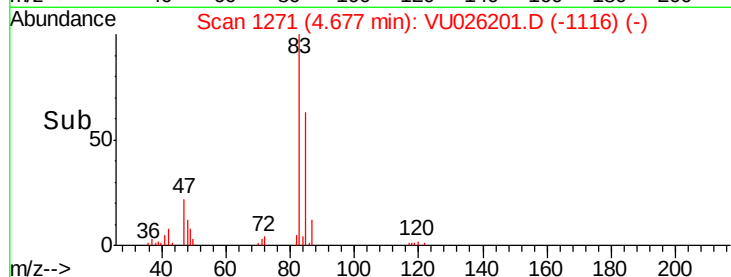
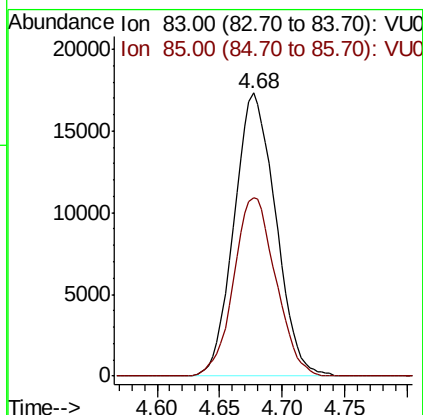
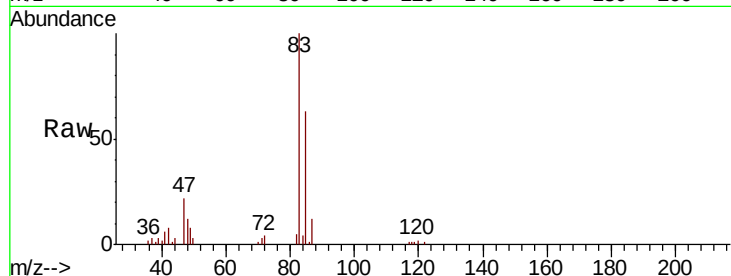
#27
Chloroform
Concen: 2.21 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	39843
Ion Ratio	100	Lower	Upper
85	63.2	0.0	128.4

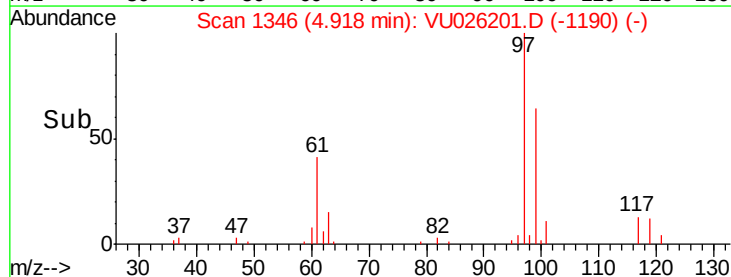
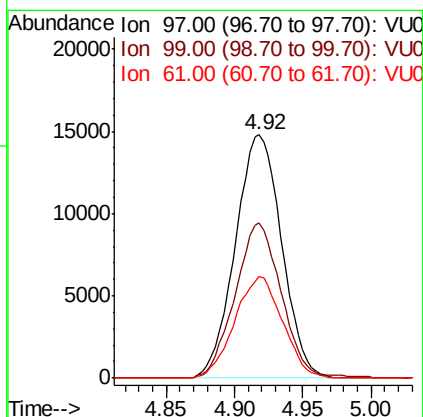
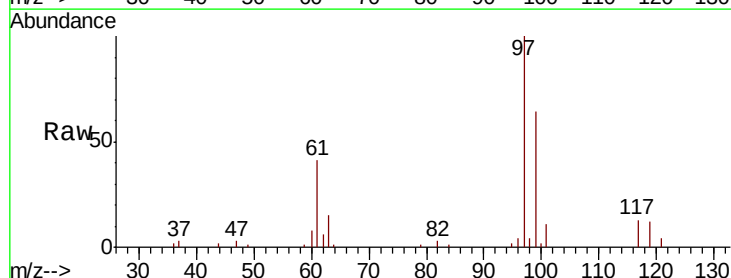
Manual Integrations
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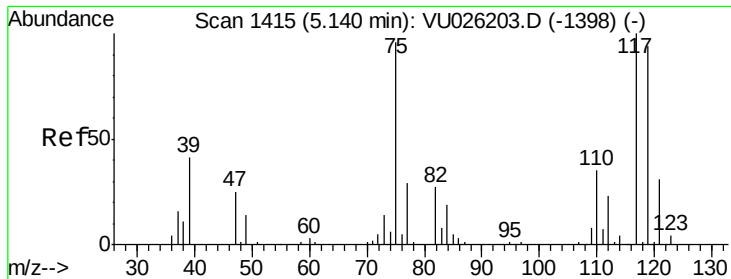
MMDadoda
8/21/2018 11:34:24 AM



#28
1,1,1-Trichloroethane
Concen: 2.15 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	97	Resp	34903
Ion Ratio	100	Lower	Upper
99	63.1	32.3	96.9
61	43.0	23.2	69.5





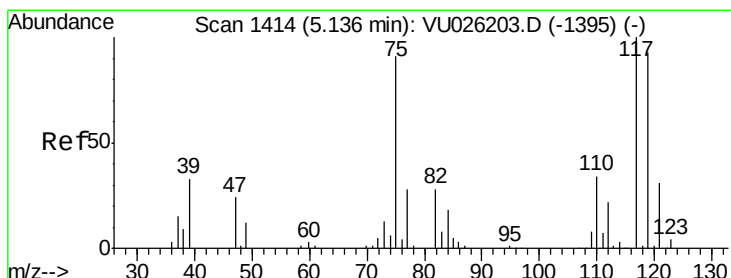
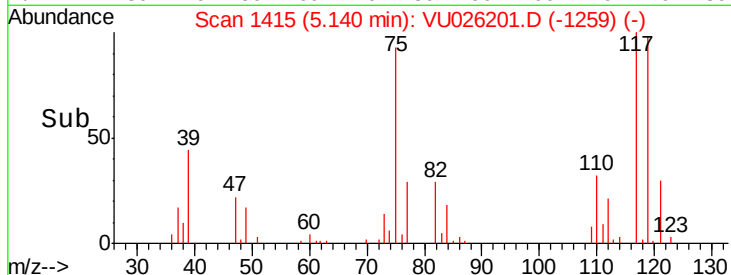
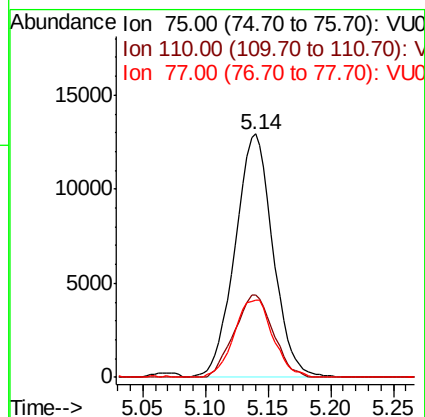
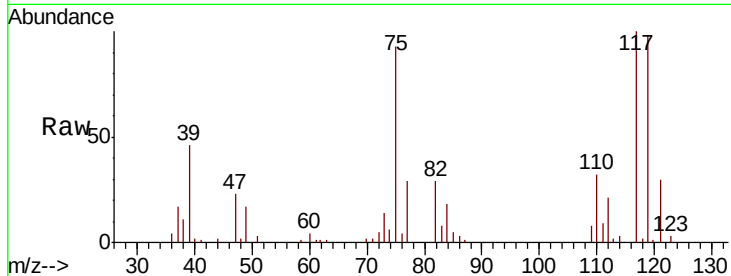
#29
 1,1-Dichloropropene
 Concen: 2.04 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	32.7	24.8	37.2

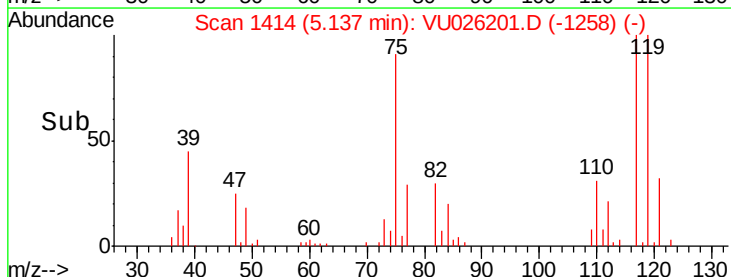
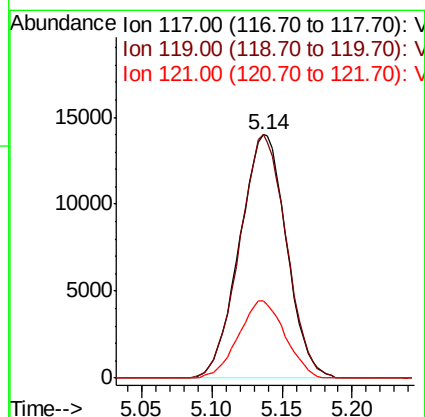
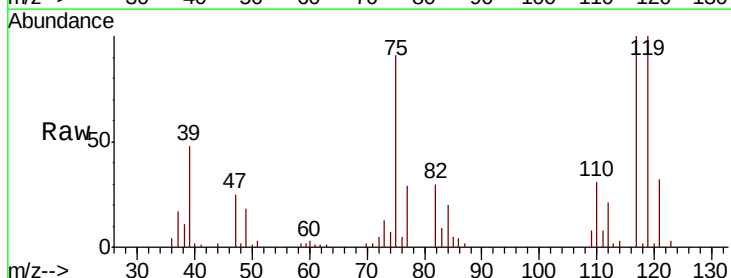
Manual Integrations
 APPROVED

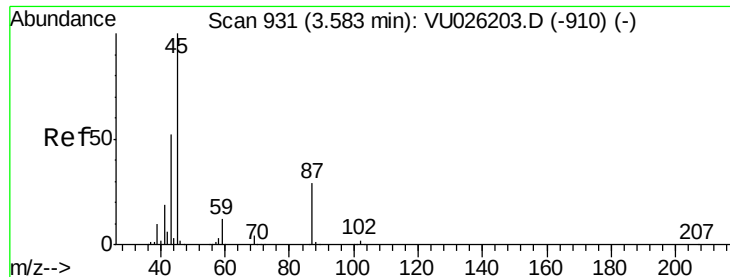
MMDadoda
 8/21/2018 11:34:24 AM



#30
 Carbon Tetrachloride
 Concen: 2.21 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	77.3	115.9
121	31.6	24.5	36.7





#31

Isopropyl Ether

Concen: 2.15 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 56334

Ion Ratio Lower Upper

45 100

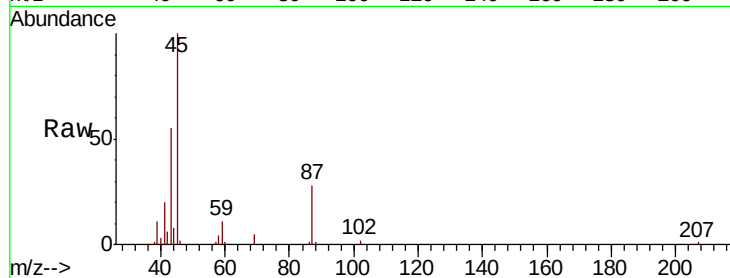
43 54.8 24.0 72.0

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU026201.D (-930) (-)

Ion 43.00 (42.70 to 43.70): VU026201.D (-930) (-)

3.58

25000

20000

15000

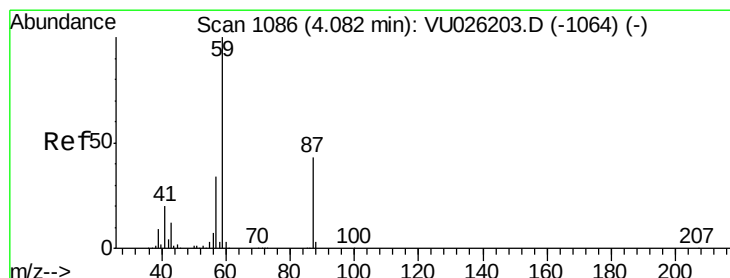
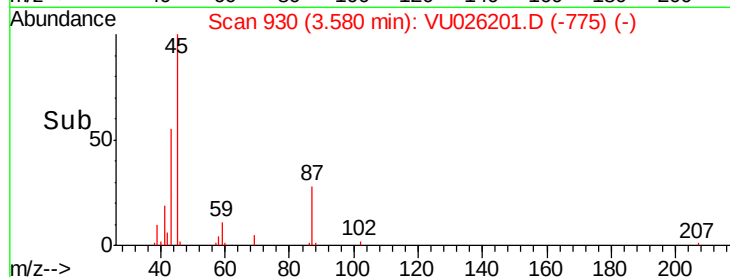
10000

5000

0

Time-->

3.50 3.60 3.70



#32

Ethyl-t-butyl ether

Concen: 1.89 ug/l

RT: 4.08 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VU026201.D

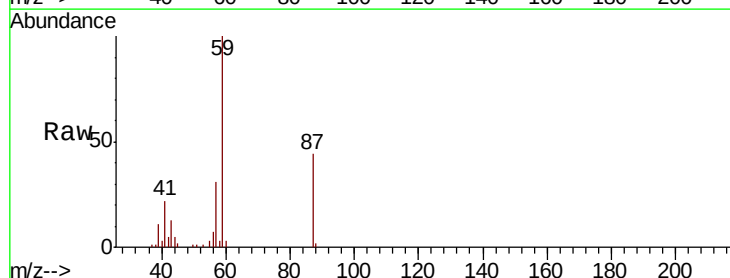
Acq: 20 Aug 2018 12:00

Tgt Ion: 59 Resp: 47158

Ion Ratio Lower Upper

59 100

87 43.0 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026201.D (-930) (-)

Ion 87.00 (86.70 to 87.70): VU026201.D (-930) (-)

4.08

20000

15000

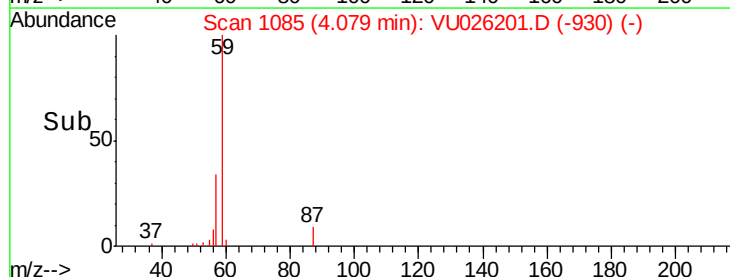
10000

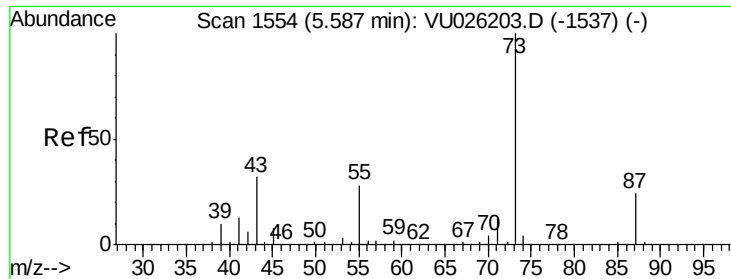
5000

0

Time-->

4.00 4.05 4.10 4.15





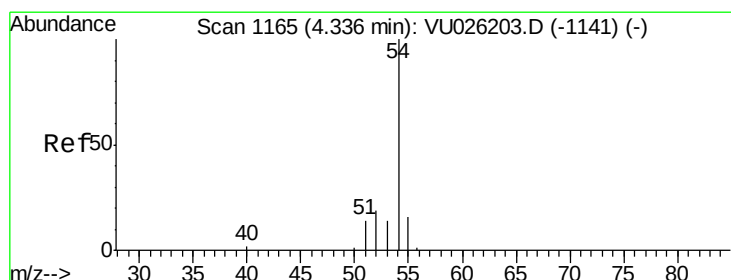
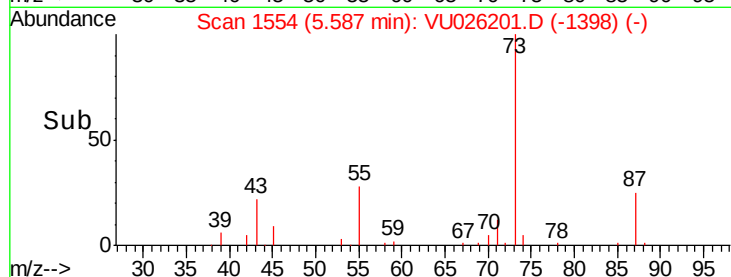
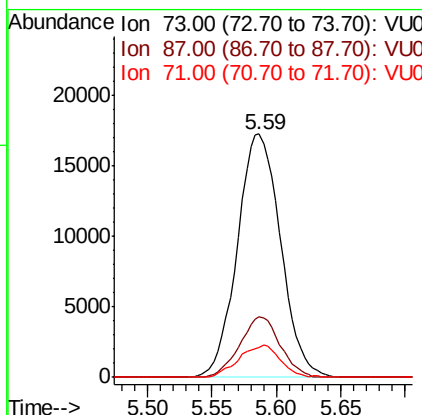
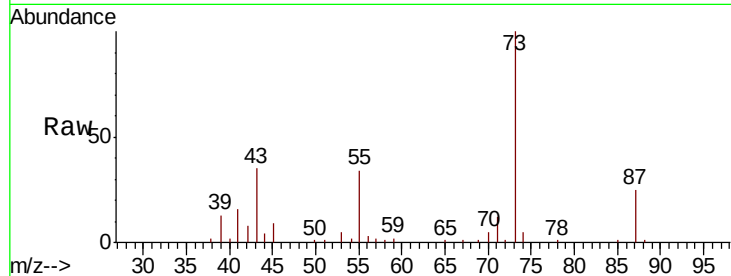
#33
Tert-Butyl methyl ether
Concen: 1.83 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	73	Resp:	40255
Ion	Ratio	Lower	Upper
73	100		
87	23.1	18.6	28.0
71	12.5	9.3	13.9

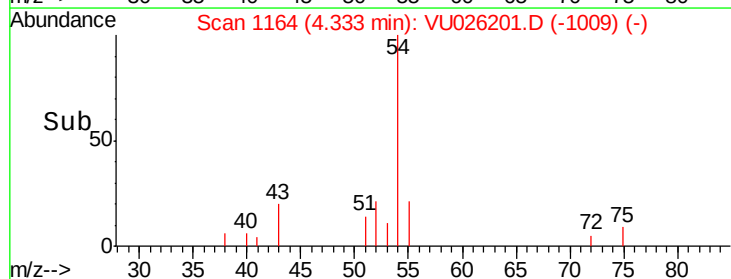
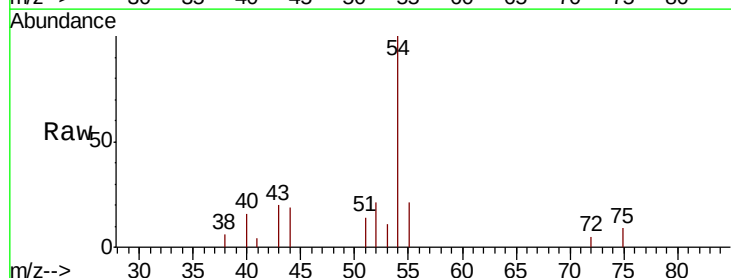
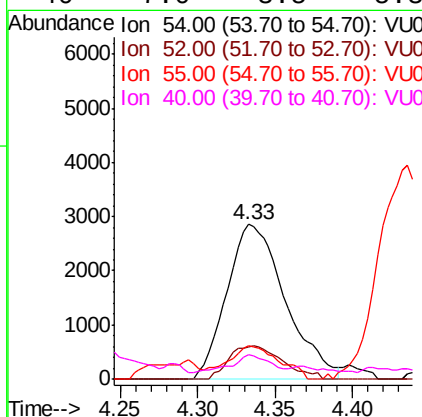
Manual Integrations
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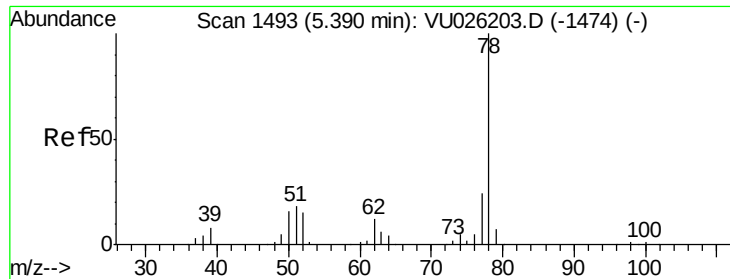
MMDadoda
8/21/2018 11:34:24 AM



#34
Propionitrile
Concen: 11.02 ug/l
RT: 4.33 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion:	54	Resp:	7507
Ion	Ratio	Lower	Upper
54	100		
52	19.4	13.7	20.5
55	18.3	10.2	15.2#
40	7.0	3.5	5.3#





#35

Benzene

Concen: 2.15 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 79857

Ion Ratio Lower Upper

78 100

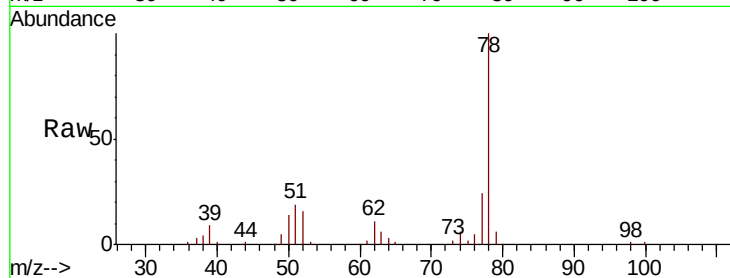
77 24.0 19.1 28.7

Manual Integrations

APPROVED

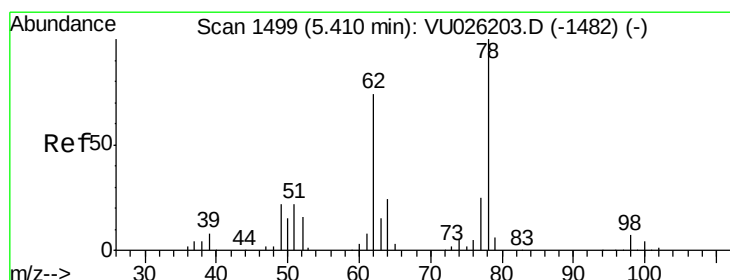
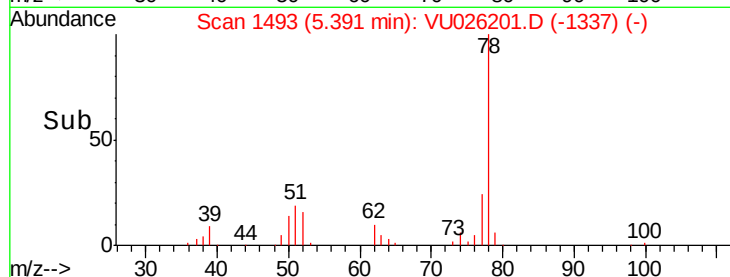
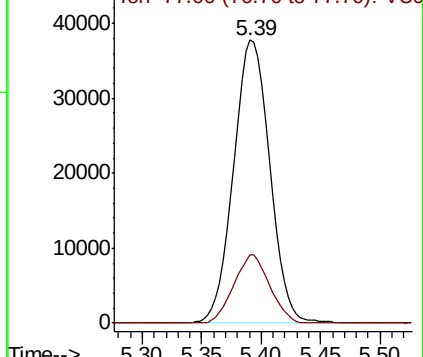
MMDadoda

8/21/2018 11:34:24 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: 2.16 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026201.D

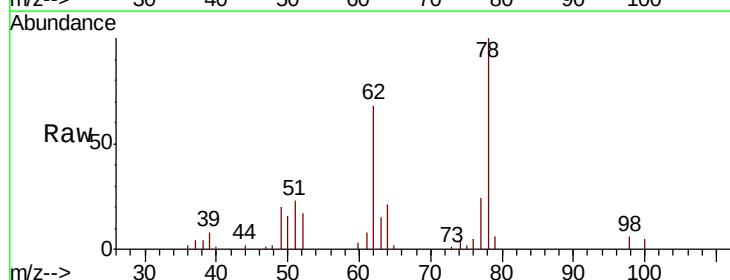
Acq: 20 Aug 2018 12:00

Tgt Ion: 62 Resp: 24733

Ion Ratio Lower Upper

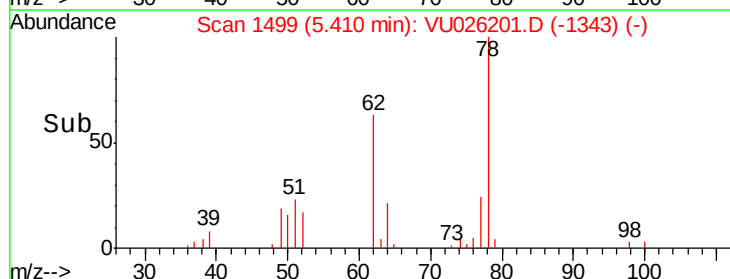
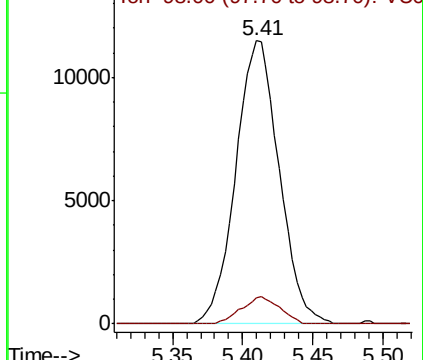
62 100

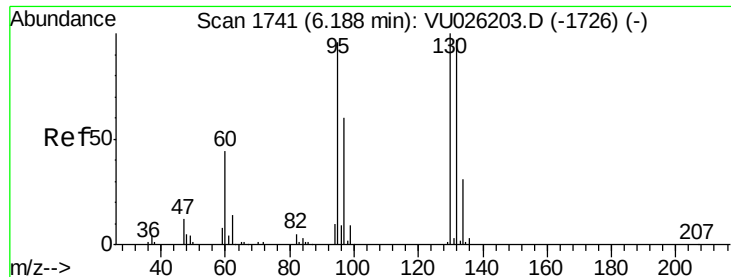
98 8.5 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





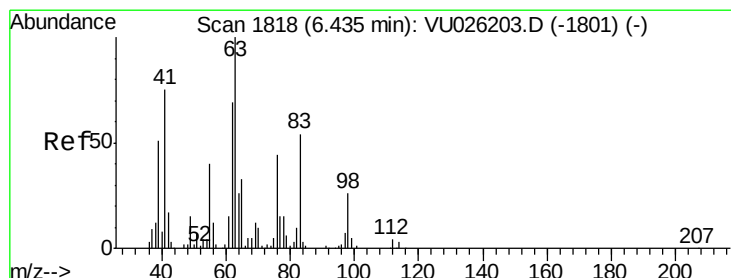
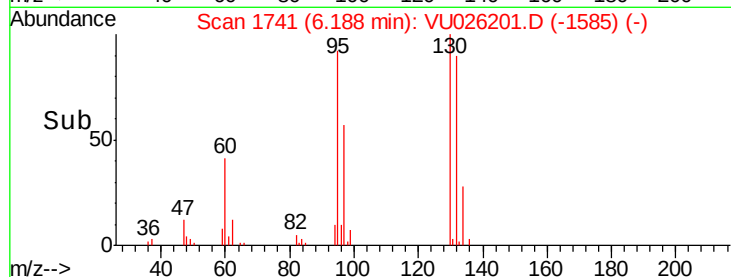
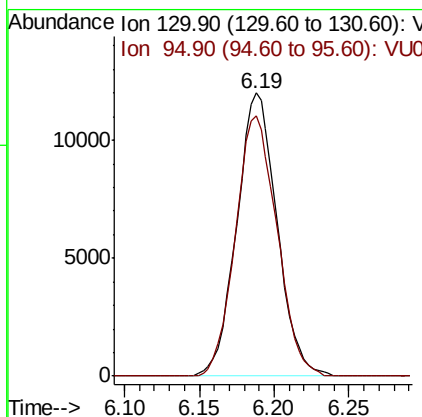
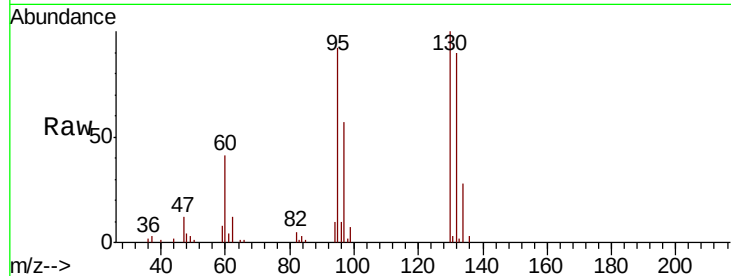
#37
 Trichloroethene
 Concen: 2.05 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
130	100		
95	91.9	77.9	116.9

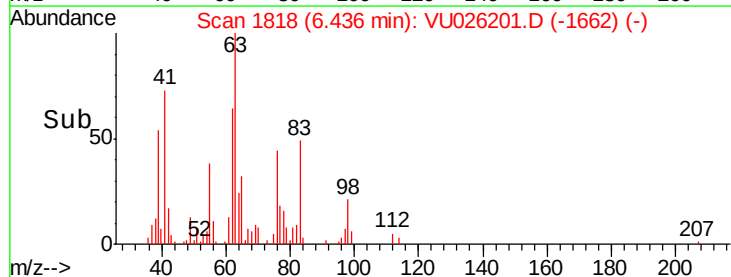
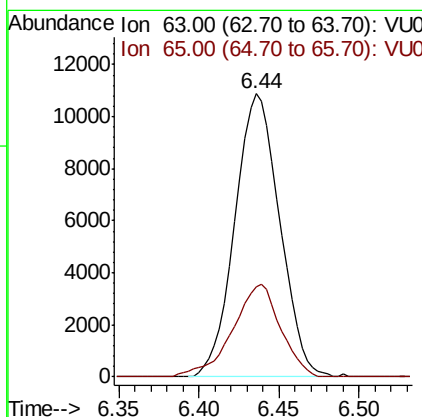
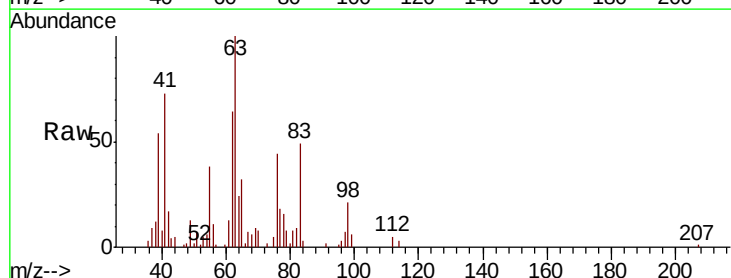
Manual Integrations
 APPROVED

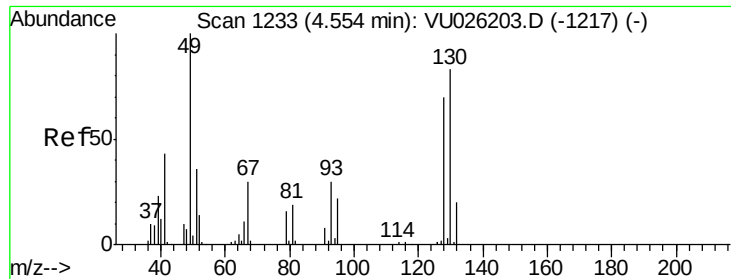
MMDadoda
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#38
 1,2-Dichloropropane
 Concen: 2.15 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.8	38.8





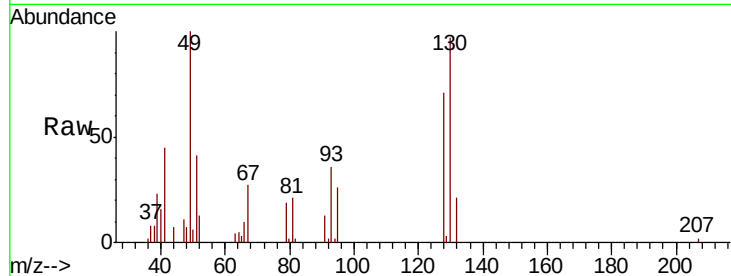
#39
Methacrylonitrile
Concen: 1.96 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

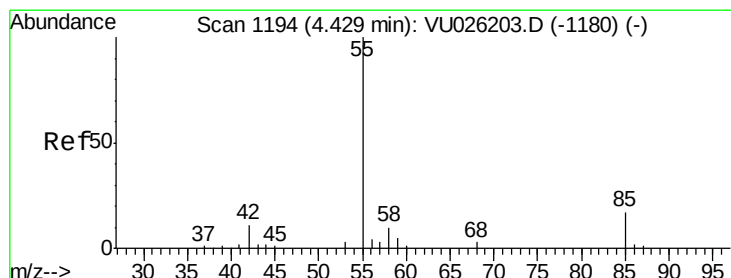
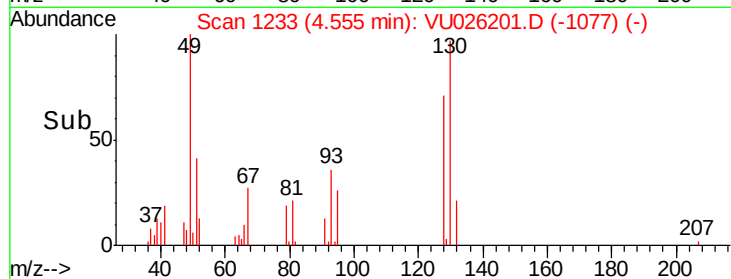
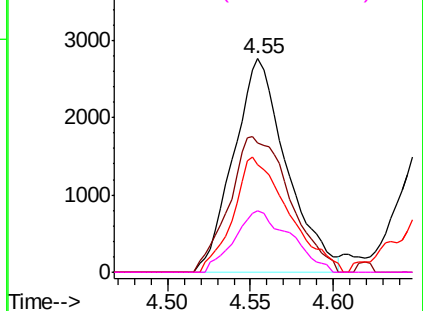
Tot Ion:	41	Resp:	6142
Ion	Ratio	Lower	Upper
41	100		
67	72.5	51.3	76.9
39	55.9	40.6	60.8
52	30.2	21.5	32.3

Manual Integrations
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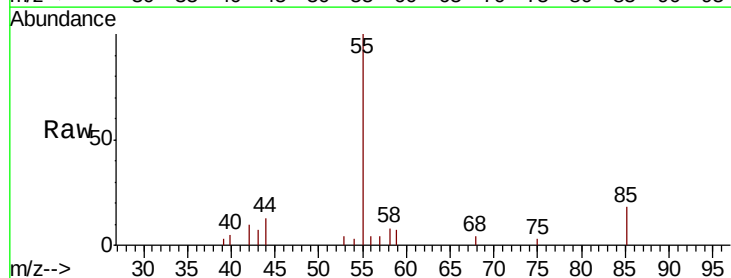


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

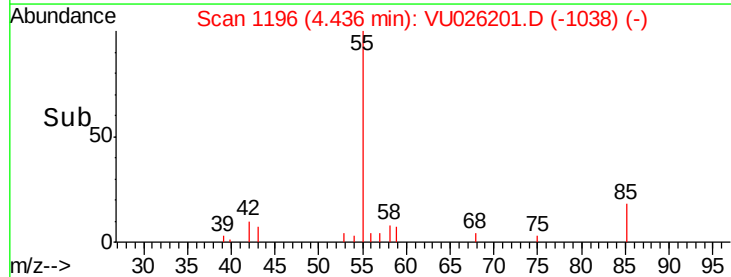
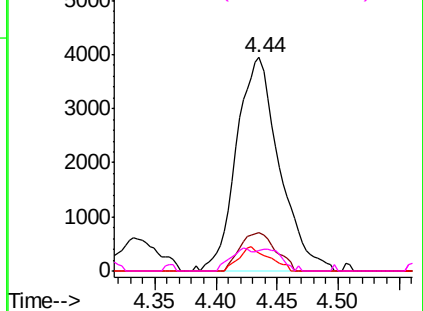


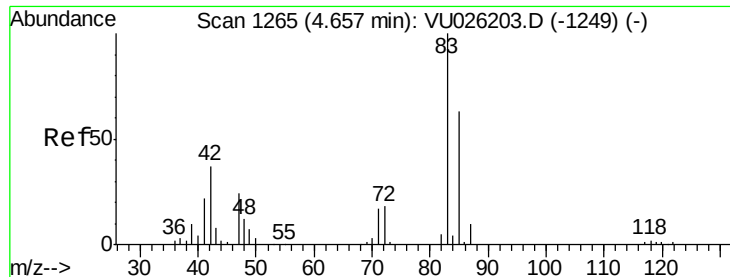
#40
Methyl acrylate
Concen: 2.03 ug/l
RT: 4.44 min Scan# 1196
Delta R.T. 0.01 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion:	55	Resp:	9613
Ion	Ratio	Lower	Upper
55	100		
85	14.8	12.3	18.5
58	7.9	7.0	10.6
42	6.0	7.0	10.4#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





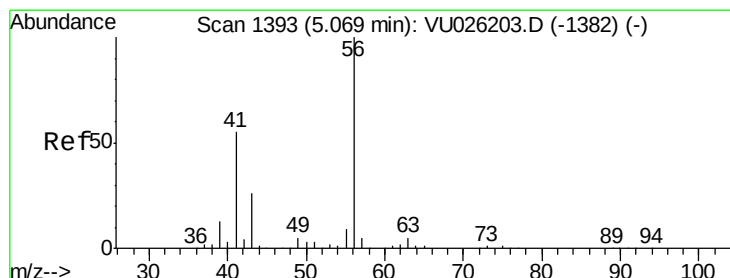
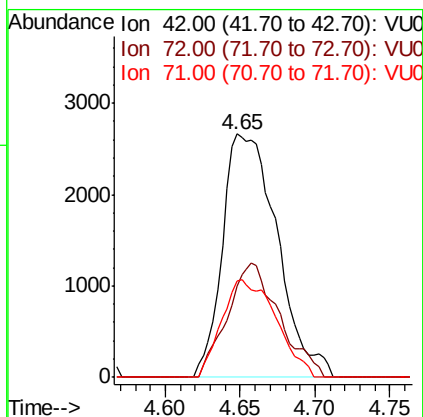
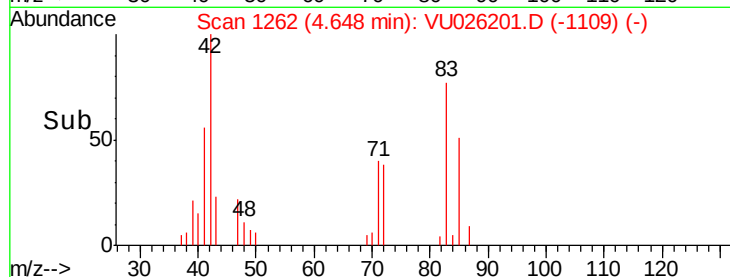
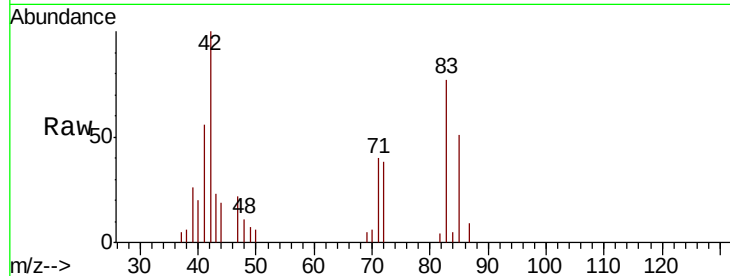
#41
Tetrahydrofuran
Concen: 3.64 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	42	Resp:	6751
Ion	Ratio	Lower	Upper
42	100		
72	44.5	33.2	49.8
71	39.9	29.8	44.8

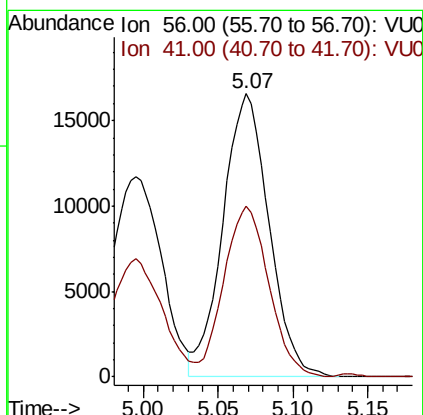
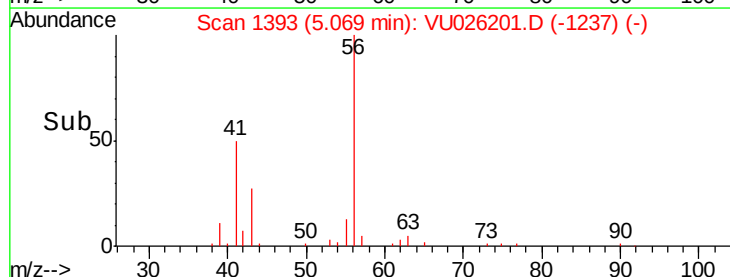
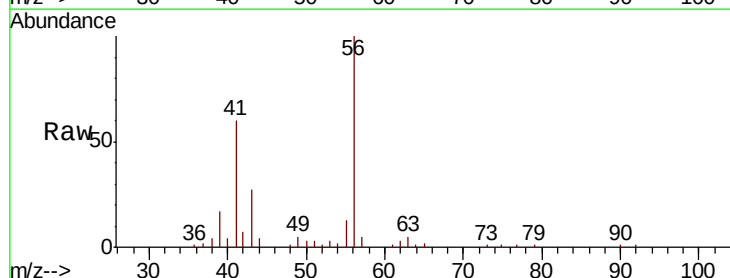
Manual Integrations
APPROVED

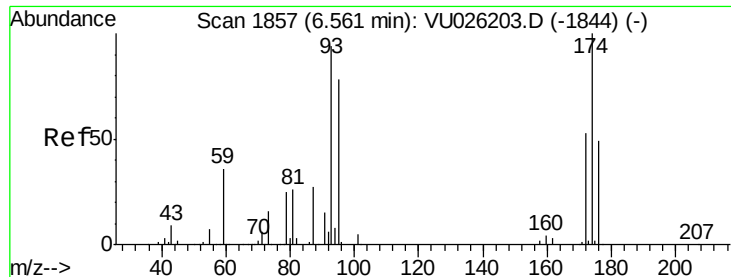
MMDadoda
8/21/2018 11:34:24 AM



#42
1-Chlorobutane
Concen: 1.96 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion:	56	Resp:	35518
Ion	Ratio	Lower	Upper
56	100		
41	59.2	27.5	82.5





#43

Dibromomethane

Concen: 2.16 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

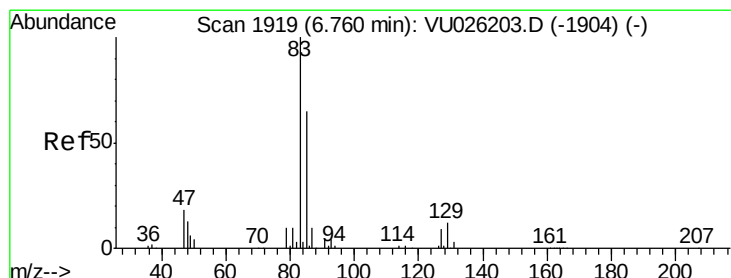
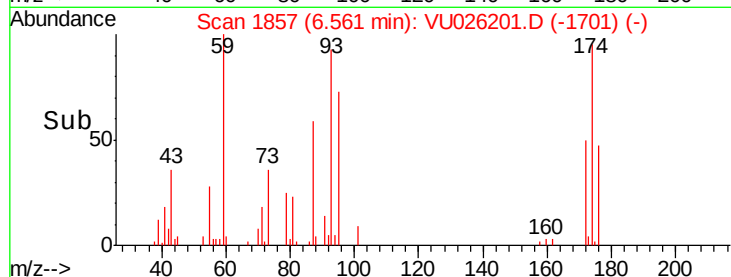
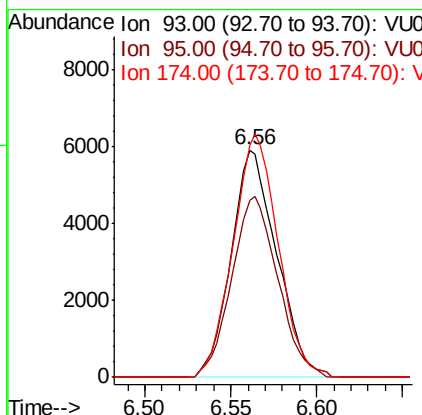
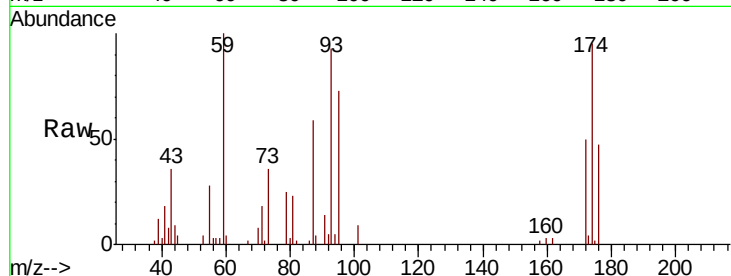
ClientSampleId :

VSTDIC002

Tot Ion:	93	Resp:	10883
Ion	Ratio	Lower	Upper
93	100		
95	80.7	67.2	100.8
174	106.1	82.8	124.2

Manual Integrations
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8/21/2018 11:34:24 AM



#44

Bromodichloromethane

Concen: 2.24 ug/l

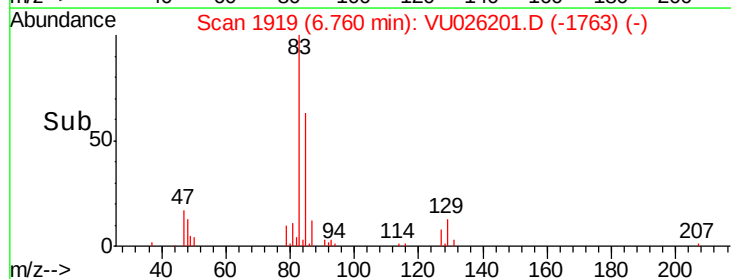
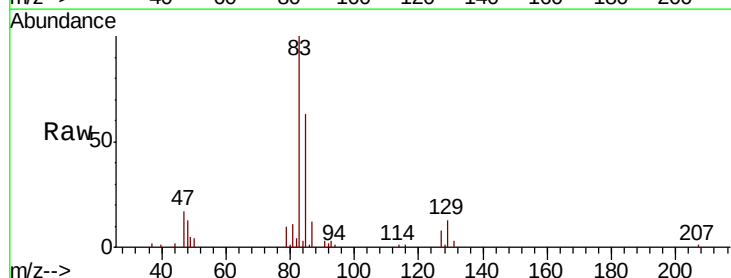
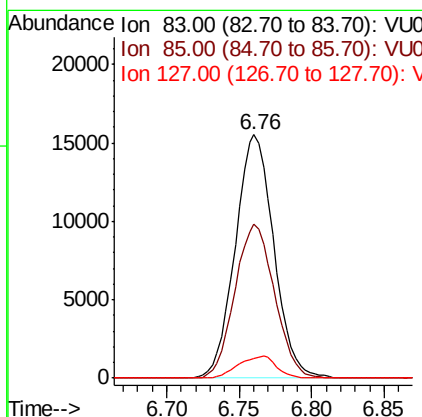
RT: 6.76 min Scan# 1919

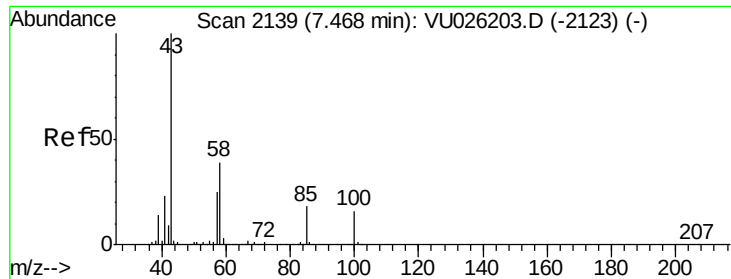
Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tgt Ion:	83	Resp:	28674
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4
127	8.0	7.0	10.4





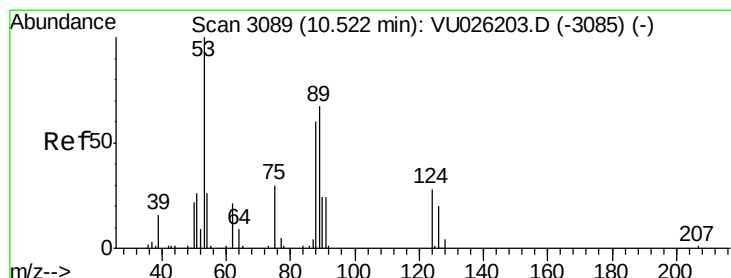
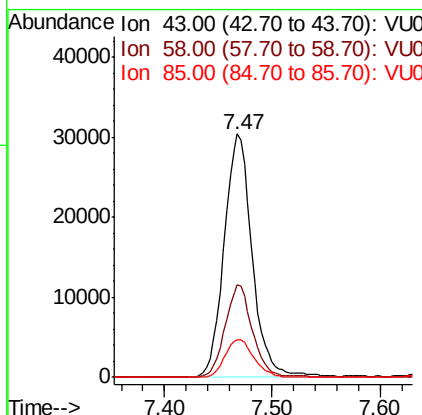
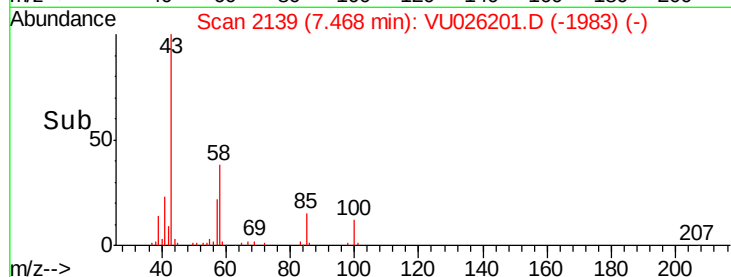
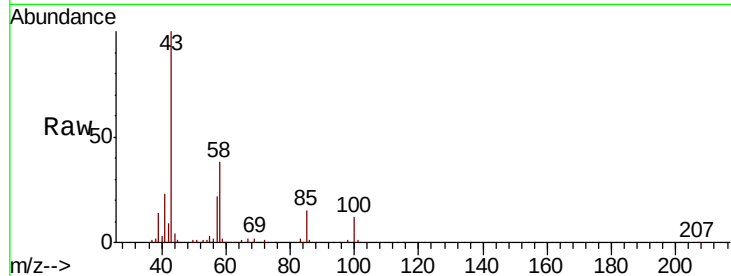
#45
4-Methyl-2-Pentanone
Concen: 9.81 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	55158
Ion Ratio	Lower	Upper	
43	100		
58	36.9	18.8	56.4
85	15.9	12.6	19.0

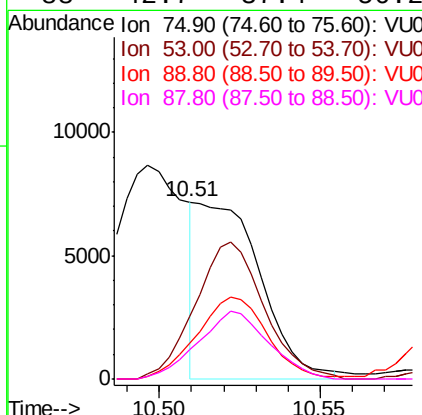
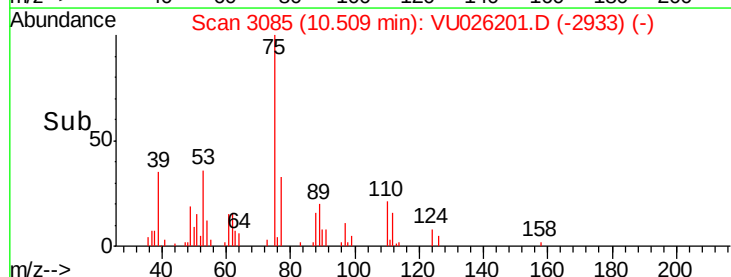
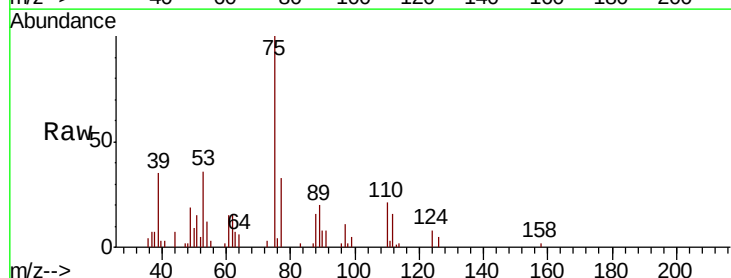
Manual Integrations
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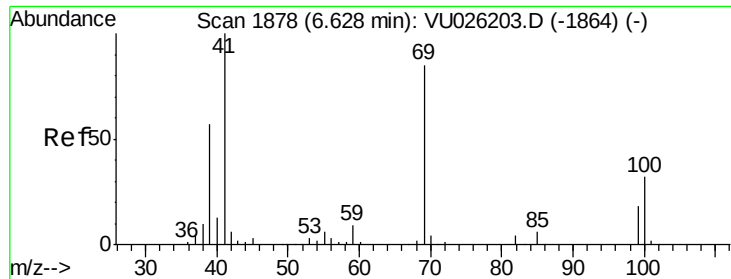
MMDadoda
8/21/2018 11:34:24 AM



#46
t-1,4-Dichloro-2-butene
Concen: 5.32 ug/l m
RT: 10.51 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion:	75	Resp:	9879
Ion Ratio	Lower	Upper	
75	100		
53	84.1	82.2	123.4
89	51.6	51.3	76.9
88	42.7	37.4	56.2





#47

Methyl methacrylate

Concen: 3.90 ug/l

RT: 6.63 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 69 Resp: 16432

Ion Ratio Lower Upper

69 100

41 121.6 0.0 245.4

39 66.3 49.0 73.4

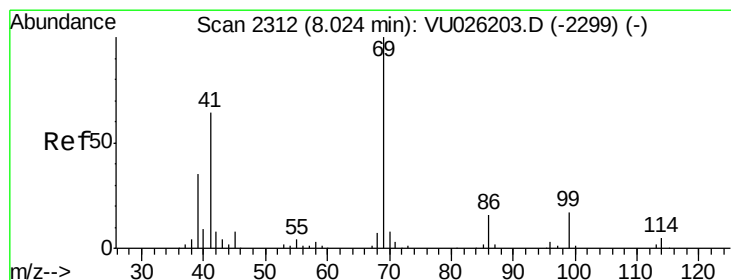
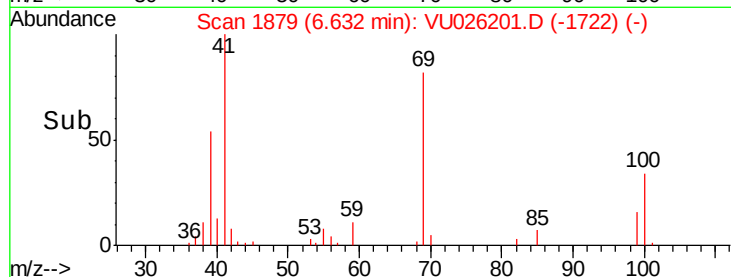
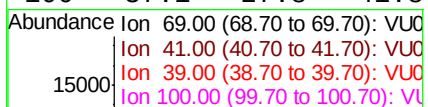
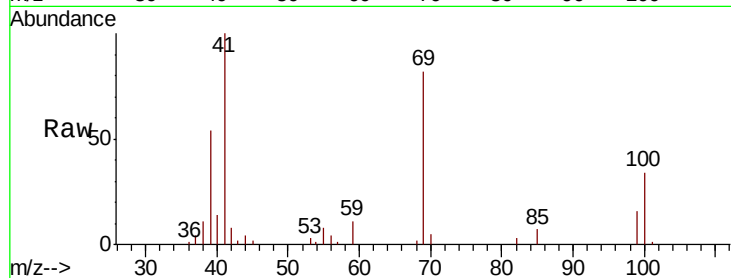
100 37.1 27.8 41.8

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#48

Ethyl methacrylate

Concen: 1.71 ug/l

RT: 8.02 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VU026201.D

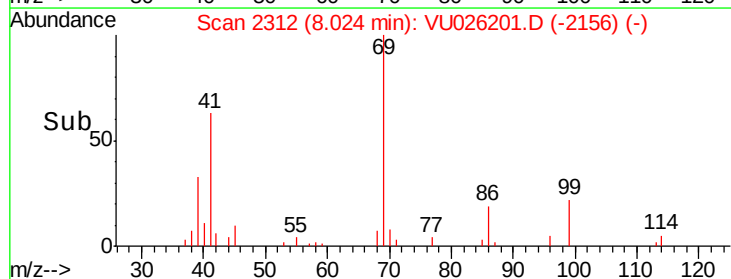
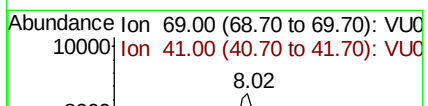
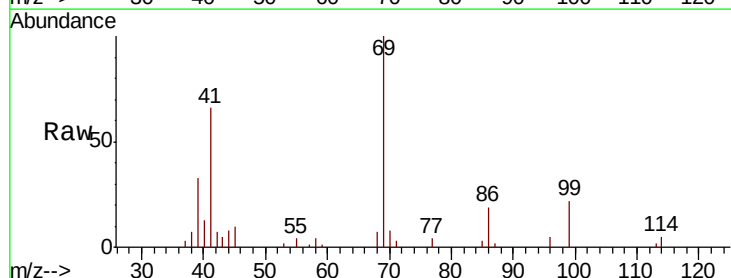
Acq: 20 Aug 2018 12:00

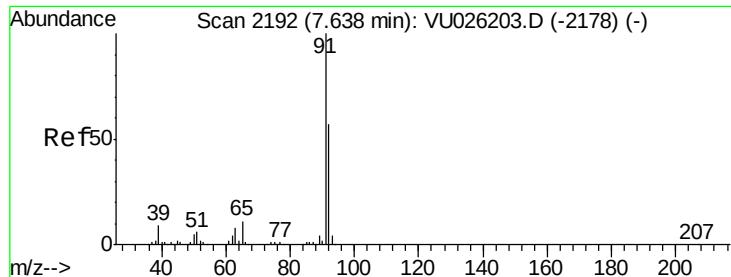
Tgt Ion: 69 Resp: 14500

Ion Ratio Lower Upper

69 100

41 68.3 34.2 102.5





#49

Toluene

Concen: 1.98 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 45111

Ion Ratio Lower Upper

92 100

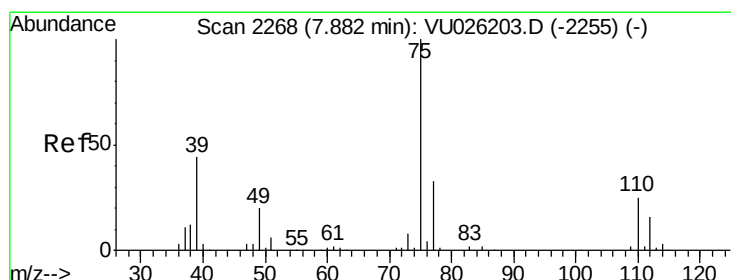
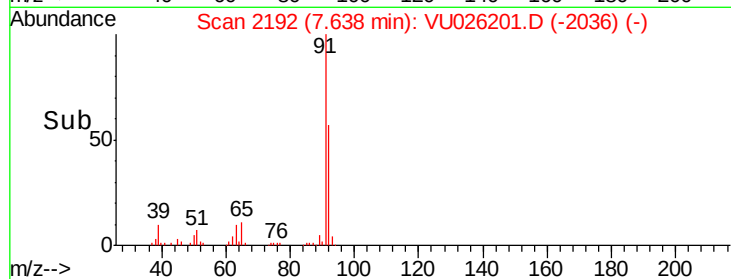
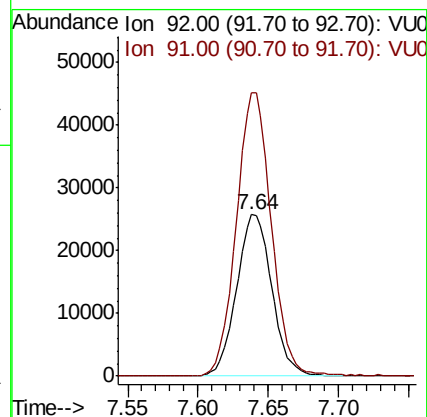
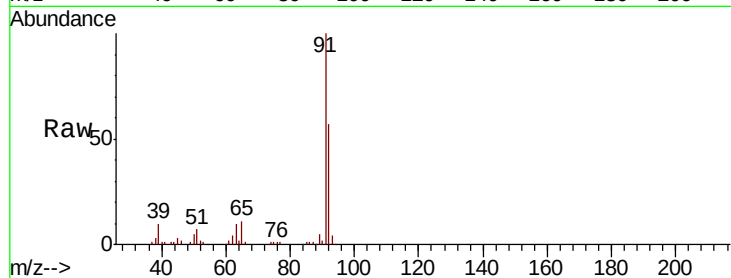
91 173.8 137.1 205.7

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#50

t-1,3-Dichloropropene

Concen: 2.06 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026201.D

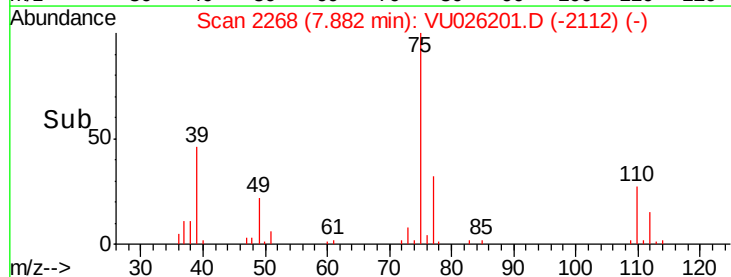
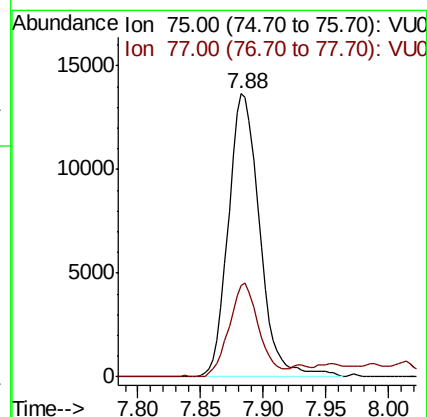
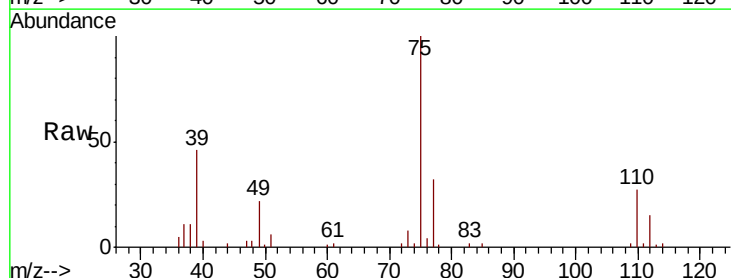
Acq: 20 Aug 2018 12:00

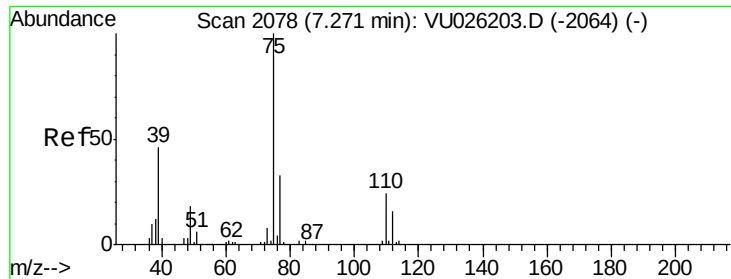
Tgt Ion: 75 Resp: 23760

Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8





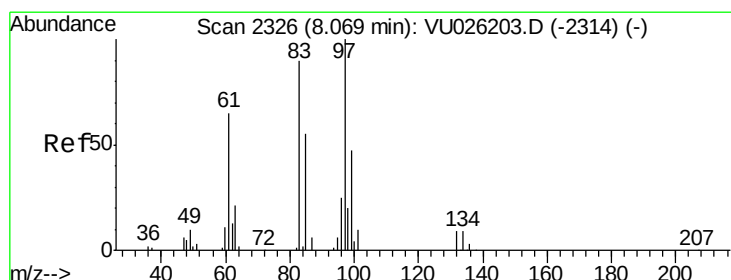
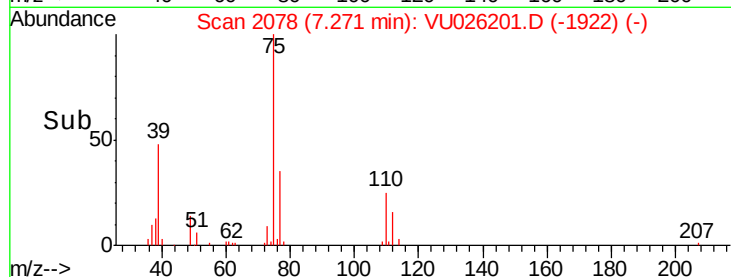
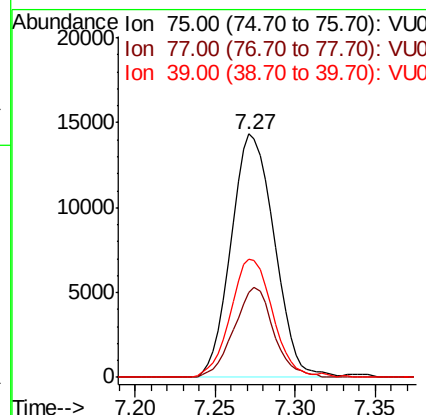
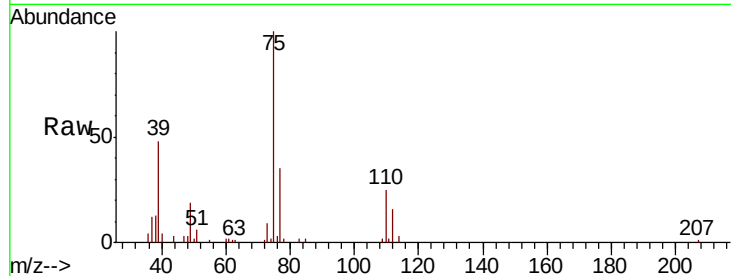
#51
 cis-1,3-Dichloropropene
 Concen: 1.92 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.2	37.8
39	48.4	36.4	54.6

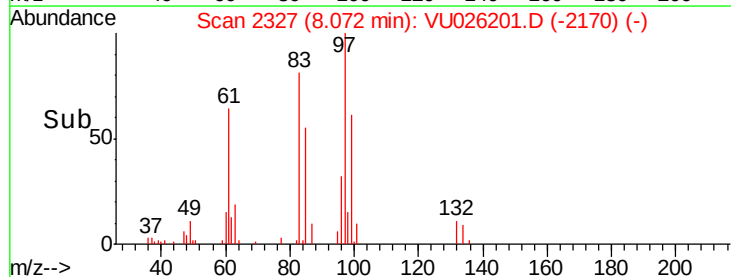
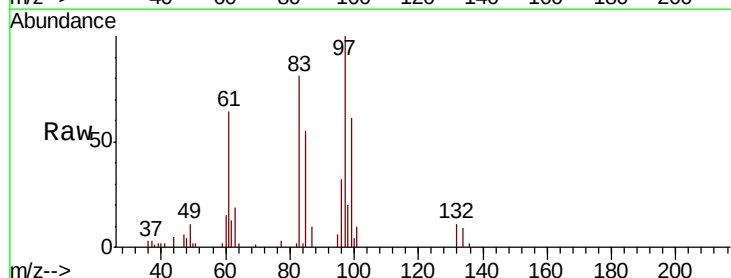
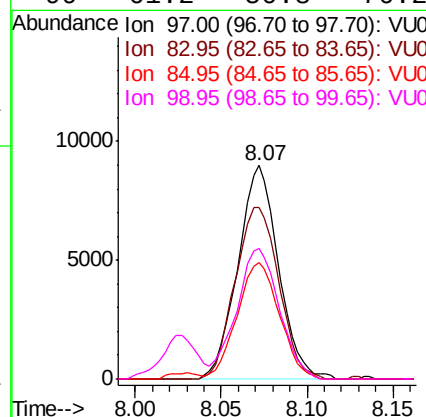
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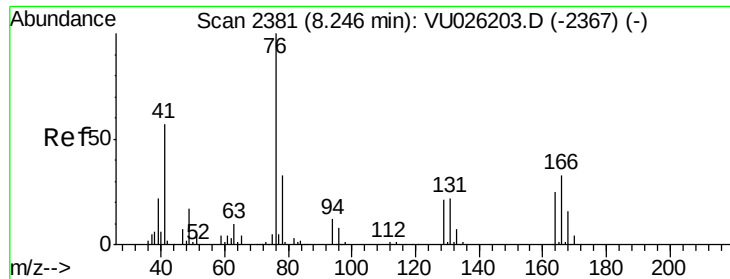
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#52
 1,1,2-Trichloroethane
 Concen: 2.17 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.5	72.6	109.0
85	54.7	47.2	70.8
99	61.2	50.8	76.2





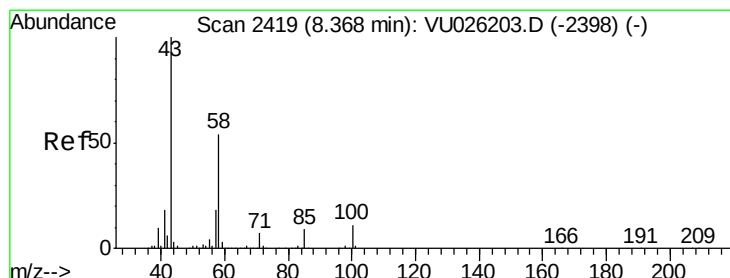
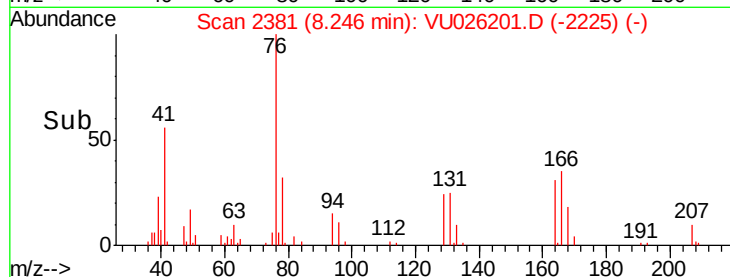
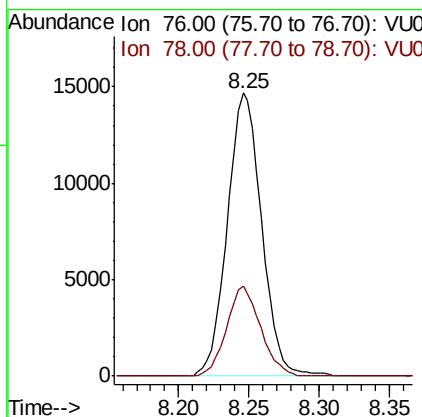
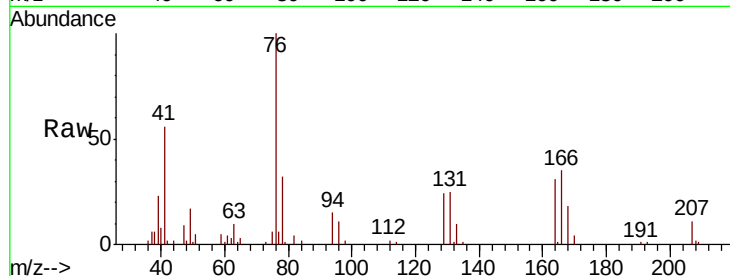
#53
 1,3-Dichloropropane
 Concen: 2.18 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 76 Resp: 24919
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5

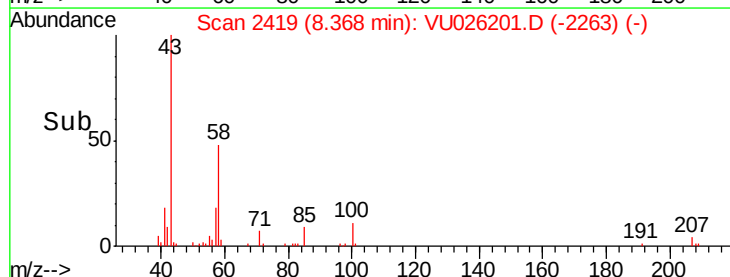
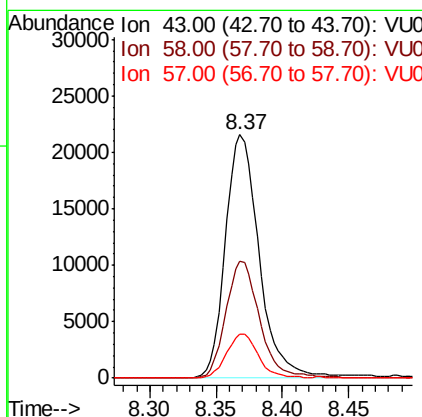
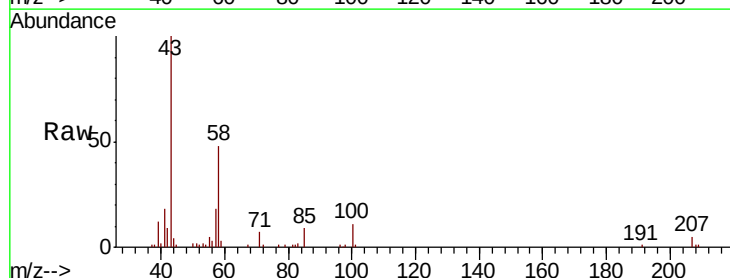
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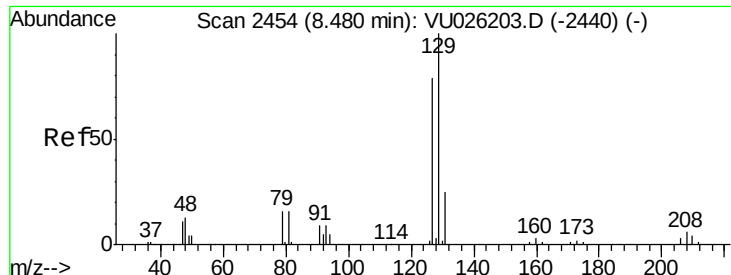
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#54
 2-Hexanone
 Concen: 9.64 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion: 43 Resp: 38272
 Ion Ratio Lower Upper
 43 100
 58 48.0 32.5 72.5
 57 16.9 0.0 37.9





#55

Dibromochloromethane

Concen: 2.39 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:129 Resp: 20584

Ion Ratio Lower Upper

129 100

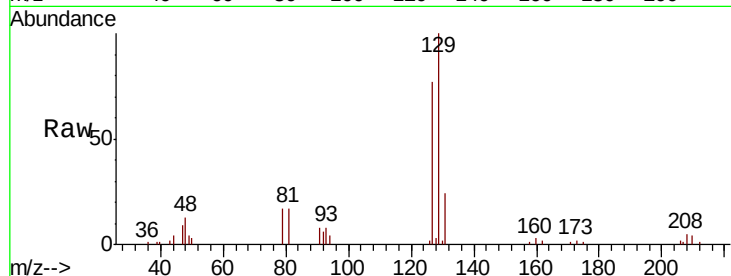
127 73.9 61.1 91.7

Manual Integrations

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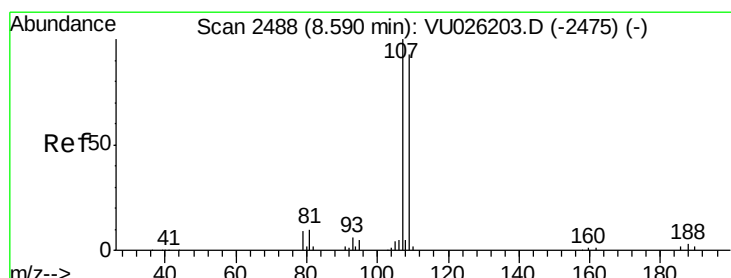
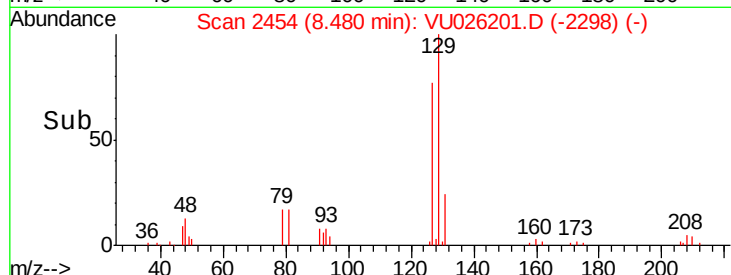
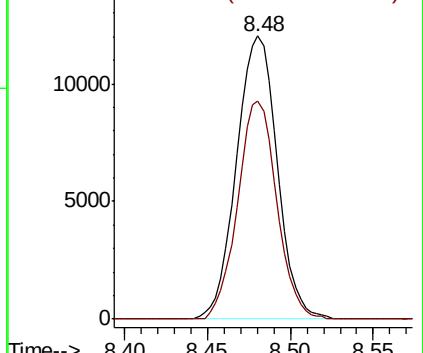
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.20 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU026201.D

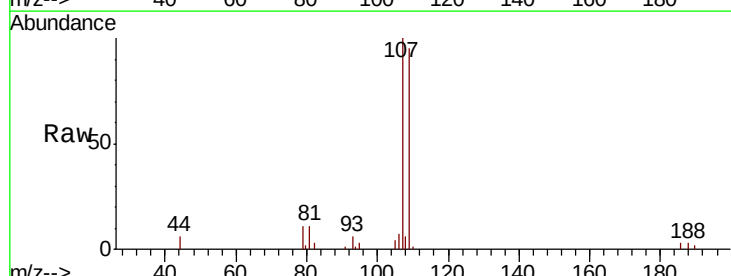
Acq: 20 Aug 2018 12:00

Tgt Ion:107 Resp: 14360

Ion Ratio Lower Upper

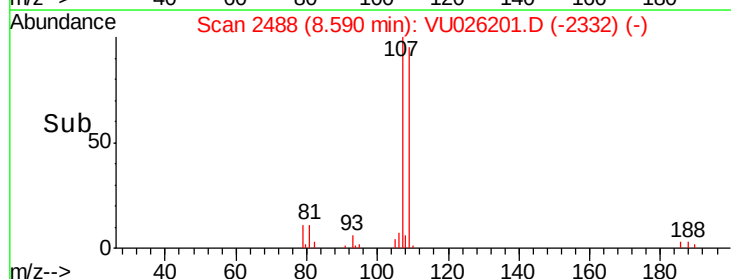
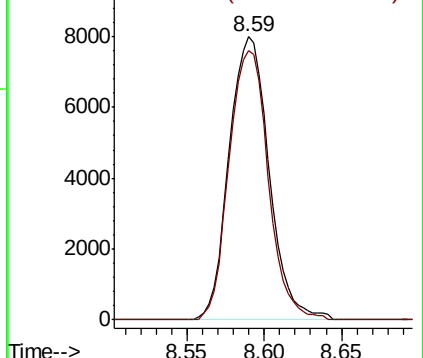
107 100

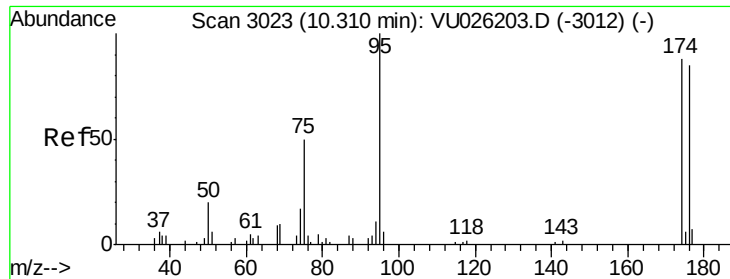
109 93.1 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 2.20 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

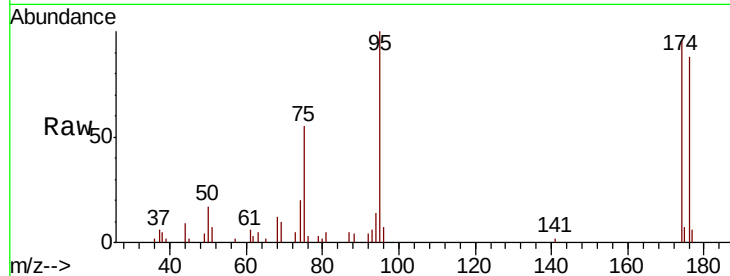
ClientSampleId :

VSTDIC002

Tot Ion:	95	Resp:	11756
Ion Ratio	Lower	Upper	
95	100		
174	95.5	65.6	98.4
176	82.3	62.0	93.0

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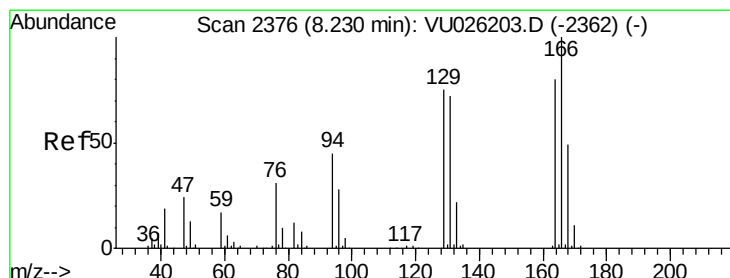
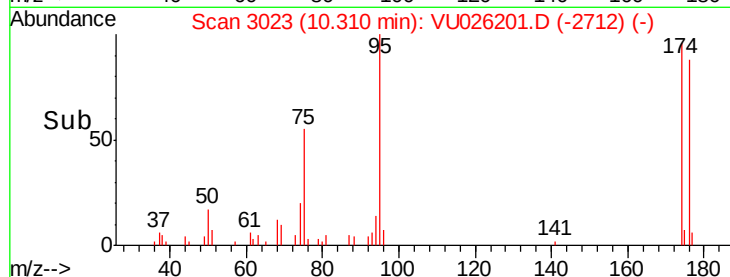
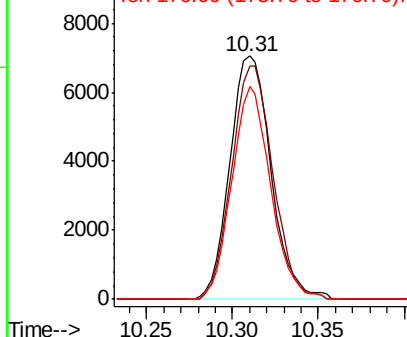


Abundance

Ion 95.00 (94.70 to 95.70): VU026201.D (-2220) (-)

Ion 174.00 (173.70 to 174.70): VU026201.D (-2220) (-)

Ion 176.00 (175.70 to 176.70): VU026201.D (-2220) (-)



#58

Tetrachloroethene

Concen: 2.20 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tgt Ion:	164	Resp:	21688
Ion Ratio	Lower	Upper	
164	100		
166	124.4	104.1	156.1
129	86.9	76.8	115.2
131	84.9	72.6	108.8

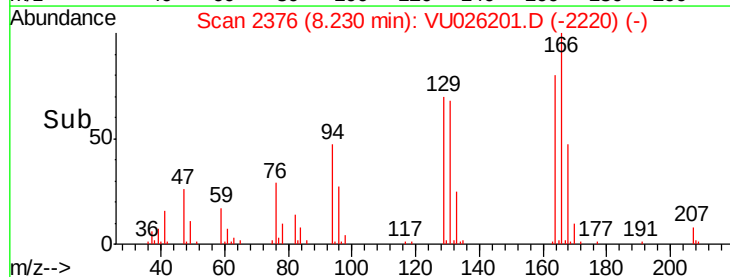
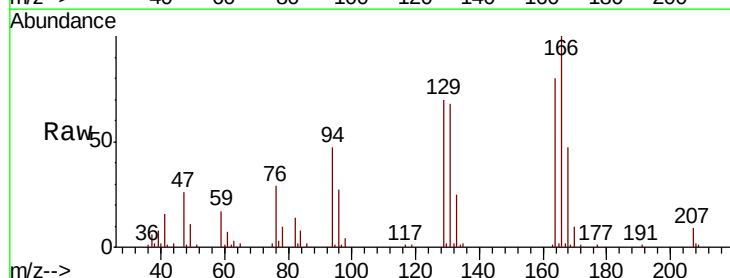
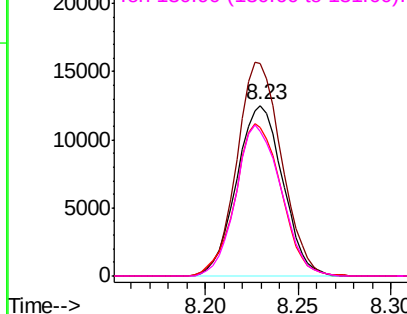
Abundance

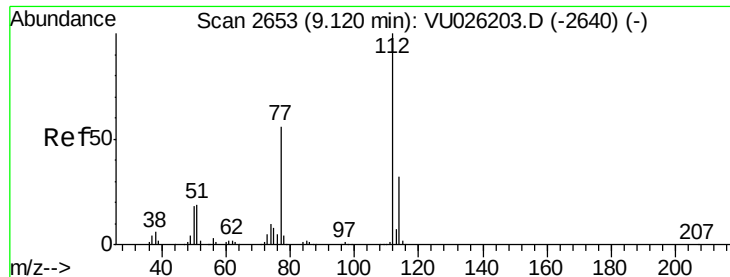
Ion 163.85 (163.55 to 164.55): VU026201.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU026201.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU026201.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU026201.D (-2220) (-)





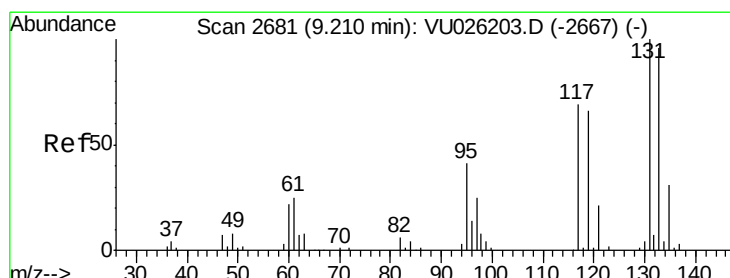
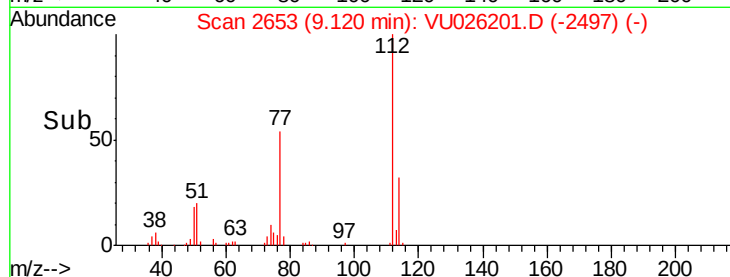
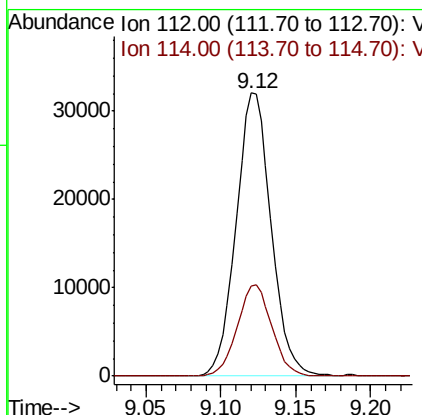
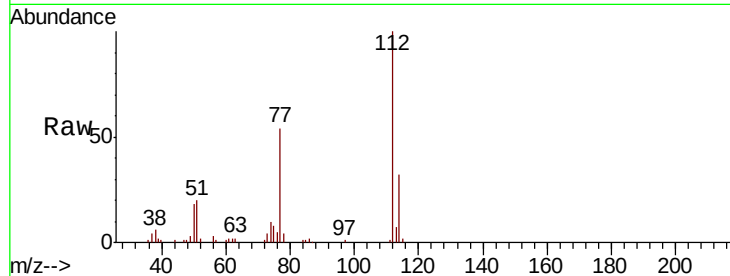
#59
Chlorobenzene
Concen: 2.00 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

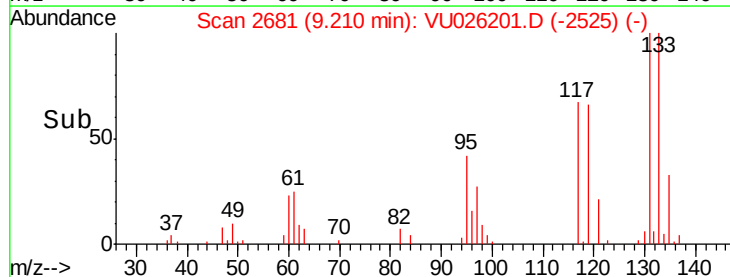
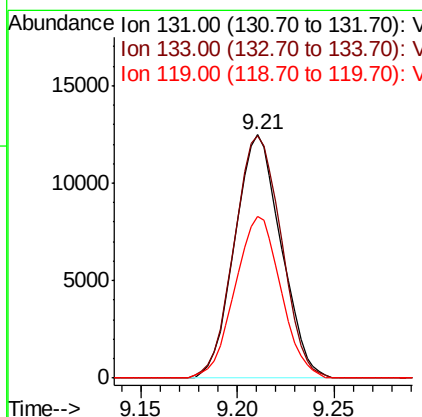
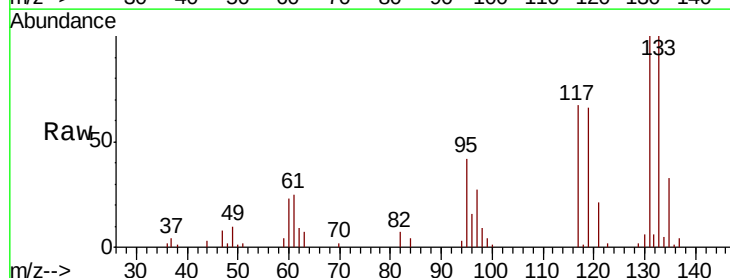
Manual Integrations
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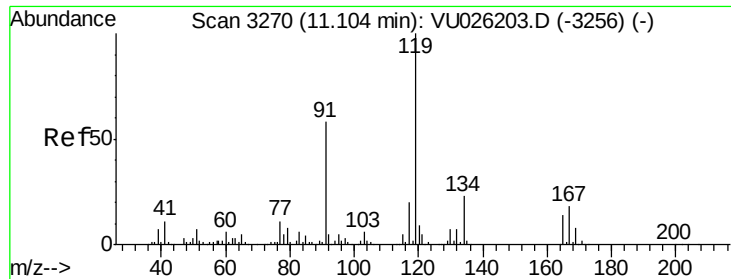
MMDadoda
8/21/2018 11:34:24 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.14 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.0	75.8	113.8
119	65.8	53.0	79.6





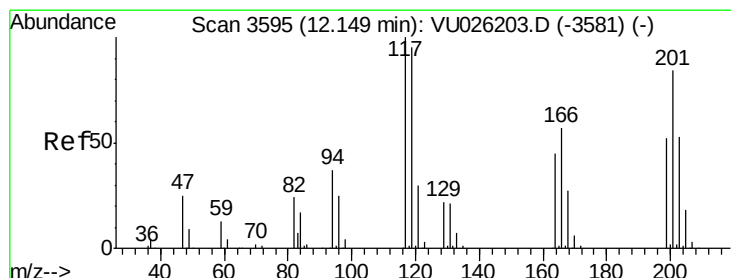
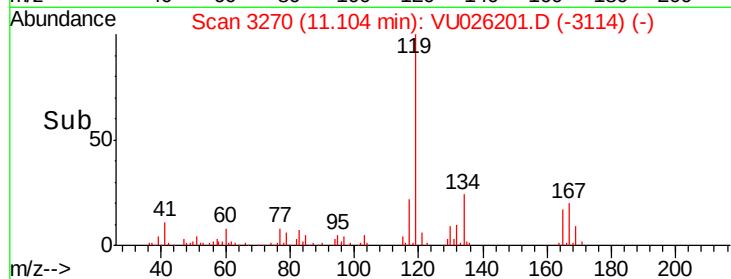
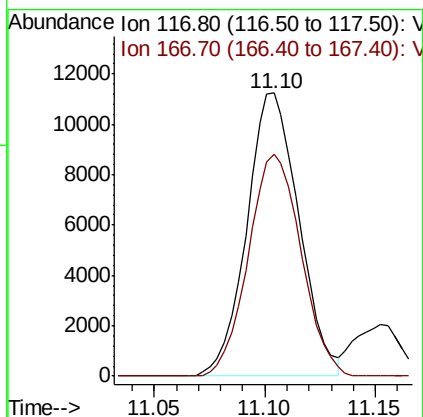
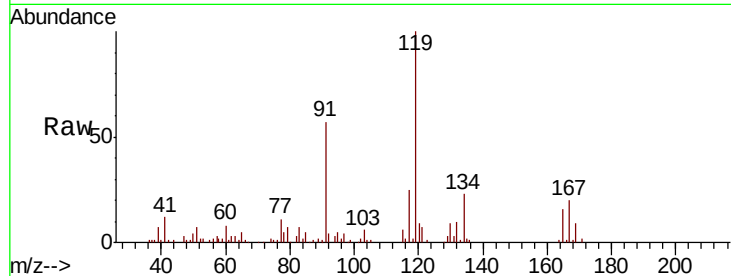
#61
 Pentachloroethane
 Concen: 2.48 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
167	79.2	69.2	103.8

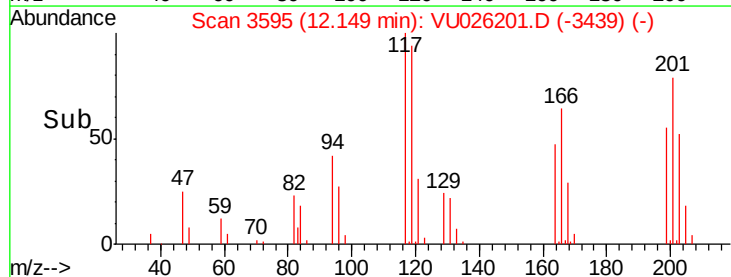
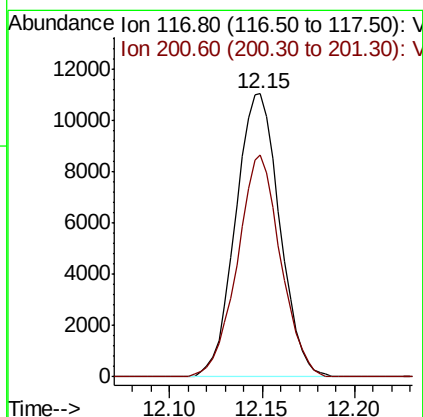
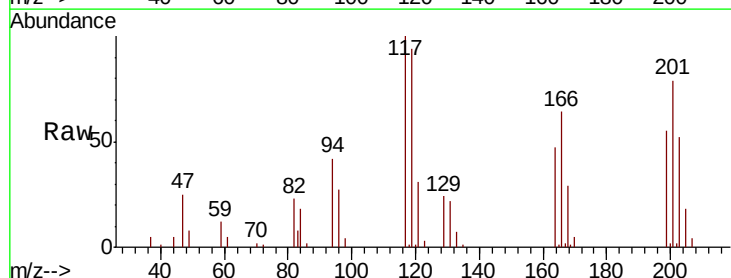
Manual Integrations
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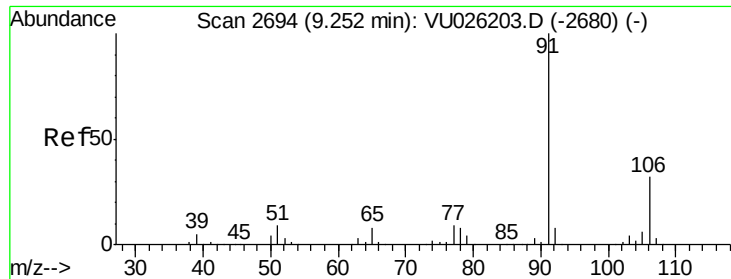
MMDadoda
 8/21/2018 11:34:24 AM



#62
 Hexachloroethane
 Concen: 2.40 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	68.7	103.1





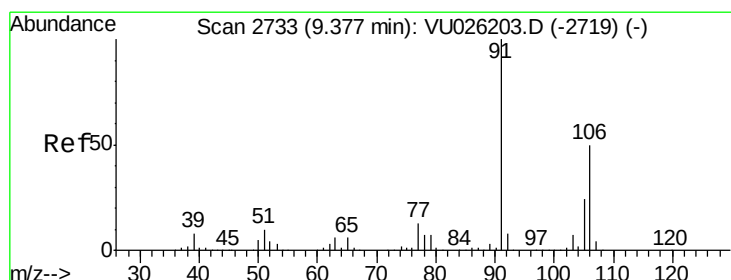
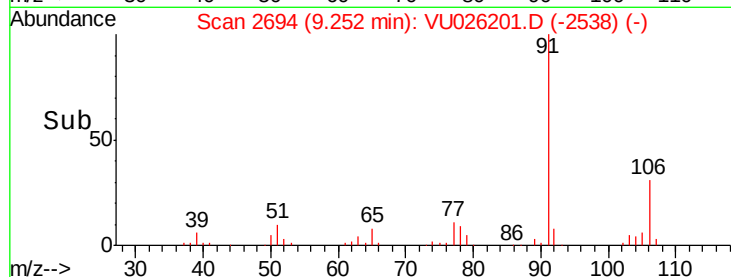
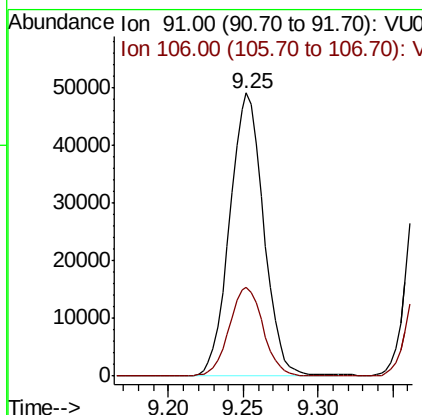
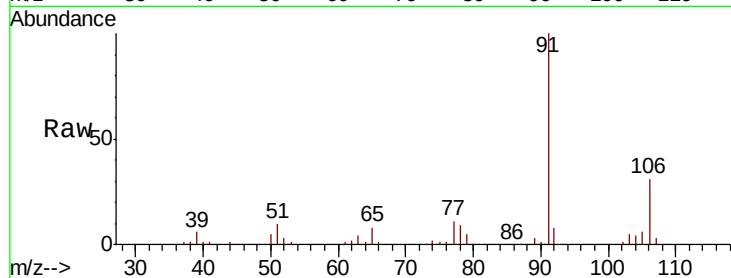
#63
Ethyl Benzene
Concen: 1.78 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 77333
Ion Ratio Lower Upper
91 100
106 31.2 24.7 37.1

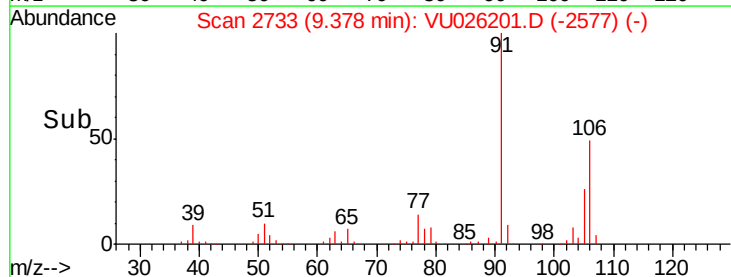
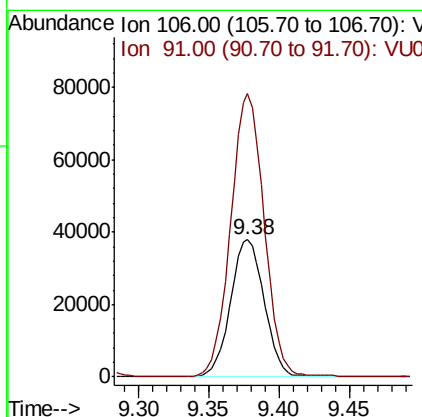
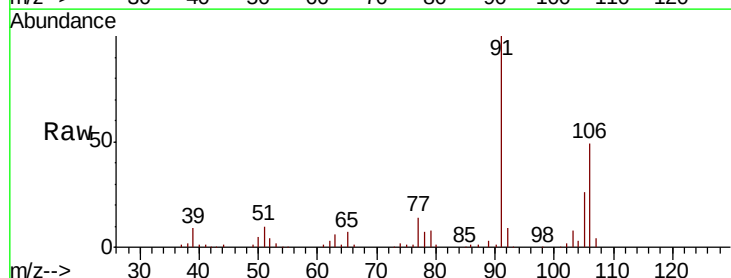
Manual Integrations
APPROVED

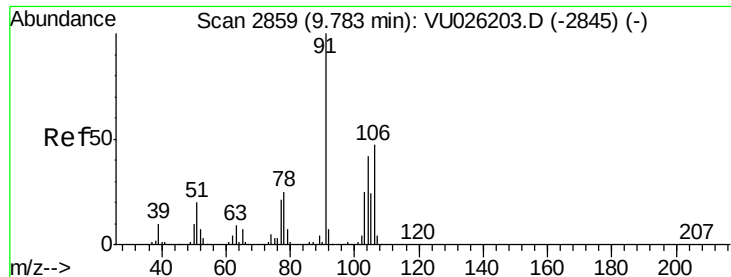
MMDadoda
8/21/2018 11:34:24 AM



#64
m/p-Xylenes
Concen: 3.71 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion: 106 Resp: 63485
Ion Ratio Lower Upper
106 100
91 203.6 164.1 246.1





#65

o-Xylene

Concen: 1.89 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:106 Resp: 30840

Ion Ratio Lower Upper

106 100

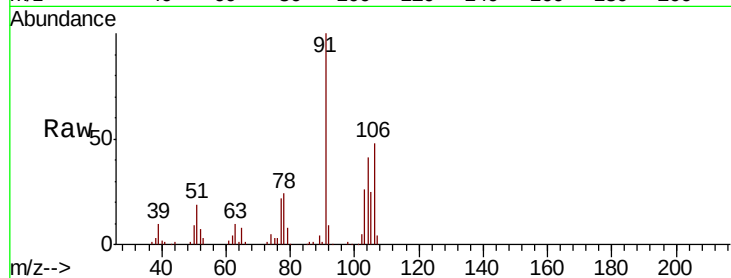
91 208.0 107.9 323.7

Manual Integrations

APPROVED

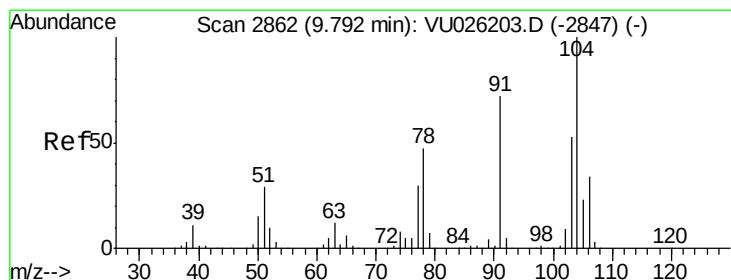
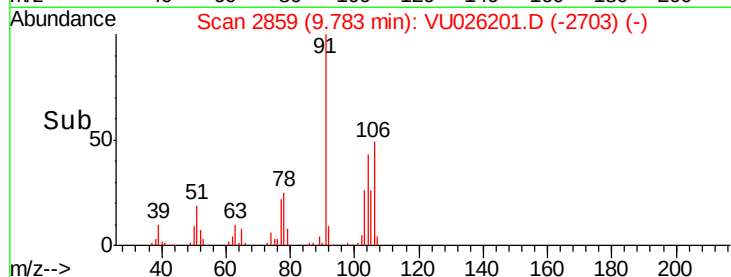
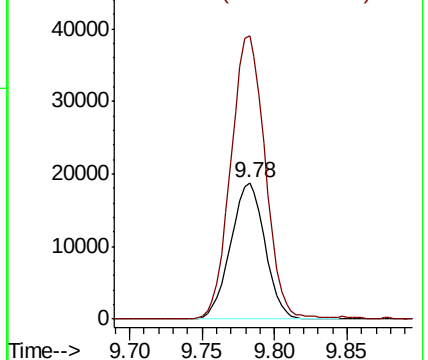
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.88 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

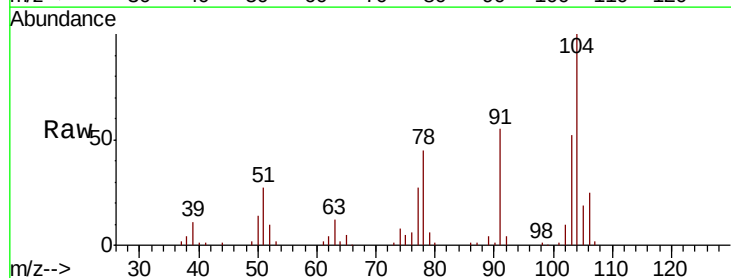
Tgt Ion:104 Resp: 52077

Ion Ratio Lower Upper

104 100

78 49.2 40.2 60.2

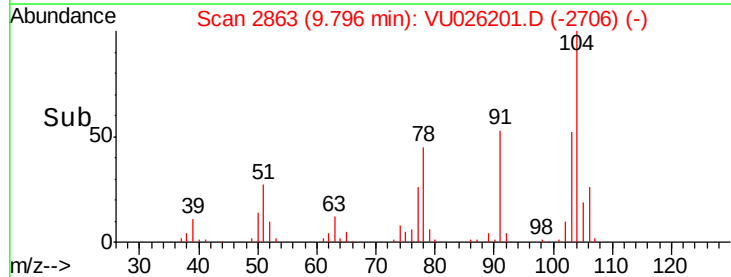
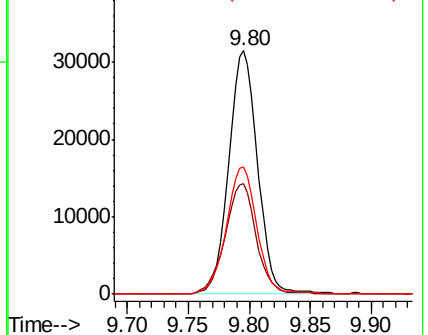
103 55.4 44.2 66.4

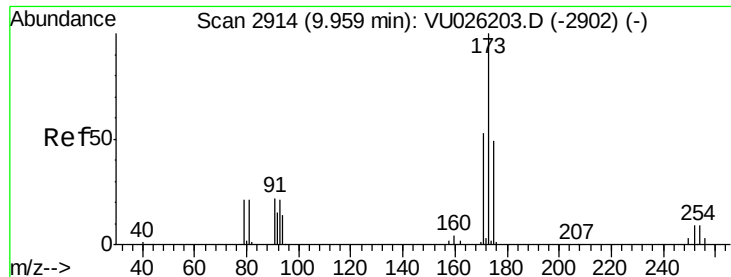


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





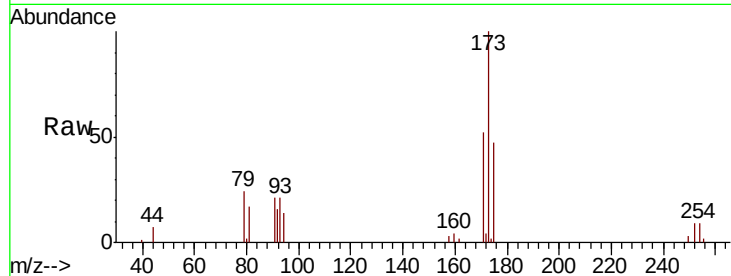
#67
Bromoform
Concen: 2.27 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

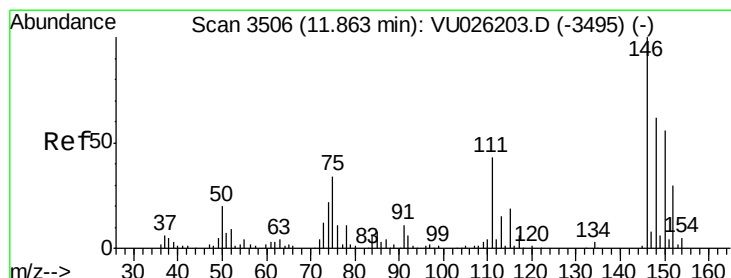
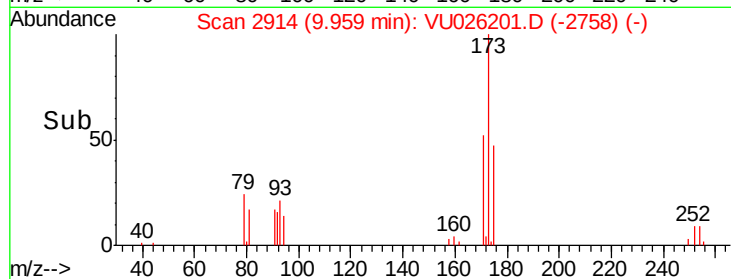
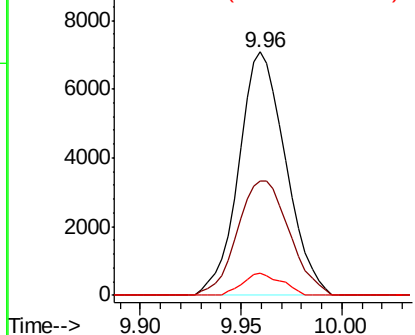
Tot Ion	Ratio	Lower	Upper
173	100		
175	52.2	38.6	57.8
254	7.6	8.8	13.2

Manual Integrations
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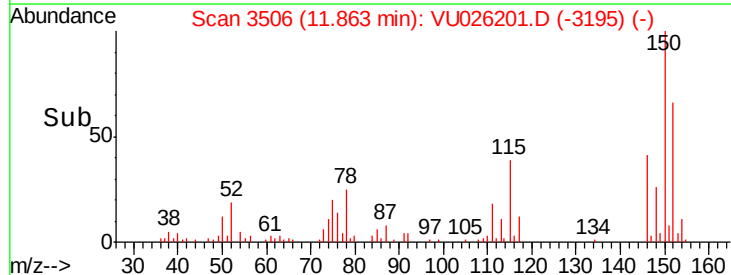
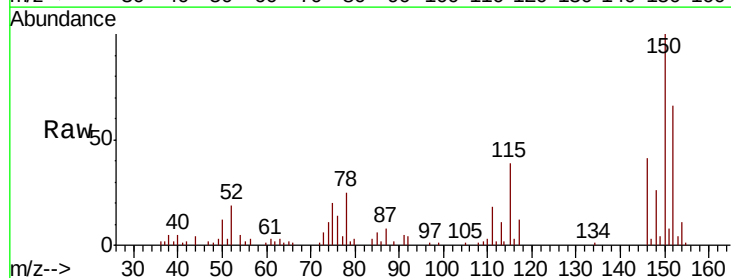
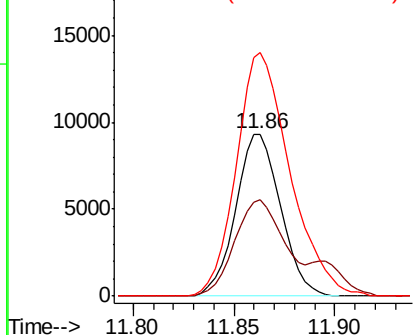
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

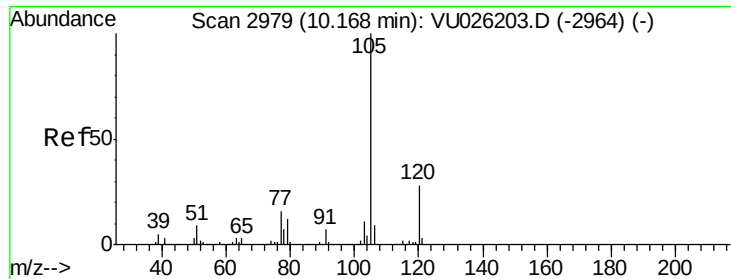


#68
1,2-Dichlorobenzene-d4
Concen: 2.27 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.5	0.0	118.8
150	179.7	0.0	0.0

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.79 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 78835

Ion Ratio Lower Upper

105 100

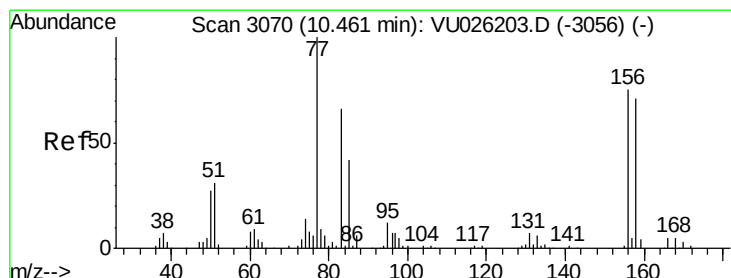
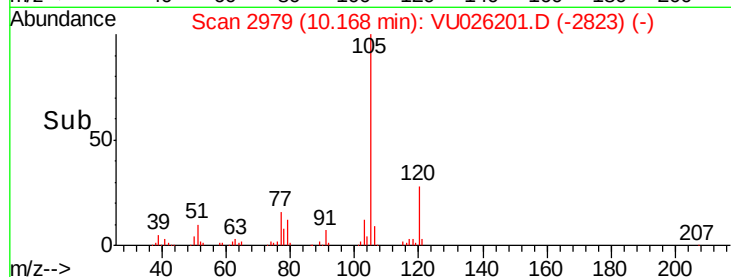
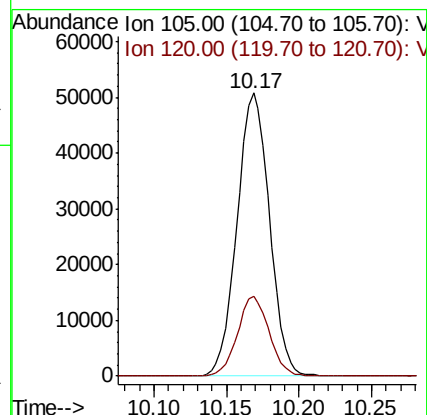
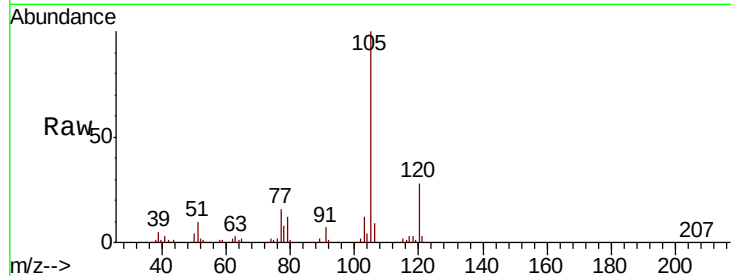
120 27.4 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.24 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

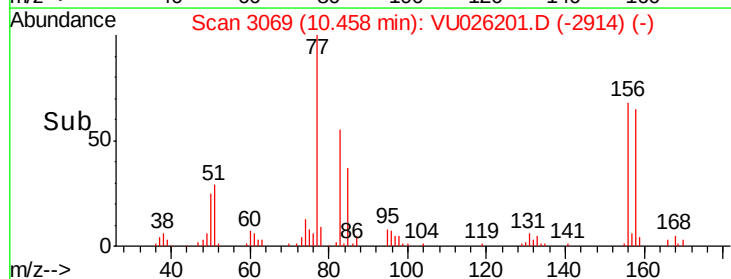
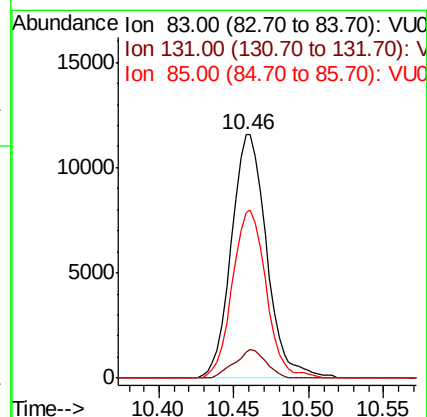
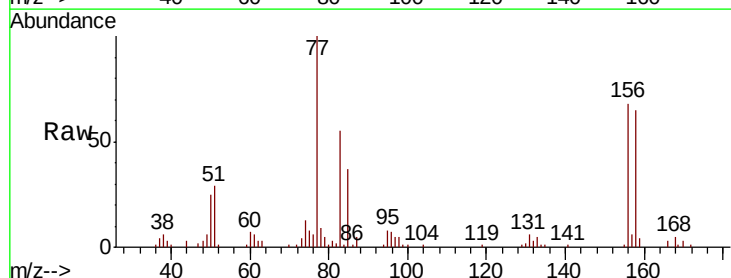
Tgt Ion: 83 Resp: 19007

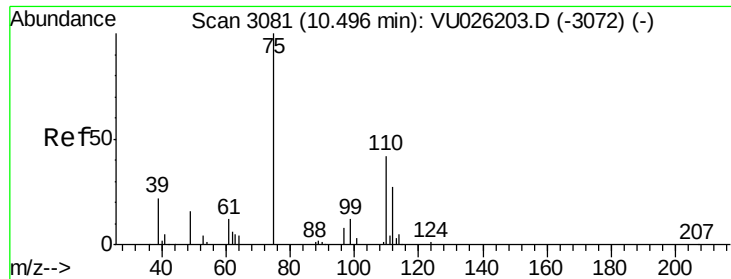
Ion Ratio Lower Upper

83 100

131 10.3 7.9 11.9

85 65.9 51.8 77.6





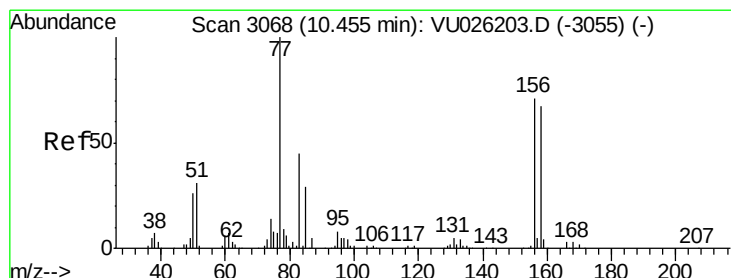
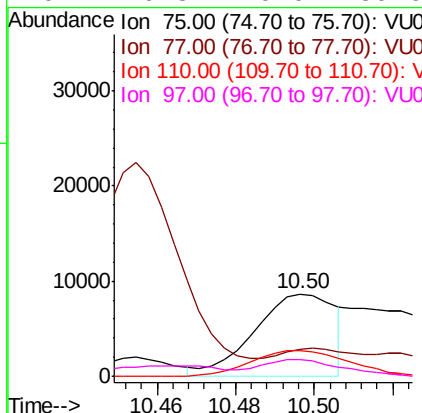
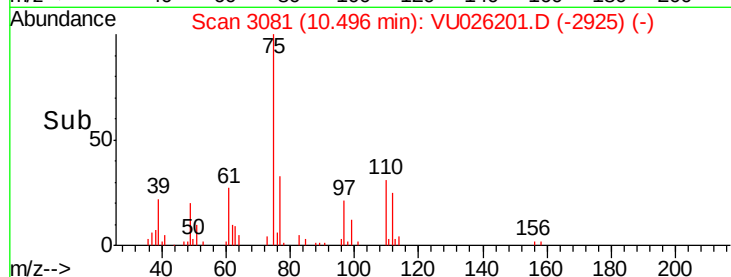
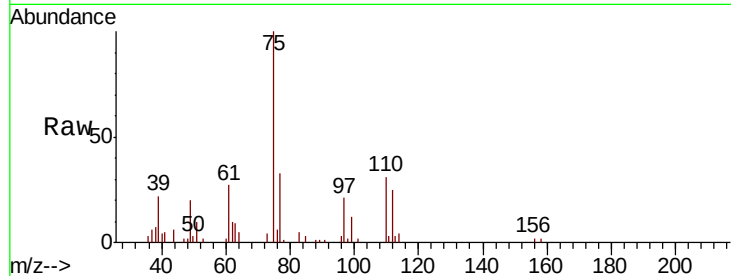
#71
 1,2,3-Trichloropropane
 Concen: 1.87 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	10.0	0.0	0.0#
110	37.8	0.0	74.0
97	20.3	0.0	39.6

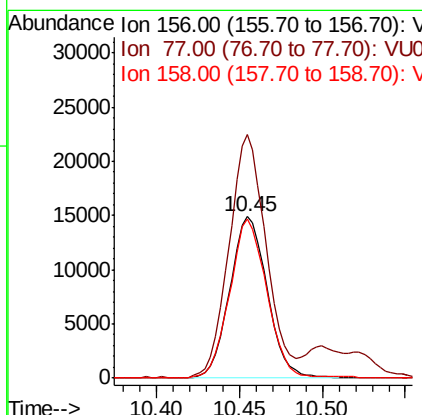
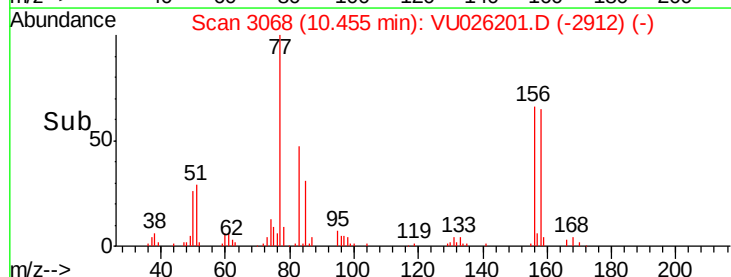
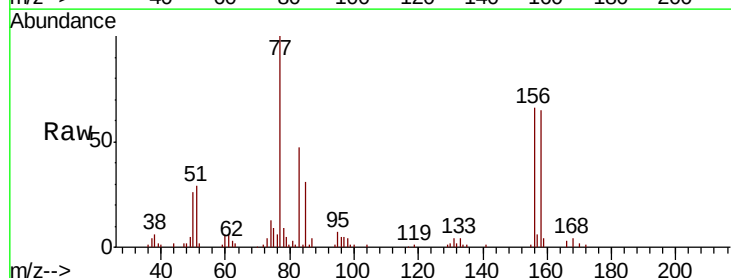
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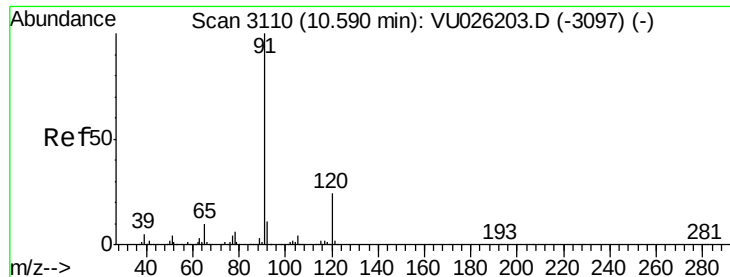
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#72
 Bromobenzene
 Concen: 2.05 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.5	0.0	309.8
158	97.3	0.0	193.0





#73

n-propylbenzene

Concen: 1.87 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 23254

Ion Ratio Lower Upper

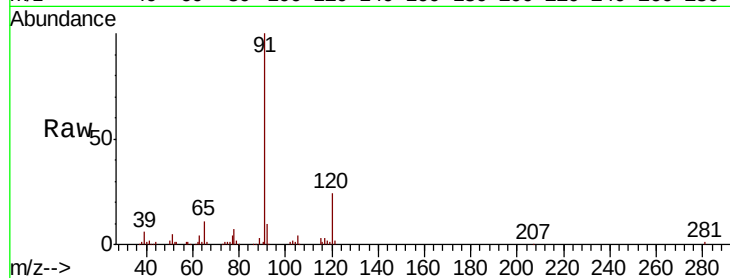
120 100

91 427.9 352.2 528.4

Manual Integrations
APPROVED

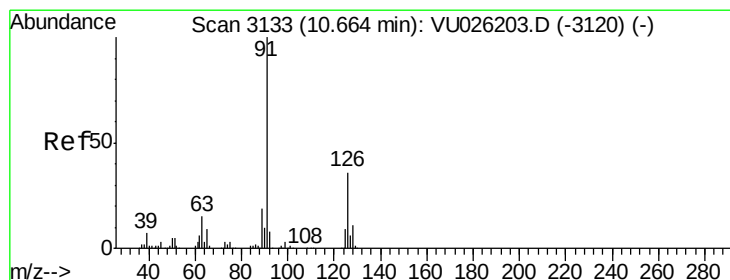
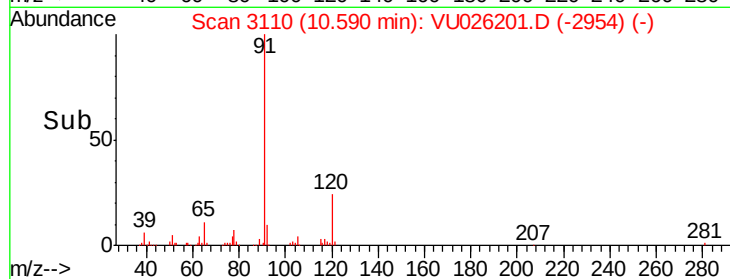
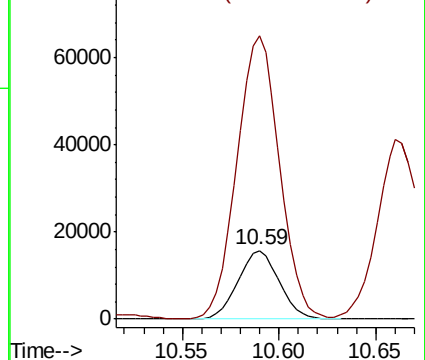
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.04 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026201.D

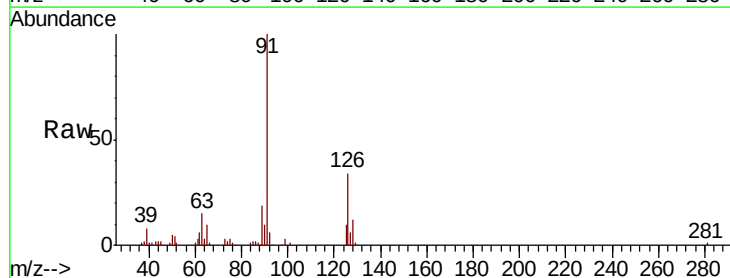
Acq: 20 Aug 2018 12:00

Tgt Ion:126 Resp: 22335

Ion Ratio Lower Upper

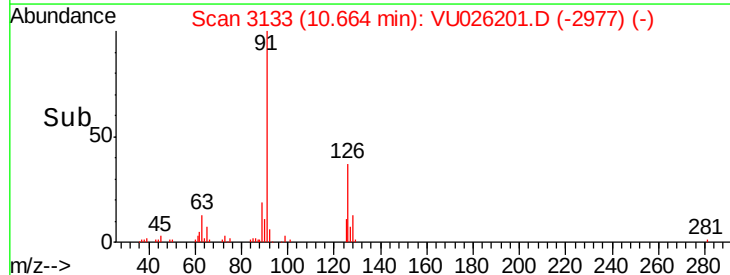
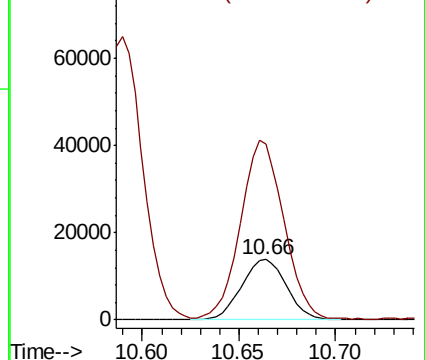
126 100

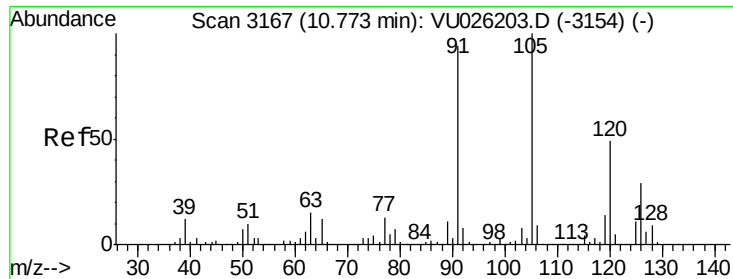
91 284.8 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.85 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion:105 Resp: 71311

Ion Ratio Lower Upper

105 100

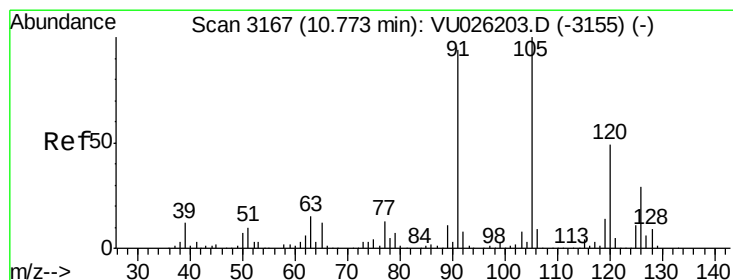
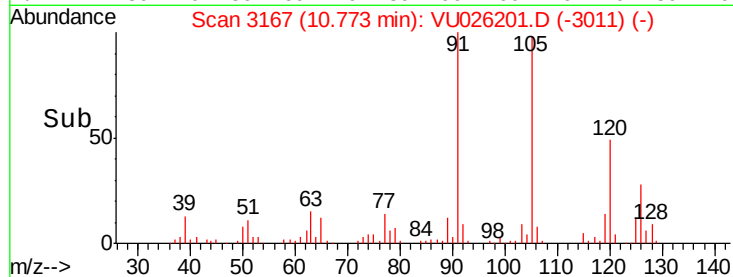
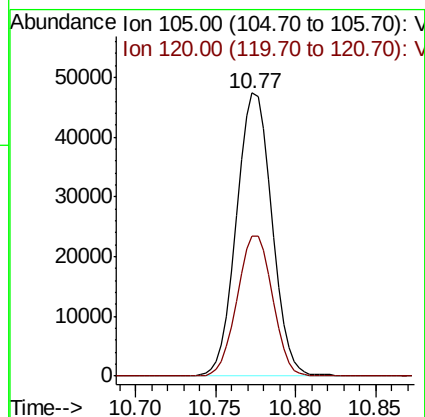
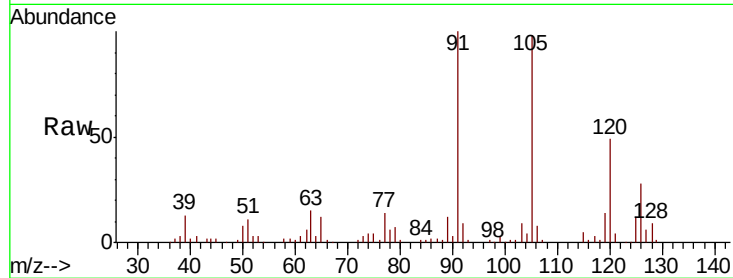
120 49.4 39.0 58.6

Manual Integrations

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#76

4-Chlorotoluene

Concen: 1.98 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU026201.D

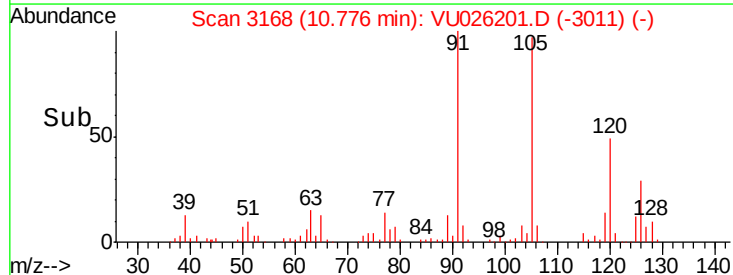
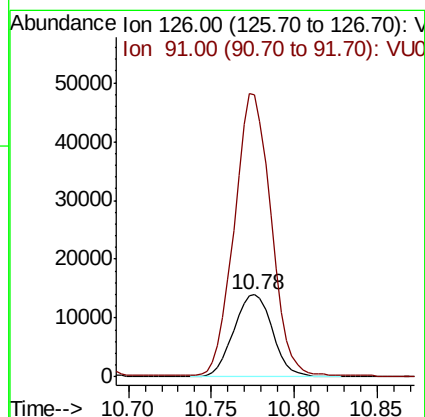
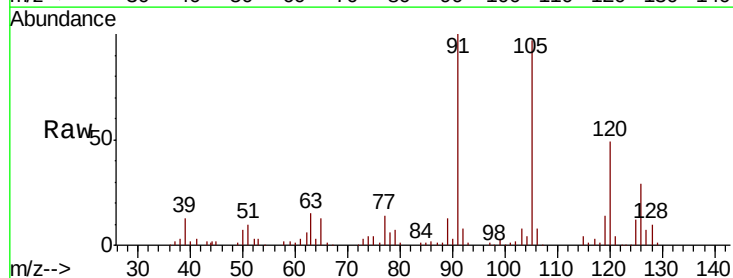
Acq: 20 Aug 2018 12:00

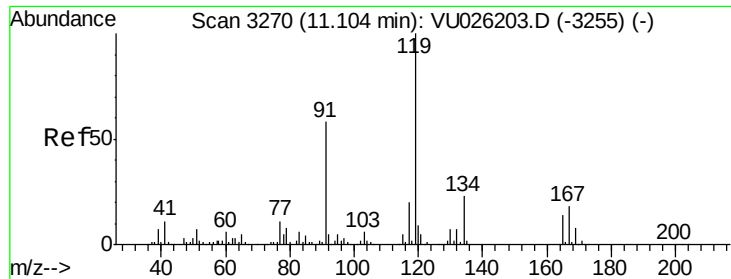
Tgt Ion:126 Resp: 22749

Ion Ratio Lower Upper

126 100

91 324.6 0.0 667.2





#77

tert-Butylbenzene

Concen: 1.88 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

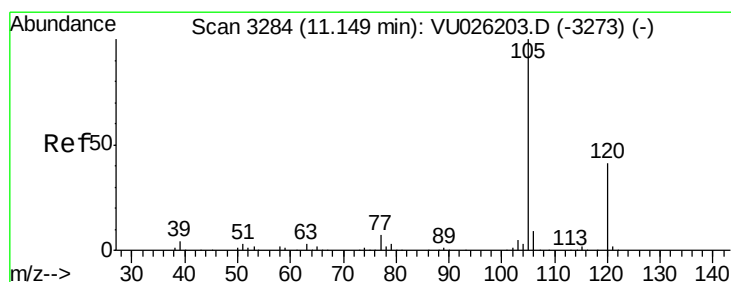
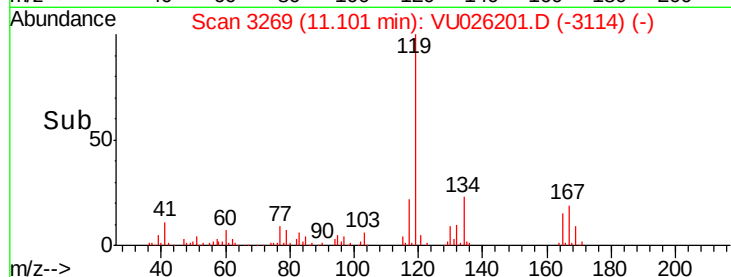
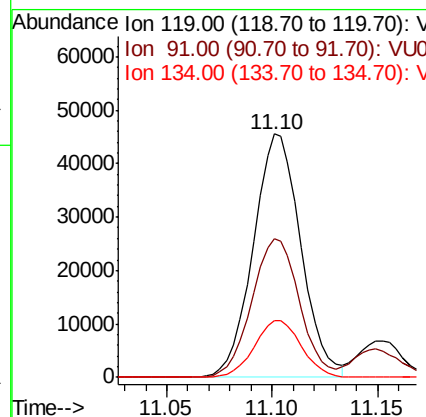
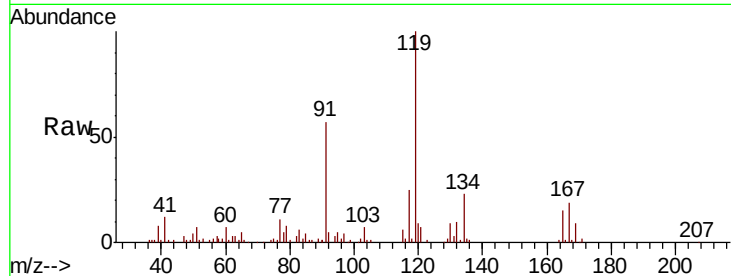
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	71325
Ion Ratio	Lower	Upper	
119	100		
91	57.3	29.6	88.8
134	23.1	19.1	28.7

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#78

1,2,4-Trimethylbenzene

Concen: 1.90 ug/l

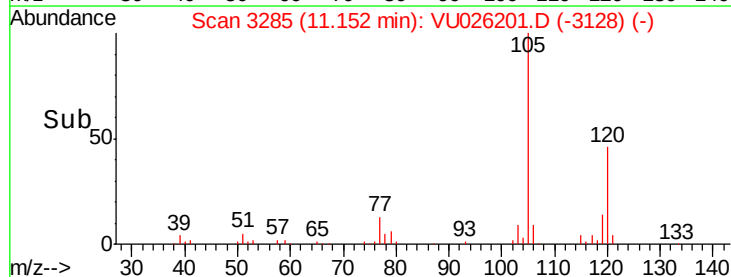
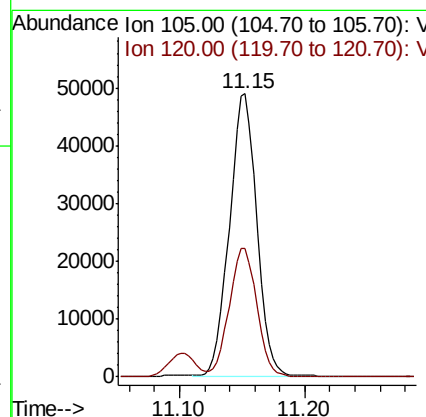
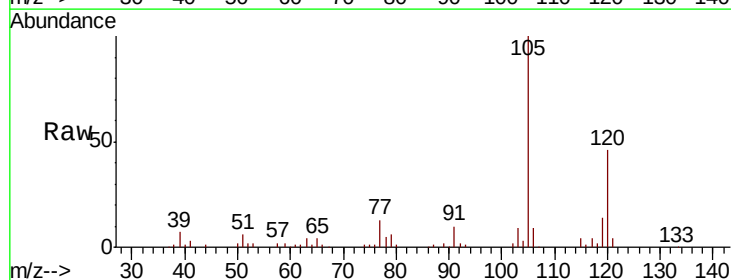
RT: 11.15 min Scan# 3285

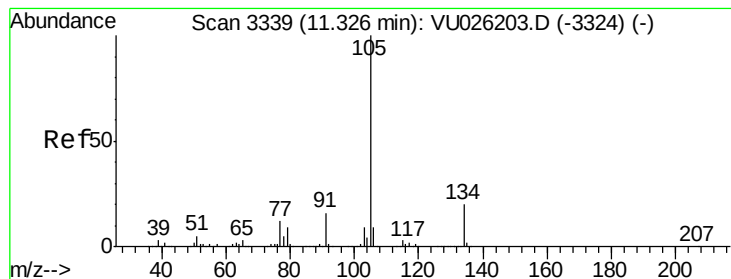
Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Tgt Ion:	105	Resp:	74411
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.1	69.3





#79

sec-Butylbenzene

Concen: 1.91 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 105 Resp: 95399

Ion Ratio Lower Upper

105 100

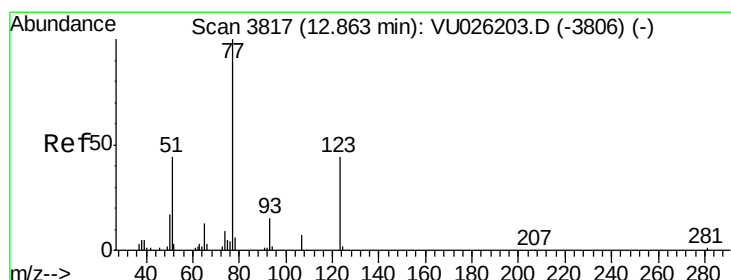
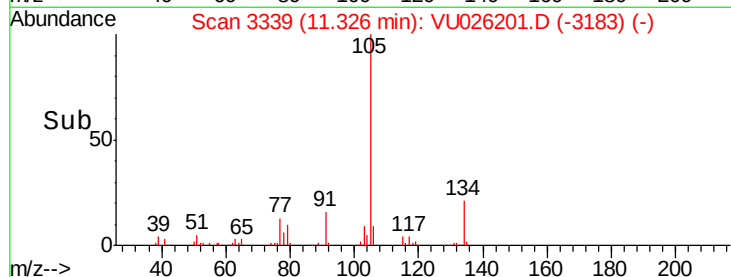
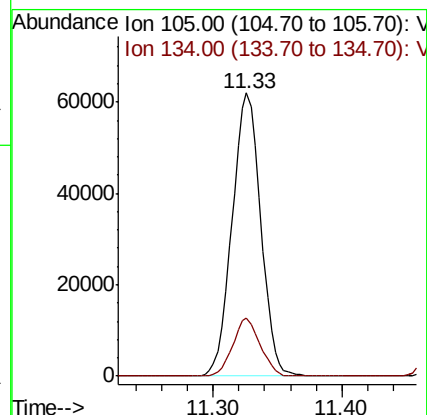
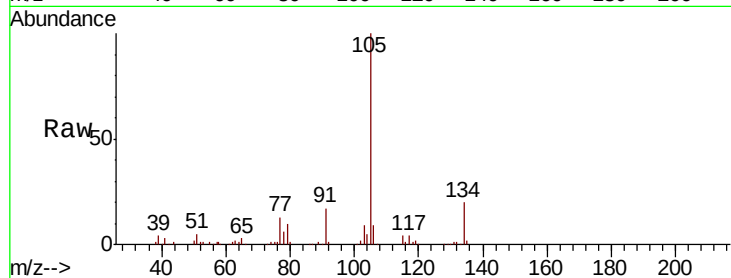
134 19.5 15.6 23.4

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#80

Nitrobenzene

Concen: 14.93 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. 0.00 min

Lab File: VU026201.D

Acq: 20 Aug 2018 12:00

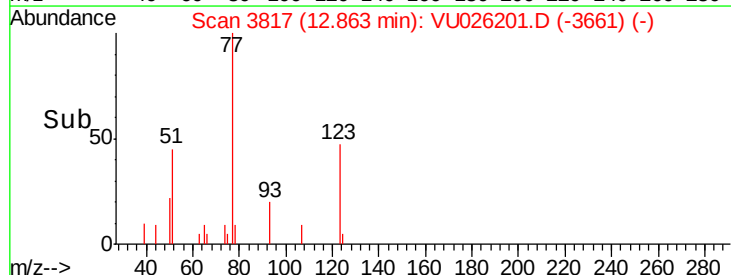
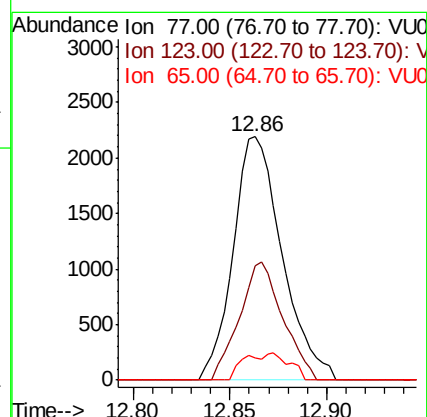
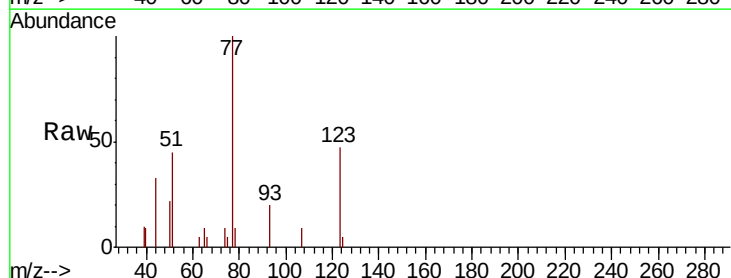
Tgt Ion: 77 Resp: 3860

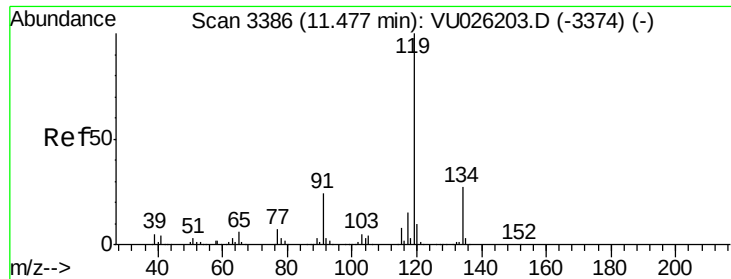
Ion Ratio Lower Upper

77 100

123 42.7 19.4 68.6

65 4.6 11.2 14.2#





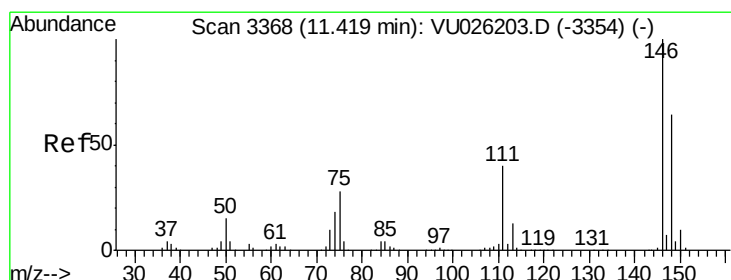
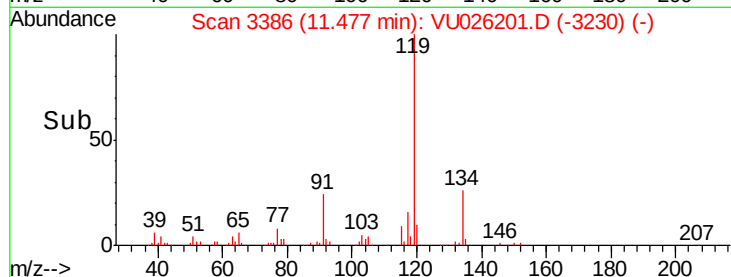
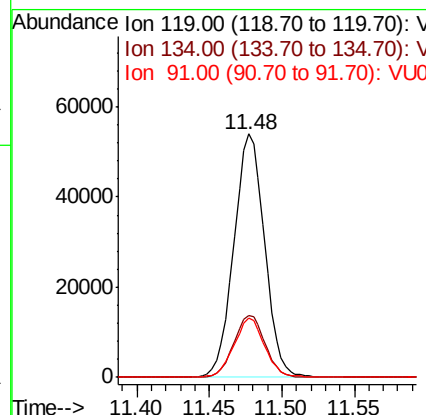
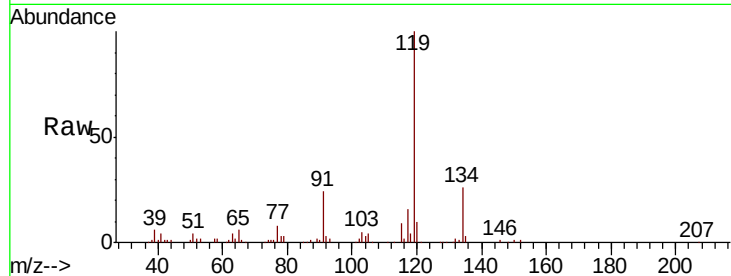
#81
 p-Isopropyltoluene
 Concen: 1.88 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.9	31.3
91	24.3	18.2	27.2

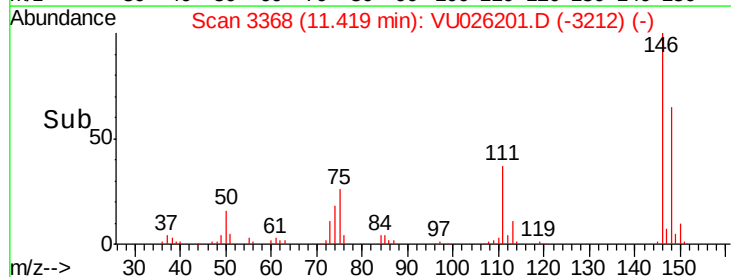
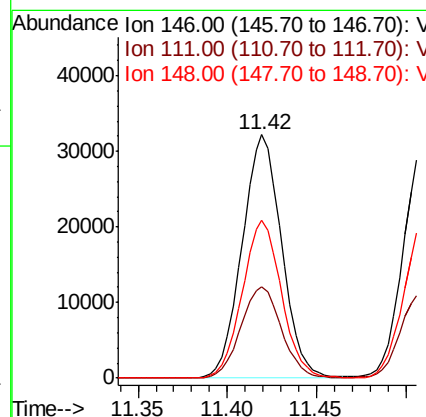
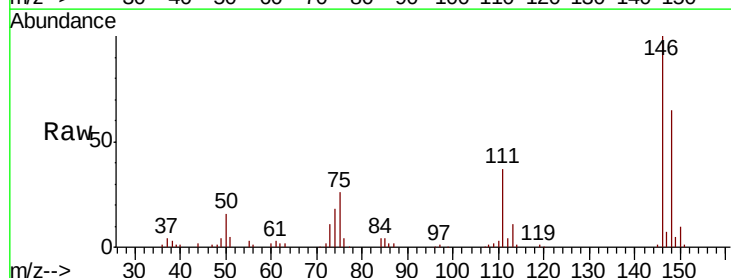
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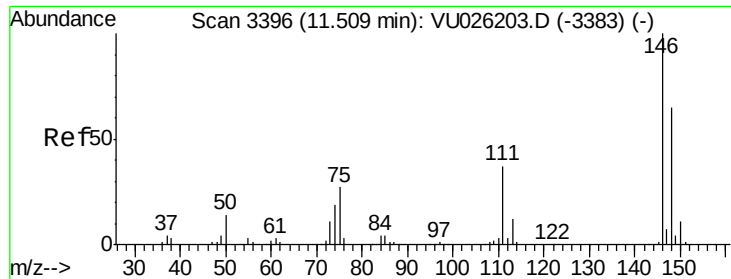
MMDadoda
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#82
 1,3-Dichlorobenzene
 Concen: 2.11 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	31.8	47.6
148	64.5	51.0	76.4





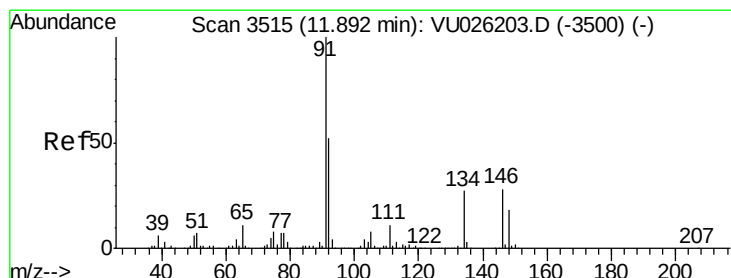
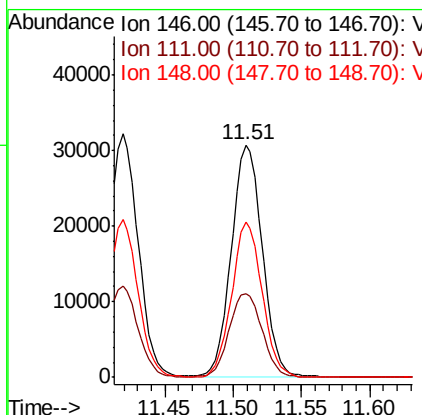
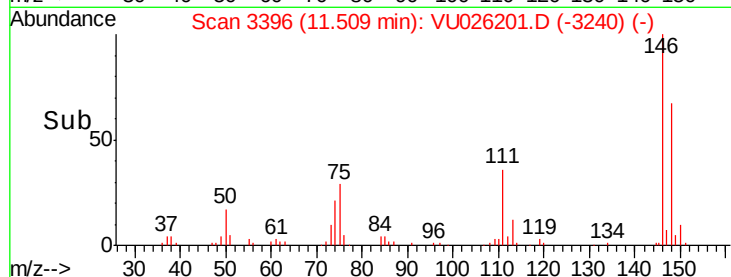
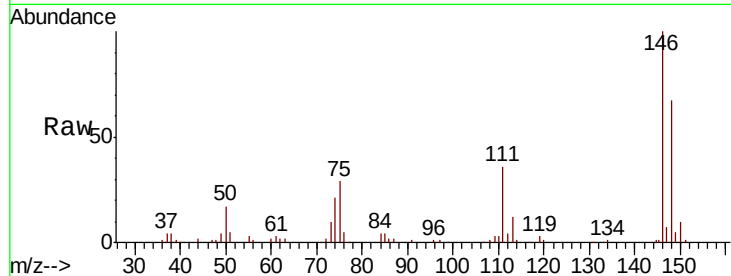
#83
 1,4-Dichlorobenzene
 Concen: 2.13 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	30.1	45.1
148	65.2	50.6	76.0

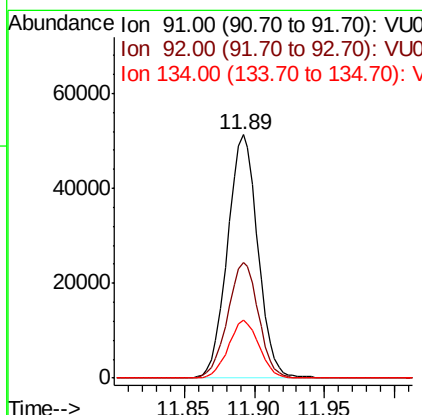
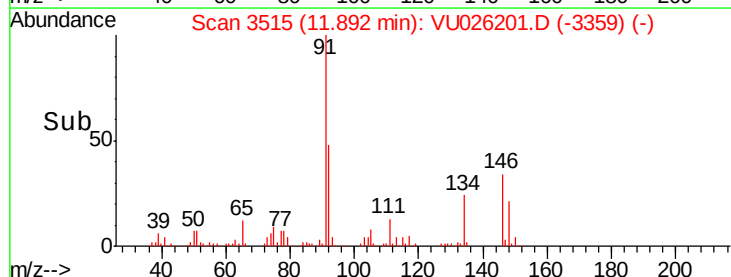
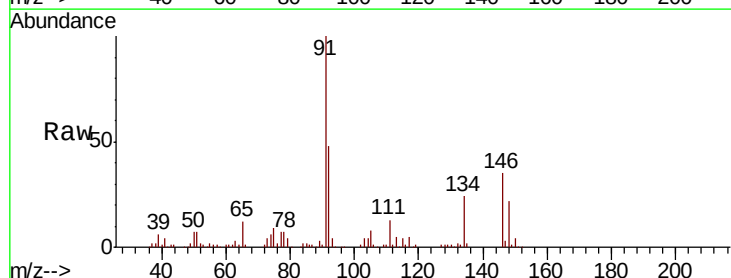
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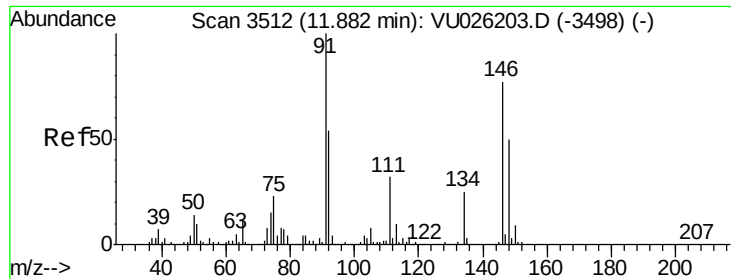
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#84
 n-Butylbenzene
 Concen: 1.95 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.2	42.2	63.2
134	24.0	20.3	30.5





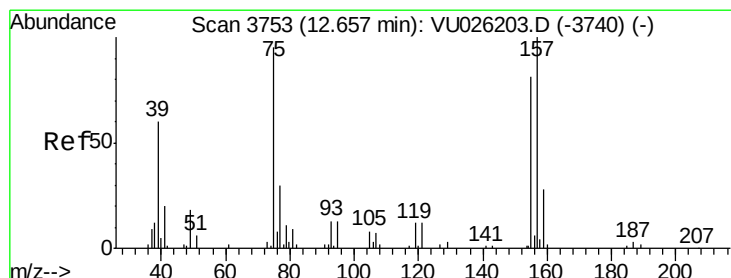
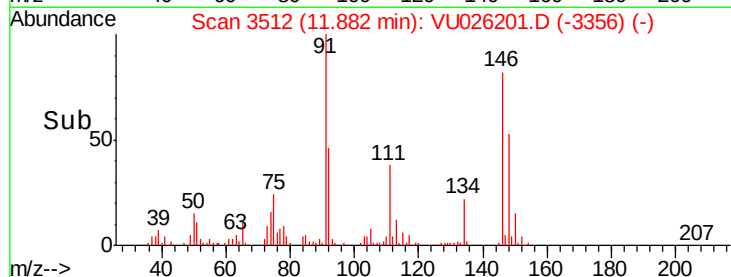
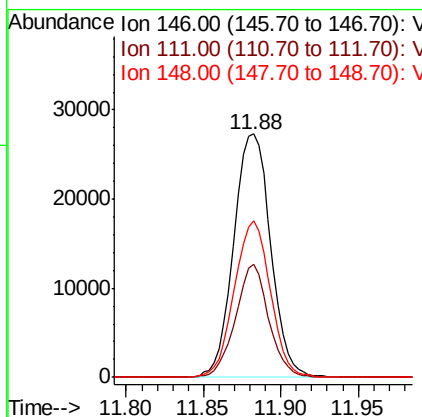
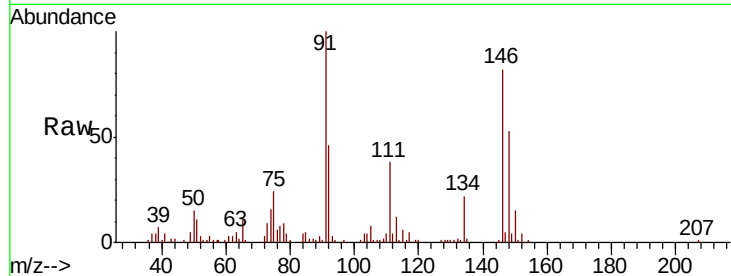
#85
 1,2-Dichlorobenzene
 Concen: 2.11 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	62.7	31.9	95.5

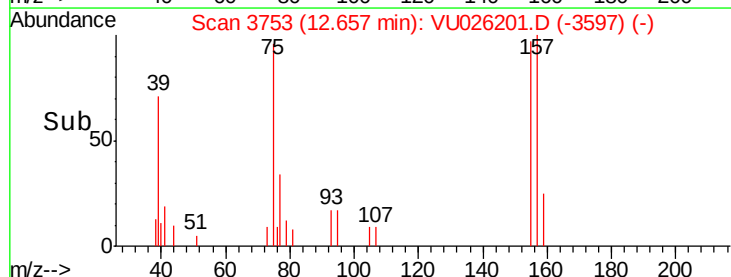
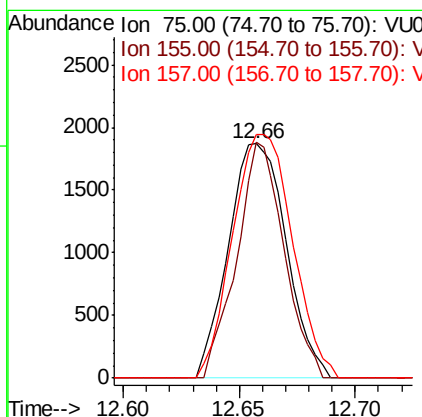
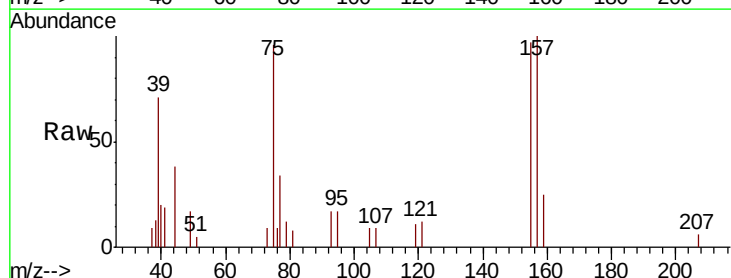
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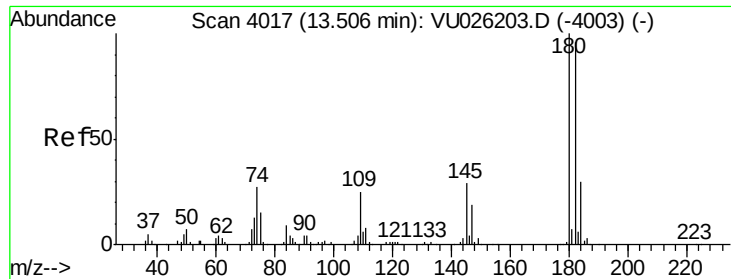
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.31 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	65.8	98.6
157	107.7	83.5	125.3





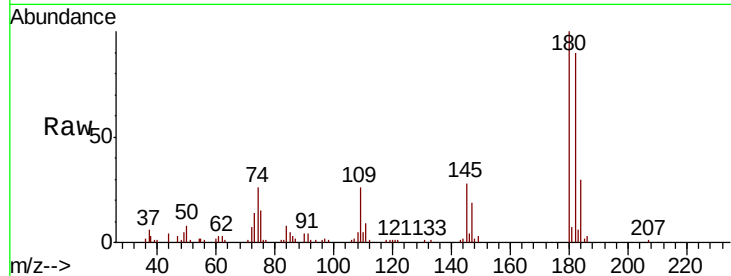
#87
 1,2,4-Trichlorobenzene
 Concen: 2.07 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.7	77.1	115.7	
145	27.8	23.3	34.9	

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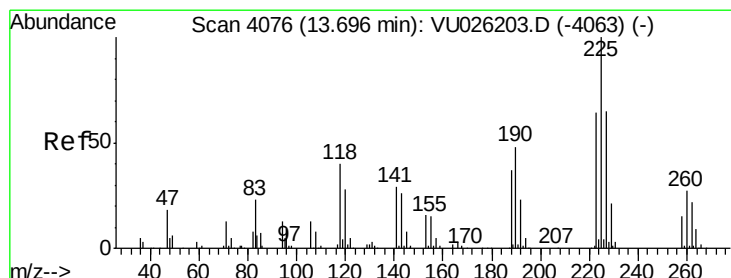
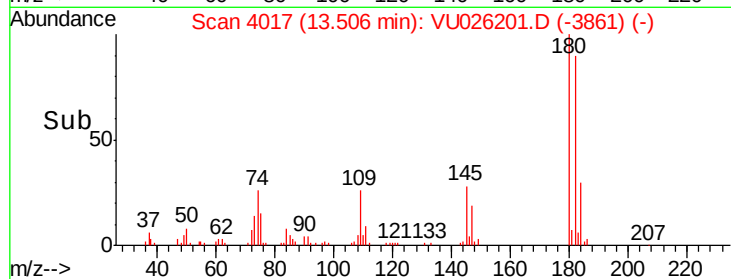
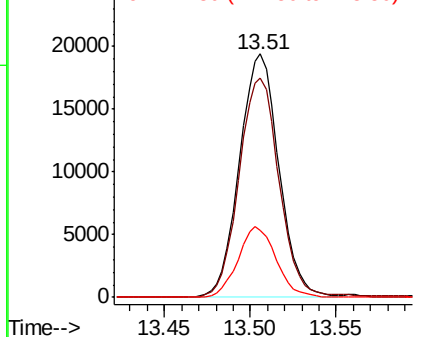


Abundance

Ion 179.70 (179.40 to 180.40): V

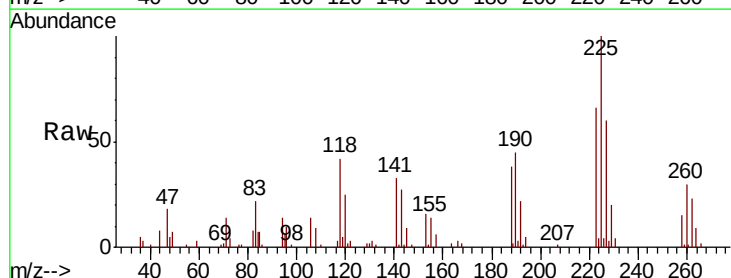
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
 Hexachlorobutadiene
 Concen: 2.08 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU026201.D
 Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.8	50.6	75.8	
227	62.4	51.8	77.6	

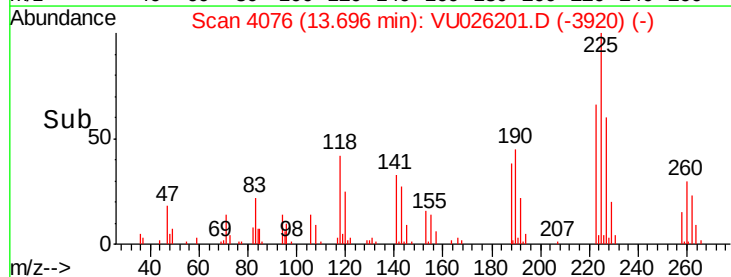
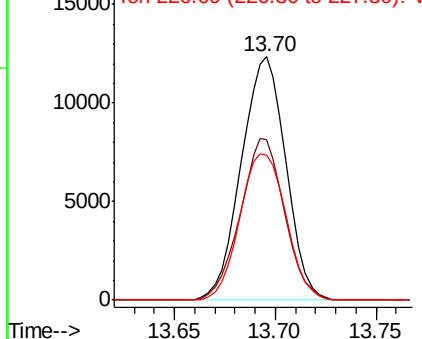


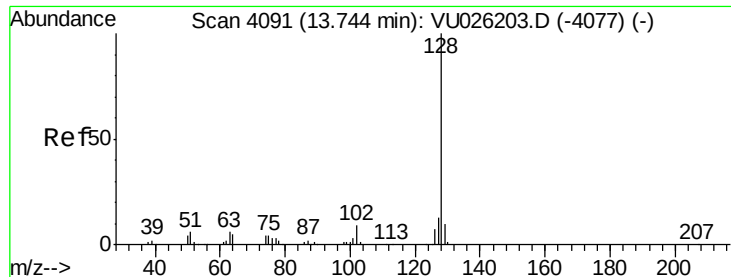
Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





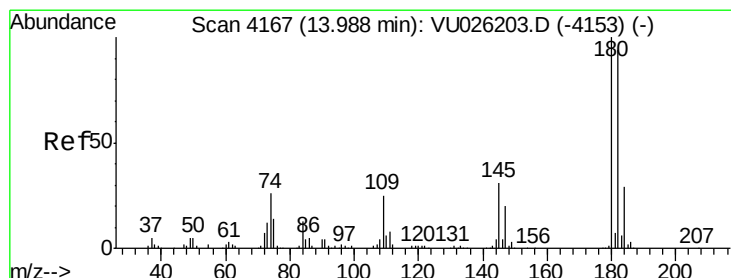
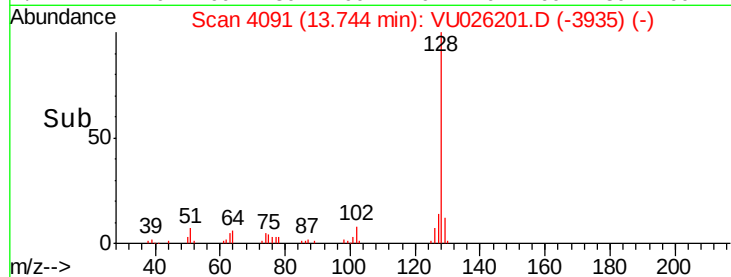
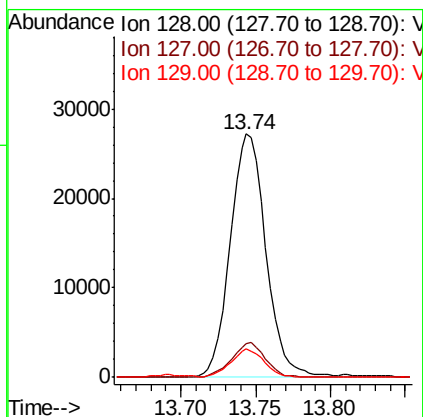
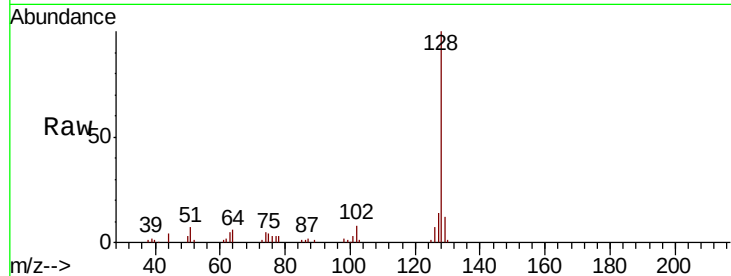
#89
Naphthalene
Concen: 1.86 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 2.08 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026201.D
Acq: 20 Aug 2018 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	30.5	24.6	36.8

