

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026219.D
 Acq On : 20 Aug 2018 19:58
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:38:54 AM

Quant Time: Aug 21 08:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	35431	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	13991	1.10	ug/l	0.00
Spiked Amount	1.000		Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	14684	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	131307	9.53	ug/l	100
3) Chloromethane	1.33	50	109014	9.27	ug/l	100
4) Vinyl Chloride	1.40	62	112079	9.53	ug/l	100
5) Bromomethane	1.63	94	69470	10.74	ug/l	98
6) Chloroethane	1.70	64	65063	9.23	ug/l	98
7) Trichlorofluoromethane	1.89	101	163139	9.39	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	89309	9.27	ug/l	98
9) 1,1-Dichloroethene	2.29	96	75810	9.21	ug/l	97
10) Iodomethane	2.41	142	119138	9.25	ug/l	95
11) Allyl Chloride	2.59	41	131710	9.52	ug/l	87
12) Acrylonitrile	2.94	53	34662	18.58	ug/l	96
13) Acetone	2.32	43	71407	49.64	ug/l	96
14) Carbon Disulfide	2.48	76	265828	9.35	ug/l	100
15) Methylene Chloride	2.70	84	87382	10.15	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	87500	9.19	ug/l	96
17) 1,1-Dichloroethane	3.45	63	165071	9.48	ug/l	99
18) 2-Butanone	4.28	43	129163	48.37	ug/l	97
19) Cyclohexane	5.00	56	131778	10.29	ug/l	85
20) Methylcyclohexane	6.42	83	158074	10.54	ug/l	96
21) 2,2-Dichloropropane	4.23	77	161109	9.00	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	110343	9.55	ug/l	92
23) Diethyl Ether	2.10	59	58225	9.24	ug/l	97
24) tert-Butyl Alcohol	2.83	59	58419	90.60	ug/l #	79
25) Methyl tert-Butyl Ether	3.00	73	204577	9.54	ug/l	97
26) Bromochloromethane	4.55	128	51535	9.98	ug/l	81
27) Chloroform	4.68	83	191203	9.49	ug/l	99
28) 1,1,1-Trichloroethane	4.92	97	173433	9.69	ug/l	98
29) 1,1-Dichloropropene	5.14	75	143162	10.13	ug/l	98
30) Carbon Tetrachloride	5.14	117	162204	9.60	ug/l	99
31) Isopropyl Ether	3.58	45	276457	9.63	ug/l	92
32) Ethyl-t-butyl ether	4.08	59	249777	9.94	ug/l	93
33) Tert-Amyl methyl ether	5.59	73	223893	10.43	ug/l	98
34) Propionitrile	4.34	54	38125	50.13	ug/l #	92
35) Benzene	5.39	78	401903	9.84	ug/l	100
36) 1,2-Dichloroethane	5.41	62	122396	9.67	ug/l	98
37) Trichloroethene	6.19	130	108366	9.43	ug/l	98
38) 1,2-Dichloropropane	6.44	63	105182	9.95	ug/l	99
39) Methacrylonitrile	4.55	41	32374	10.09	ug/l	92
40) Methyl acrylate	4.43	55	50291	10.33	ug/l #	95
41) Tetrahydrofuran	4.65	42	31367	17.57	ug/l	93
42) 1-Chlorobutane	5.07	56	196217	10.27	ug/l	100

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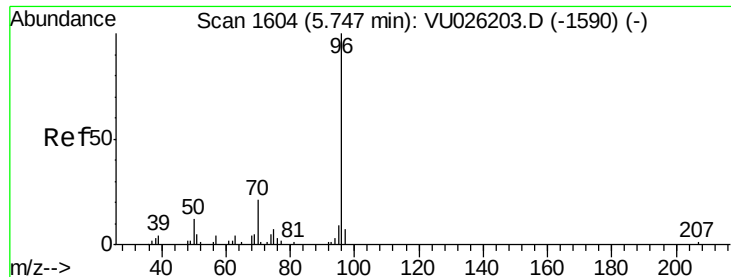
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	53977	9.61	ug/l	97
44) Bromodichloromethane	6.76	83	140975	9.72	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	299503	52.59	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	54731m	19.06	ug/l	
47) Methyl methacrylate	6.63	69	93259	21.73	ug/l	95
48) Ethyl methacrylate	8.02	69	88235	11.23	ug/l	98
49) Toluene	7.64	92	246435	10.57	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	126239	10.20	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	143952	10.03	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	75064	9.85	ug/l	99
53) 1,3-Dichloropropane	8.25	76	126767	10.01	ug/l	100
54) 2-Hexanone	8.37	43	212807	52.49	ug/l	99
55) Dibromochloromethane	8.48	129	97714	9.59	ug/l	96
56) 1,2-Dibromoethane	8.59	107	70888	9.56	ug/l	99
58) Tetrachloroethene	8.23	164	106631	9.82	ug/l	98
59) Chlorobenzene	9.12	112	275881	10.22	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	107821	10.01	ug/l	98
61) Pentachloroethane	11.10	117	88503	9.63	ug/l	99
62) Hexachloroethane	12.15	117	93644	10.22	ug/l	94
63) Ethyl Benzene	9.25	91	472614	11.03	ug/l	98
64) m/p-Xylenes	9.38	106	390249	22.82	ug/l	96
65) o-Xylene	9.78	106	178229	10.93	ug/l	99
66) Styrene	9.79	104	319324	11.44	ug/l	100
67) Bromoform	9.96	173	59440	9.91	ug/l #	98
69) Isopropylbenzene	10.17	105	478638	11.10	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	95236	9.96	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	69488m	10.15	ug/l	
72) Bromobenzene	10.45	156	123571	10.24	ug/l	94
73) n-propylbenzene	10.59	120	142643	11.31	ug/l	94
74) 2-Chlorotoluene	10.66	126	124202	10.92	ug/l	89
75) 1,3,5-Trimethylbenzene	10.77	105	440494	11.50	ug/l	100
76) 4-Chlorotoluene	10.77	126	129913	11.11	ug/l	96
77) tert-Butylbenzene	11.10	119	414904	10.87	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	454468	11.46	ug/l	100
79) sec-Butylbenzene	11.33	105	559759	11.19	ug/l	98
80) Nitrobenzene	12.86	77	20508	49.10	ug/l	98
81) p-Isopropyltoluene	11.48	119	488937	11.56	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	263131	10.35	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	261694	10.31	ug/l	99
84) n-Butylbenzene	11.89	91	464961	11.36	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	237670	10.19	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	17104	10.17	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	165456	10.08	ug/l	99
88) Hexachlorobutadiene	13.69	225	100791	10.04	ug/l	98
89) Naphthalene	13.74	128	279737	10.82	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	161022	10.42	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

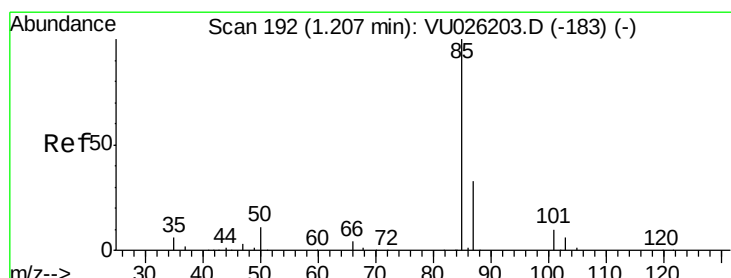
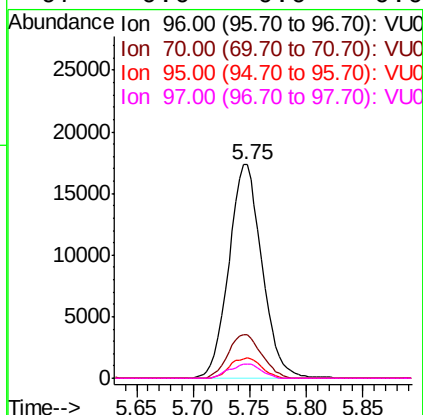
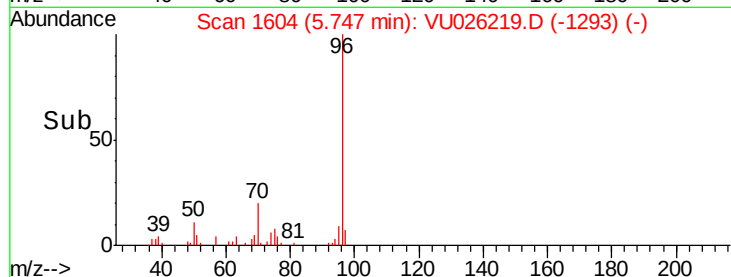
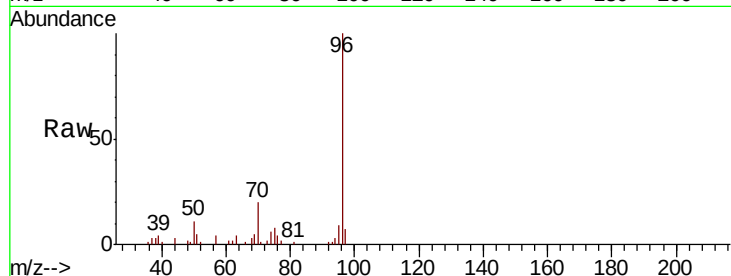
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	20.7	16.2	24.4	
95	9.0	6.9	10.3	
97	0.0	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 9.53 ug/l

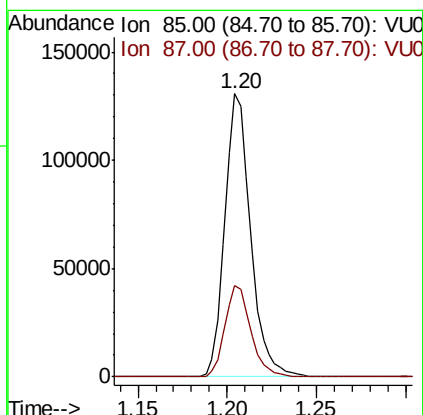
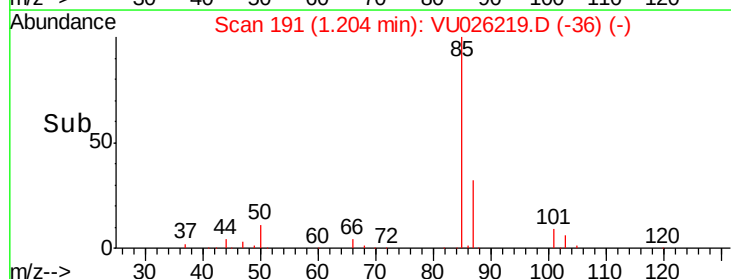
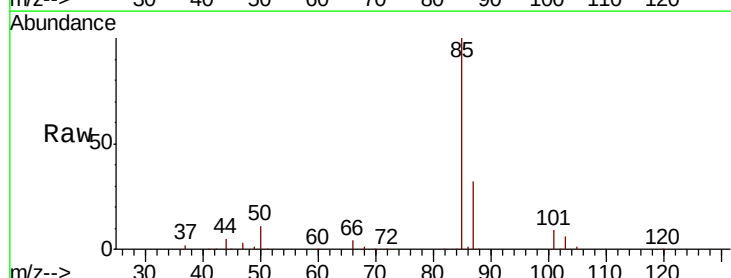
RT: 1.20 min Scan# 191

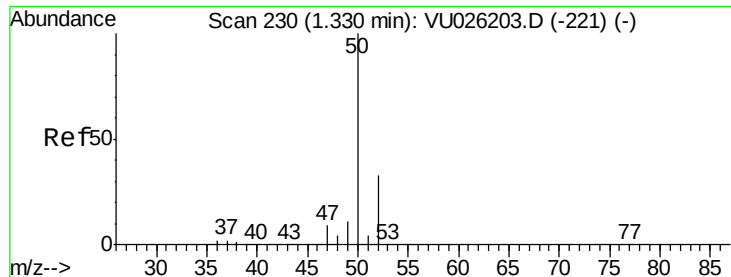
Delta R.T. -0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.3	16.2	48.5	





#3

Chloromethane

Concen: 9.27 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 109014

Ion Ratio Lower Upper

50 100

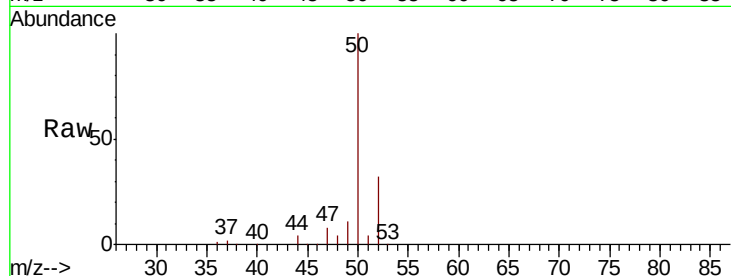
52 32.5 26.0 39.0

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

120000

100000

80000

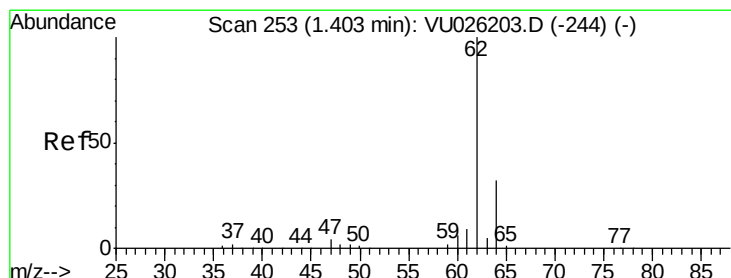
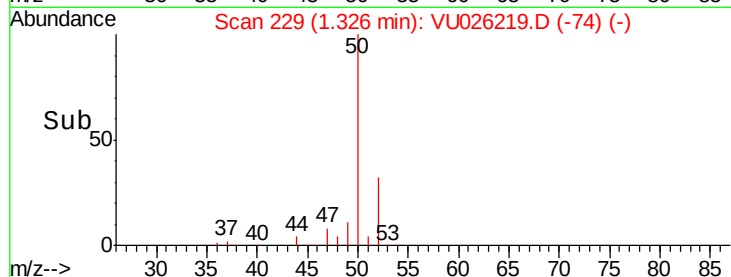
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 9.53 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026219.D

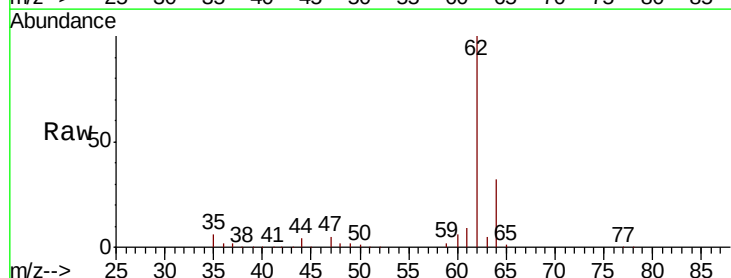
Acq: 20 Aug 2018 19:58

Tgt Ion: 62 Resp: 112079

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

120000

100000

80000

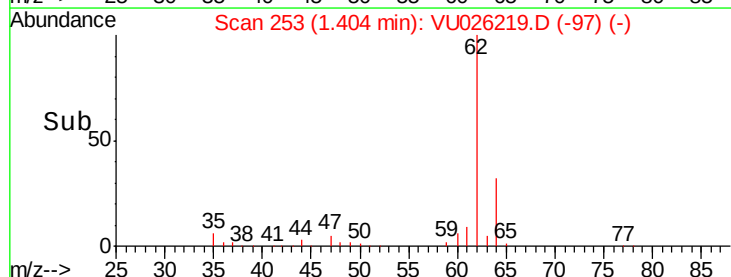
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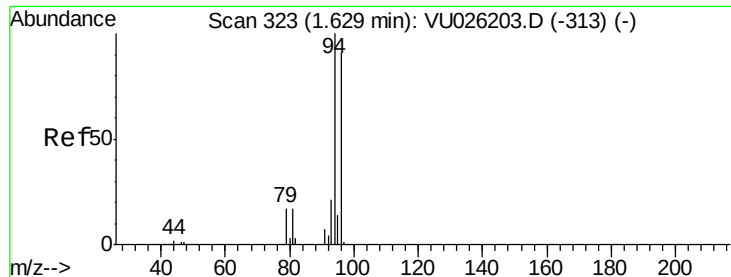
40000

20000

0

Time-->





#5

Bromomethane

Concen: 10.74 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 69470

Ion Ratio Lower Upper

94 100

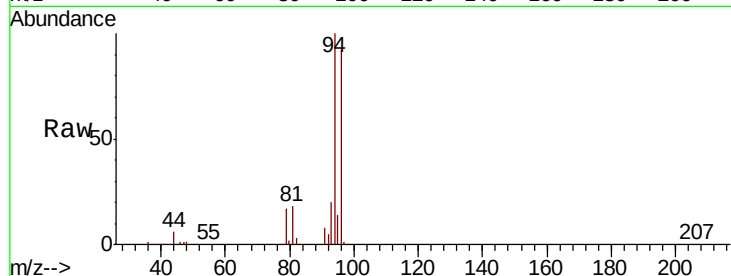
96 92.3 75.1 112.7

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

60000

50000

40000

30000

20000

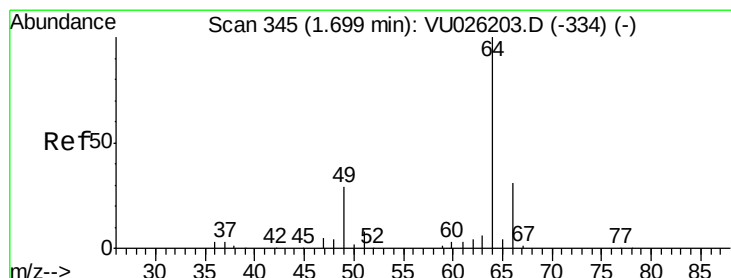
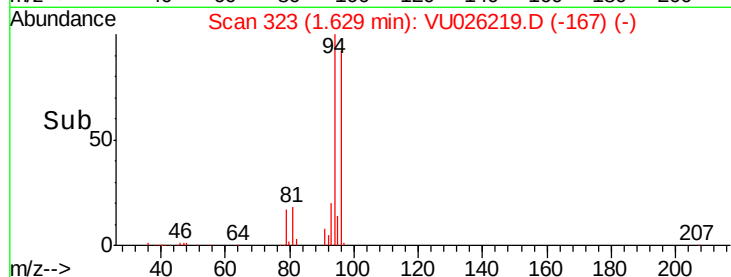
10000

0

1.63

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 9.23 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026219.D

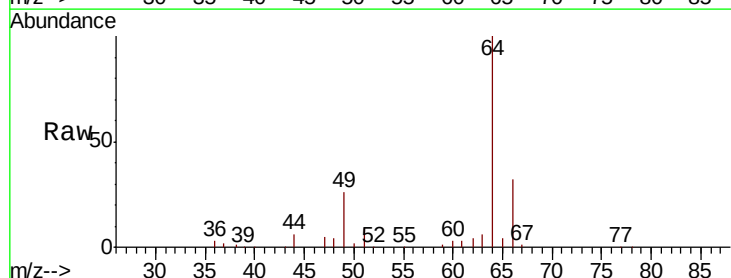
Acq: 20 Aug 2018 19:58

Tgt Ion: 64 Resp: 65063

Ion Ratio Lower Upper

64 100

66 32.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

60000

50000

40000

30000

20000

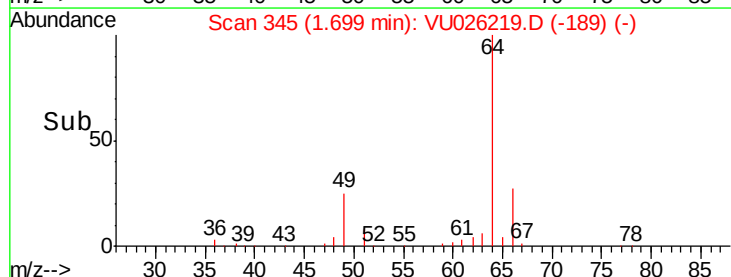
10000

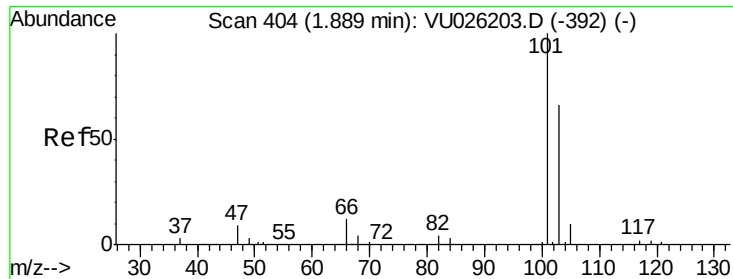
0

1.70

1.65 1.75 1.80

Time-->





#7

Trichlorofluoromethane

Concen: 9.39 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 163139

Ion Ratio Lower Upper

101 100

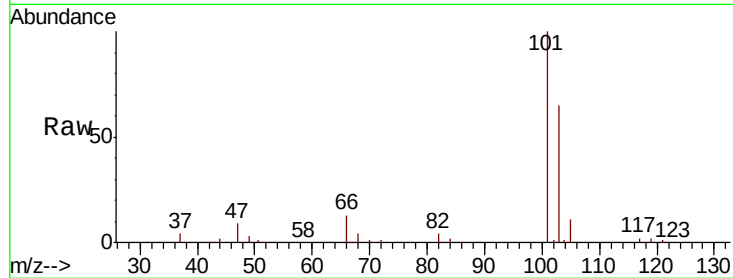
103 64.7 51.4 77.0

Manual Integrations

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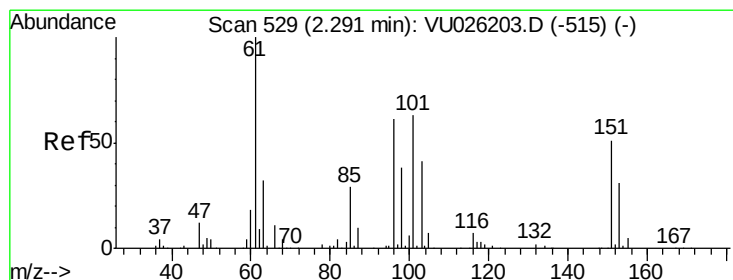
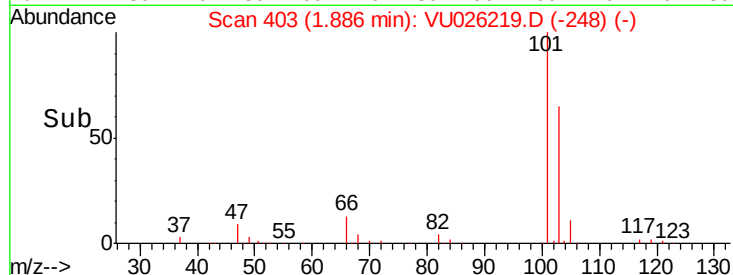
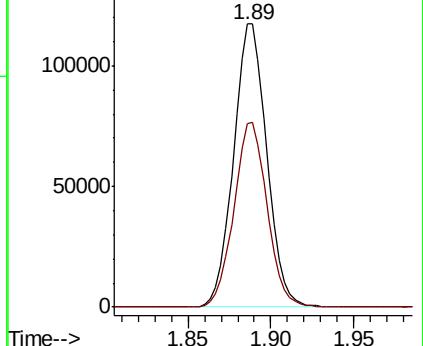
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.27 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

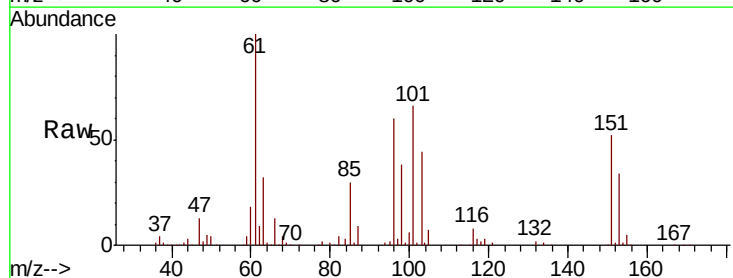
Tgt Ion:101 Resp: 89309

Ion Ratio Lower Upper

101 100

85 45.7 35.2 52.8

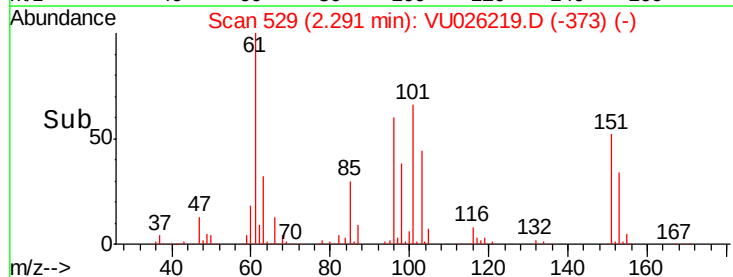
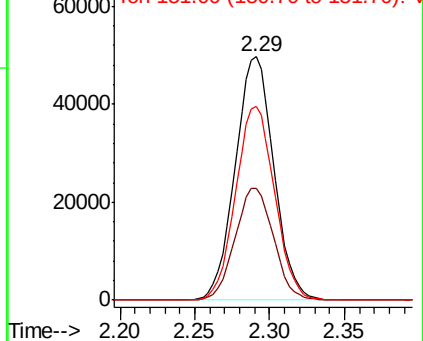
151 80.4 63.5 95.3

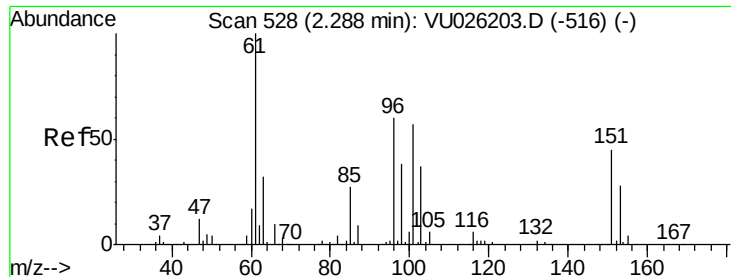


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.21 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

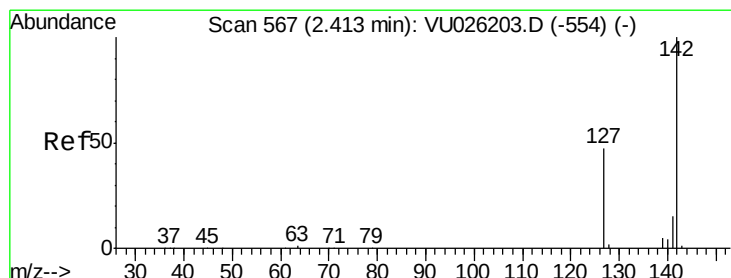
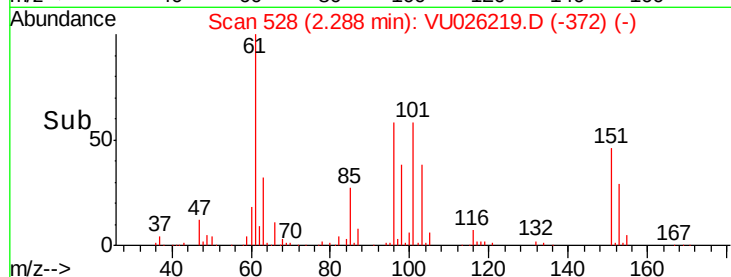
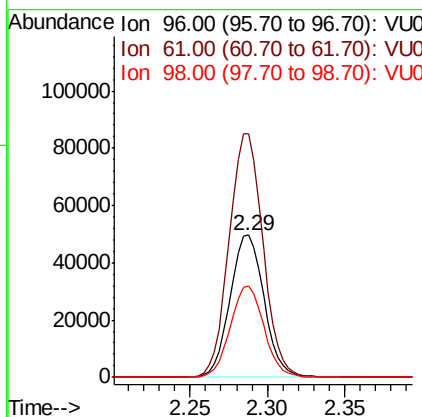
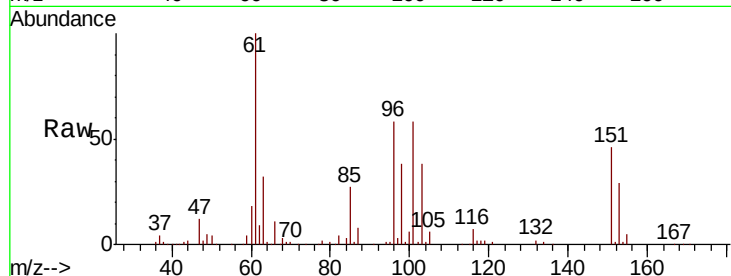
VSTDCCC010EC

Tot Ion:	96	Resp:	75810
Ion	Ratio	Lower	Upper
96	100		
61	171.4	0.0	526.5
98	64.4	0.0	123.4

Manual Integrations
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#10

Iodomethane

Concen: 9.25 ug/l

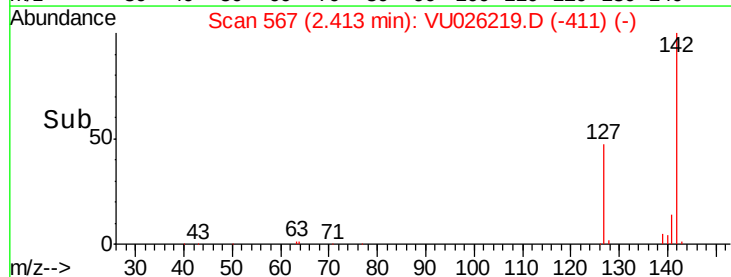
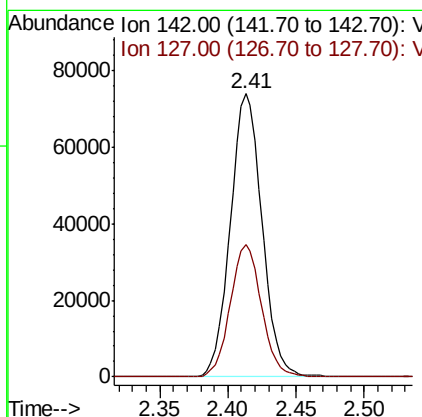
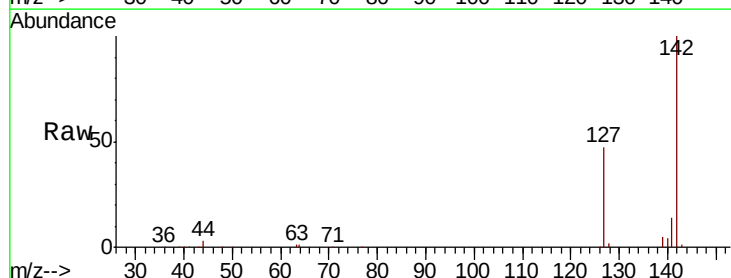
RT: 2.41 min Scan# 567

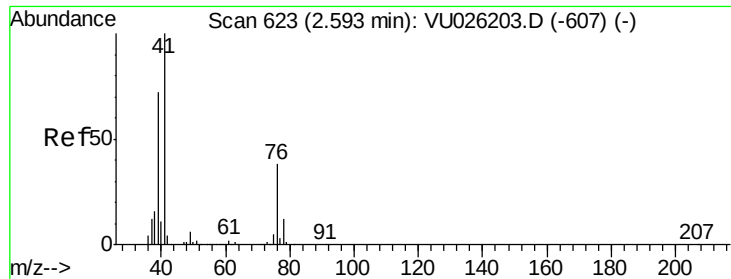
Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Tgt Ion:	142	Resp:	119138
Ion	Ratio	Lower	Upper
142	100		
127	46.3	34.5	51.7





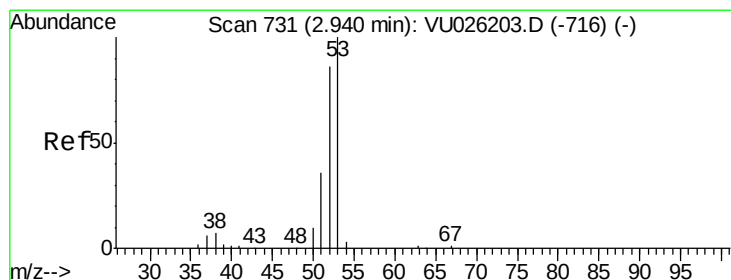
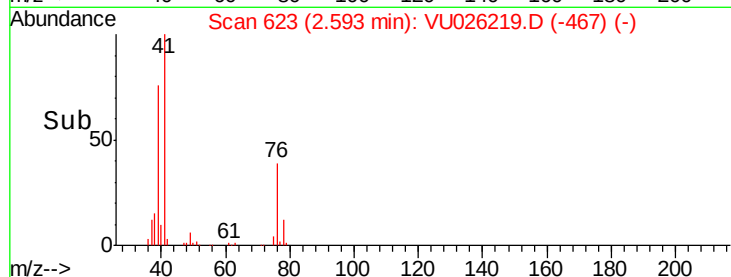
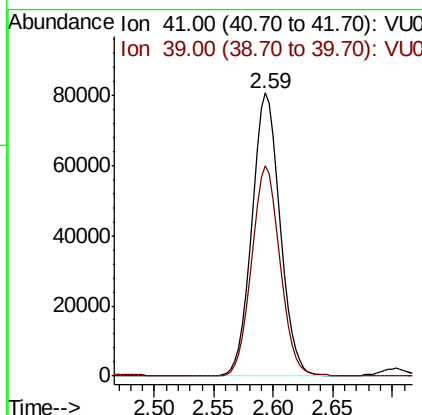
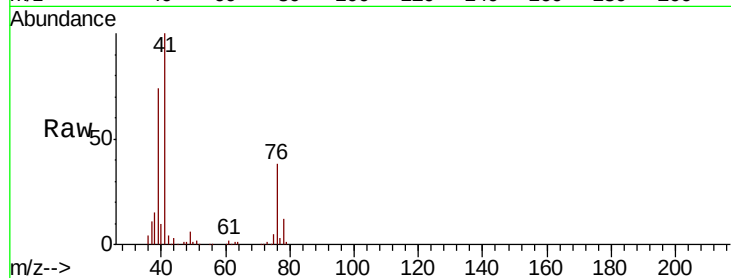
#11
 Allvl Chloride
 Concen: 9.52 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.6	51.4	77.2

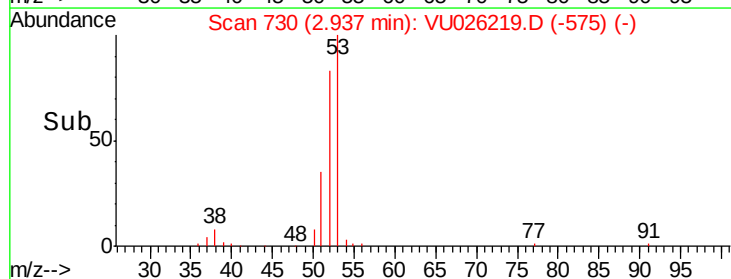
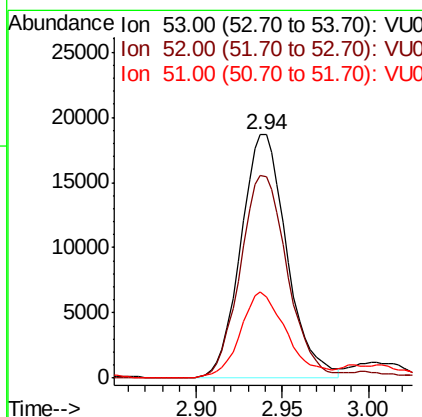
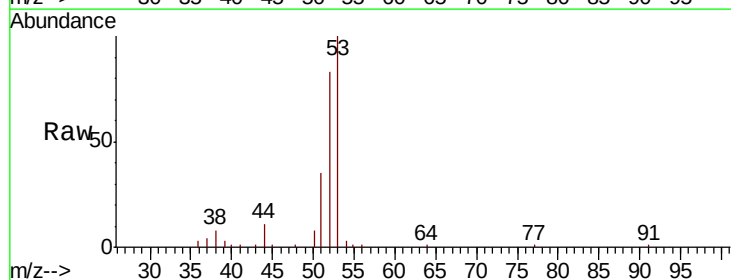
Manual Integrations
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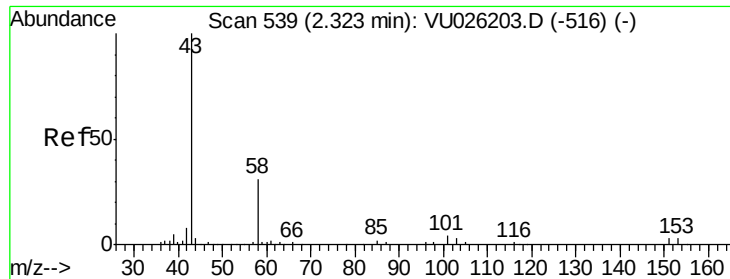
MMDadoda
 8/21/2018 11:38:54 AM



#12
 Acrylonitrile
 Concen: 18.58 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.1	65.1	97.7
51	36.0	30.2	45.4





#13

Acetone

Concen: 49.64 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 71407

Ion Ratio Lower Upper

43 100

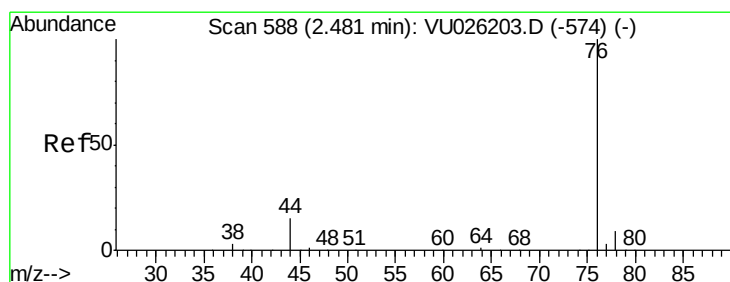
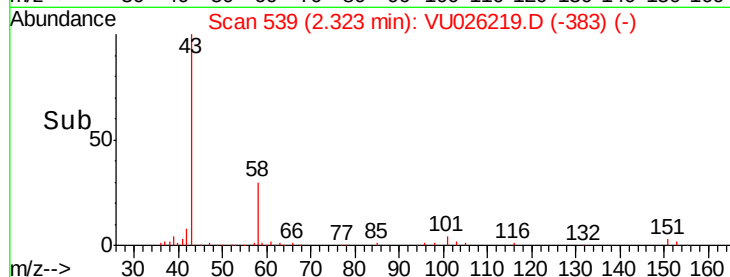
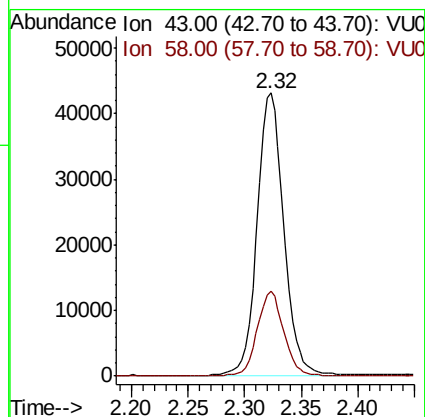
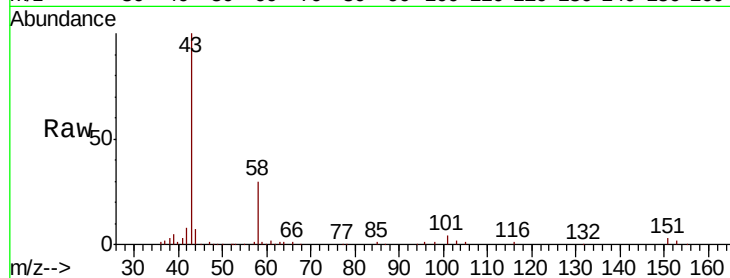
58 30.1 26.0 39.0

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#14

Carbon Disulfide

Concen: 9.35 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026219.D

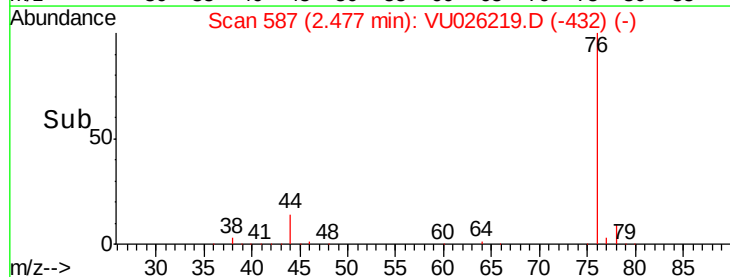
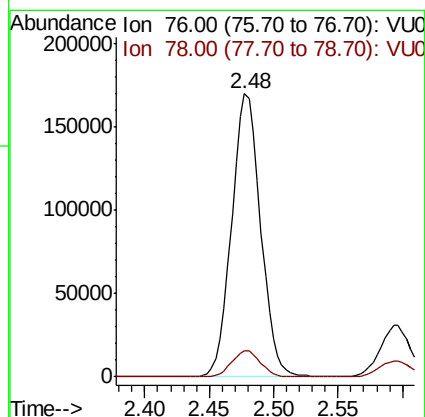
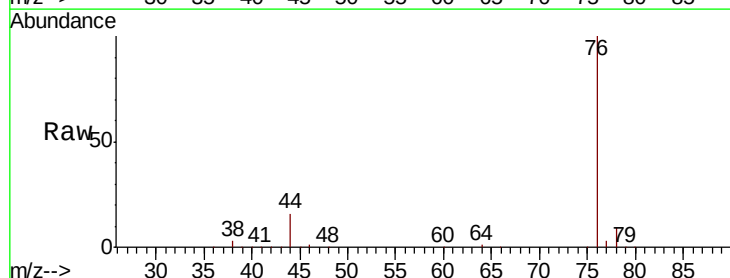
Acq: 20 Aug 2018 19:58

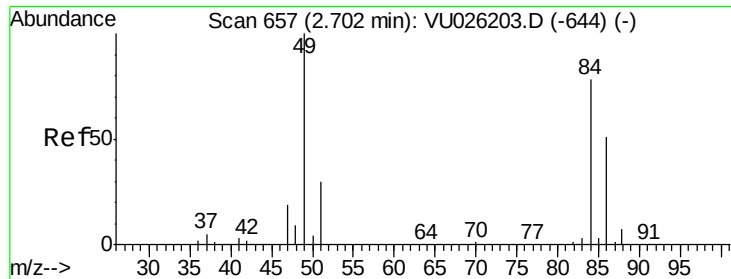
Tgt Ion: 76 Resp: 265828

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





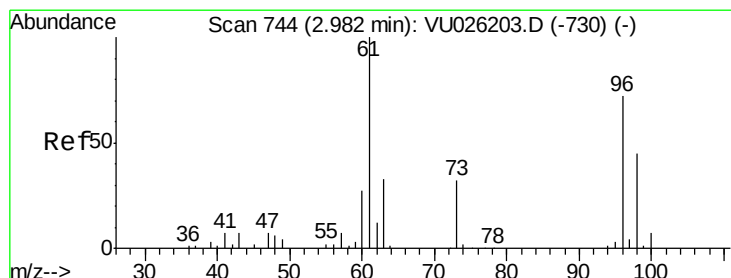
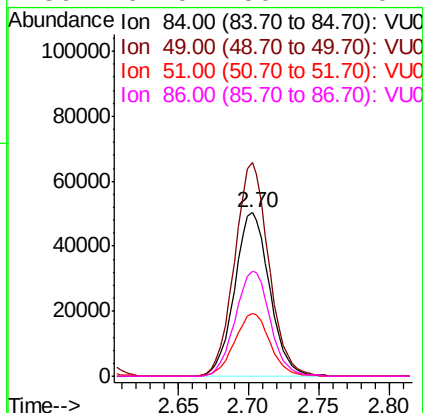
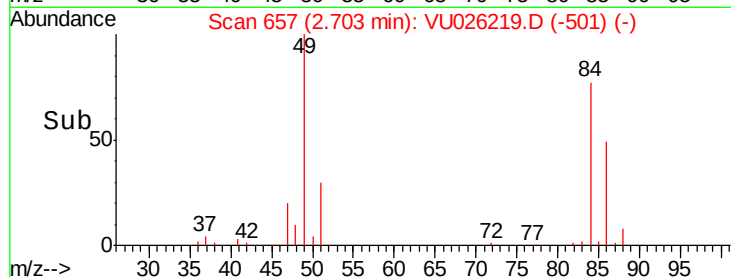
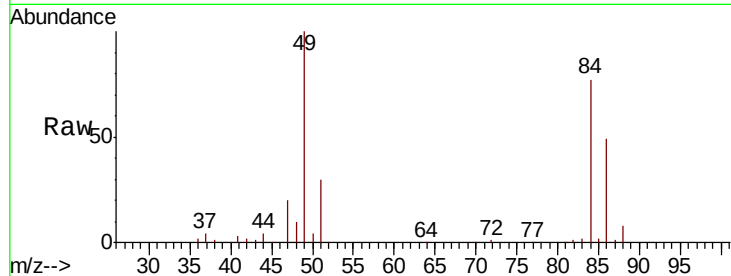
#15
Methylene Chloride
Concen: 10.15 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	84	Resp:	87382
Ion	Ratio	Lower	Upper
84	100		
49	130.6	108.7	163.1
51	38.6	0.0	82.4
86	64.0	50.7	76.1

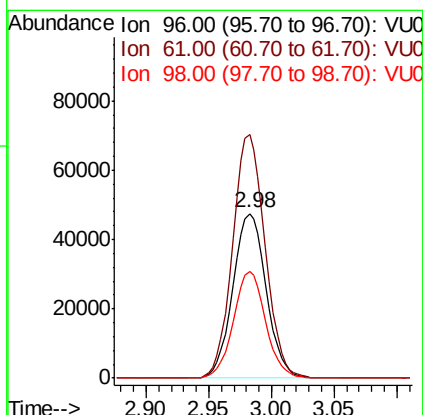
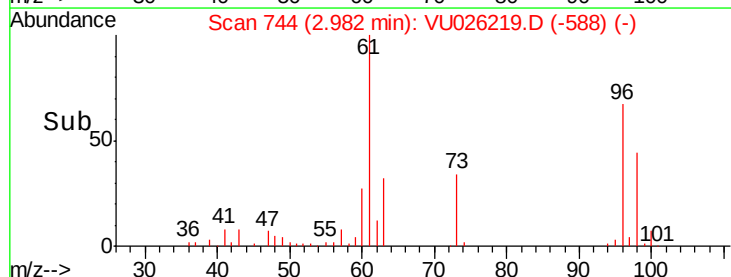
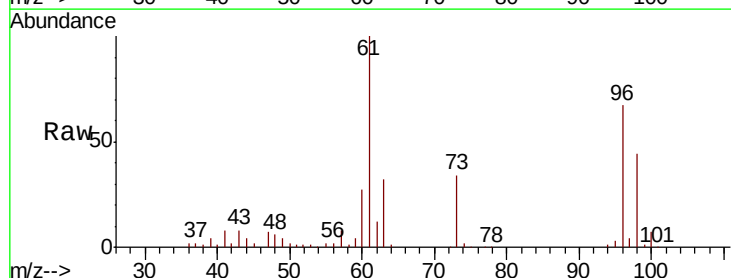
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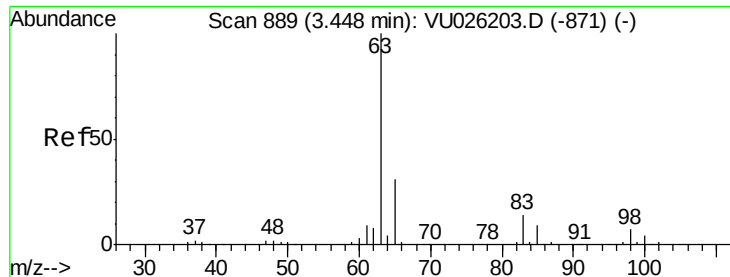
MMDadoda
8/21/2018 11:38:54 AM



#16
trans-1,2-Dichloroethene
Concen: 9.19 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion:	96	Resp:	87500
Ion	Ratio	Lower	Upper
96	100		
61	148.2	123.9	185.9
98	64.9	50.6	76.0





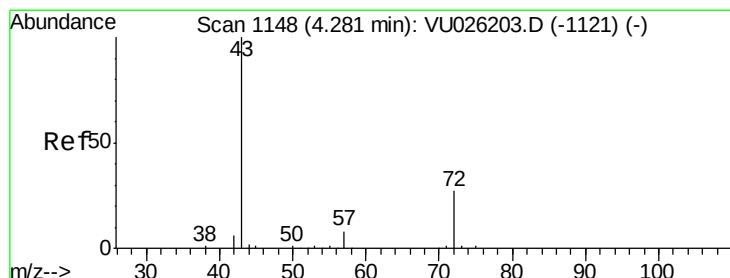
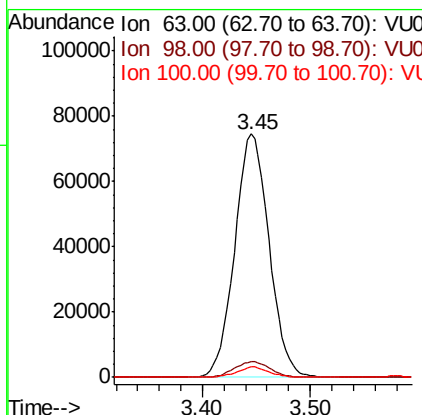
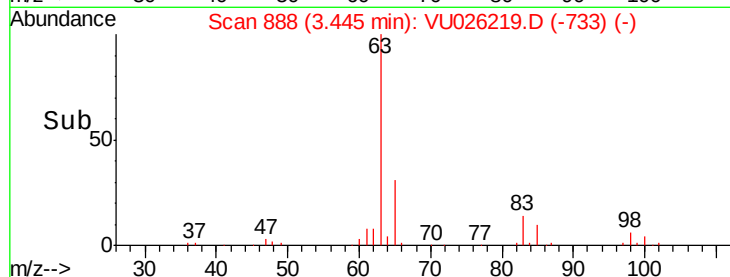
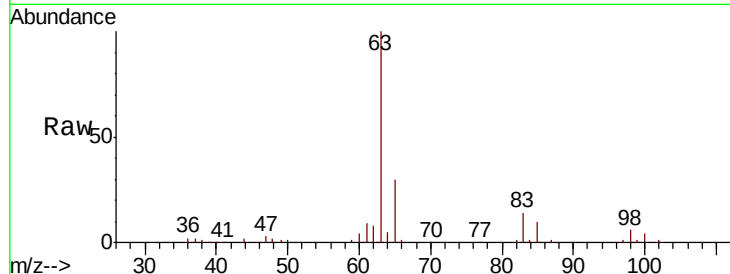
#17
 1,1-Dichloroethane
 Concen: 9.48 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	63	Resp	165071
Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.9	8.8
100	4.1	2.0	5.8

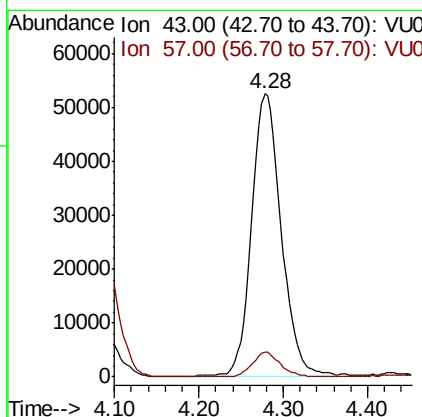
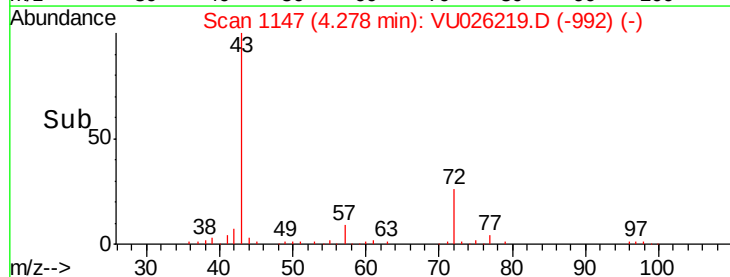
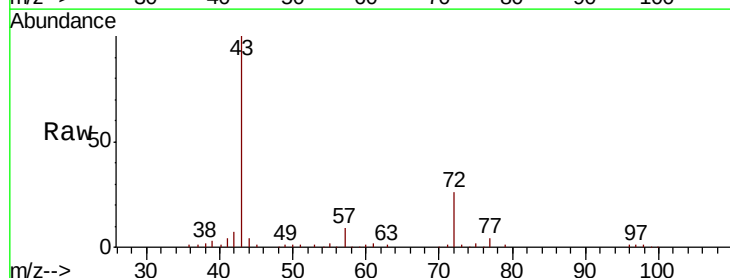
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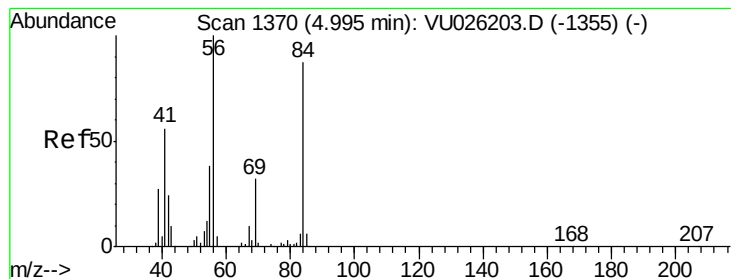
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#18
 2-Butanone
 Concen: 48.37 ug/l
 RT: 4.28 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion	43	Resp	129163
Ion	Ratio	Lower	Upper
43	100		
57	8.9	0.0	15.8





#19

Cyclohexane

Concen: 10.29 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 56 Resp: 131778

Ion Ratio Lower Upper

56 100

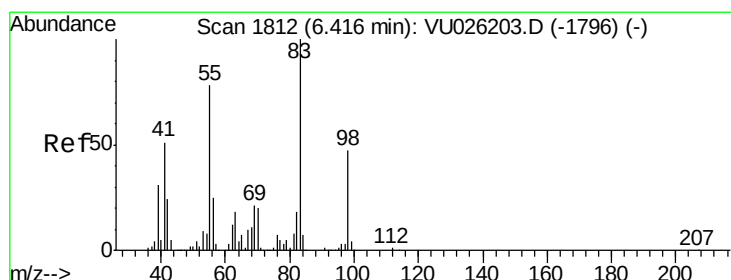
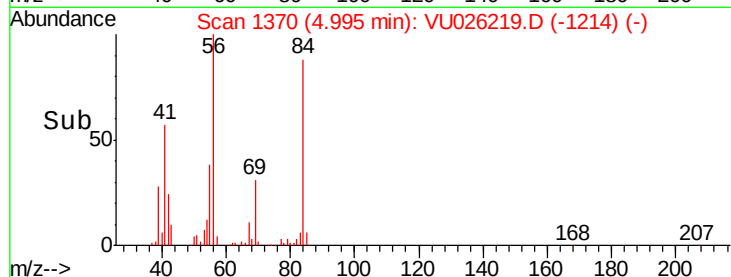
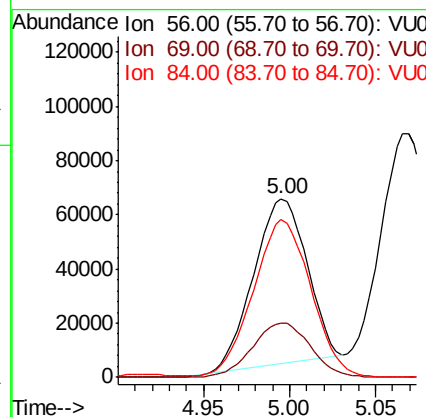
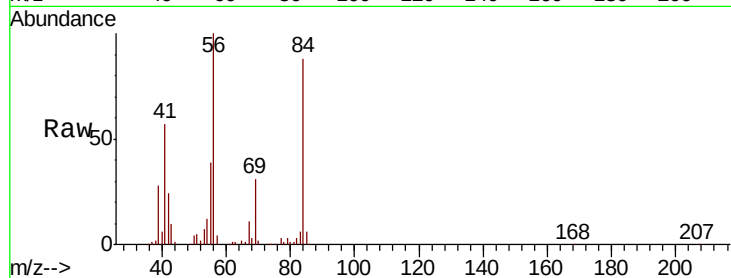
69 35.9 26.0 39.0

84 101.7 68.3 102.5

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#20

Methylcyclohexane

Concen: 10.54 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

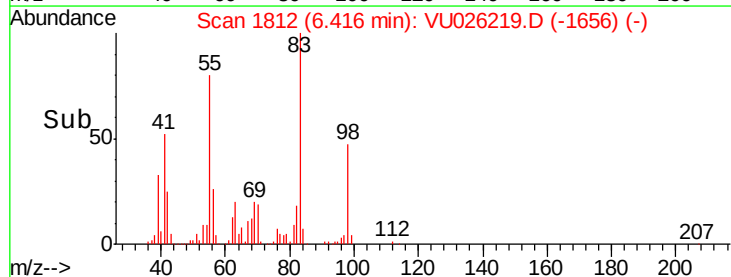
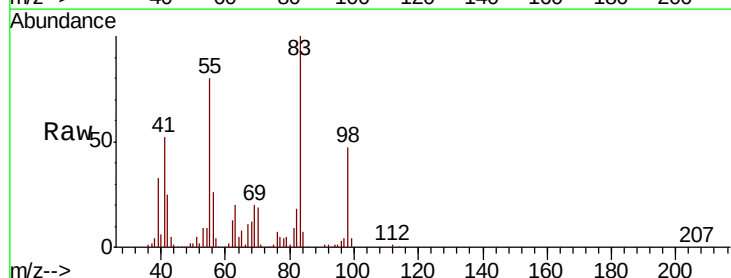
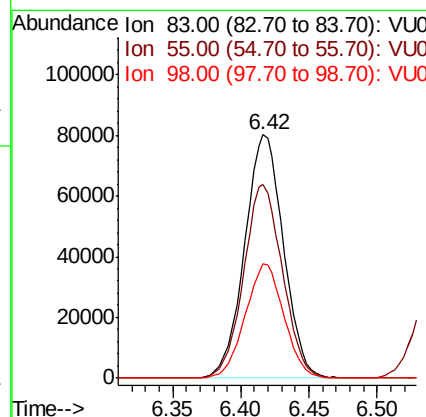
Tgt Ion: 83 Resp: 158074

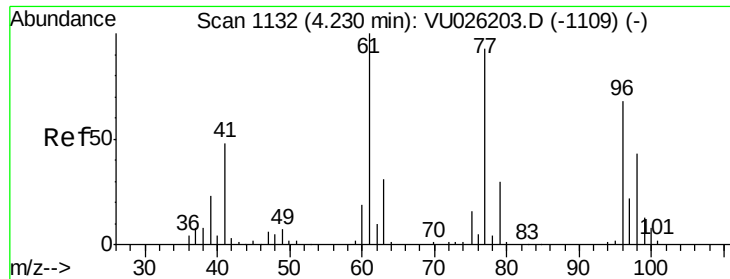
Ion Ratio Lower Upper

83 100

55 79.7 66.4 99.6

98 46.8 35.4 53.2





#21

2,2-Dichloropropane

Concen: 9.00 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 77 Resp: 161109

Ion Ratio Lower Upper

77 100

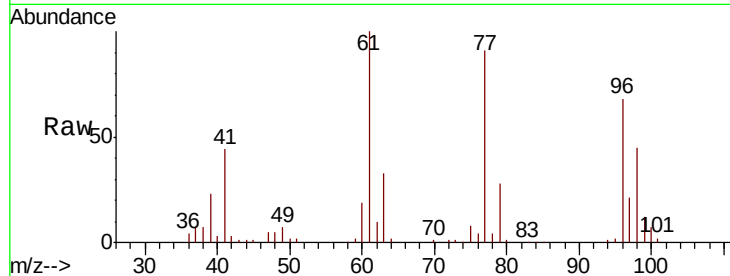
97 22.9 17.9 26.9

Manual Integrations

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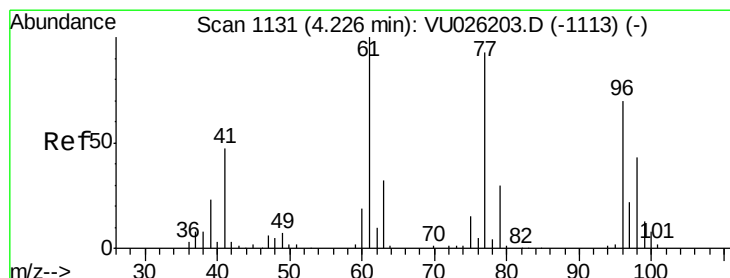
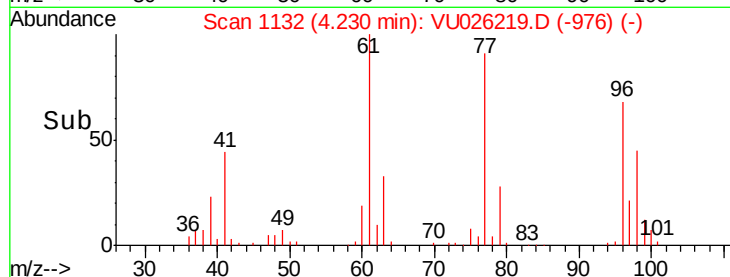
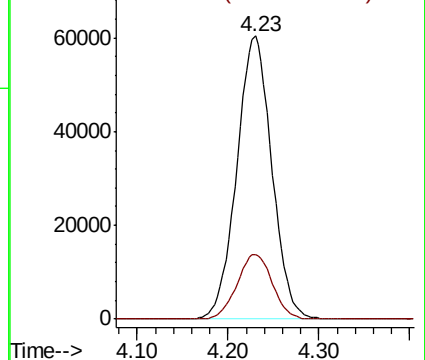
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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 9.55 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

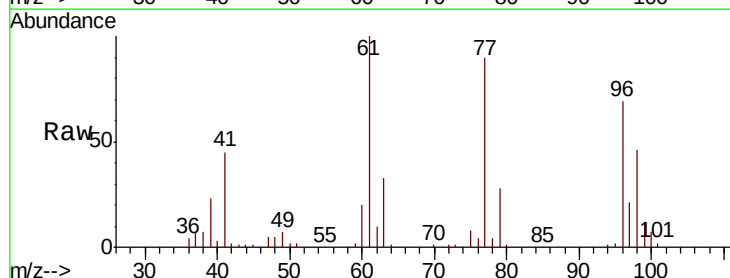
Tgt Ion: 96 Resp: 110343

Ion Ratio Lower Upper

96 100

61 146.2 0.0 400.5

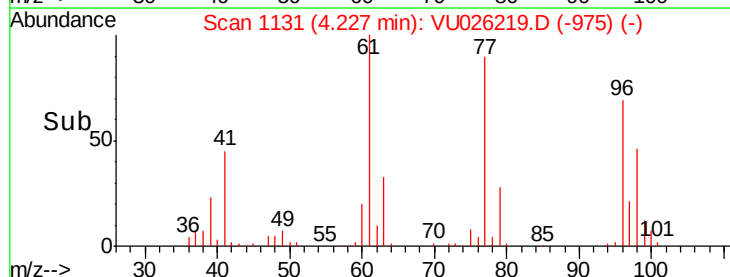
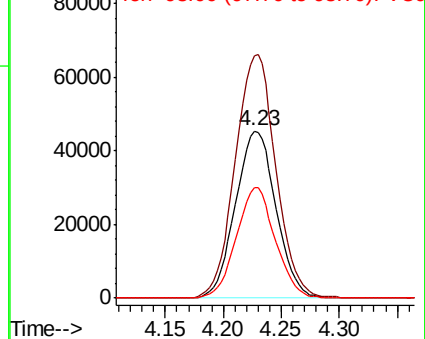
98 63.6 32.2 96.6

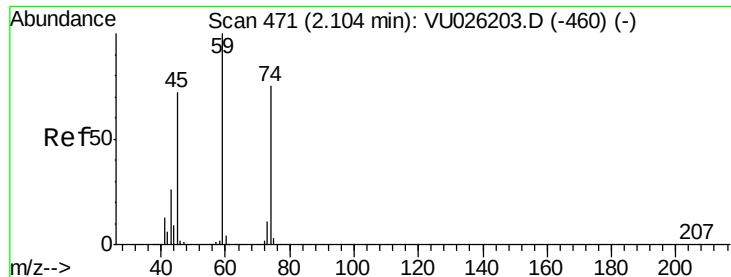


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





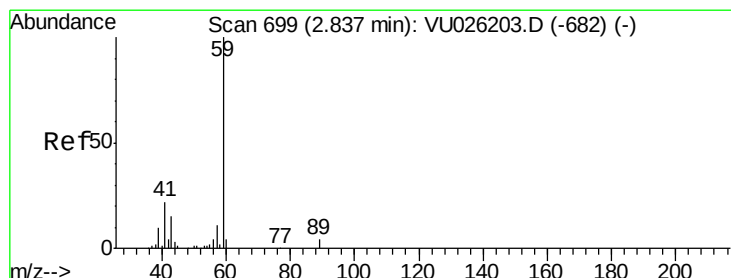
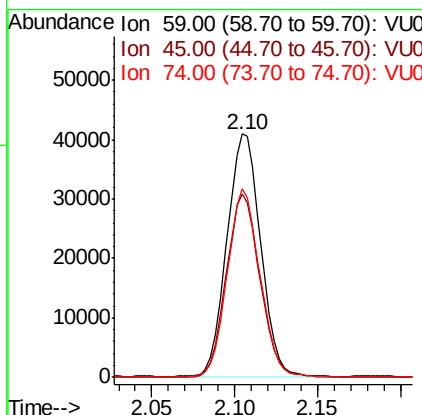
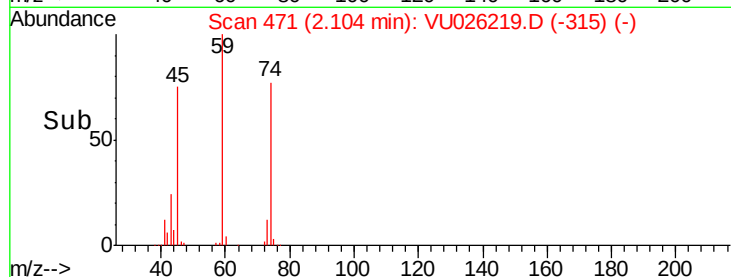
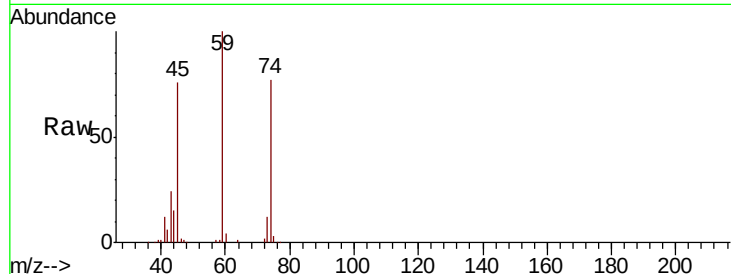
#23
Diethyl Ether
Concen: 9.24 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Resp	58225
Ion	Ratio	Lower	Upper
59	100		
45	73.8	60.0	90.0
74	74.6	56.5	84.7

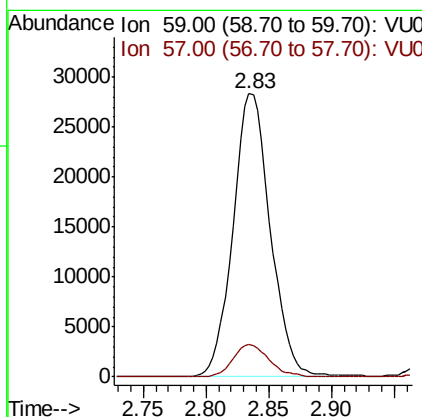
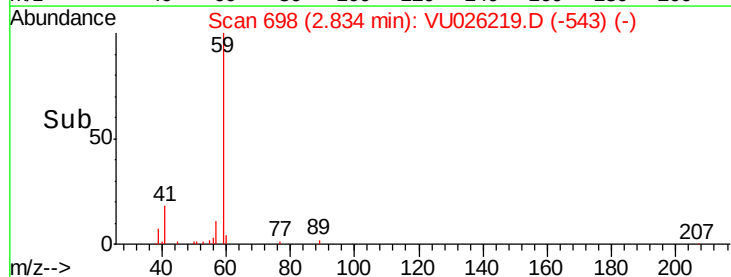
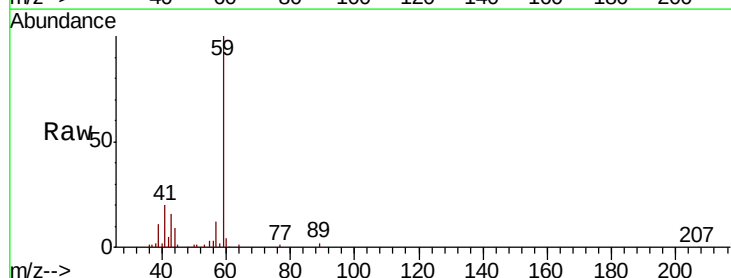
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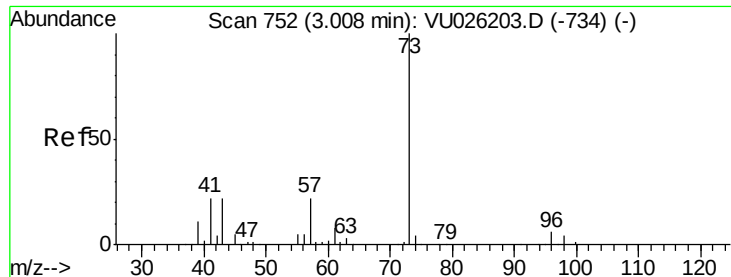
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 90.60 ug/l
RT: 2.83 min Scan# 698
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	59	Resp	58419
Ion	Ratio	Lower	Upper
59	100		
57	11.1	3.4	5.2#





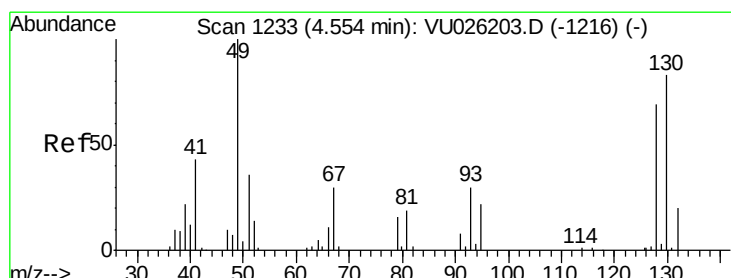
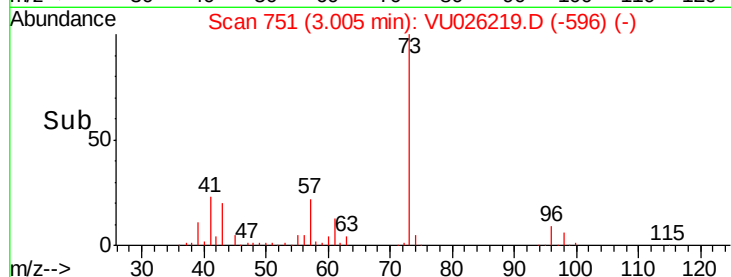
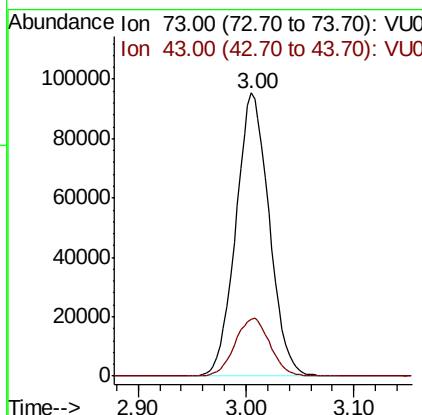
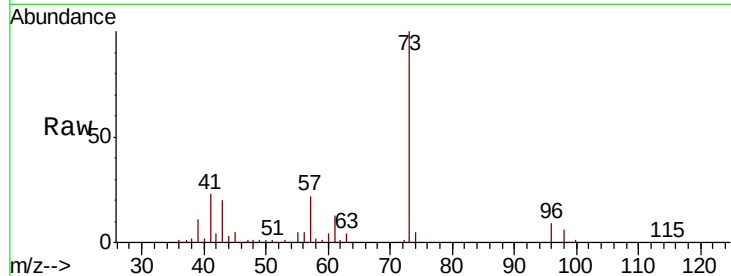
#25
Methyl tert-Butyl Ether
Concen: 9.54 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.6	16.2	24.2

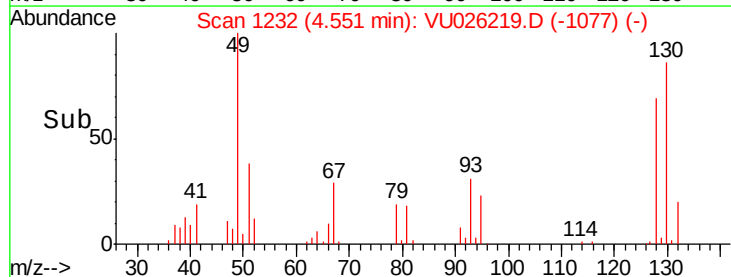
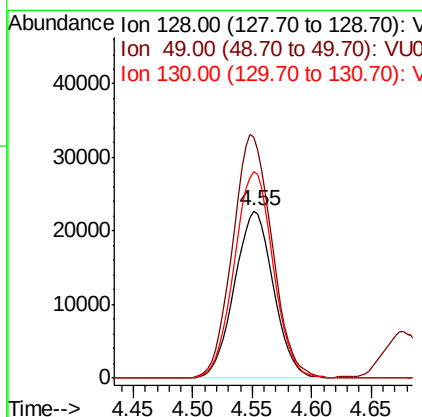
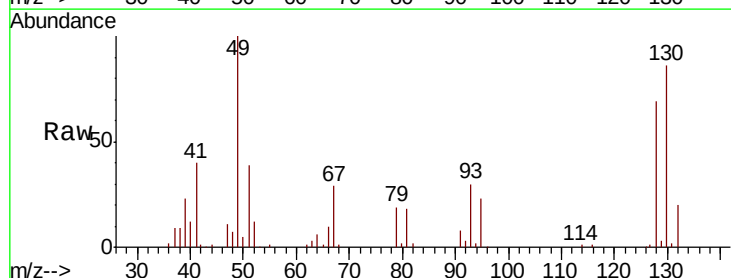
Manual Integrations
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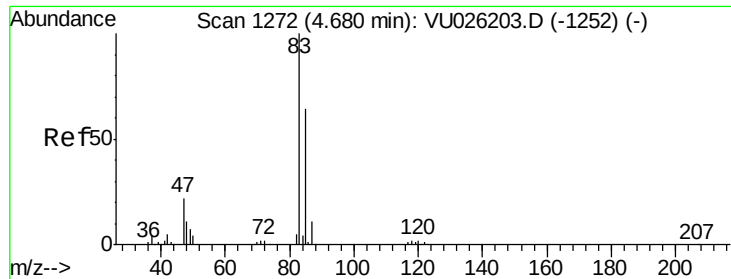
MMDadoda
8/21/2018 11:38:54 AM



#26
Bromochloromethane
Concen: 9.98 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
128	100		
49	147.3	0.0	375.2
130	124.1	105.8	158.6





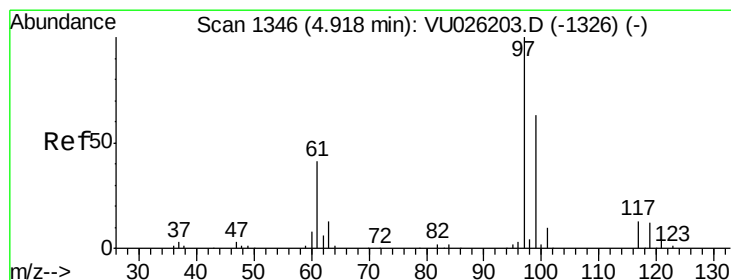
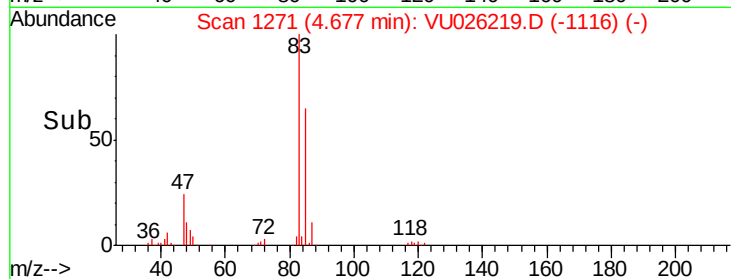
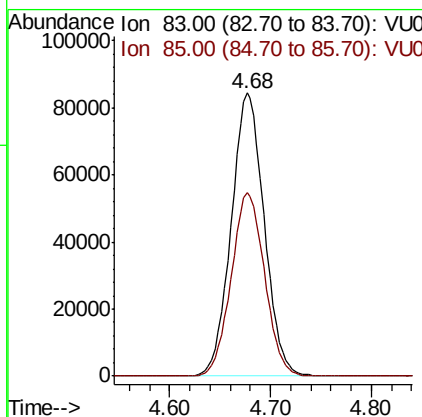
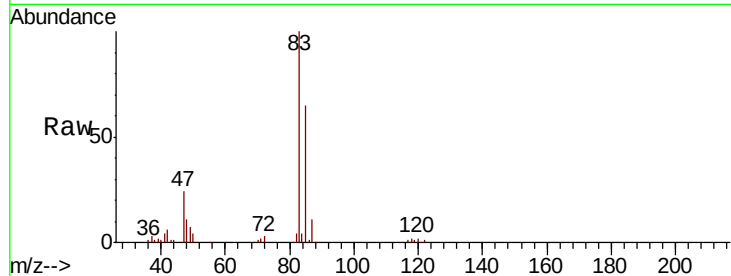
#27
Chloroform
Concen: 9.49 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	191203
Ion Ratio	100	Lower	Upper
85	64.7	0.0	128.4

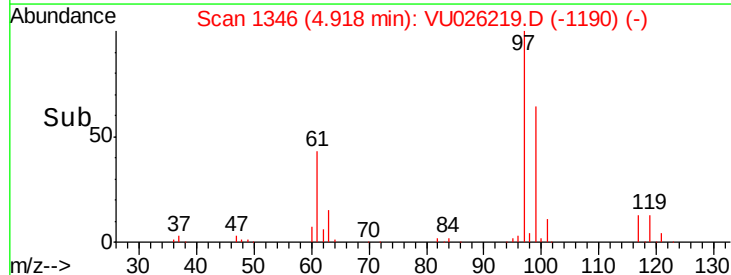
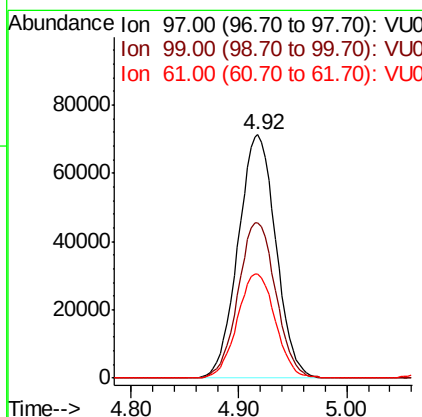
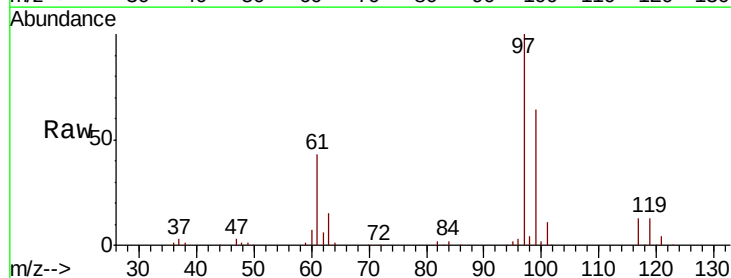
Manual Integrations
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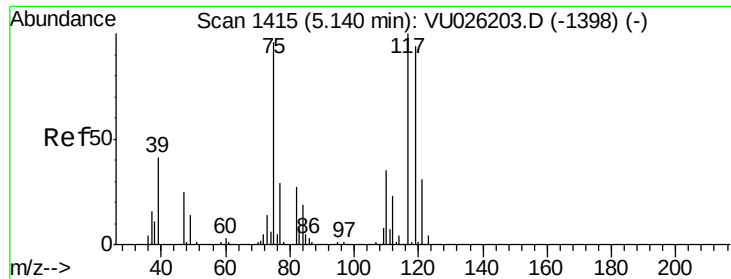
MMDadoda
8/21/2018 11:38:54 AM



#28
1,1,1-Trichloroethane
Concen: 9.69 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	97	Resp	173433
Ion Ratio	100	Lower	Upper
99	63.9	32.3	96.9
61	43.3	23.2	69.5





#29

1,1-Dichloropropene

Concen: 10.13 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 143162

Ion Ratio Lower Upper

75 100

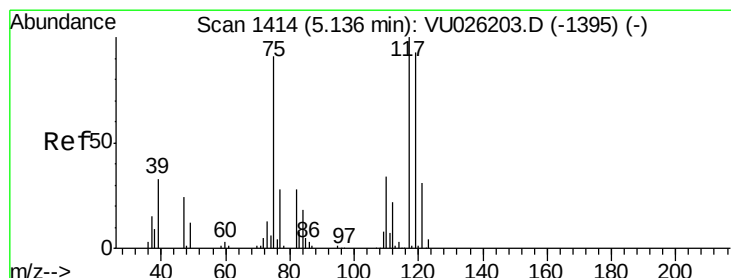
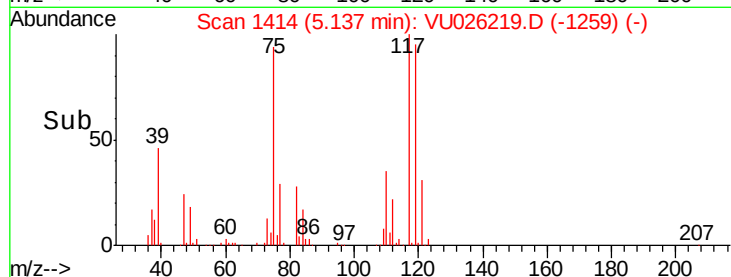
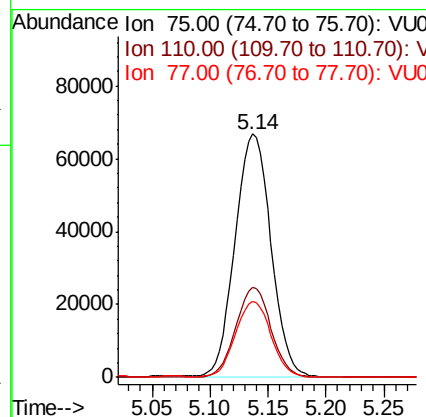
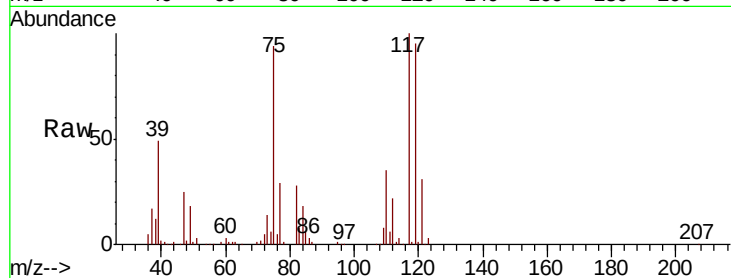
110 36.3 16.9 50.7

77 31.0 24.8 37.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 9.60 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

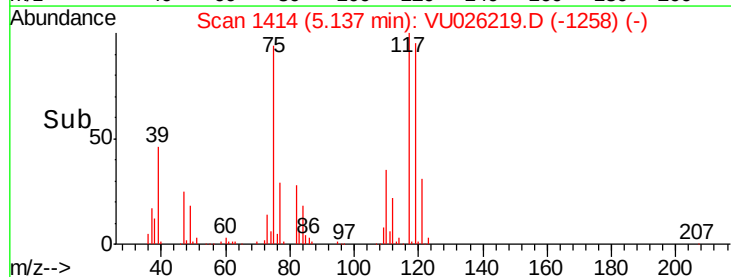
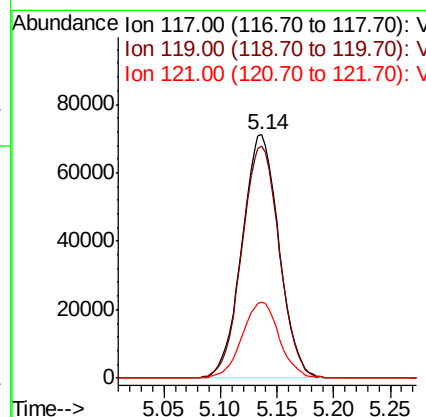
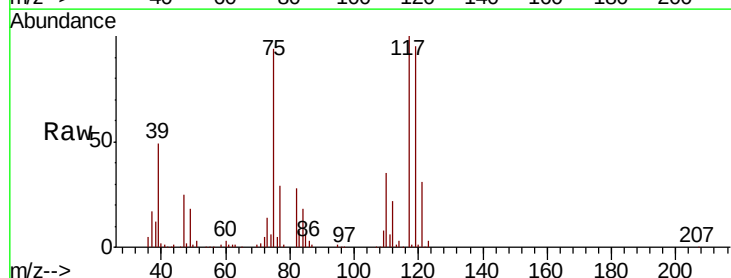
Tgt Ion: 117 Resp: 162204

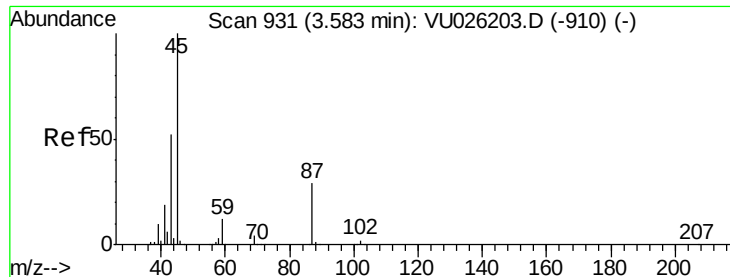
Ion Ratio Lower Upper

117 100

119 95.2 77.3 115.9

121 31.2 24.5 36.7





#31

Isopropyl Ether

Concen: 9.63 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 276457

Ion Ratio Lower Upper

45 100

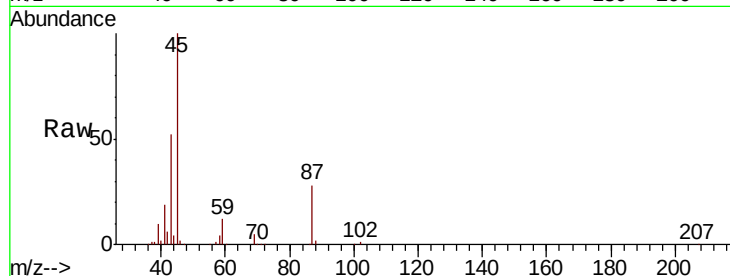
43 53.4 24.0 72.0

Manual Integrations

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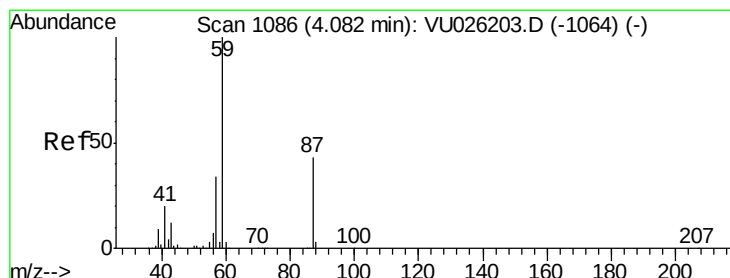
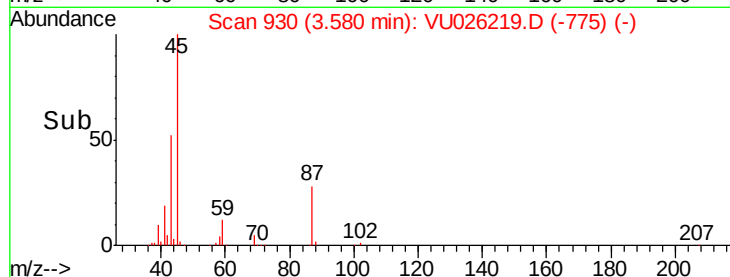
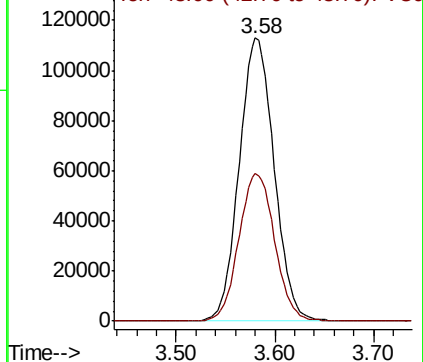
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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 9.94 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026219.D

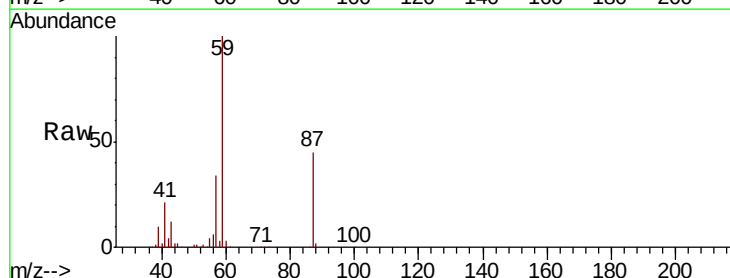
Acq: 20 Aug 2018 19:58

Tgt Ion: 59 Resp: 249777

Ion Ratio Lower Upper

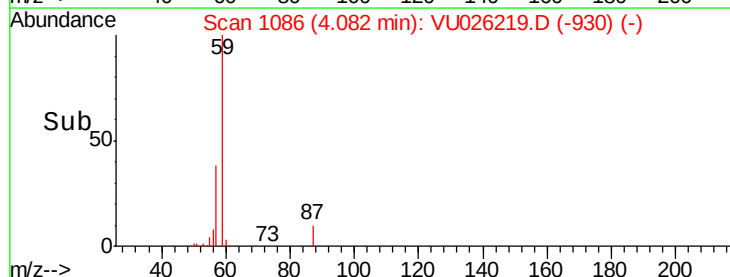
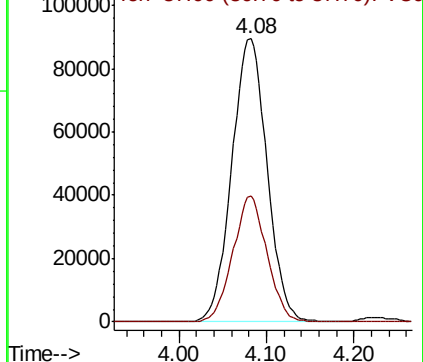
59 100

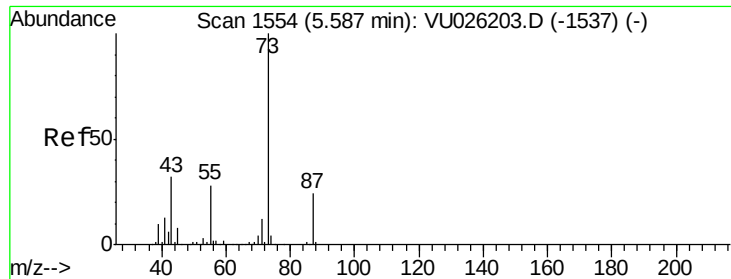
87 43.1 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





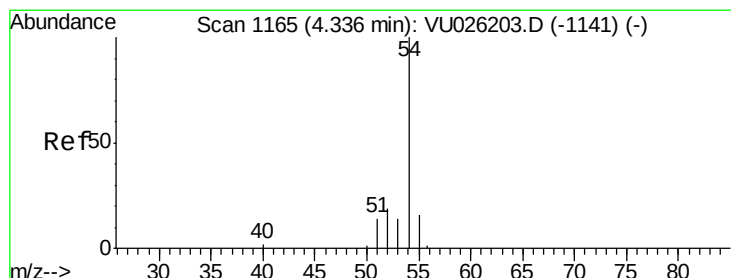
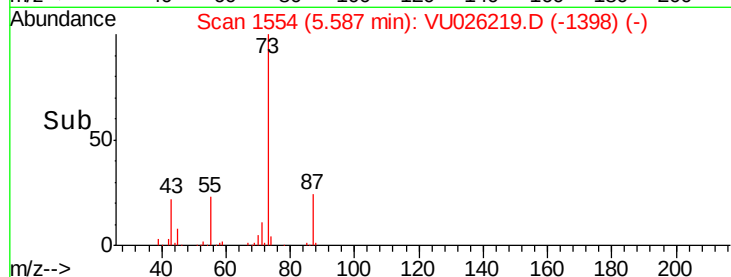
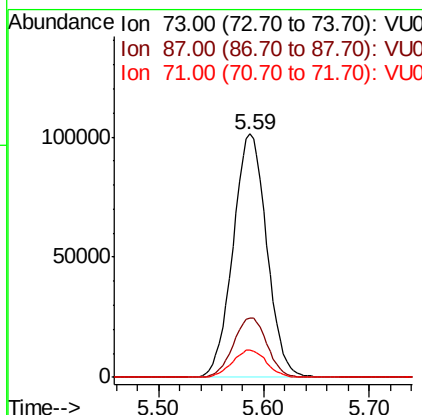
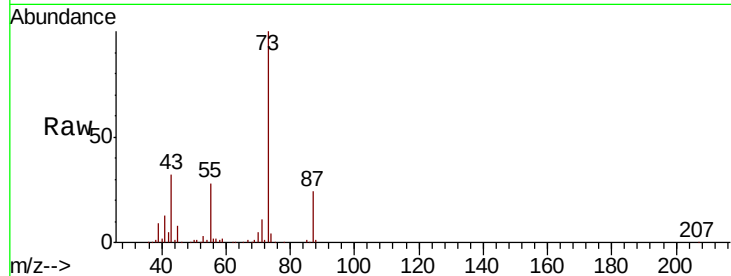
#33
Tert-Butyl methyl ether
Concen: 10.43 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010EC

Tot Ion	73	Resp	223893
Ion	Ratio	Lower	Upper
73	100		
87	24.4	18.6	28.0
71	11.4	9.3	13.9

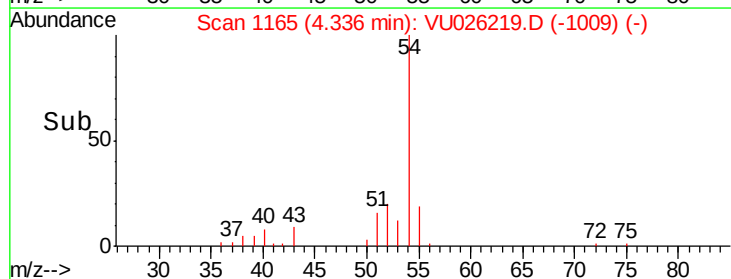
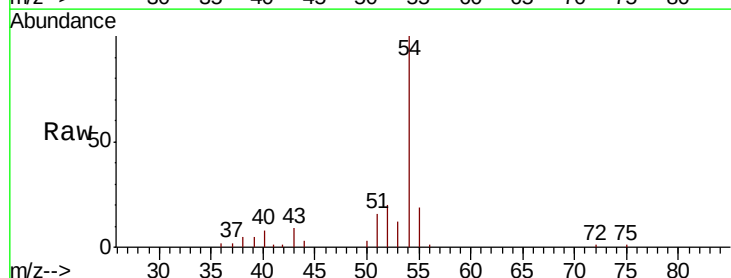
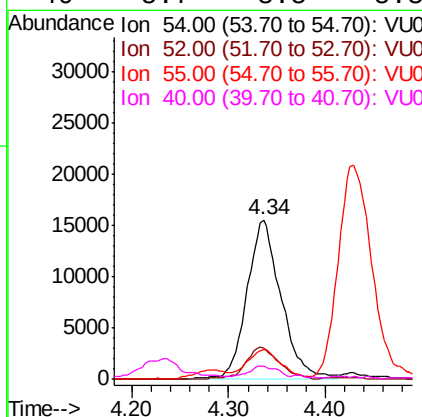
Manual Integrations
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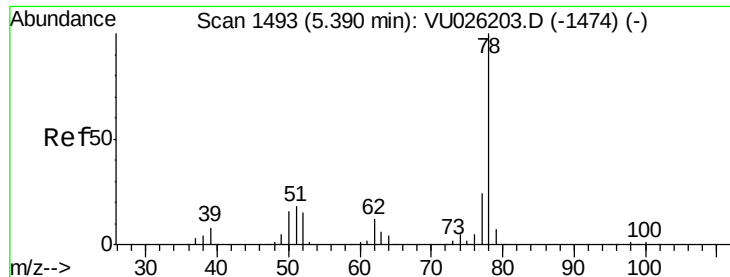
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#34
Propionitrile
Concen: 50.13 ug/l
RT: 4.34 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	54	Resp	38125
Ion	Ratio	Lower	Upper
54	100		
52	19.4	13.7	20.5
55	17.7	10.2	15.2#
40	5.7	3.5	5.3#





#35

Benzene

Concen: 9.84 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 401903

Ion Ratio Lower Upper

78 100

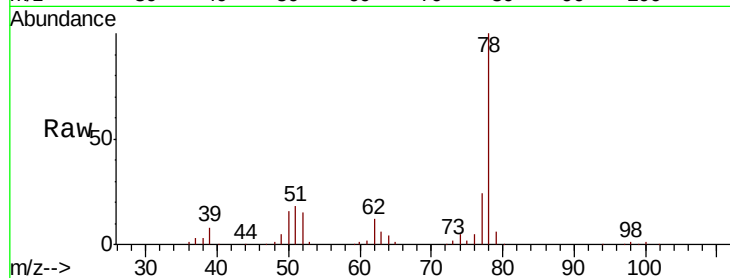
77 24.1 19.1 28.7

Manual Integrations

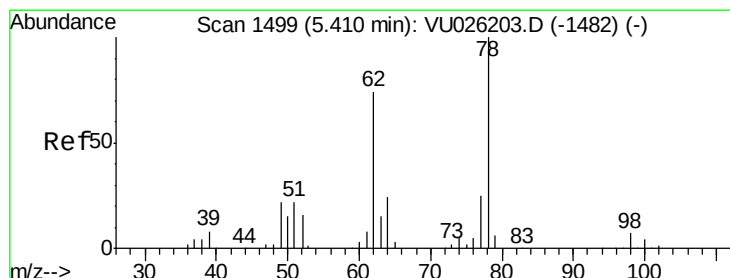
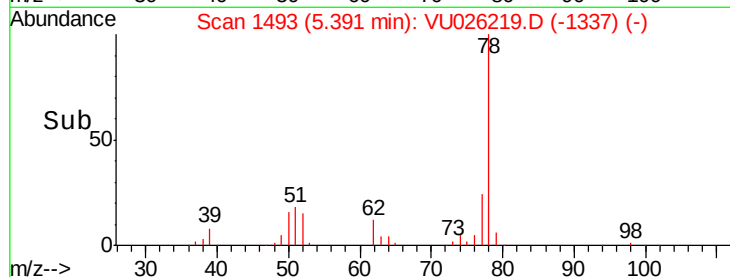
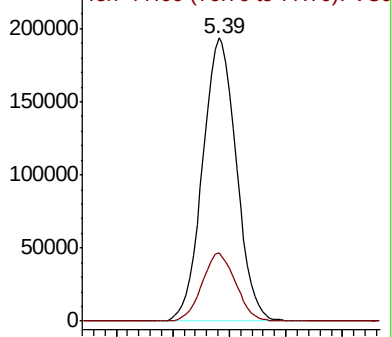
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Abundance Ion 78.10 (77.80 to 78.80): VU026219.D (-1474) (-)



#36

1,2-Dichloroethane

Concen: 9.67 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026219.D

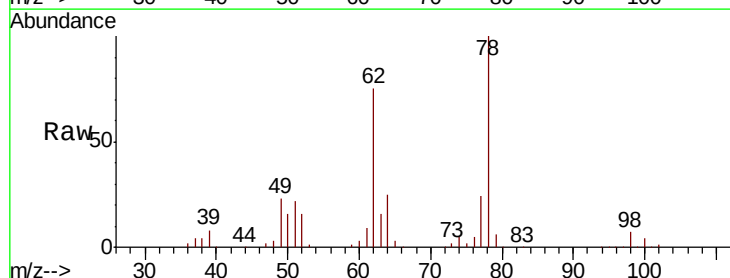
Acq: 20 Aug 2018 19:58

Tgt Ion: 62 Resp: 122396

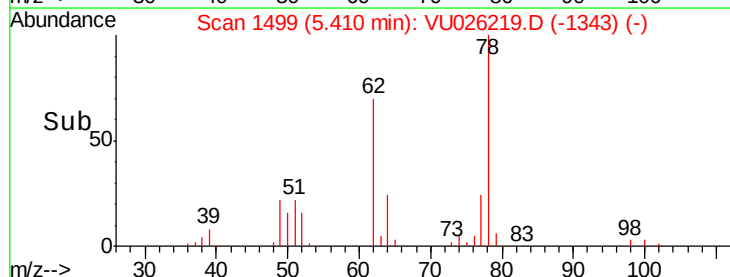
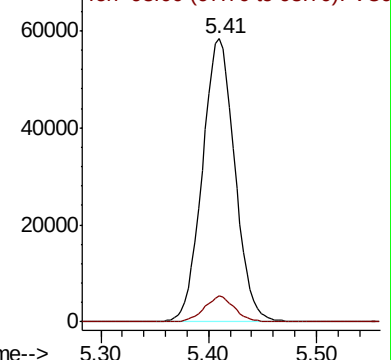
Ion Ratio Lower Upper

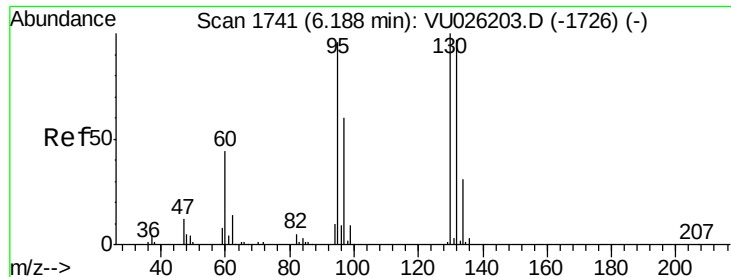
62 100

98 8.4 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026219.D (-1343) (-)





#37

Trichloroethene

Concen: 9.43 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 108366

Ion Ratio Lower Upper

130 100

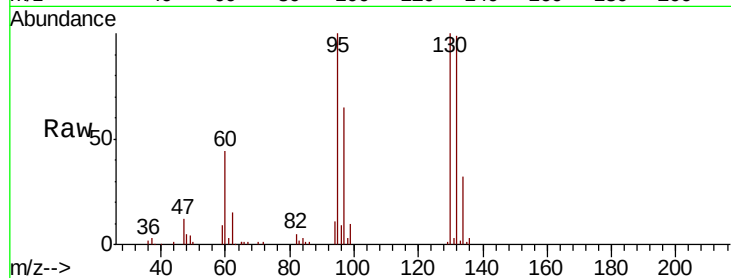
95 99.8 77.9 116.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU026219.D (-1585) (-)

Ion 94.90 (94.60 to 95.60): VU026219.D (-1585) (-)

6.19

60000

50000

40000

30000

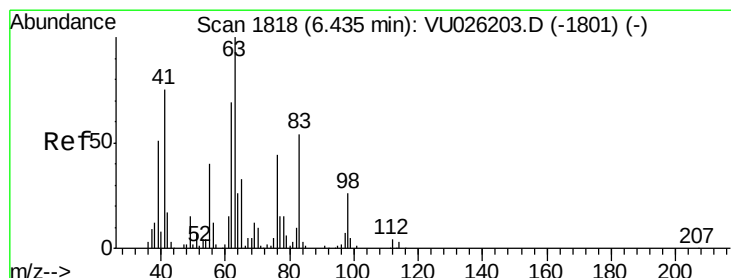
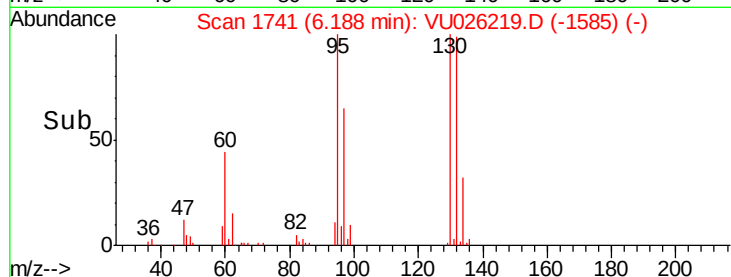
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 9.95 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026219.D

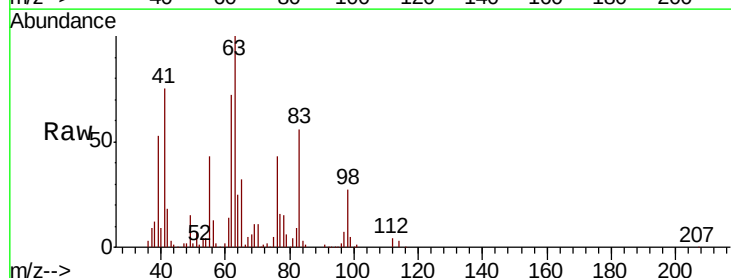
Acq: 20 Aug 2018 19:58

Tgt Ion: 63 Resp: 105182

Ion Ratio Lower Upper

63 100

65 31.9 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026219.D (-1662) (-)

Ion 65.00 (64.70 to 65.70): VU026219.D (-1662) (-)

6.44

60000

50000

40000

30000

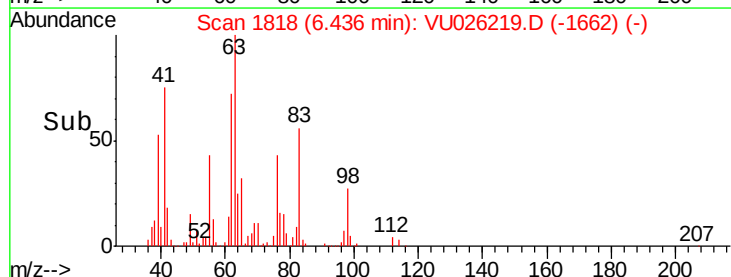
20000

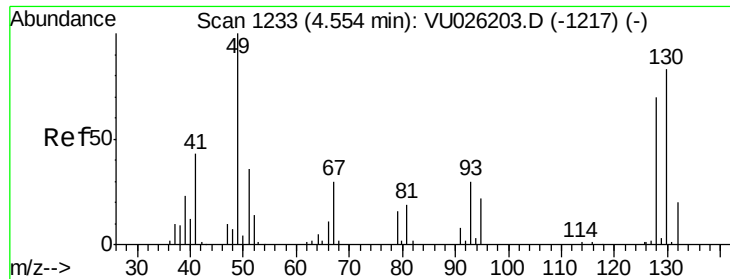
10000

0

6.35 6.40 6.45 6.50 6.55

Time-->





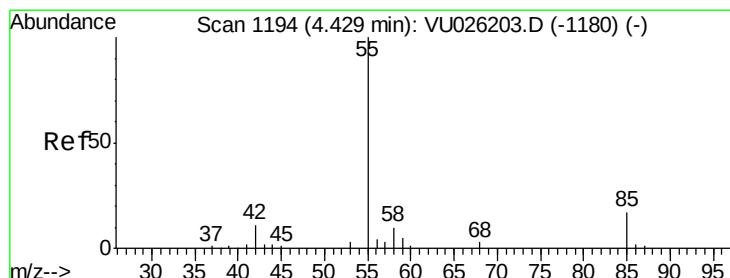
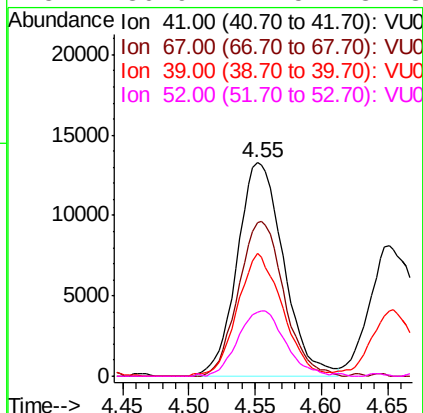
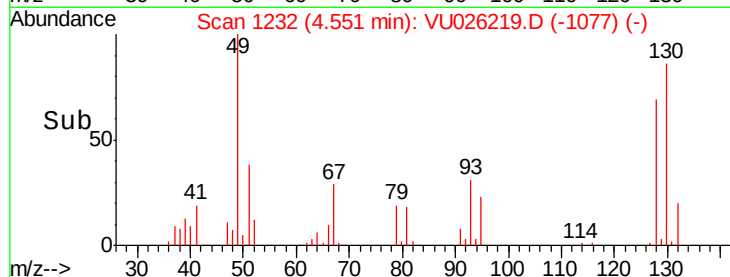
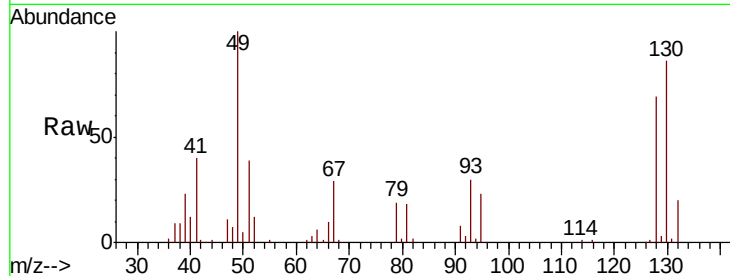
#39
Methacrylonitrile
Concen: 10.09 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	32374
Ion	Ratio	Lower	Upper
41	100		
67	70.7	51.3	76.9
39	55.7	40.6	60.8
52	30.9	21.5	32.3

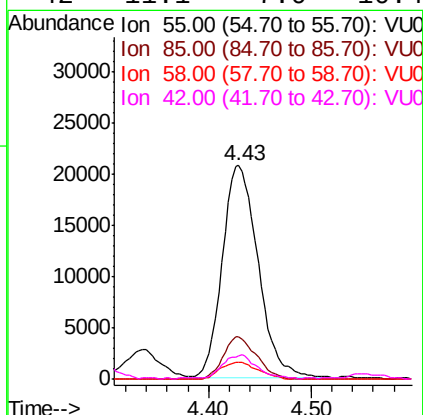
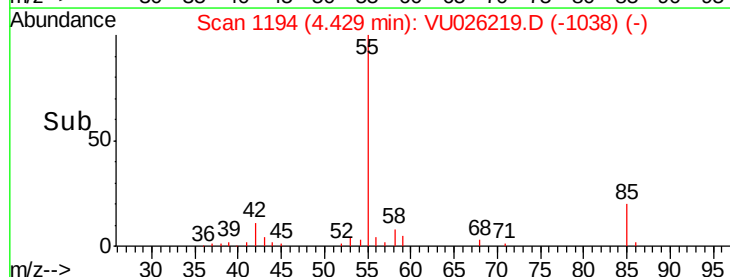
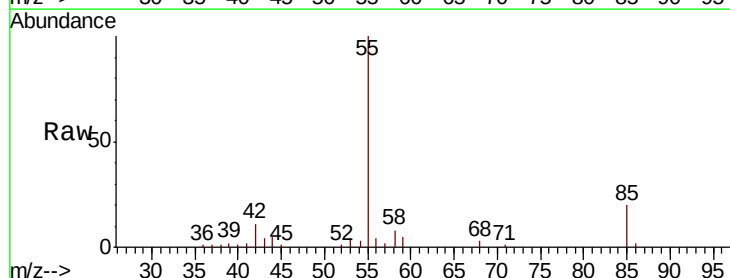
Manual Integrations
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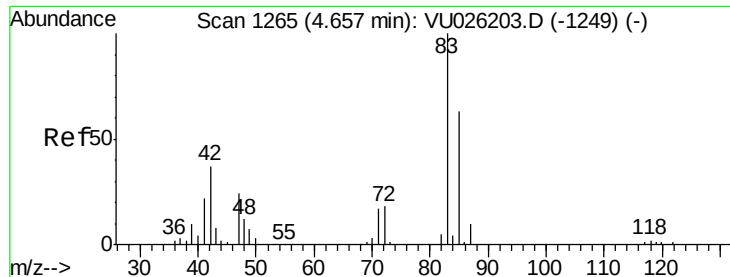
MMDadoda
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#40
Methyl acrylate
Concen: 10.33 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	55	Resp	50291
Ion	Ratio	Lower	Upper
55	100		
85	18.0	12.3	18.5
58	8.1	7.0	10.6
42	11.1	7.0	10.4





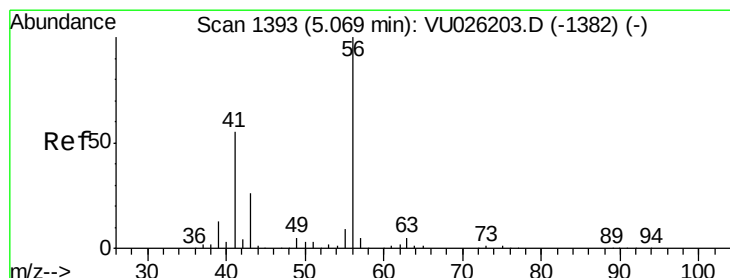
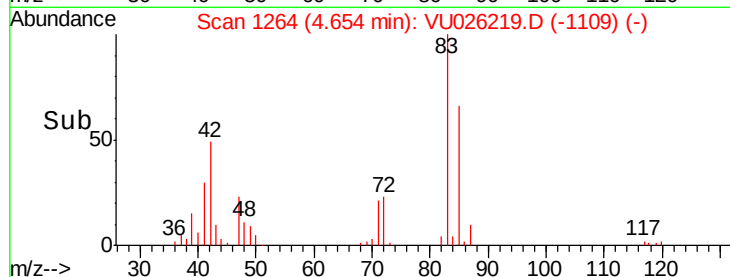
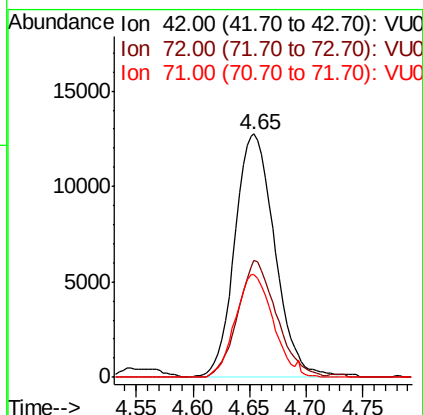
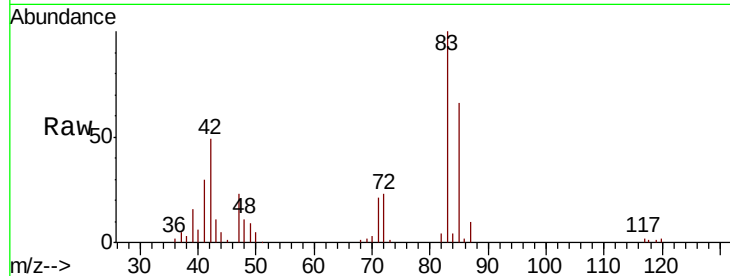
#41
Tetrahydrofuran
Concen: 17.57 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	42	Resp:	31367
Ion	Ratio	Lower	Upper
42	100		
72	46.6	33.2	49.8
71	40.4	29.8	44.8

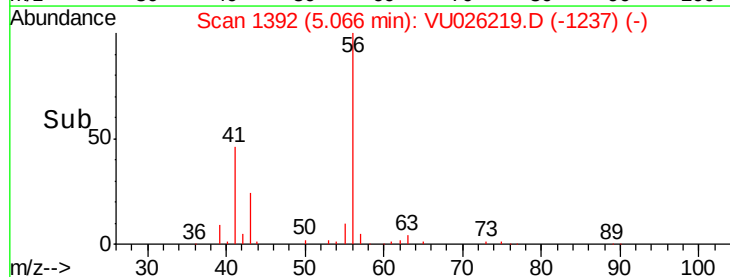
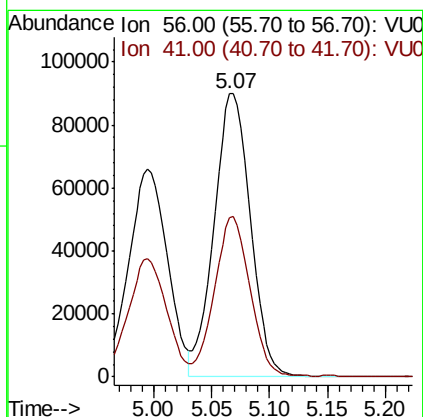
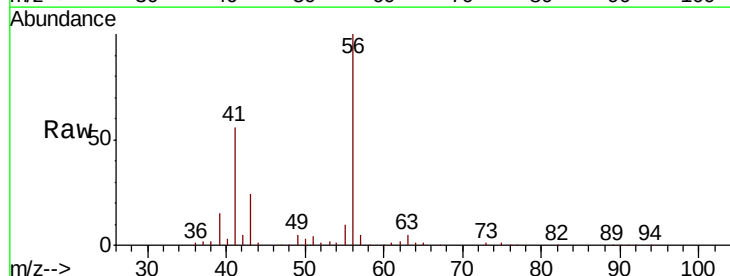
Manual Integrations
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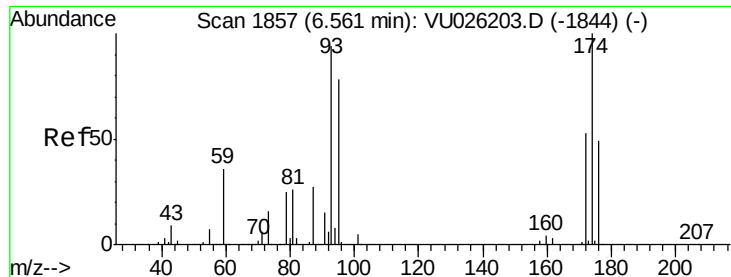
MMDadoda
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#42
1-Chlorobutane
Concen: 10.27 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion:	56	Resp:	196217
Ion	Ratio	Lower	Upper
56	100		
41	55.0	27.5	82.5





#43

Dibromomethane

Concen: 9.61 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

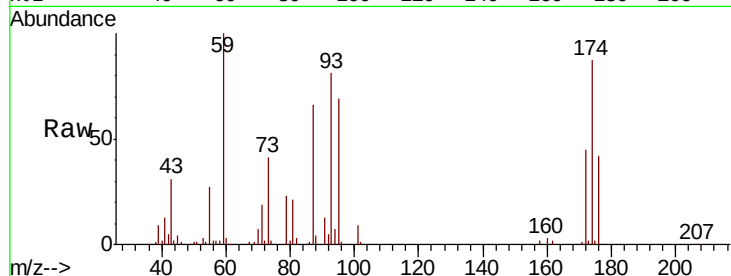
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	53977
Ion	Ratio	Lower	Upper
93	100		
95	85.2	67.2	100.8
174	107.5	82.8	124.2

Manual Integrations
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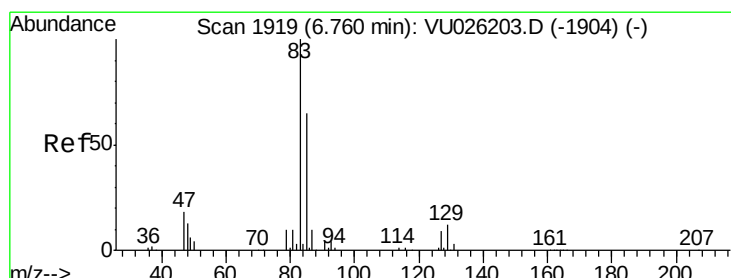
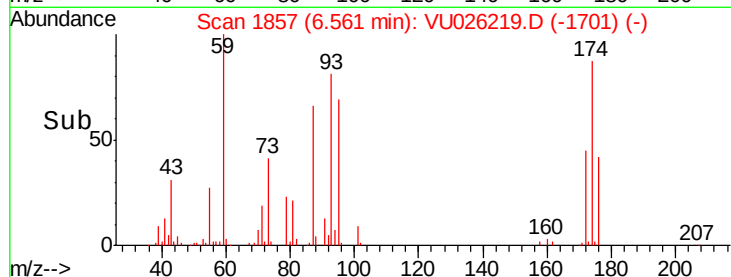
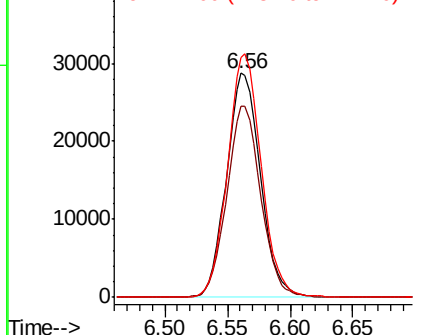


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 9.72 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

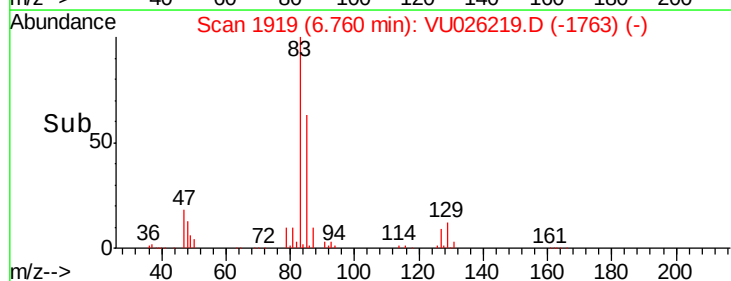
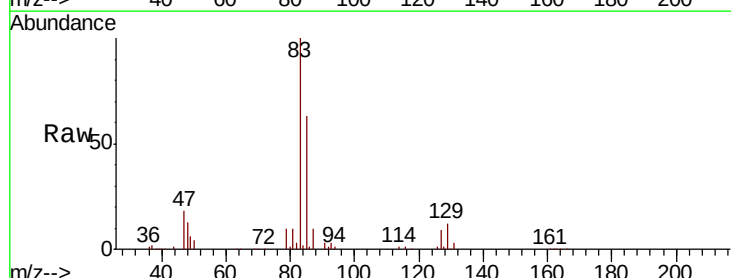
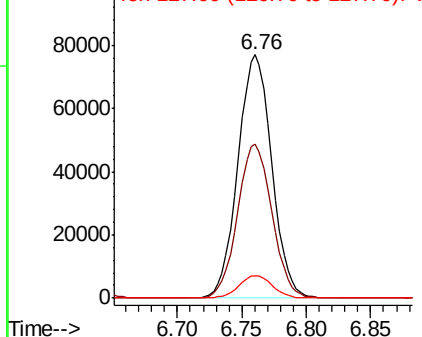
Tgt Ion:	83	Resp:	140975
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4
127	9.1	7.0	10.4

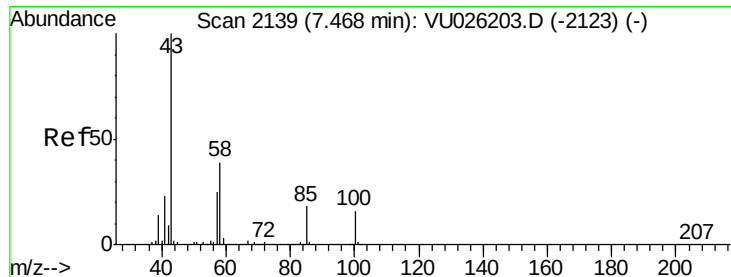
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





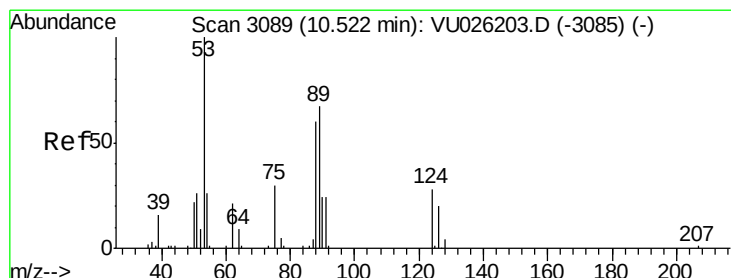
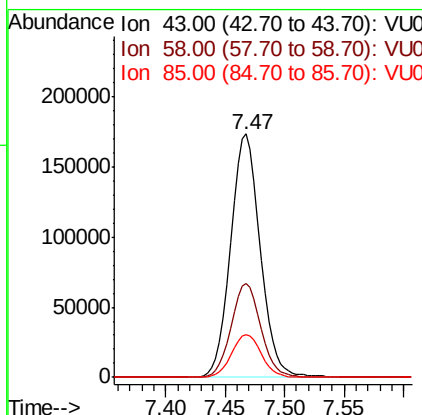
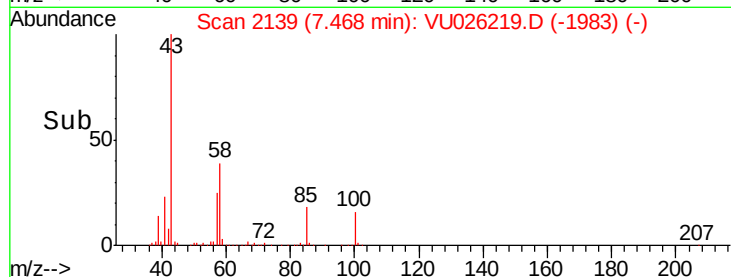
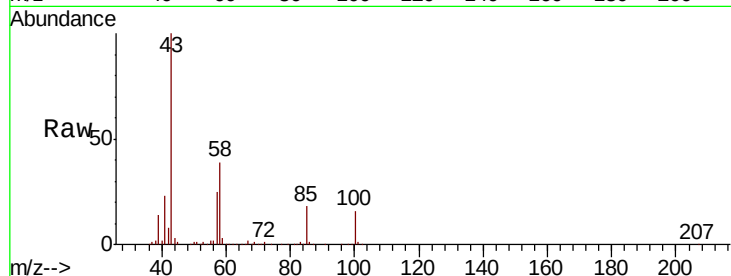
#45
4-Methyl-2-Pentanone
Concen: 52.59 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	18.8	56.4
85	17.7	12.6	19.0

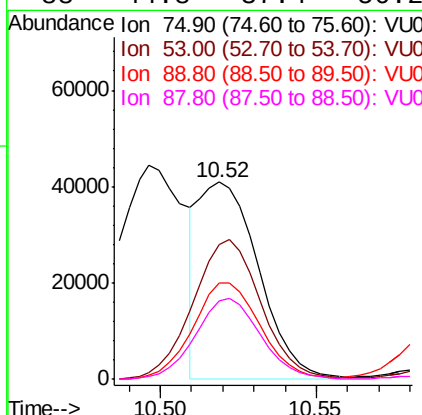
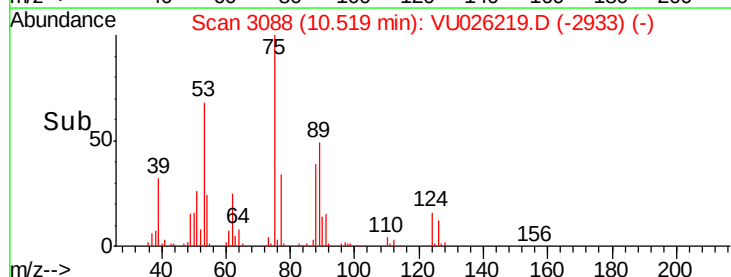
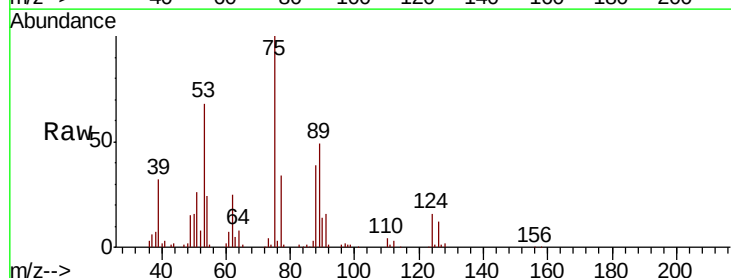
Manual Integrations
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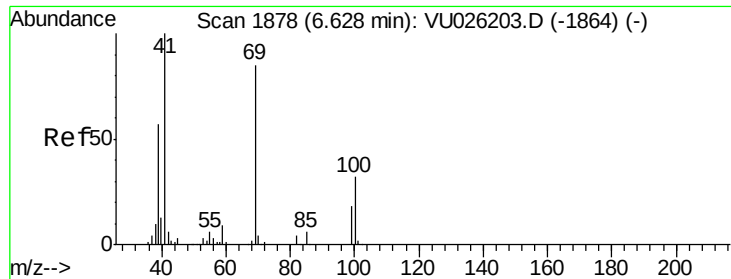
MMDadoda
8/21/2018 11:38:54 AM



#46
t-1,4-Dichloro-2-butene
Concen: 19.06 ug/l m
RT: 10.52 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
53	80.3	82.2	123.4#
89	54.7	51.3	76.9
88	44.8	37.4	56.2





#47

Methvl methacrylate

Concen: 21.73 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

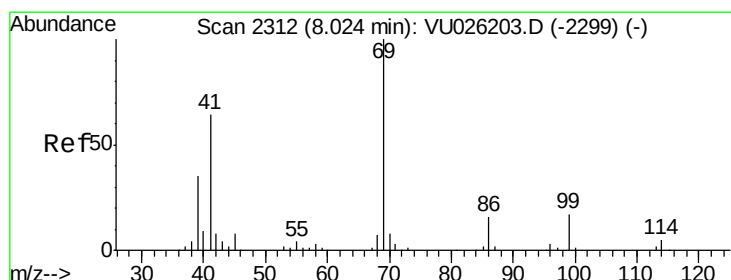
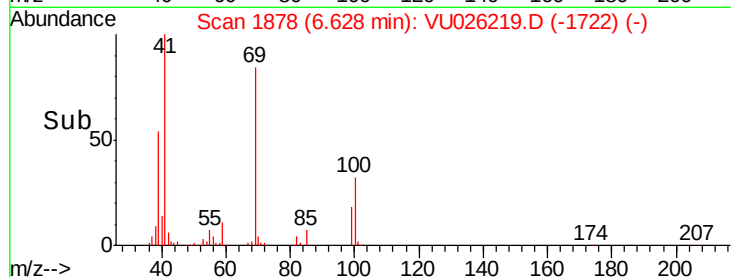
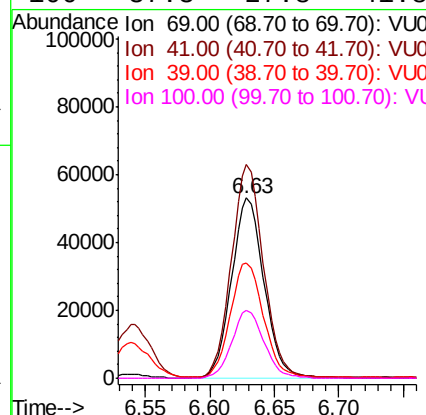
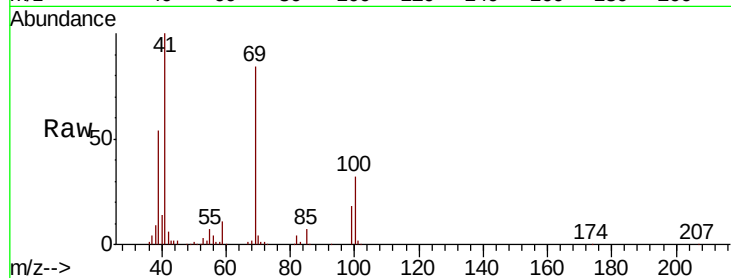
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	116.7	0.0	245.4		
39	64.5	49.0	73.4		
100	37.3	27.8	41.8		

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#48

Ethyl methacrylate

Concen: 11.23 ug/l

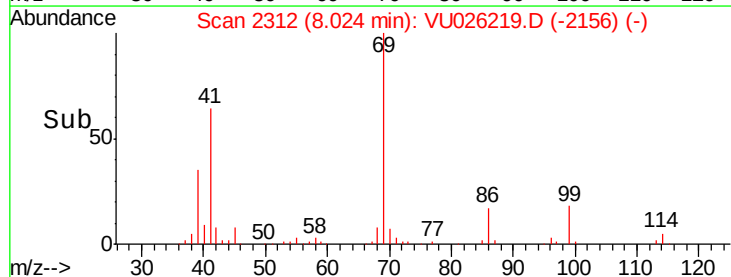
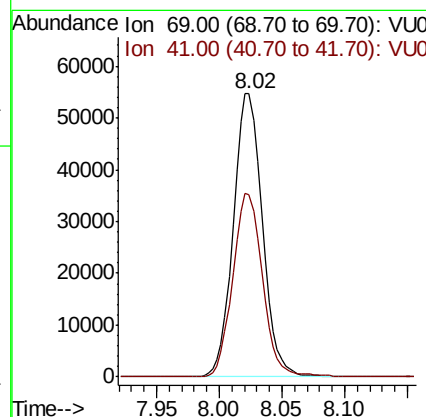
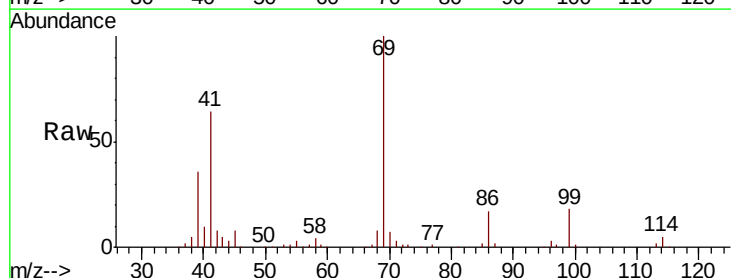
RT: 8.02 min Scan# 2312

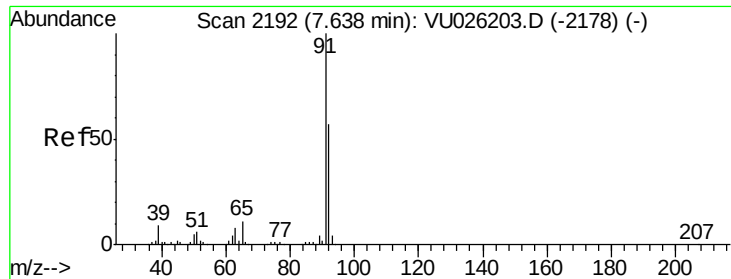
Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.4	34.2	102.5		





#49

Toluene

Concen: 10.57 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 246435

Ion Ratio Lower Upper

92 100

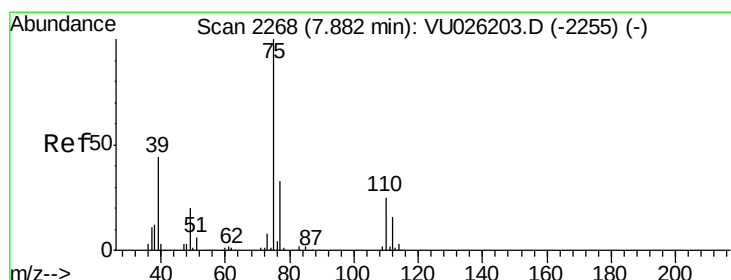
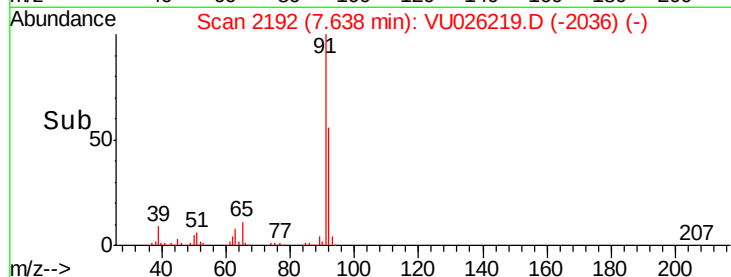
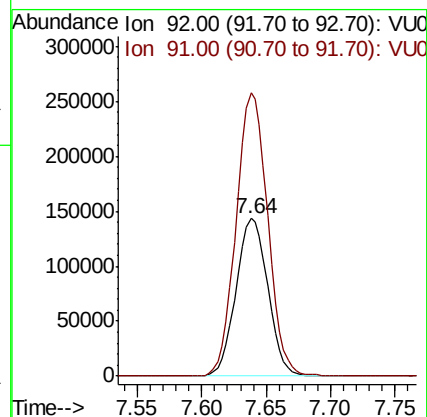
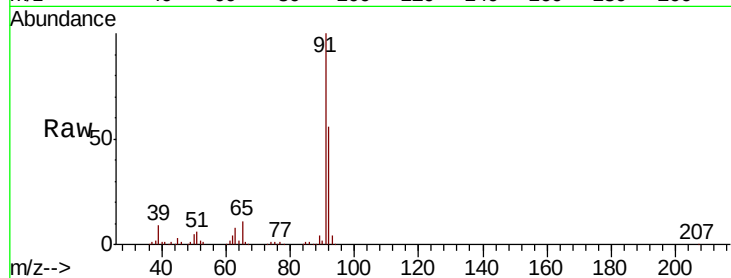
91 178.3 137.1 205.7

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 10.20 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026219.D

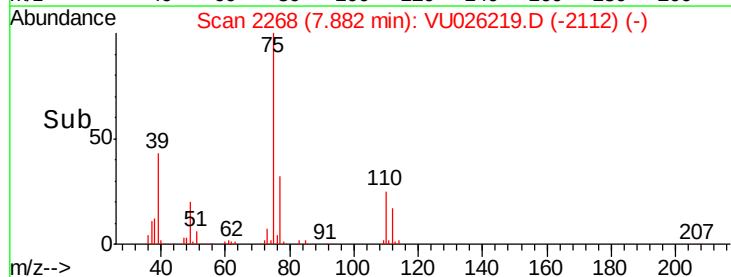
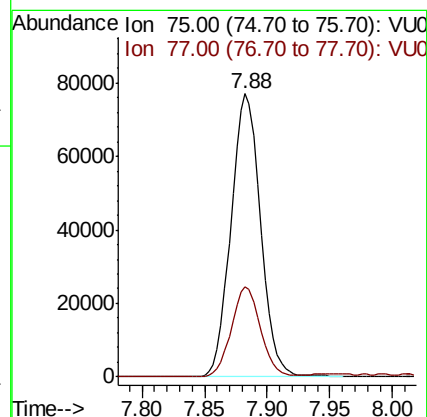
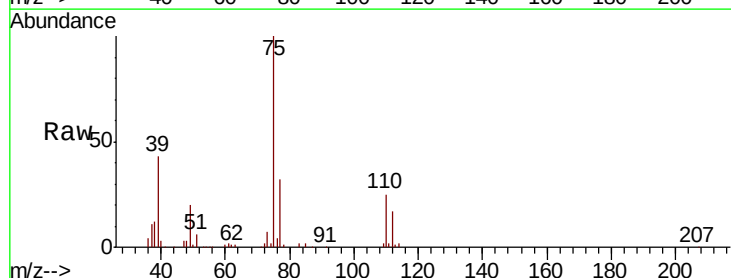
Acq: 20 Aug 2018 19:58

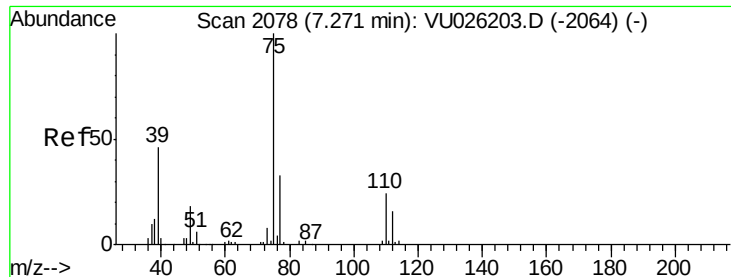
Tgt Ion: 75 Resp: 126239

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8





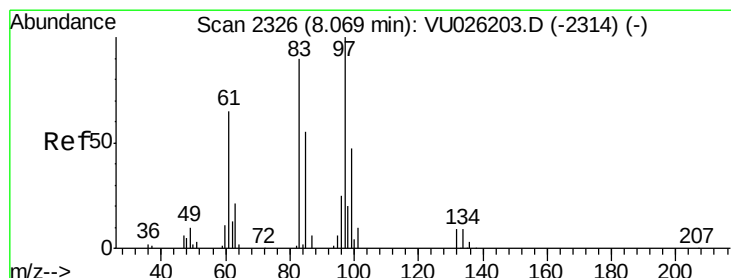
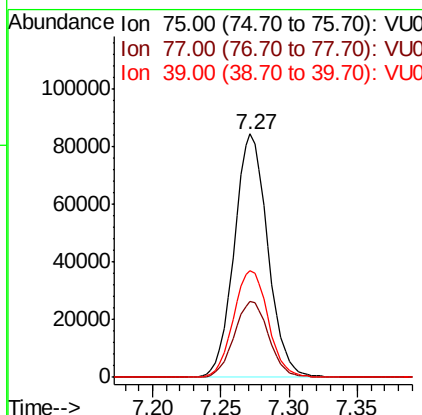
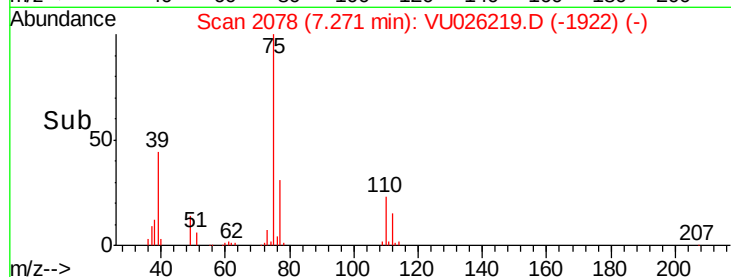
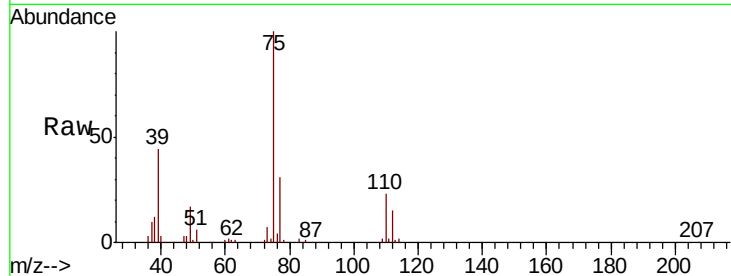
#51
 cis-1,3-Dichloropropene
 Concen: 10.03 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	75	Resp:	143952
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8
39	43.9	36.4	54.6

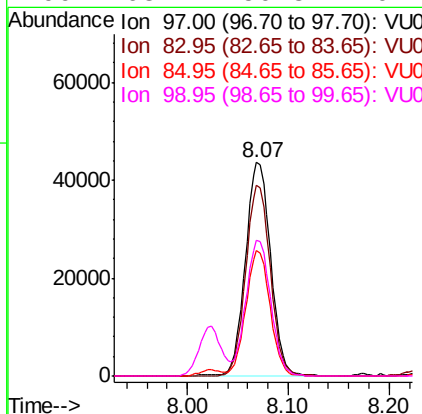
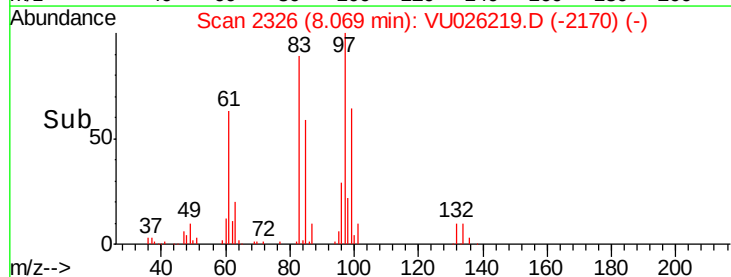
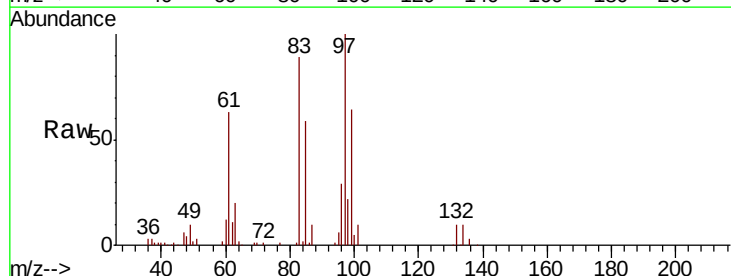
Manual Integrations
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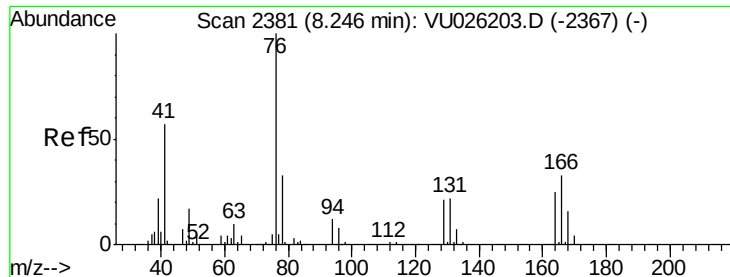
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#52
 1,1,2-Trichloroethane
 Concen: 9.85 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion:	97	Resp:	75064
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.6	109.0
85	58.6	47.2	70.8
99	63.7	50.8	76.2





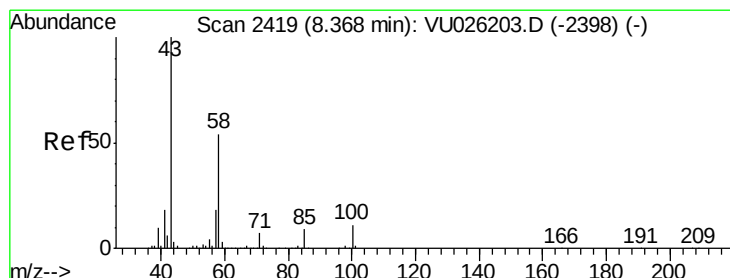
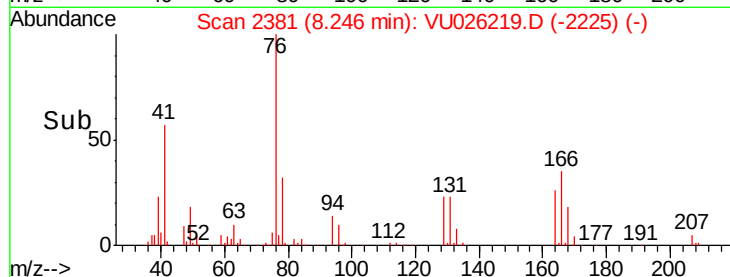
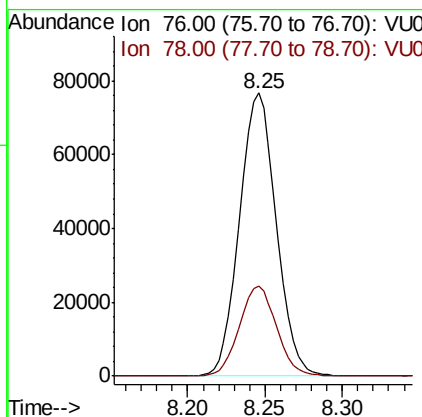
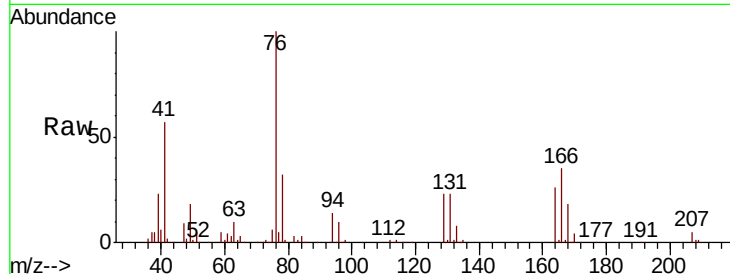
#53
 1,3-Dichloropropane
 Concen: 10.01 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

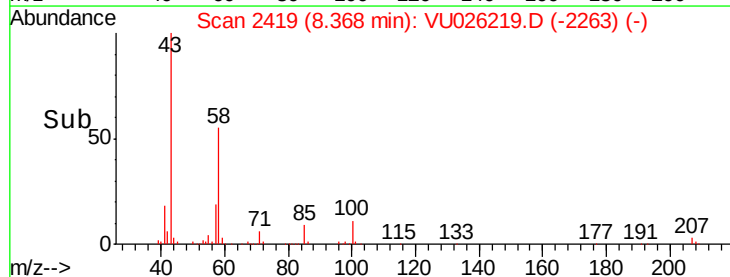
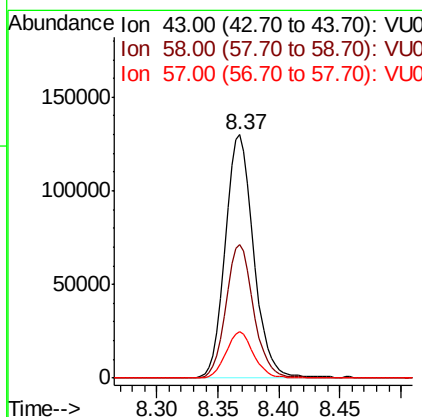
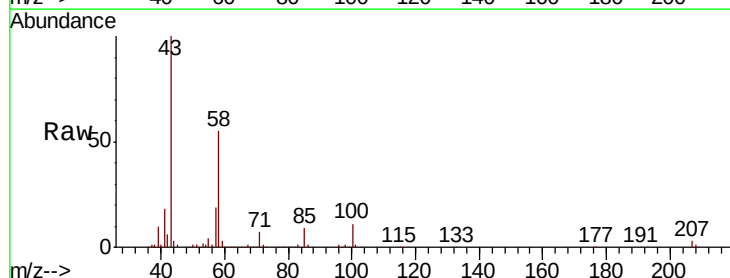
Manual Integrations
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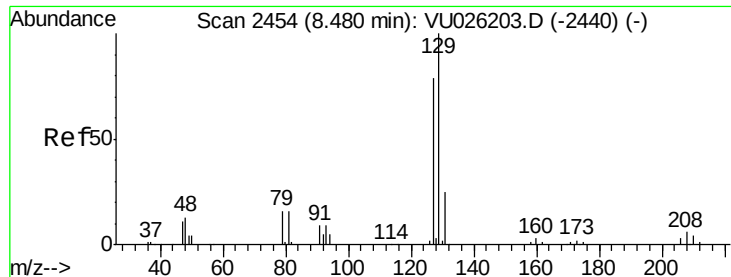
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#54
 2-Hexanone
 Concen: 52.49 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.6	32.5	72.5
57	18.5	0.0	37.9





#55

Dibromochloromethane

Concen: 9.59 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 97714

Ion Ratio Lower Upper

129 100

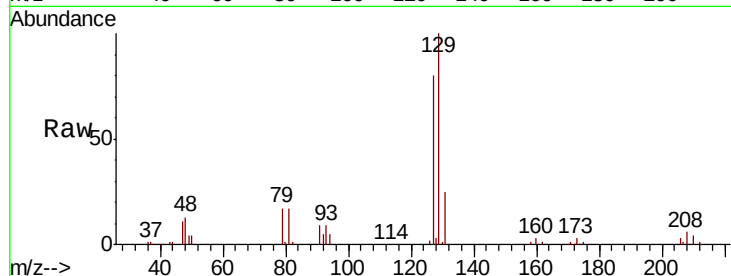
127 79.9 61.1 91.7

Manual Integrations

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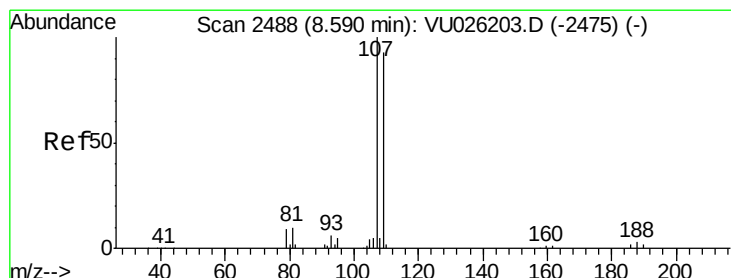
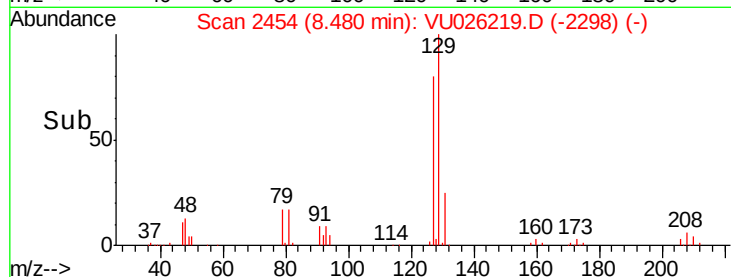
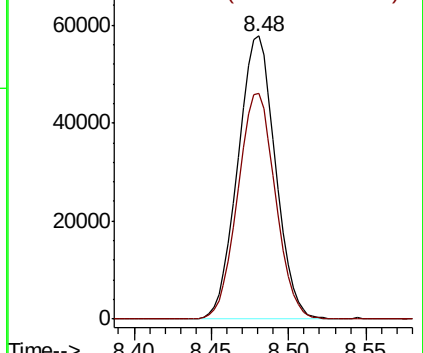
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 9.56 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU026219.D

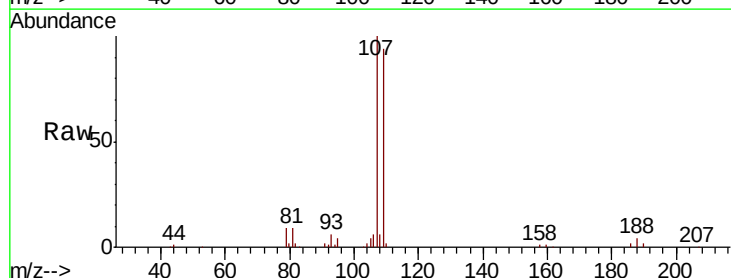
Acq: 20 Aug 2018 19:58

Tgt Ion:107 Resp: 70888

Ion Ratio Lower Upper

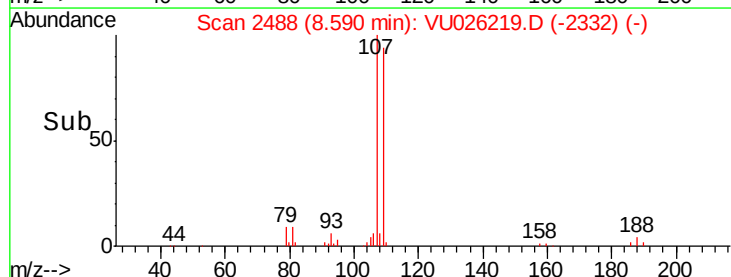
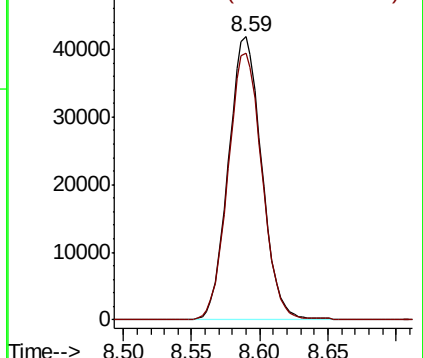
107 100

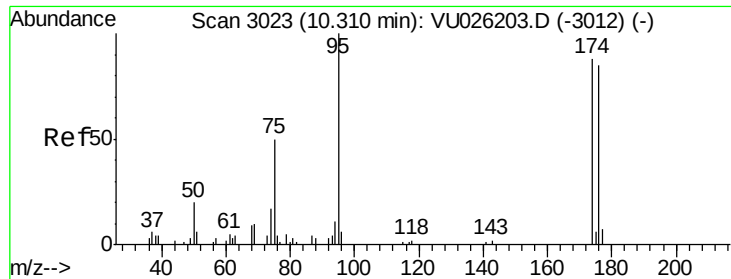
109 95.9 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





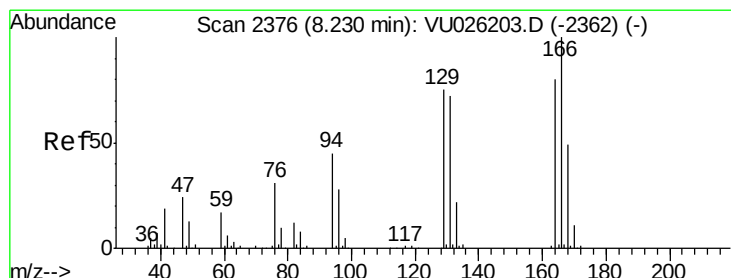
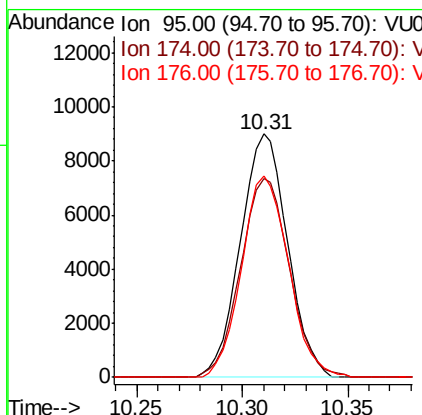
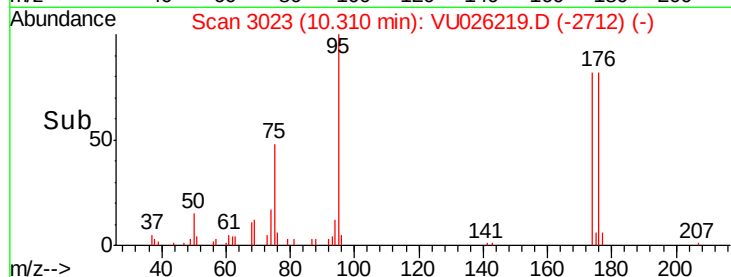
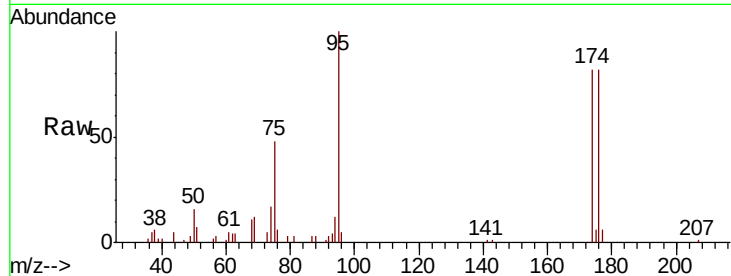
#57
4-Bromofluorobenzene
Concen: 9.56 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	84.6	65.6	98.4
176	82.6	62.0	93.0

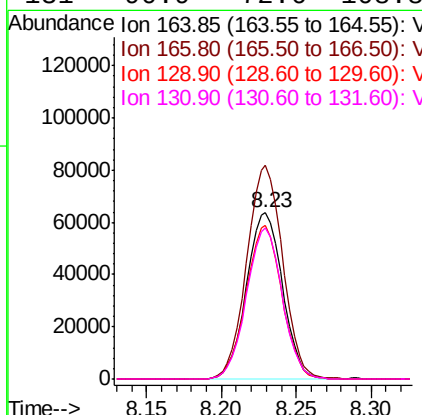
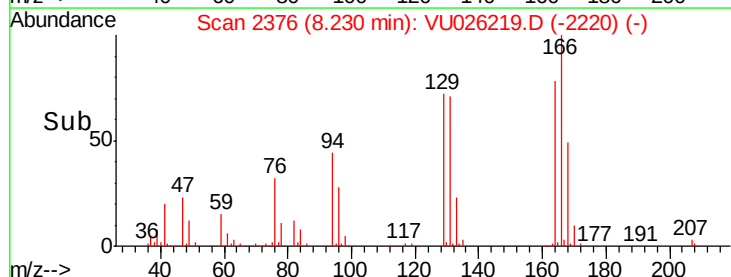
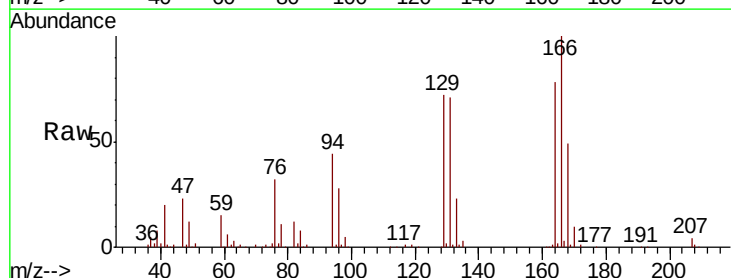
Manual Integrations
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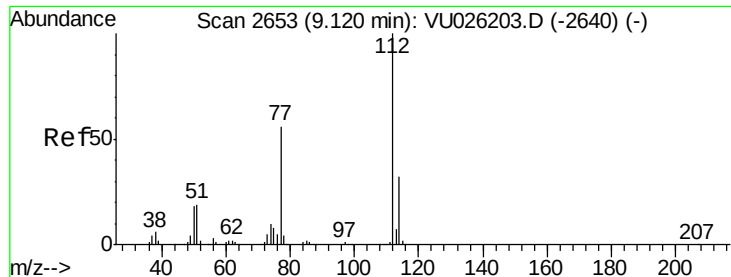
MMDadoda
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#58
Tetrachloroethene
Concen: 9.82 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	104.1	156.1
129	92.5	76.8	115.2
131	90.9	72.6	108.8





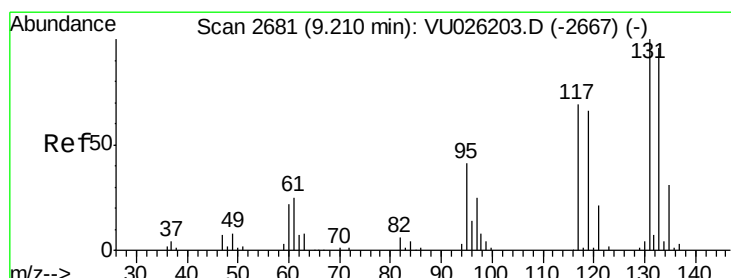
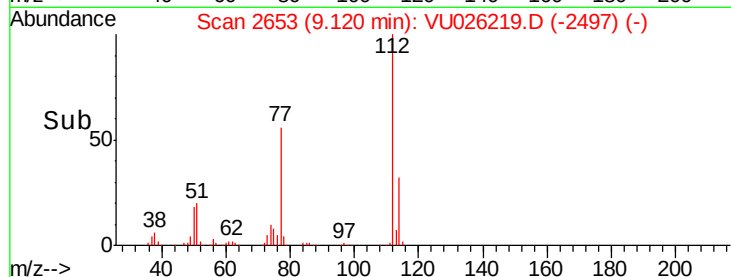
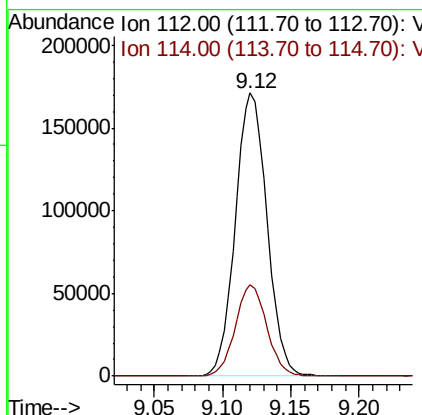
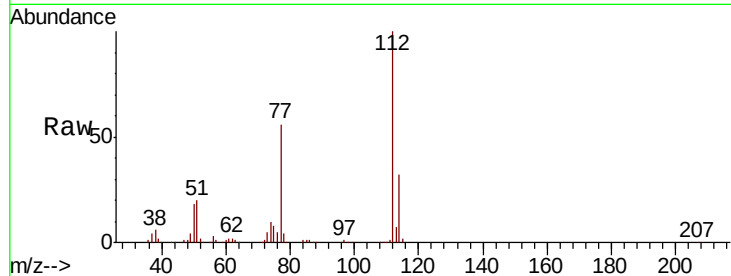
#59
Chlorobenzene
Concen: 10.22 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.4	38.2

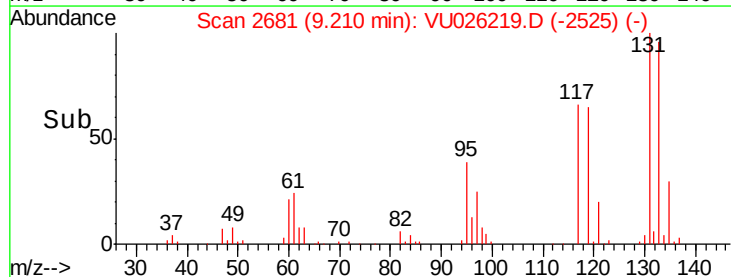
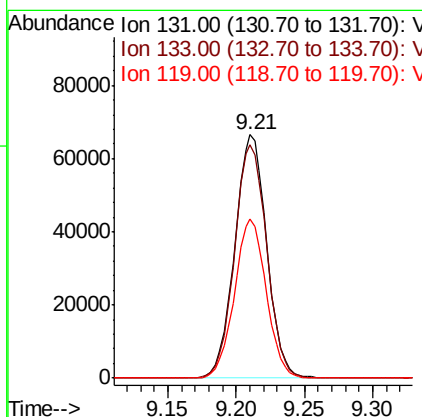
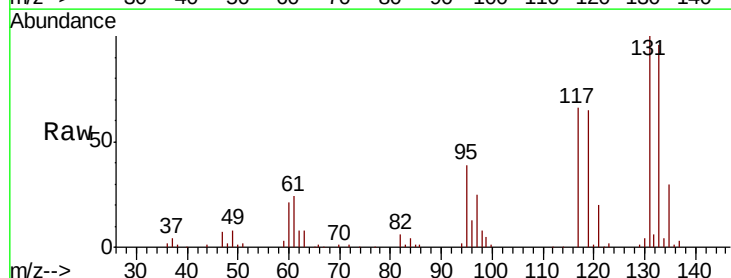
Manual Integrations
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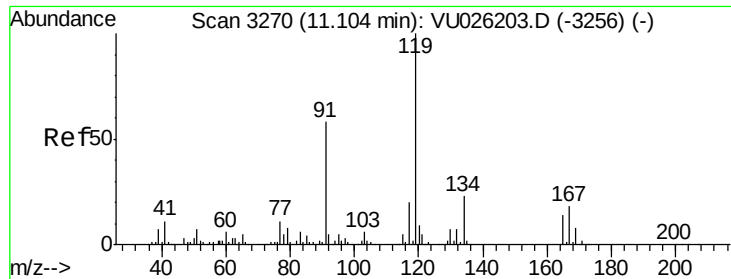
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.01 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	75.8	113.8
119	65.0	53.0	79.6





#61

Pentachloroethane

Concen: 9.63 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 88503

Ion Ratio Lower Upper

117 100

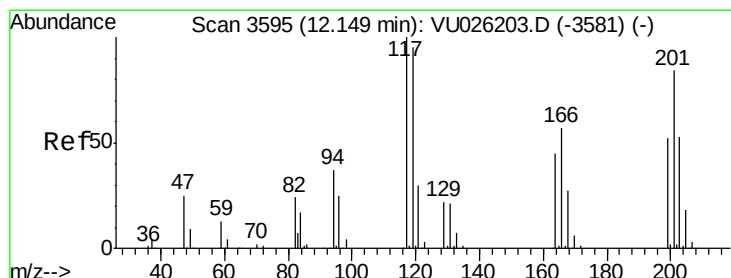
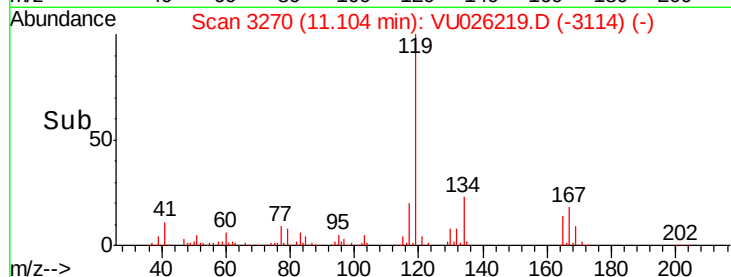
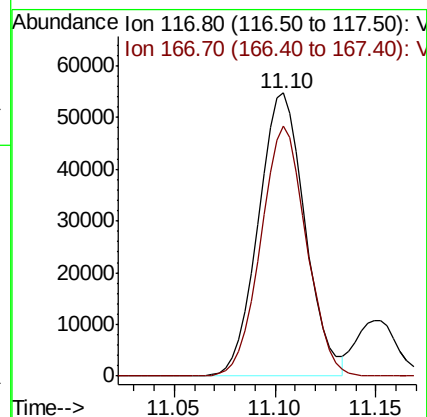
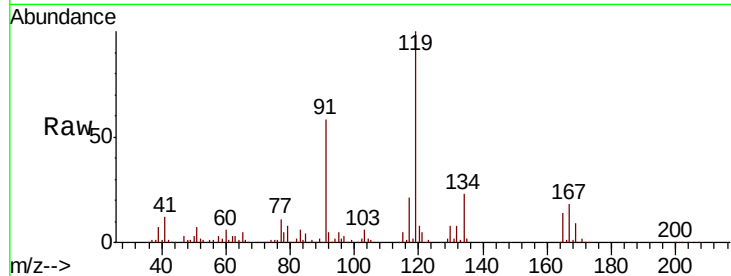
167 85.9 69.2 103.8

Manual Integrations

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#62

Hexachloroethane

Concen: 10.22 ug/l

RT: 12.15 min Scan# 3594

Delta R.T. -0.00 min

Lab File: VU026219.D

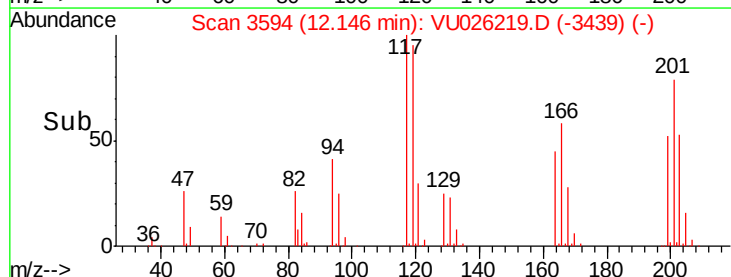
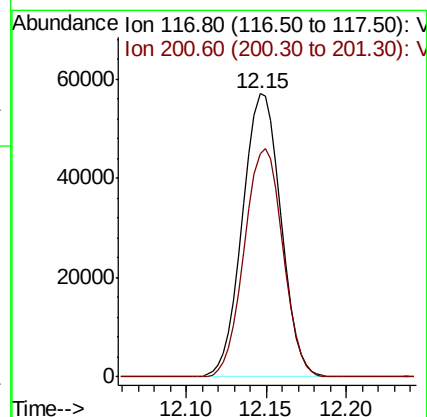
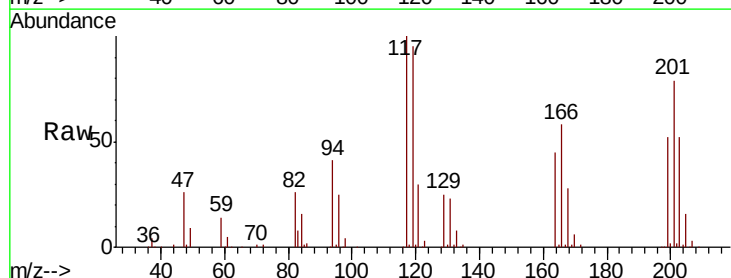
Acq: 20 Aug 2018 19:58

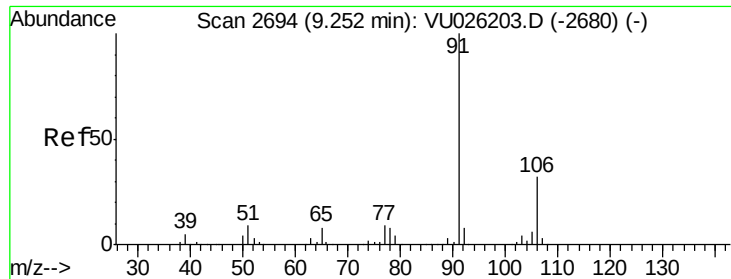
Tgt Ion:117 Resp: 93644

Ion Ratio Lower Upper

117 100

201 80.8 68.7 103.1





#63

Ethyl Benzene

Concen: 11.03 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 472614

Ion Ratio Lower Upper

91 100

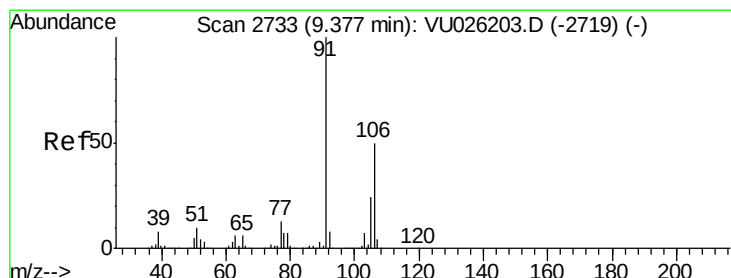
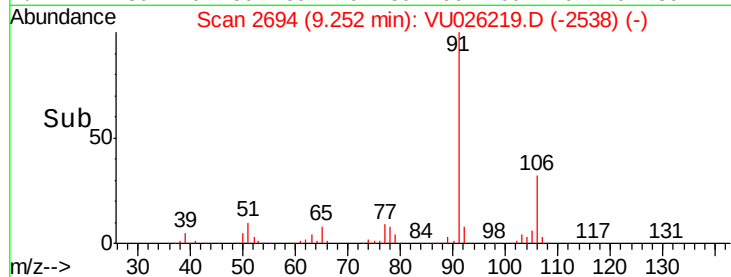
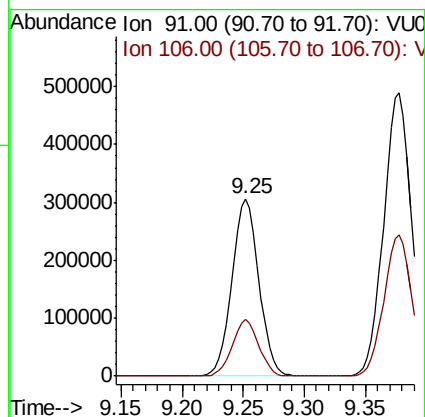
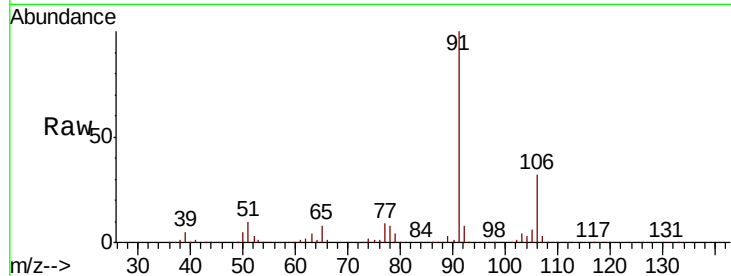
106 31.8 24.7 37.1

Manual Integrations

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8/21/2018 11:38:54 AM



#64

m/p-Xylenes

Concen: 22.82 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026219.D

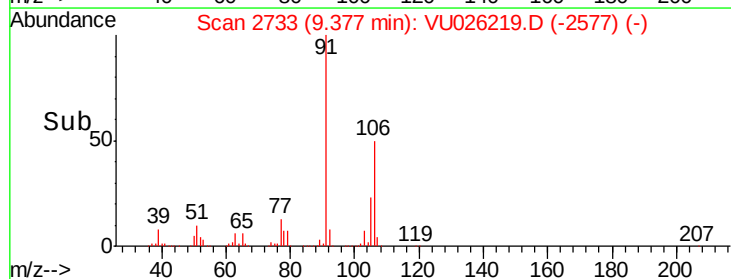
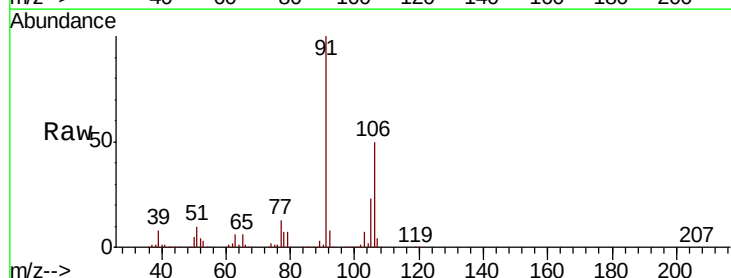
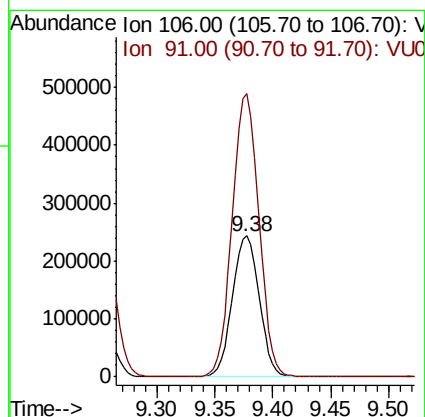
Acq: 20 Aug 2018 19:58

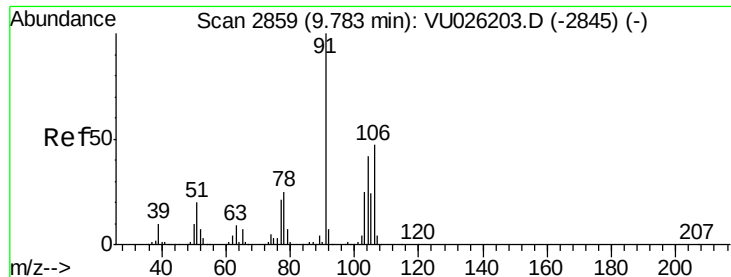
Tgt Ion: 106 Resp: 390249

Ion Ratio Lower Upper

106 100

91 199.6 164.1 246.1





#65

o-Xylene

Concen: 10.93 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:106 Resp: 178229

Ion Ratio Lower Upper

106 100

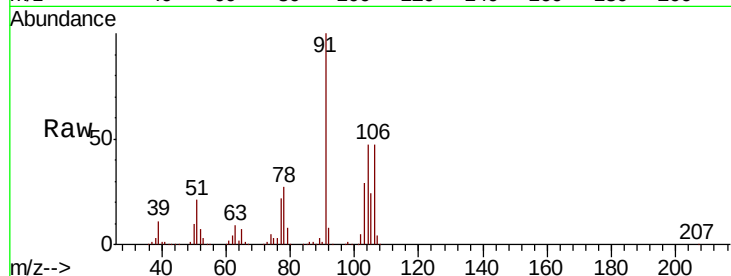
91 213.5 107.9 323.7

Manual Integrations

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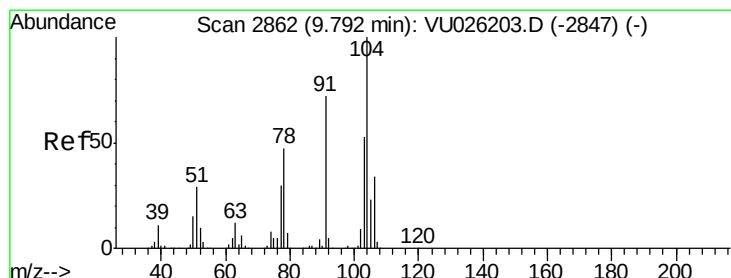
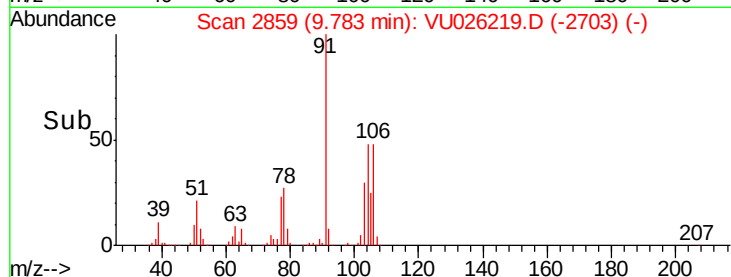
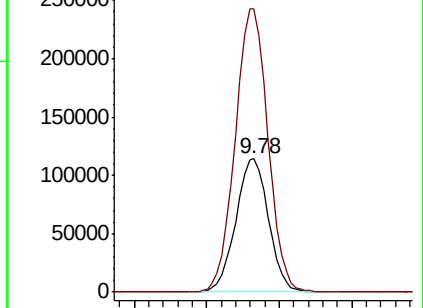
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 11.44 ug/l

RT: 9.79 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

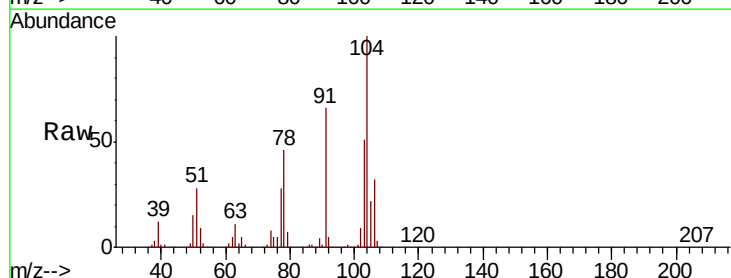
Tgt Ion:104 Resp: 319324

Ion Ratio Lower Upper

104 100

78 50.1 40.2 60.2

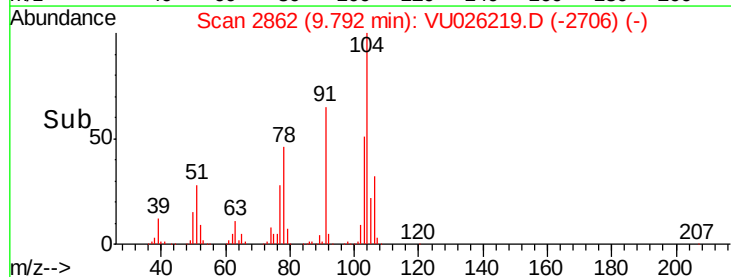
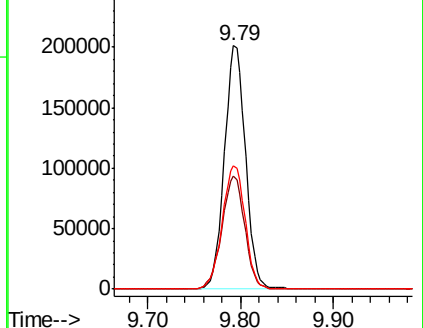
103 54.8 44.2 66.4

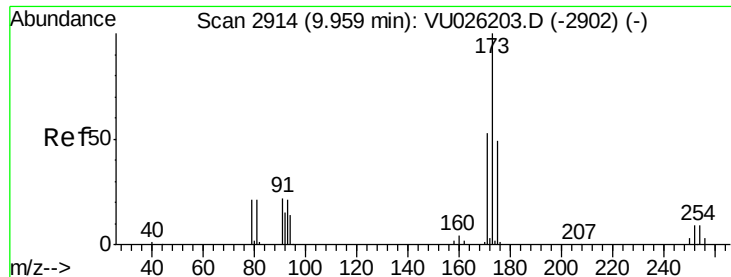


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





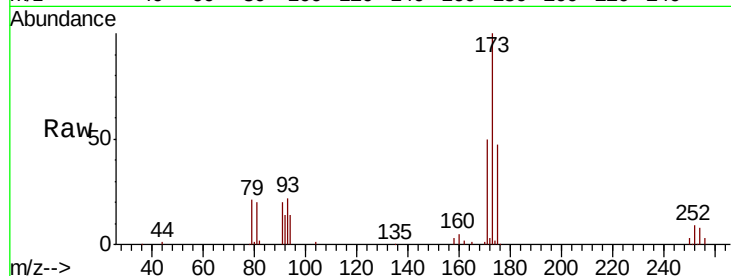
#67
Bromoform
Concen: 9.91 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	57.8
254	7.7	8.8	13.2

Manual Integrations
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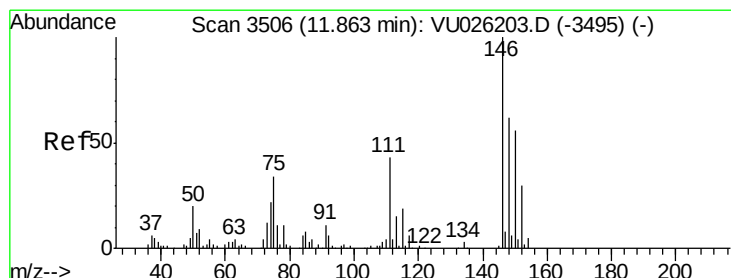
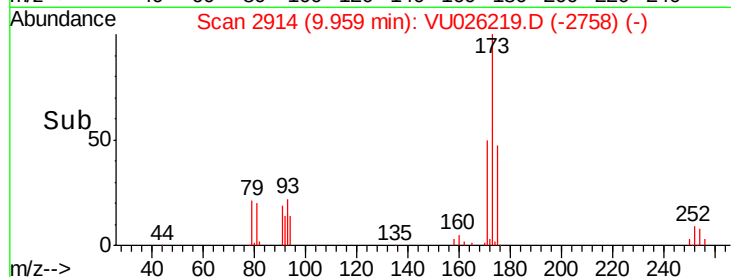
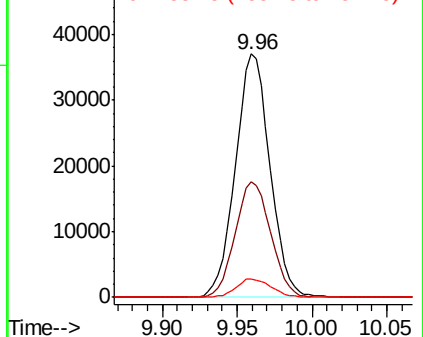


Abundance

Ion 172.90 (172.60 to 173.60): V

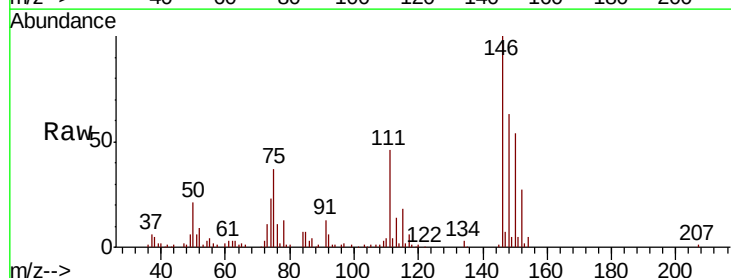
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 9.91 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	0.0	118.8
150	322.8	0.0	0.0

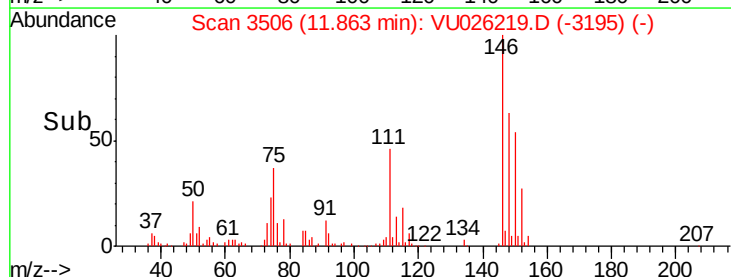
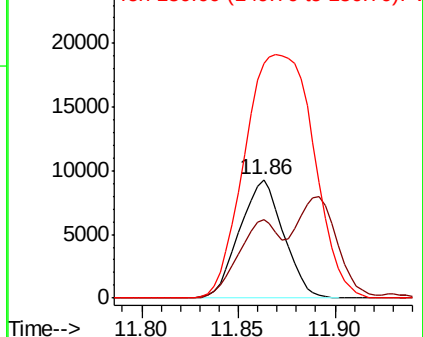


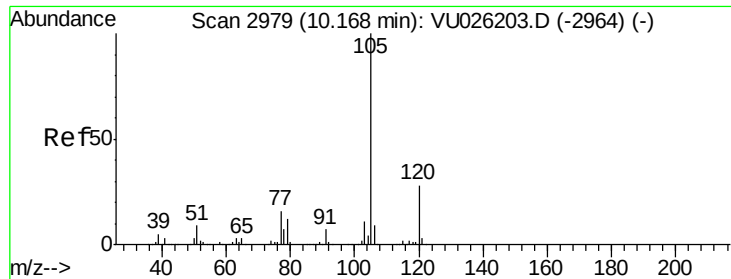
Abundance

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: 11.10 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 478638

Ion Ratio Lower Upper

105 100

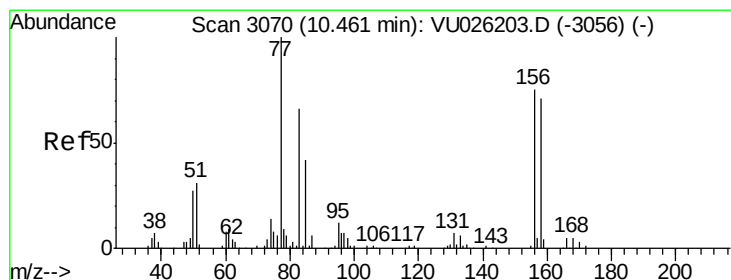
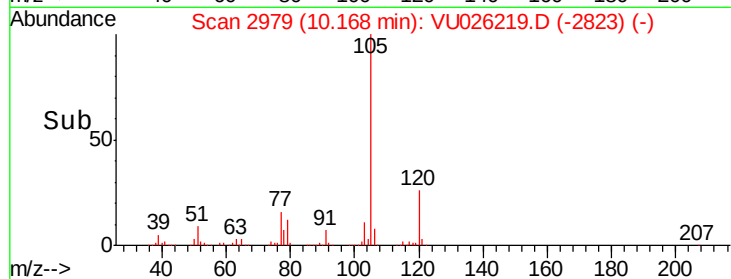
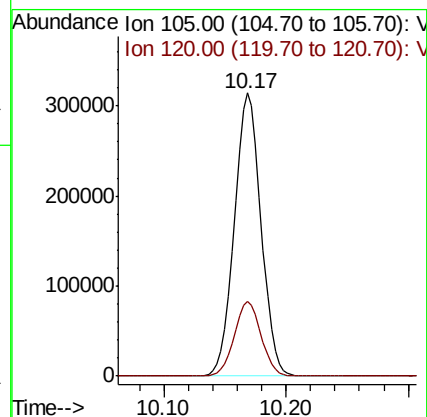
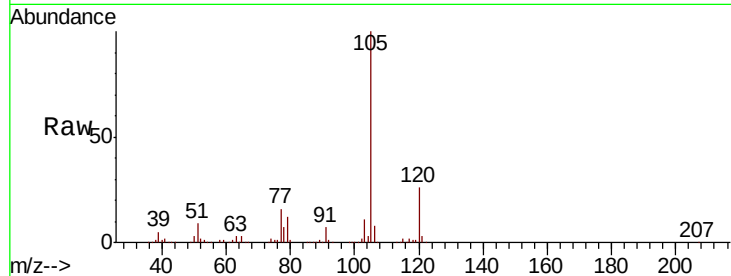
120 26.6 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 9.96 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

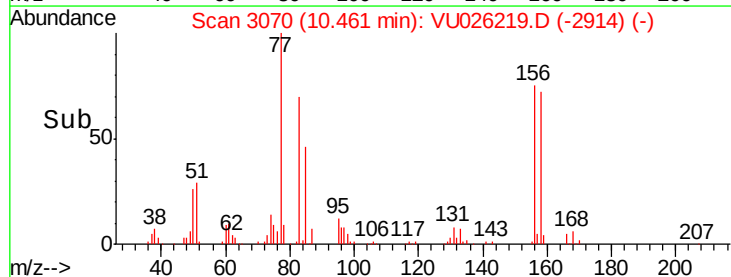
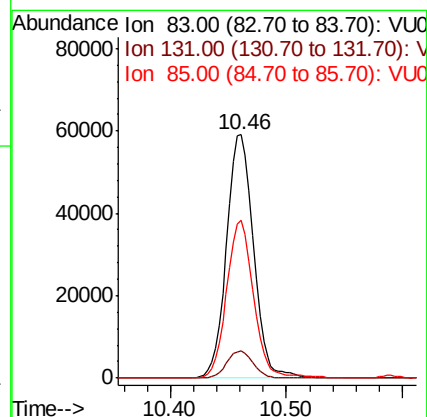
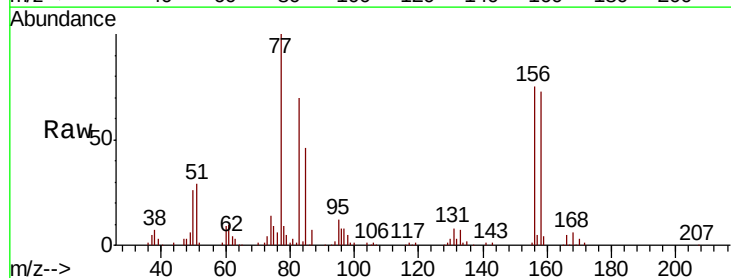
Tgt Ion: 83 Resp: 95236

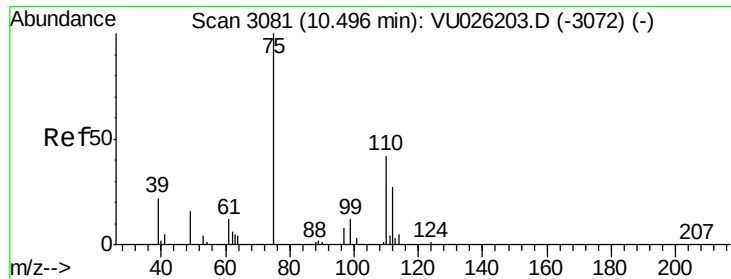
Ion Ratio Lower Upper

83 100

131 10.9 7.9 11.9

85 64.4 51.8 77.6





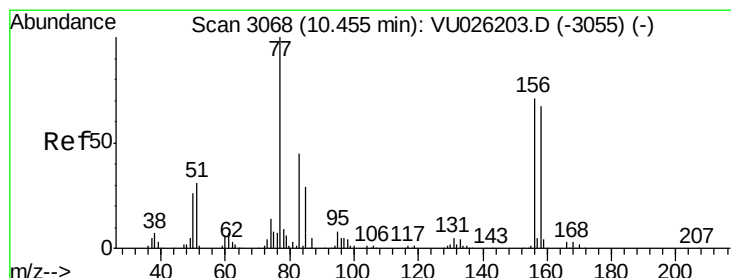
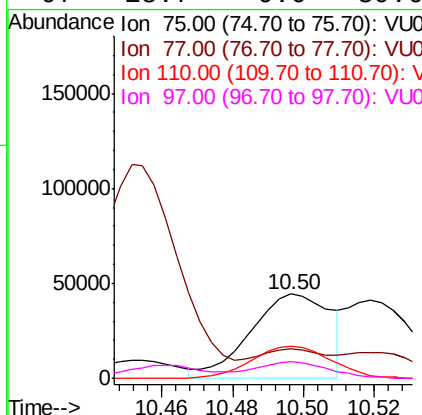
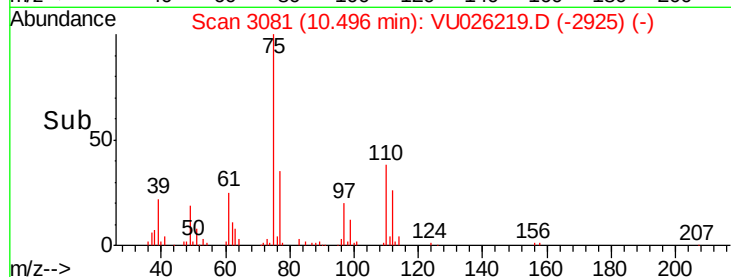
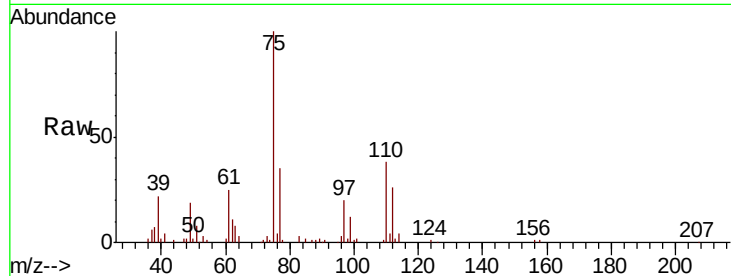
#71
 1,2,3-Trichloropropane
 Concen: 10.15 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	9.0	0.0	0.0#
110	38.0	0.0	74.0
97	18.7	0.0	39.6

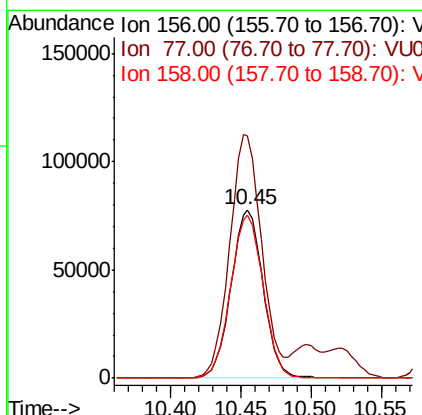
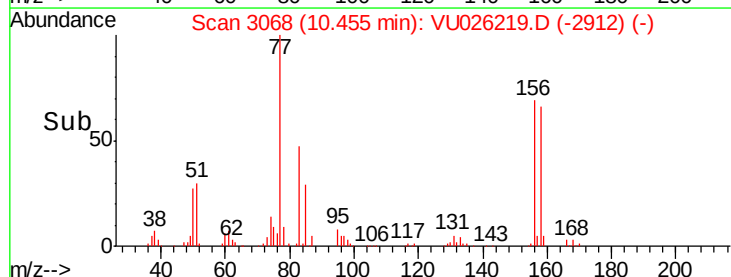
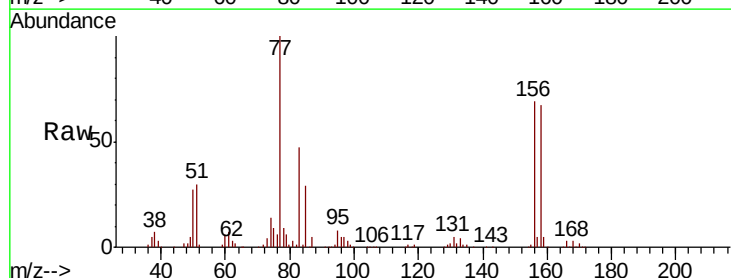
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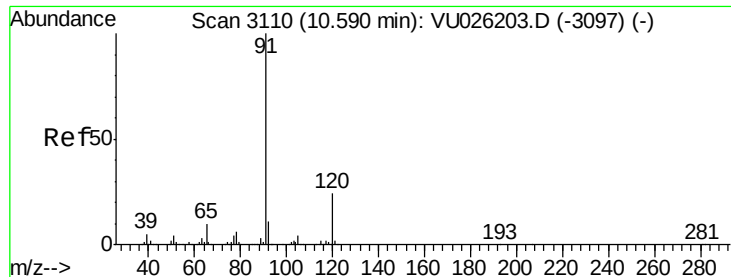
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 8/21/2018 11:38:54 AM



#72
 Bromobenzene
 Concen: 10.24 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
156	100		
77	144.7	0.0	309.8
158	98.8	0.0	193.0





#73

n-propylbenzene

Concen: 11.31 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 142643

Ion Ratio Lower Upper

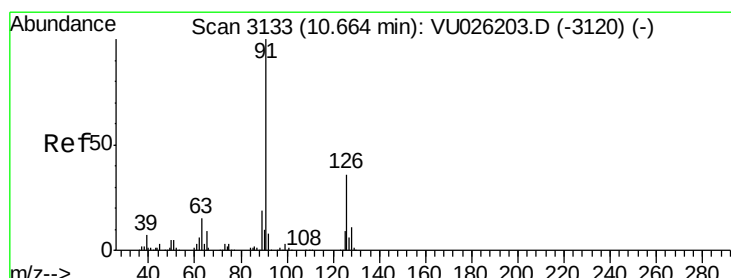
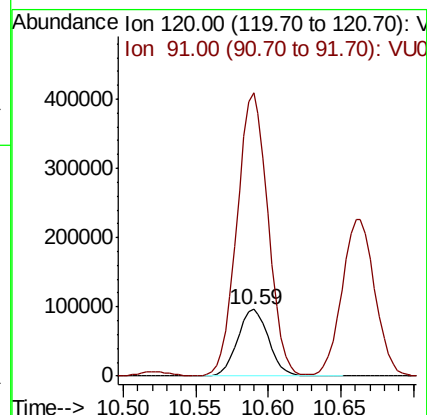
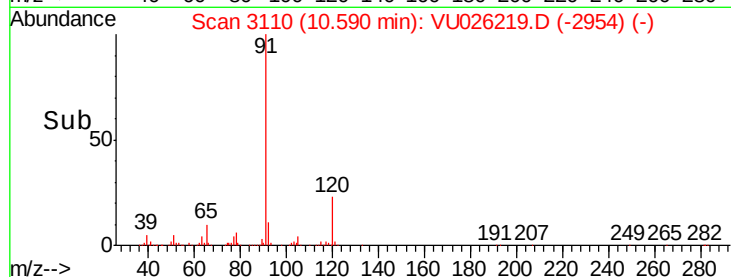
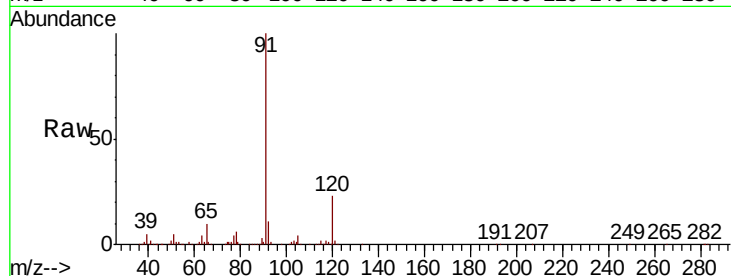
120 100

91 424.4 352.2 528.4

Manual Integrations
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#74

2-Chlorotoluene

Concen: 10.92 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026219.D

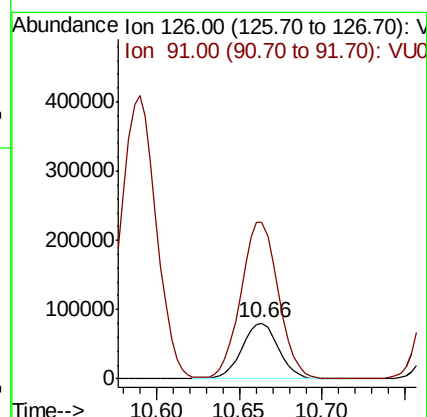
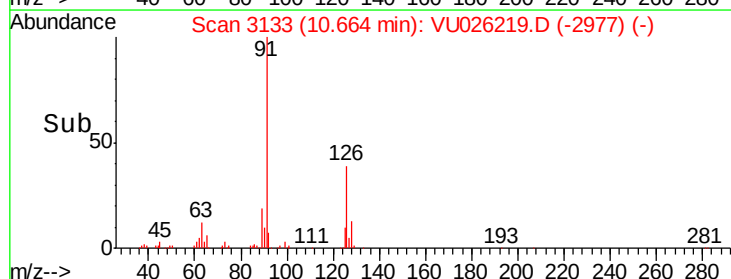
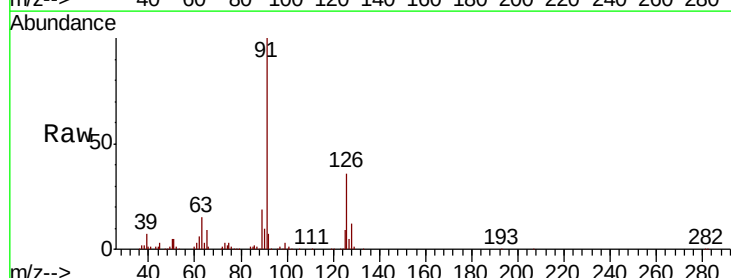
Acq: 20 Aug 2018 19:58

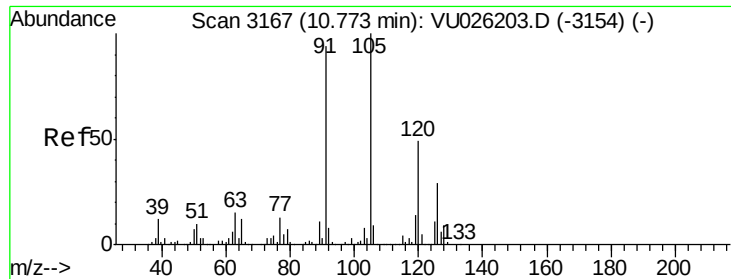
Tgt Ion:126 Resp: 124202

Ion Ratio Lower Upper

126 100

91 284.8 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 11.50 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 440494

Ion Ratio Lower Upper

105 100

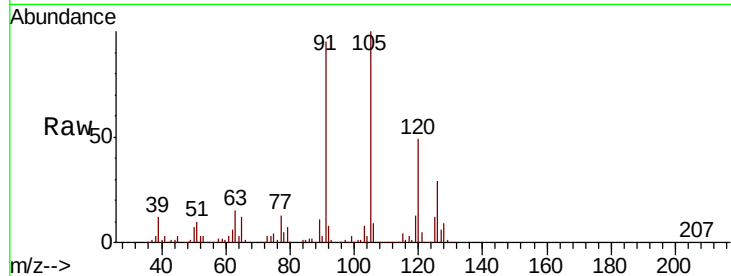
120 48.6 39.0 58.6

Manual Integrations

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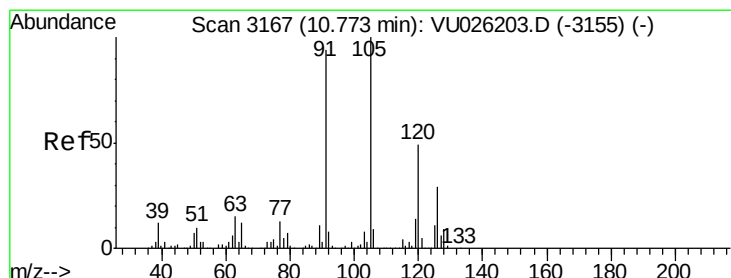
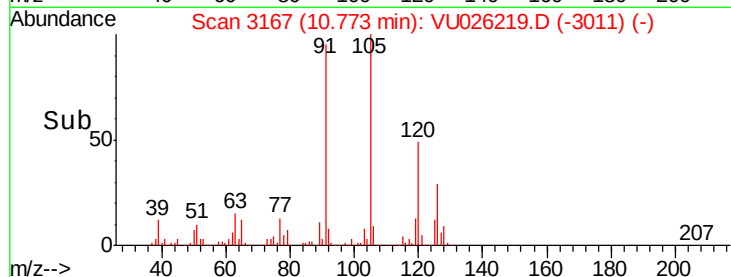
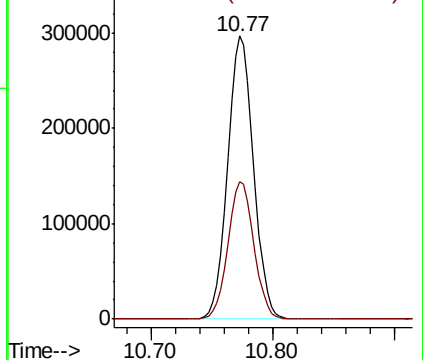
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 11.11 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026219.D

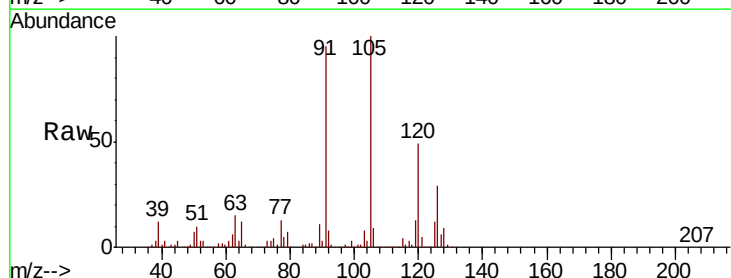
Acq: 20 Aug 2018 19:58

Tgt Ion:126 Resp: 129913

Ion Ratio Lower Upper

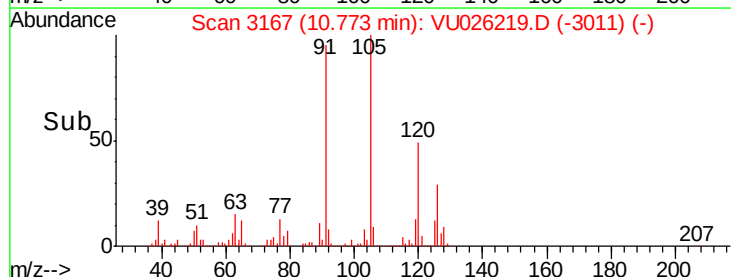
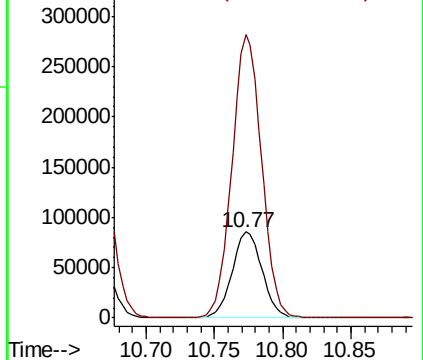
126 100

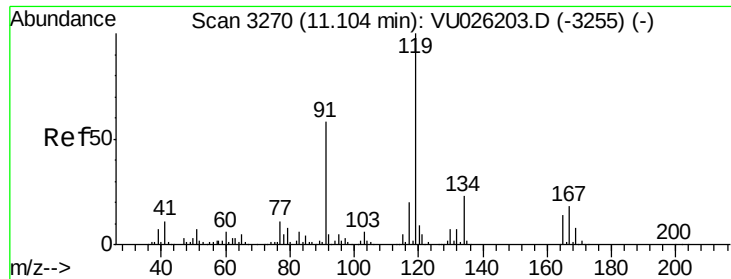
91 325.8 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





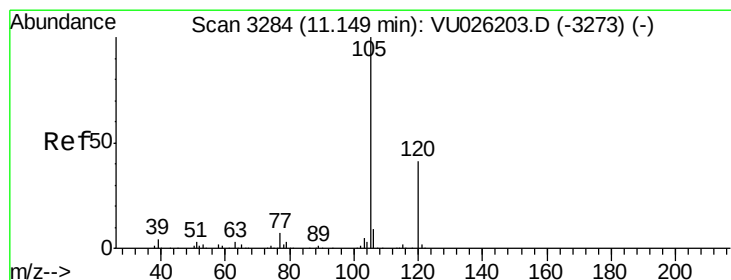
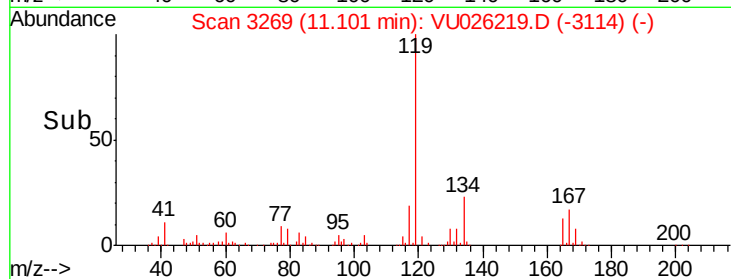
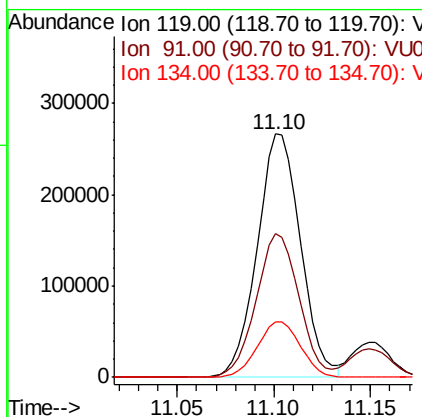
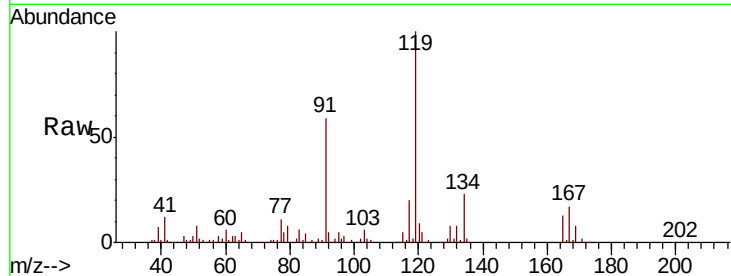
#77
 tert-Butylbenzene
 Concen: 10.87 ug/l
 RT: 11.10 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	29.6	88.8
134	22.9	19.1	28.7

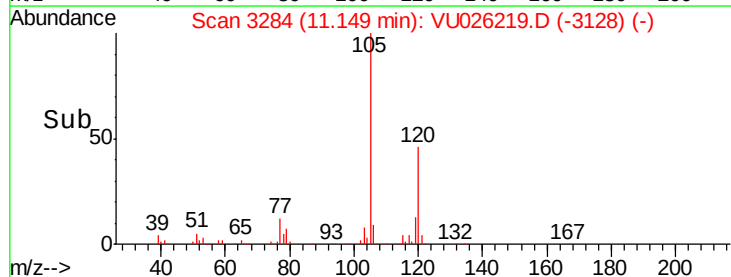
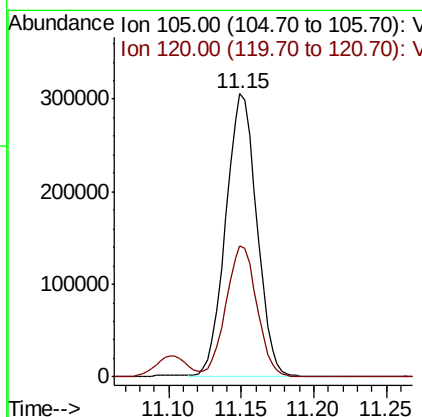
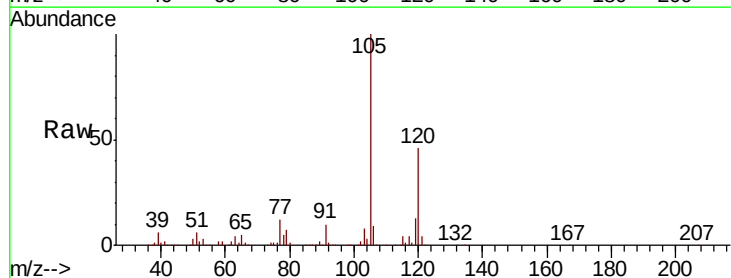
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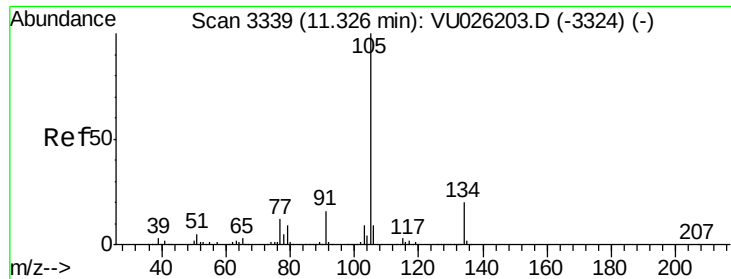
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#78
 1,2,4-Trimethylbenzene
 Concen: 11.46 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.3





#79

sec-Butylbenzene

Concen: 11.19 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 559759

Ion Ratio Lower Upper

105 100

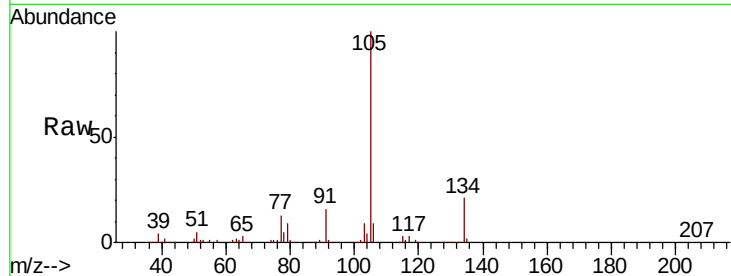
134 20.5 15.6 23.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

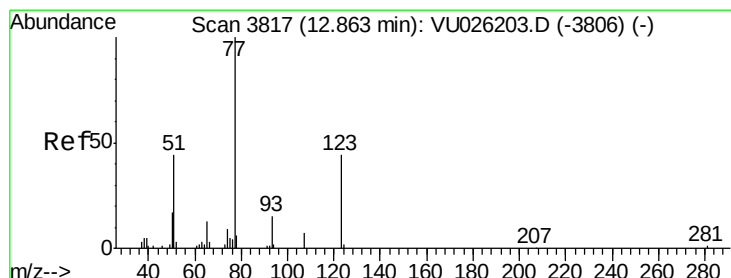
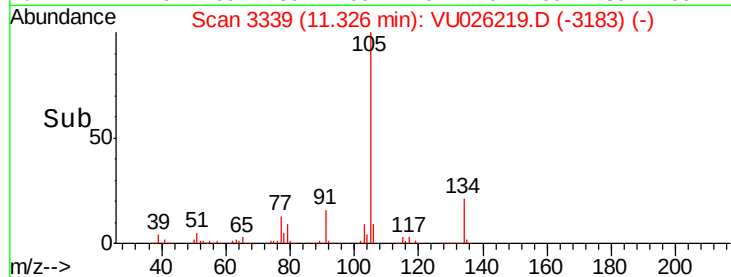
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 49.10 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. 0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

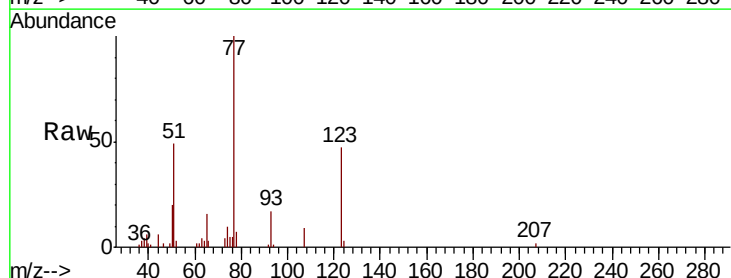
Tgt Ion: 77 Resp: 20508

Ion Ratio Lower Upper

77 100

123 45.4 19.4 68.6

65 13.9 11.2 14.2



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

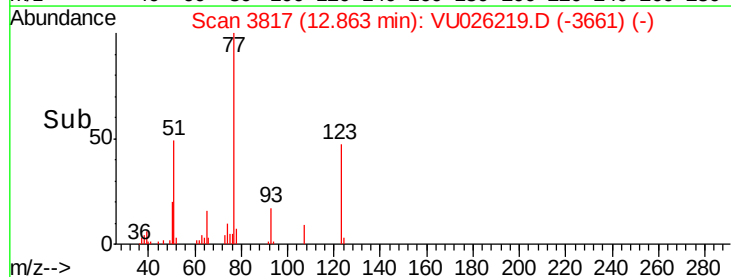
15000

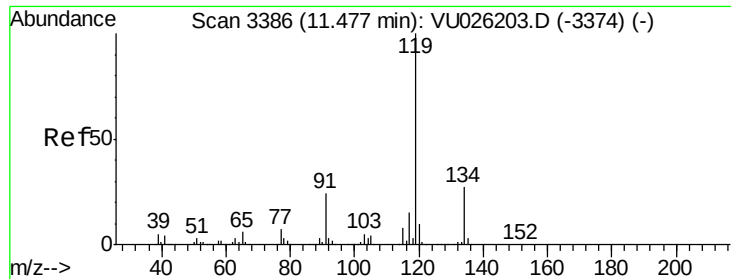
10000

5000

0

Time-->





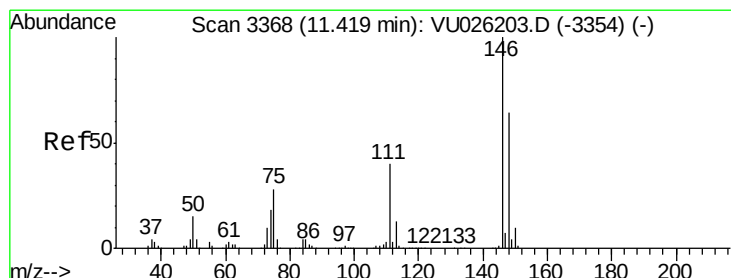
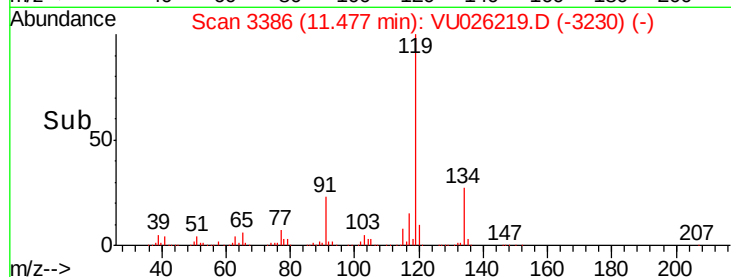
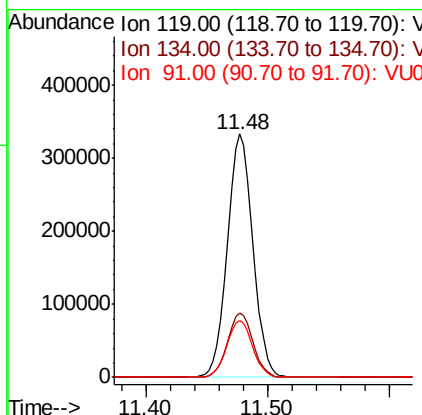
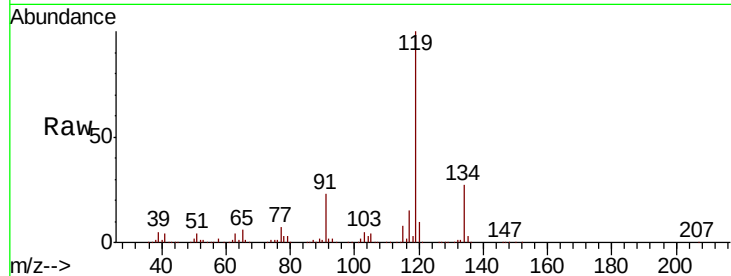
#81
 p-Isopropyltoluene
 Concen: 11.56 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	119	Resp:	488937
Ion Ratio	Lower	Upper	
119	100		
134	26.4	20.9	31.3
91	23.5	18.2	27.2

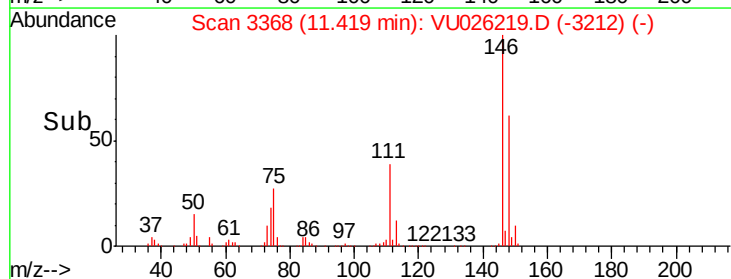
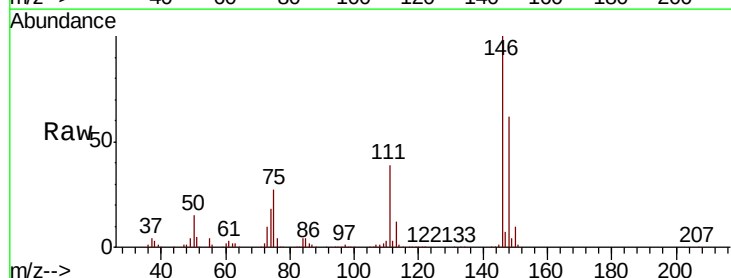
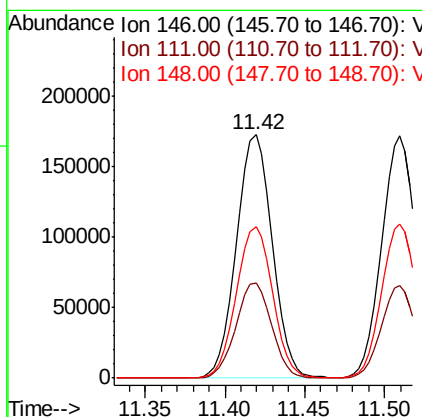
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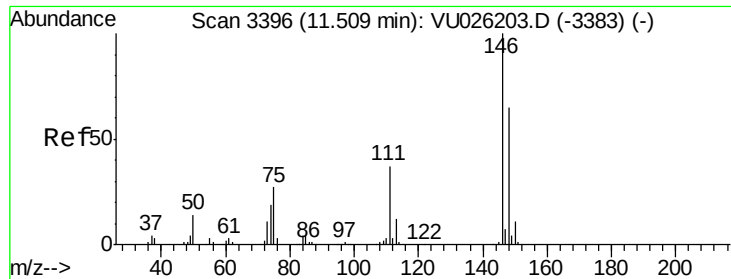
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#82
 1,3-Dichlorobenzene
 Concen: 10.35 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion:	146	Resp:	263131
Ion Ratio	Lower	Upper	
146	100		
111	38.9	31.8	47.6
148	62.9	51.0	76.4





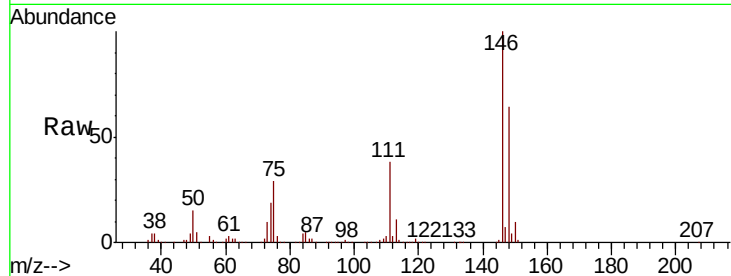
#83
 1,4-Dichlorobenzene
 Concen: 10.31 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

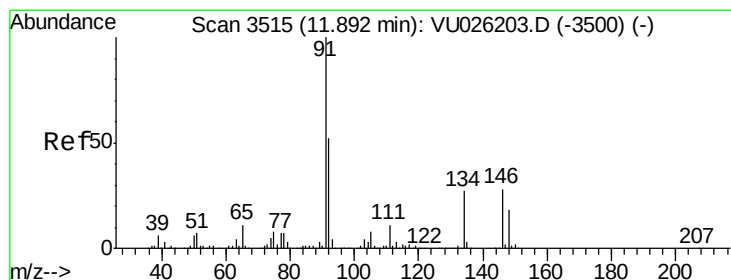
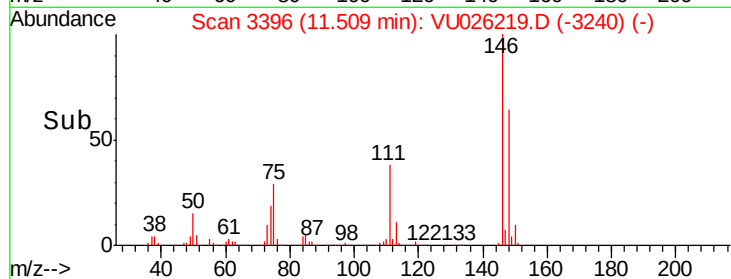
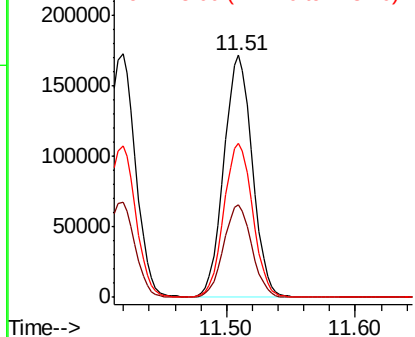
Tot Ion:	146	Resp:	261694
Ion Ratio	Lower	Upper	
146	100		
111	37.8	30.1	45.1
148	64.8	50.6	76.0

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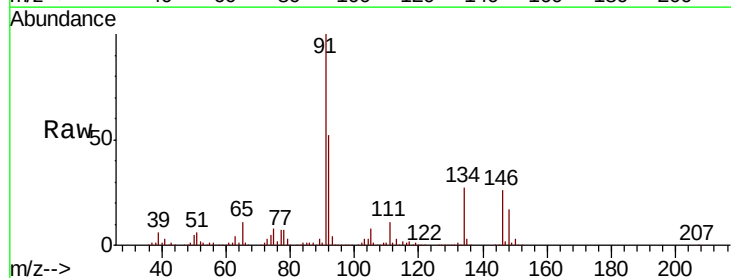


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

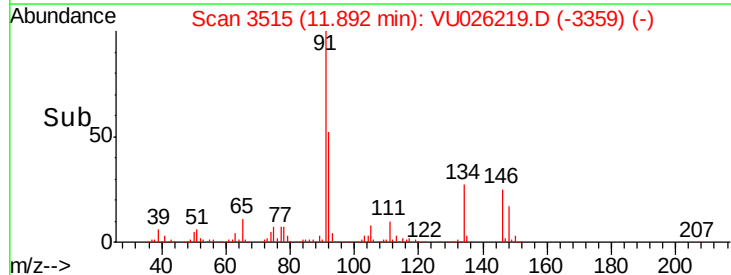
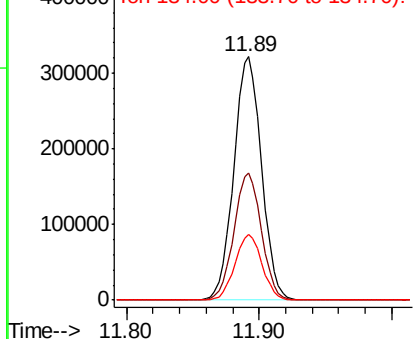


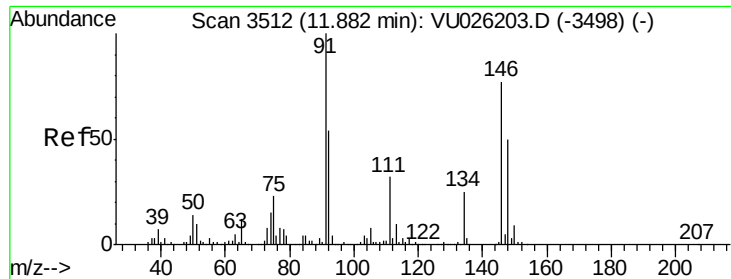
#84
 n-Butylbenzene
 Concen: 11.36 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion:	91	Resp:	464961
Ion Ratio	Lower	Upper	
91	100		
92	52.0	42.2	63.2
134	26.5	20.3	30.5



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





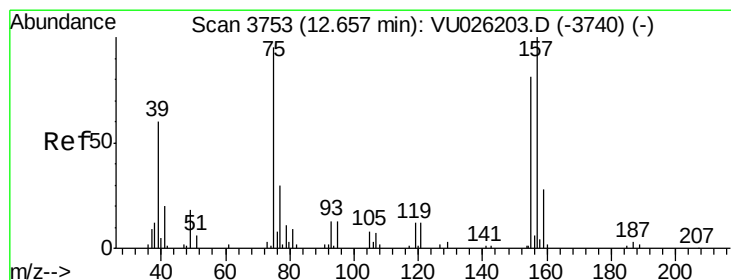
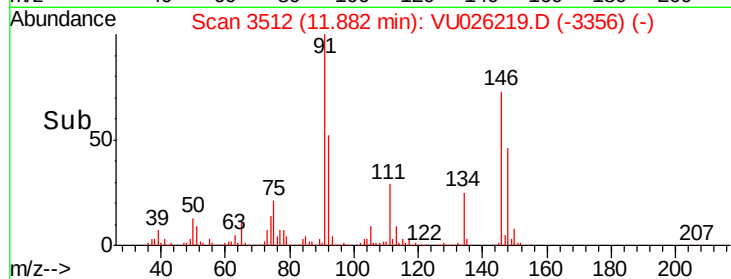
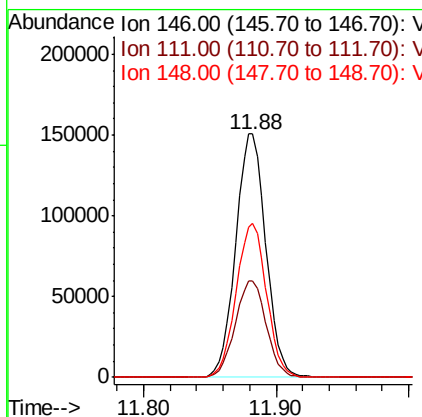
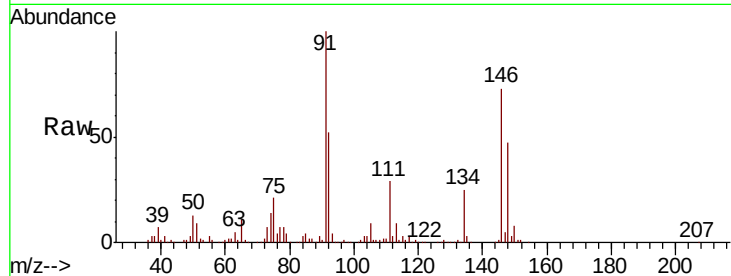
#85
 1,2-Dichlorobenzene
 Concen: 10.19 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	63.8	31.9	95.5

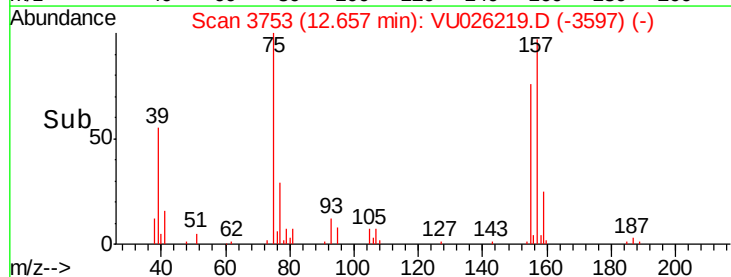
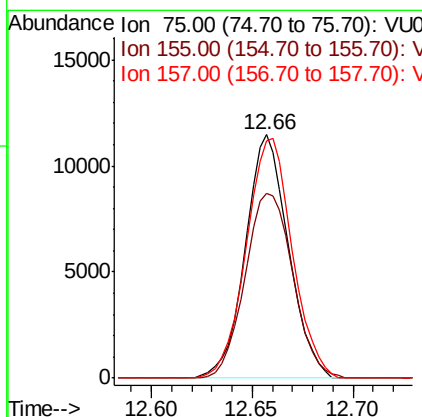
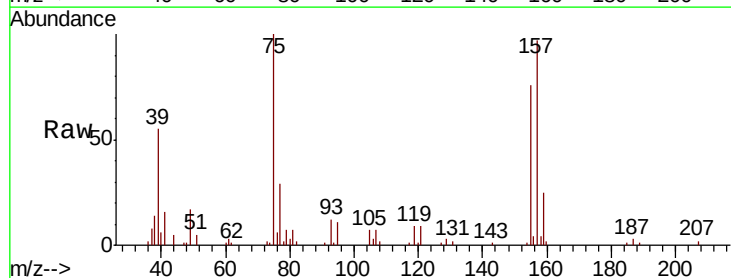
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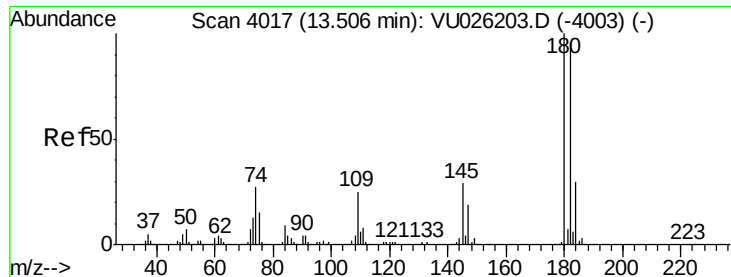
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 10.17 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026219.D
 Acq: 20 Aug 2018 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.3	65.8	98.6
157	105.1	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 10.08 ug/l

RT: 13.50 min Scan# 4016

Delta R.T. -0.00 min

Lab File: VU026219.D

Acq: 20 Aug 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

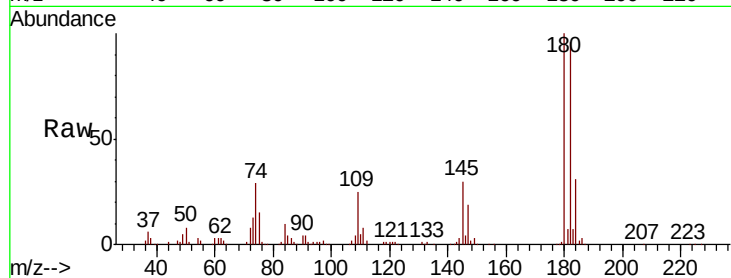
VSTDCCC010EC

Tot Ion:	180	Resp:	165456
Ion Ratio	Lower	Upper	
180	100		
182	96.1	77.1	115.7
145	29.9	23.3	34.9

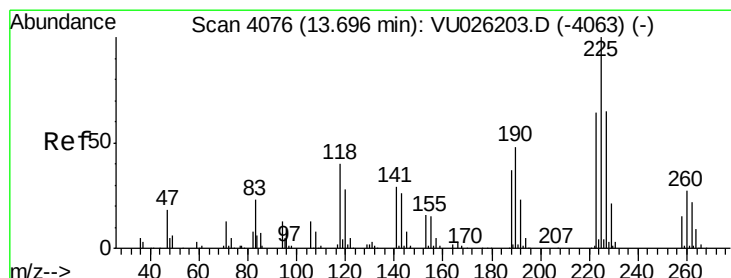
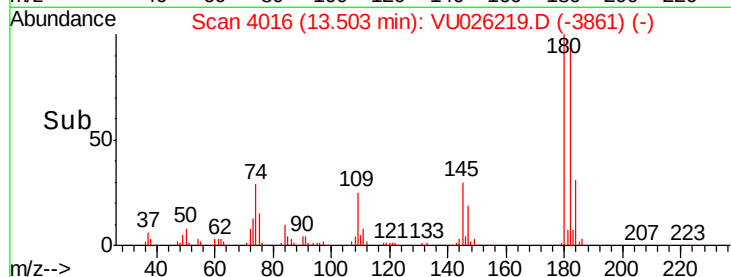
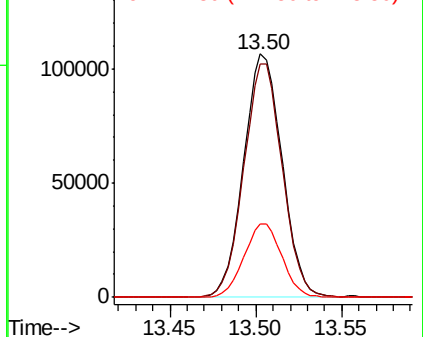
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Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 10.04 ug/l

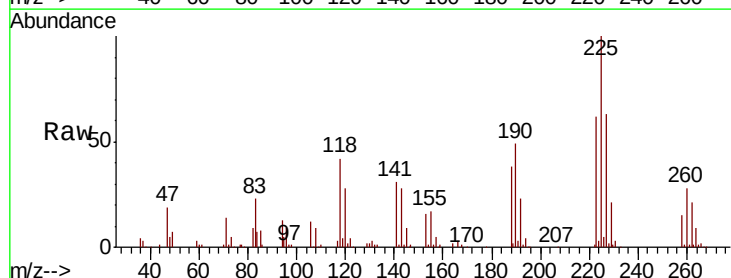
RT: 13.69 min Scan# 4075

Delta R.T. -0.00 min

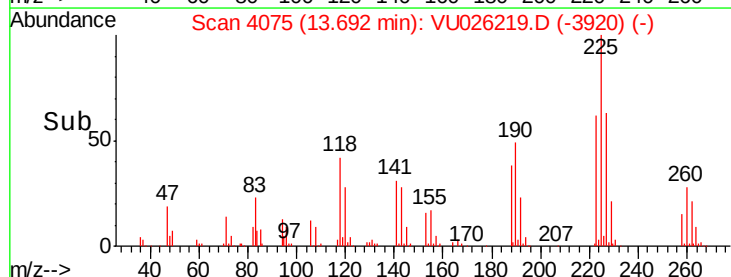
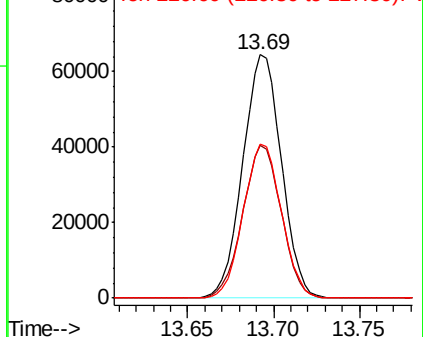
Lab File: VU026219.D

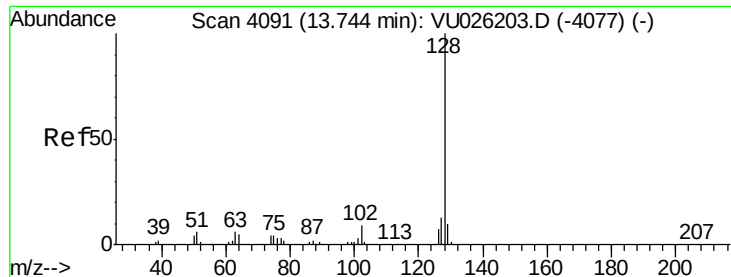
Acq: 20 Aug 2018 19:58

Tgt Ion:	225	Resp:	100791
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.6	75.8
227	62.3	51.8	77.6



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





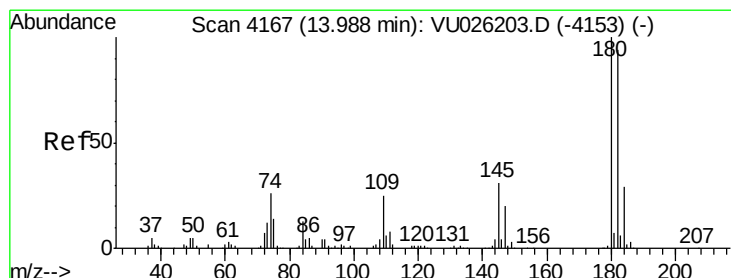
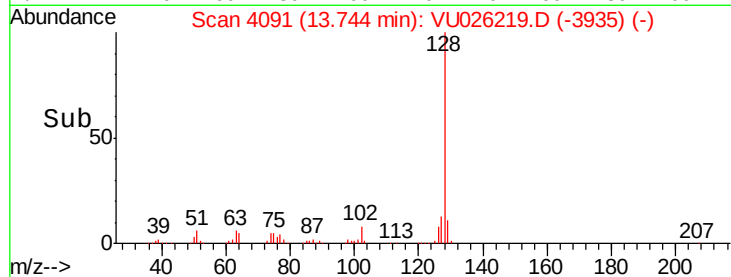
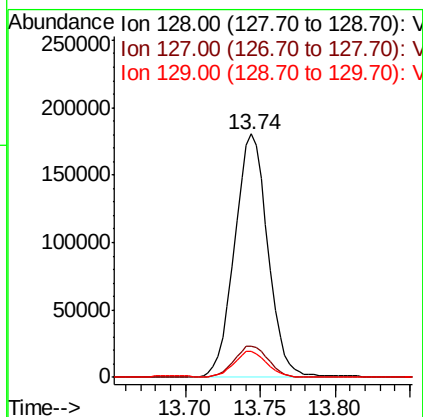
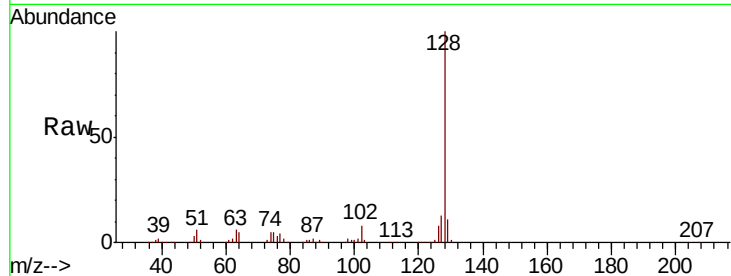
#89
Naphthalene
Concen: 10.82 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		279737		
127	13.2	10.5	15.7		
129	10.5	8.7	13.1		

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#90
1,2,3-Trichlorobenzene
Concen: 10.42 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026219.D
Acq: 20 Aug 2018 19:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		161022		
182	95.1	76.8	115.2		
145	31.1	24.6	36.8		

