

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027191.D
 Acq On : 26 Sep 2018 21:17
 Operator : MD/SY
 Sample : VU0926WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:23 PM

Quant Time: Sep 27 02:53:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	73530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	129950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	125077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	82043	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
35) Dibromofluoromethane	4.88	113	57614	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	7.57	98	216837	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	10.31	95	75778	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	15436	16.079	ug/l 95
3) Chloromethane	1.33	50	24710	14.929	ug/l 98
4) Vinyl Chloride	1.40	62	26417	17.098	ug/l 99
5) Bromomethane	1.62	94	10389	11.808	ug/l 95
6) Chloroethane	1.70	64	17261	17.485	ug/l 99
7) Trichlorofluoromethane	1.88	101	31448	17.921	ug/l 97
8) Diethyl Ether	2.11	74	15409	18.243	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	19126	17.726	ug/l 98
10) Methyl Iodide	2.41	142	7681	5.740	ug/l 98
11) Tert butyl alcohol	2.83	59	34863	102.778	ug/l 100
12) 1,1-Dichloroethene	2.28	96	18039	17.763	ug/l 95
13) Acrolein	2.20	56	13536	74.026	ug/l 95
14) Allyl chloride	2.59	41	41408	20.103	ug/l 96
15) Acrylonitrile	2.94	53	94382	110.397	ug/l 99
16) Acetone	2.32	43	84303	97.093	ug/l 98
17) Carbon Disulfide	2.48	76	52719	15.935	ug/l 98
18) Methyl Acetate	2.62	43	50068	23.769	ug/l 97
19) Methyl tert-butyl Ether	3.00	73	78297	20.980	ug/l 99
20) Methylene Chloride	2.70	84	25118	18.952	ug/l 96
21) trans-1,2-Dichloroethene	2.98	96	20390	18.805	ug/l 99
22) Diisopropyl ether	3.58	45	98623	22.385	ug/l 97
23) Vinyl Acetate	3.53	43	409595	109.065	ug/l 98
24) 1,1-Dichloroethane	3.45	63	49617	20.448	ug/l 99
25) 2-Butanone	4.27	43	133179	107.083	ug/l 99
26) 2,2-Dichloropropane	4.23	77	29240	15.452	ug/l 100
27) cis-1,2-Dichloroethene	4.23	96	25240	20.612	ug/l 98
28) Bromochloromethane	4.55	49	27684	23.668	ug/l 94
29) Tetrahydrofuran	4.64	42	87053	115.707	ug/l 95
30) Chloroform	4.68	83	45964	20.407	ug/l 99
31) Cyclohexane	5.00	56	41899	18.635	ug/l 96
32) 1,1,1-Trichloroethane	4.92	97	36028	20.034	ug/l 99
36) 1,1-Dichloropropene	5.14	75	31031	17.892	ug/l 99
37) Ethyl Acetate	4.39	43	47439	20.205	ug/l 98
38) Carbon Tetrachloride	5.14	117	30354	18.391	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	31987	16.972	ug/l	98
40) Benzene	5.39	78	97223	18.440	ug/l	99
41) Methacrylonitrile	4.55	41	27475	22.533	ug/l	97
42) 1,2-Dichloroethane	5.41	62	39798	19.979	ug/l	99
43) Isopropyl Acetate	5.55	43	74275	21.692	ug/l	98
44) Trichloroethene	6.19	130	20766	18.501	ug/l	96
45) 1,2-Dichloropropane	6.43	63	29703	19.772	ug/l	97
46) Dibromomethane	6.56	93	17280	19.046	ug/l	100
47) Bromodichloromethane	6.76	83	35831	19.531	ug/l	95
48) Methyl methacrylate	6.63	41	35381	19.613	ug/l	98
49) 1,4-Dioxane	6.62	88	11791	317.403	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	255497	110.948	ug/l	99
52) Toluene	7.64	92	58954	19.508	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	38217	19.389	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	41602	19.195	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	25153	19.642	ug/l	97
56) Ethyl methacrylate	8.02	69	39250	19.084	ug/l	96
57) 1,3-Dichloropropane	8.24	76	48181	20.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	118169	96.753	ug/l	98
59) 2-Hexanone	8.36	43	193702	107.455	ug/l	98
60) Dibromochloromethane	8.48	129	24778	19.727	ug/l	95
61) 1,2-Dibromoethane	8.59	107	25886	19.429	ug/l	99
64) Tetrachloroethene	8.23	164	17689	18.353	ug/l	98
65) Chlorobenzene	9.12	112	59504	17.942	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	22463	19.665	ug/l	99
67) Ethyl Benzene	9.25	91	104260	19.118	ug/l	99
68) m/p-Xylenes	9.38	106	77360	36.002	ug/l	99
69) o-Xylene	9.78	106	37244	19.275	ug/l	97
70) Styrene	9.79	104	61382	18.208	ug/l	99
71) Bromoform	9.96	173	18044	20.427	ug/l #	100
73) Isopropylbenzene	10.17	105	101767	20.029	ug/l	99
74) N-amyl acetate	10.02	43	61465	20.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	45892	19.644	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42378m	20.884	ug/l	
77) Bromobenzene	10.45	156	24159	19.457	ug/l	96
78) n-propylbenzene	10.59	91	119610	19.895	ug/l	98
79) 2-Chlorotoluene	10.66	91	74983	19.856	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	83959	20.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	10616m	16.742	ug/l	
82) 4-Chlorotoluene	10.77	91	85130	20.104	ug/l	98
83) tert-Butylbenzene	11.10	119	79531	19.179	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	85606	20.055	ug/l	98
85) sec-Butylbenzene	11.32	105	100737	19.901	ug/l	100
86) p-Isopropyltoluene	11.48	119	84055	18.296	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	42909	18.571	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	44239	17.567	ug/l	96
89) n-Butylbenzene	11.89	91	74992	17.900	ug/l	97
90) Hexachloroethane	12.15	117	16981	18.448	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	43837	17.861	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9939	20.855	ug/l	97

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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	25856	18.281	ug/l	98
94) Hexachlorobutadiene	13.69	225	13410	17.919	ug/l	98
95) Naphthalene	13.75	128	92754	17.895	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	28793	18.983	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion:168 Resp: 73530

Ion Ratio Lower Upper

168 100

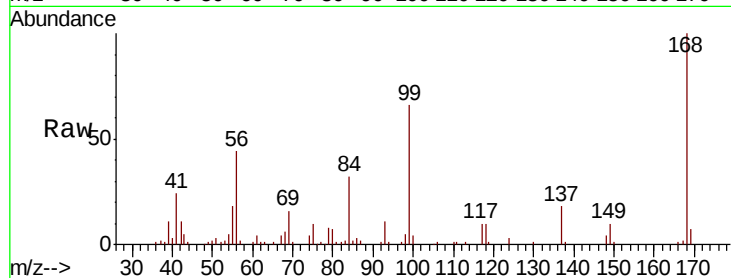
99 64.5 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

30000

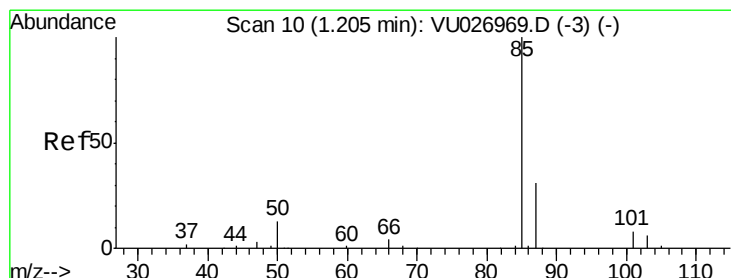
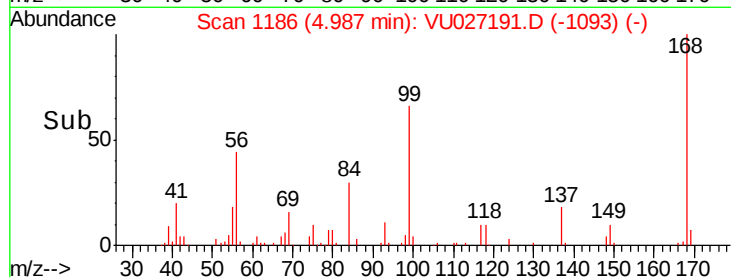
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 16.079 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027191.D

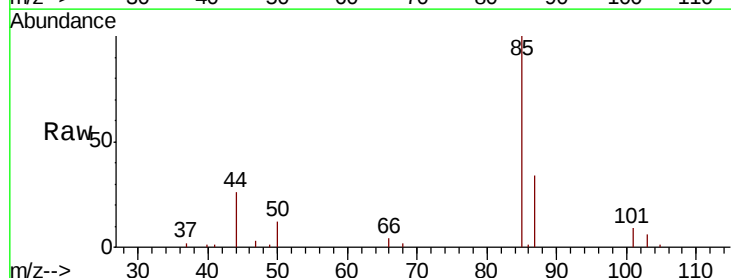
Acq: 26 Sep 2018 21:17

Tgt Ion: 85 Resp: 15436

Ion Ratio Lower Upper

85 100

87 33.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

15000

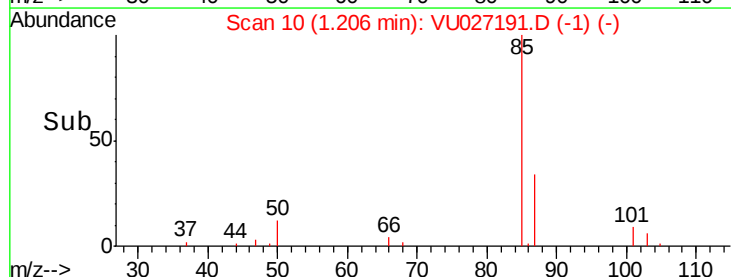
10000

5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 14.929 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion: 50 Resp: 24710

Ion Ratio Lower Upper

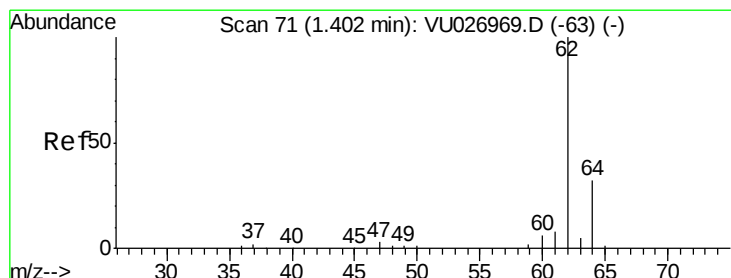
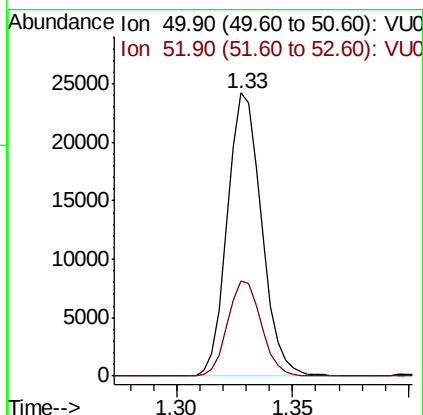
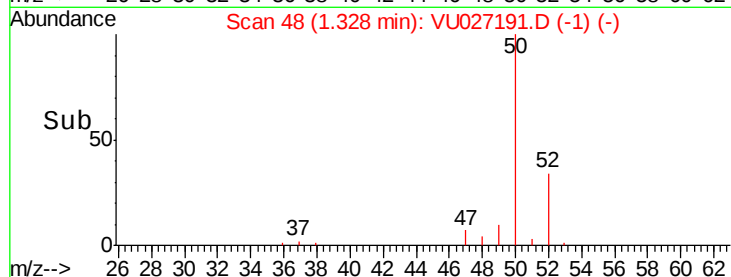
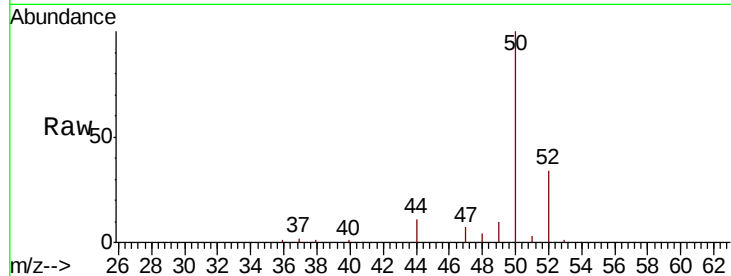
50 100

52 33.7 25.9 38.9

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#4

Vinyl Chloride

Concen: 17.098 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027191.D

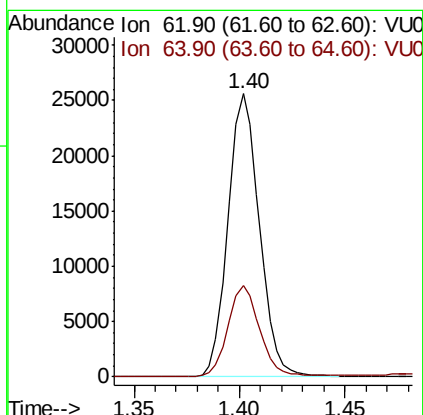
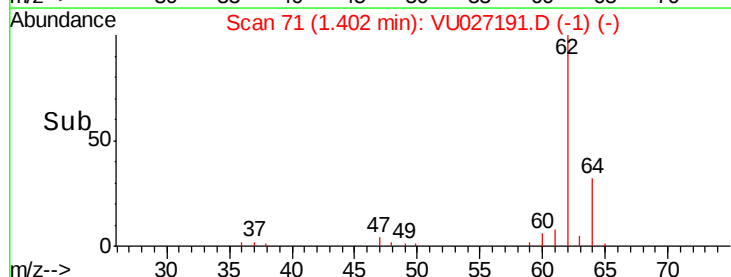
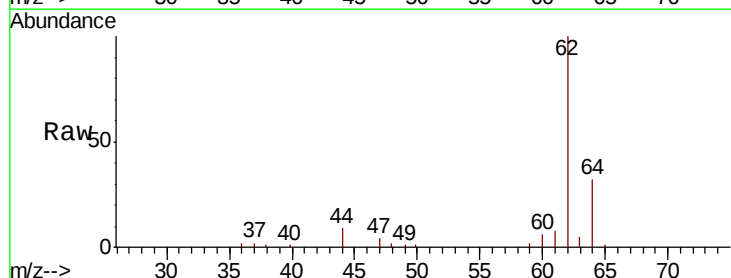
Acq: 26 Sep 2018 21:17

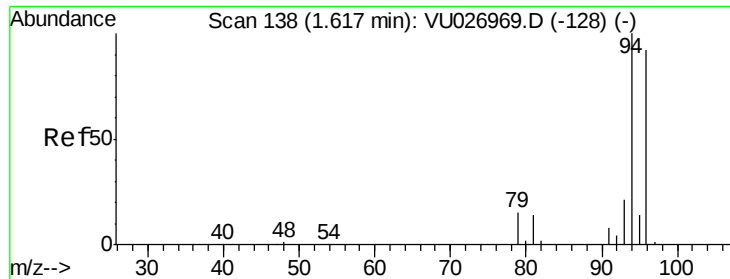
Tgt Ion: 62 Resp: 26417

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





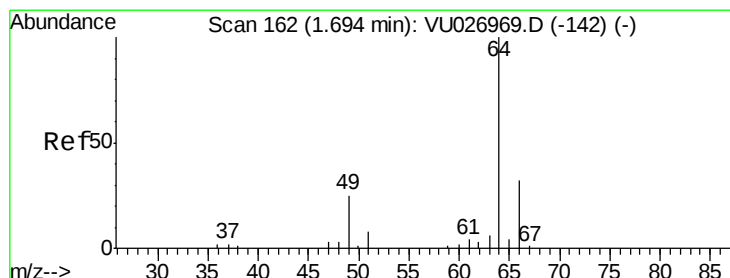
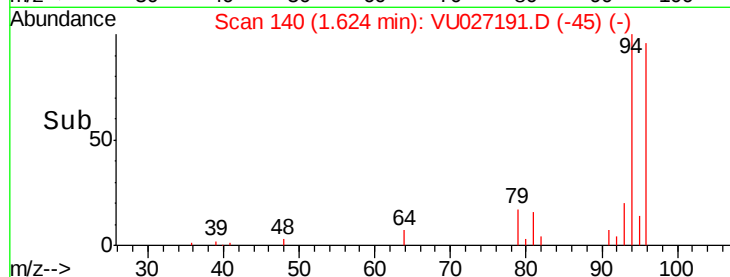
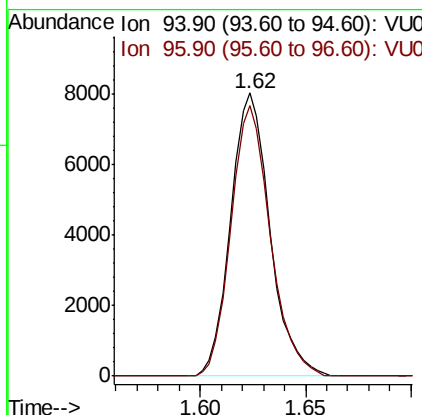
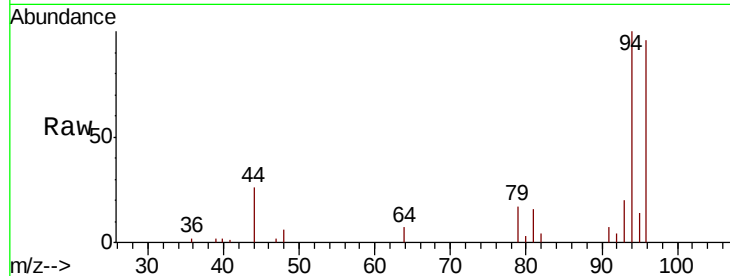
#5
Bromomethane
Concen: 11.808 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion: 94 Resp: 10389
Ion Ratio Lower Upper
94 100
96 95.8 73.2 109.8

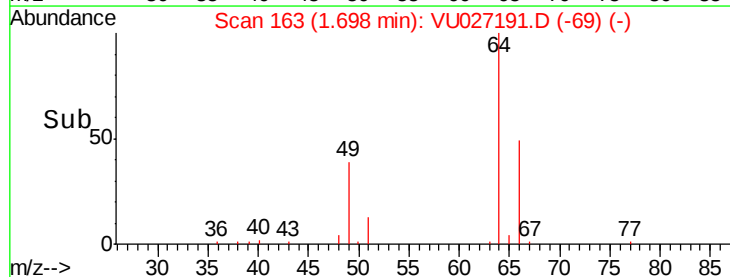
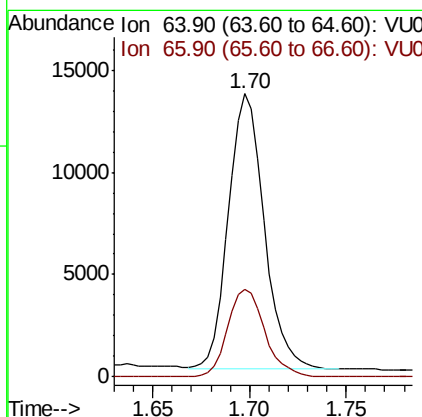
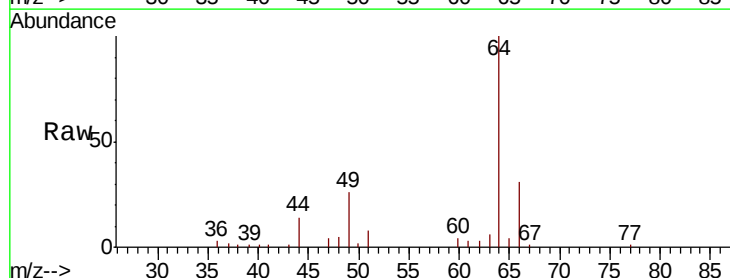
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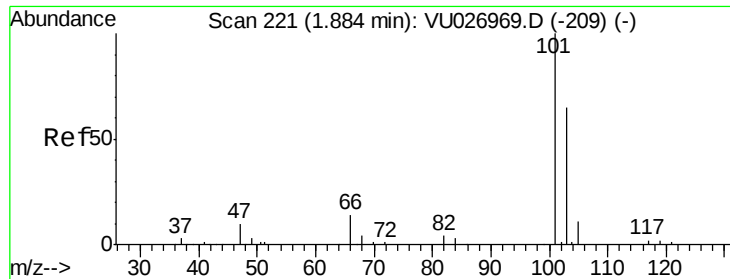
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#6
Chloroethane
Concen: 17.485 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 64 Resp: 17261
Ion Ratio Lower Upper
64 100
66 32.0 25.3 37.9





#7

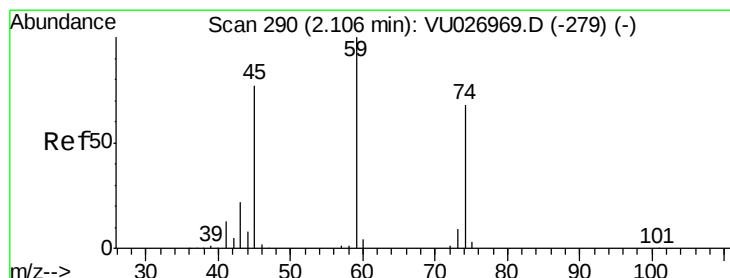
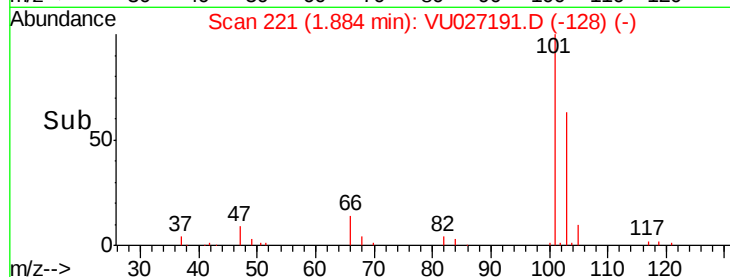
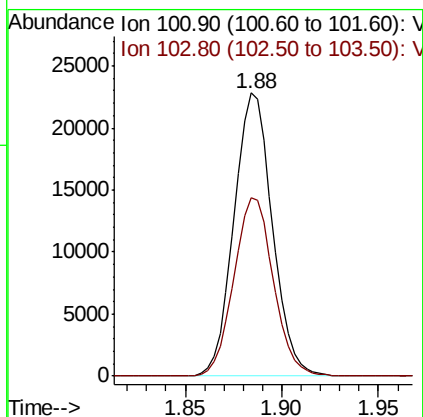
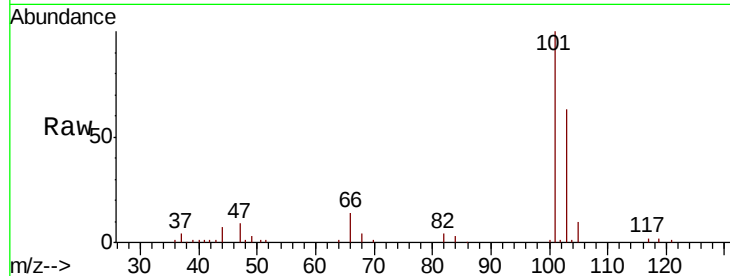
Trichlorofluoromethane
Concen: 17.921 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

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Tot Ion:101 Resp: 31448
Ion Ratio Lower Upper
101 100
103 63.1 52.2 78.2

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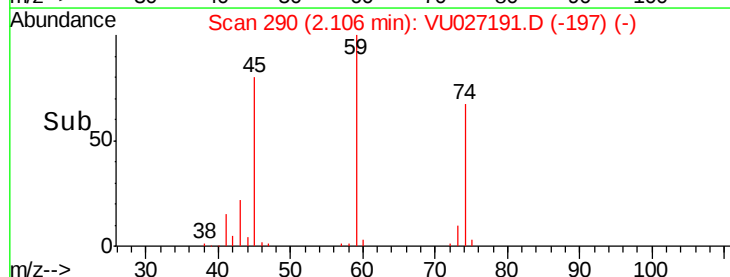
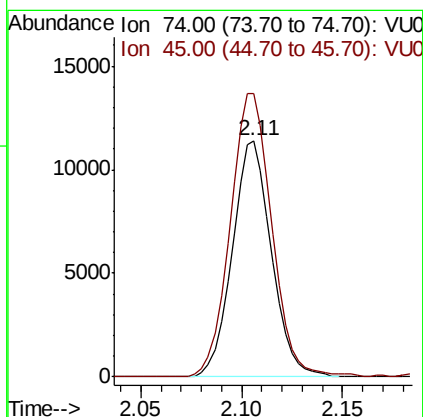
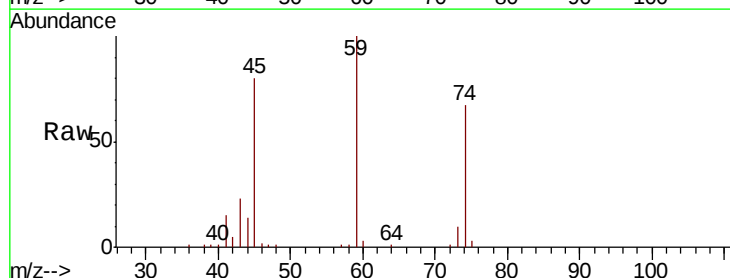
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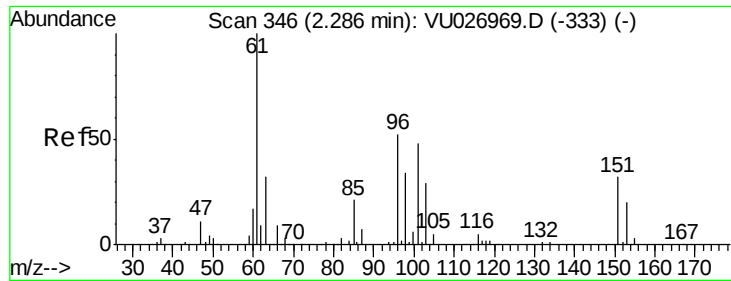


#8

Diethyl Ether
Concen: 18.243 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 74 Resp: 15409
Ion Ratio Lower Upper
74 100
45 127.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.726 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

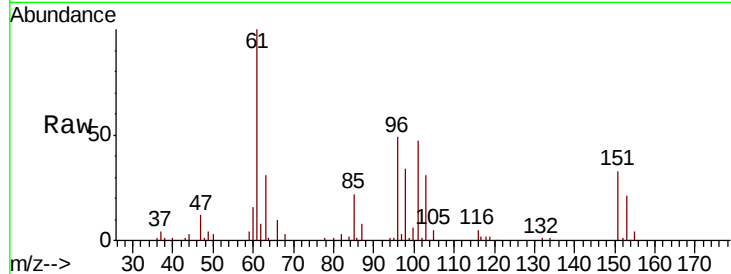
ClientSampleId :

VU0926WBS03

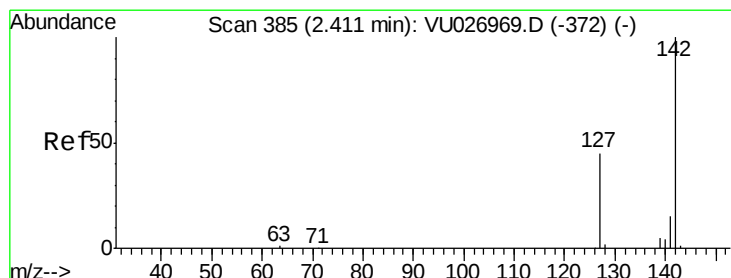
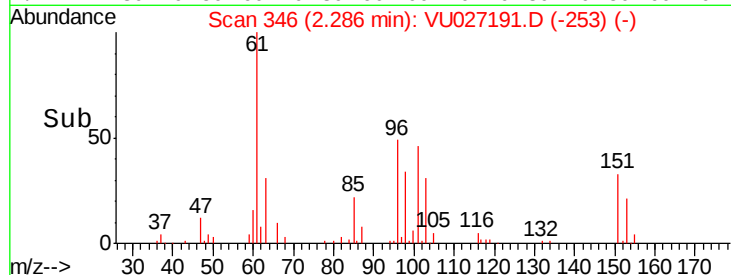
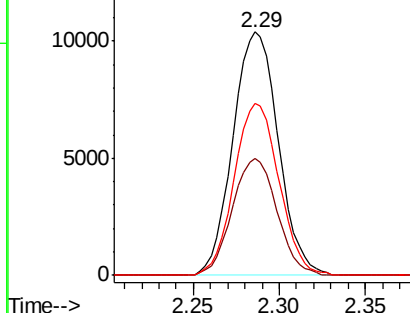
Tot Ion:	101	Resp:	19126
Ion Ratio	Lower	Upper	
101	100		
85	47.2	36.2	54.2
151	69.7	54.5	81.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.740 ug/l

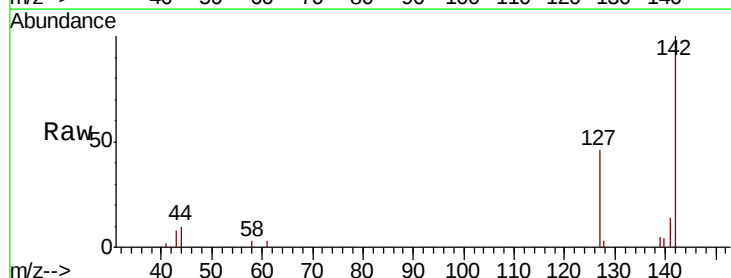
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

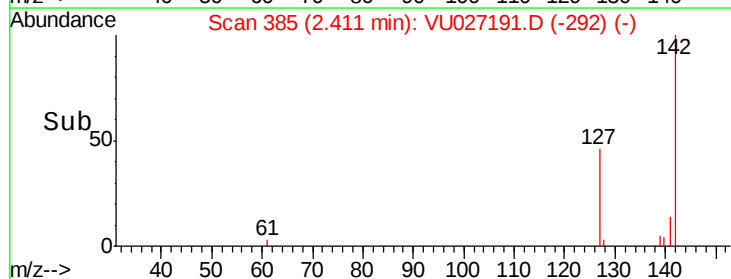
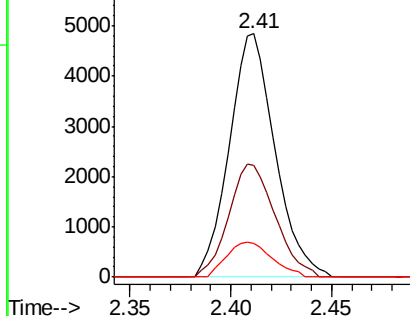
Lab File: VU027191.D

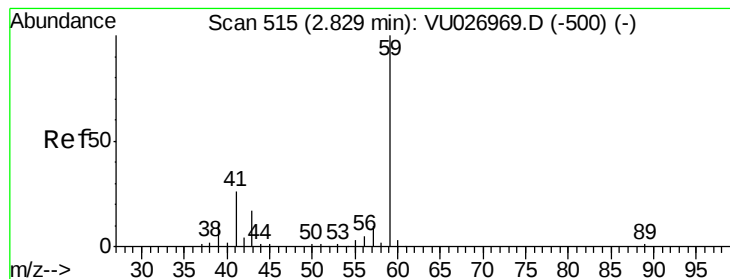
Acq: 26 Sep 2018 21:17

Tgt Ion:	142	Resp:	7681
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.7	55.1
141	14.2	11.8	17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

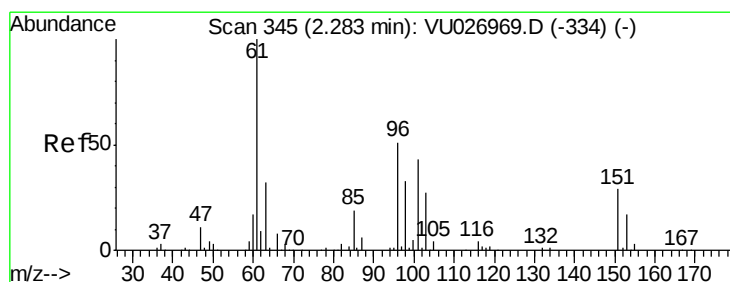
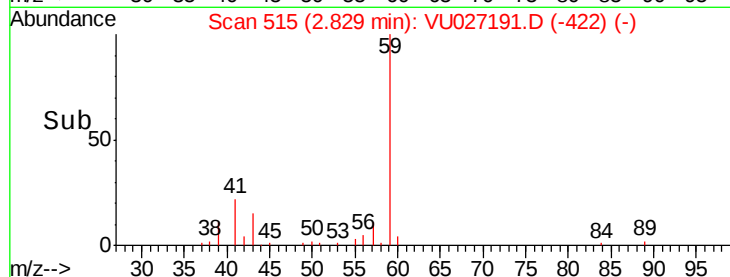
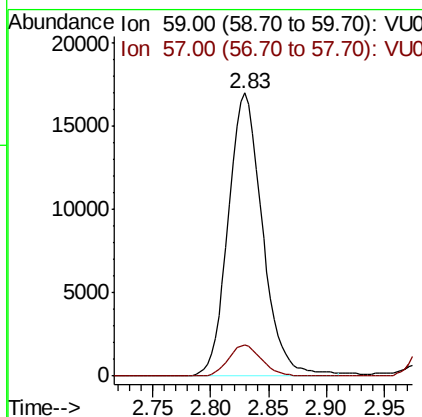
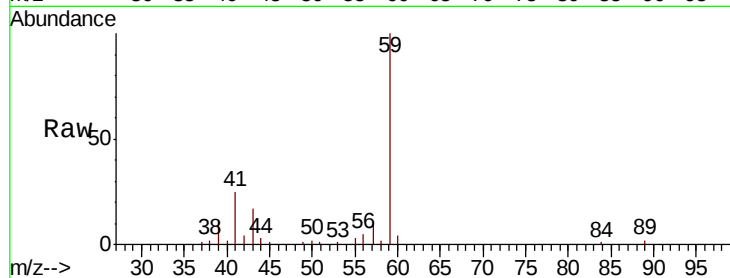
Tert butyl alcohol
 Concen: 102.778 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	59	57	Ratio	100	10.6	Resp	Lower	Upper
34863								
							8.5	12.7

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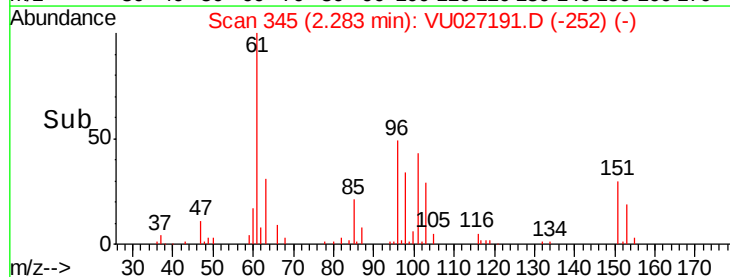
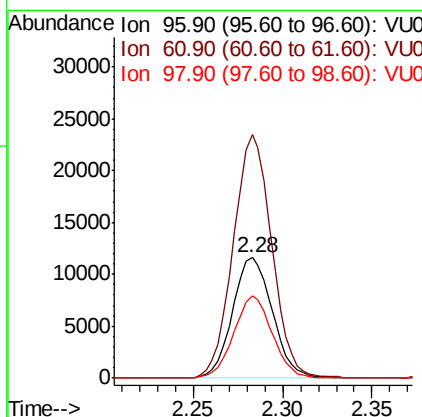
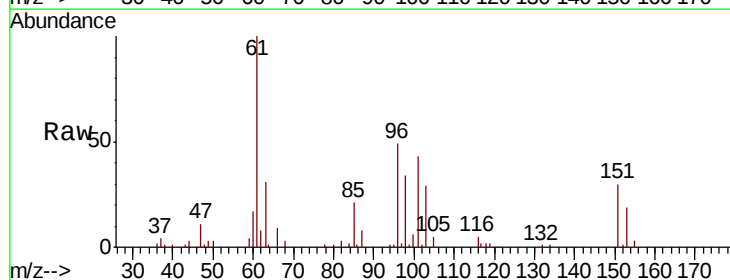
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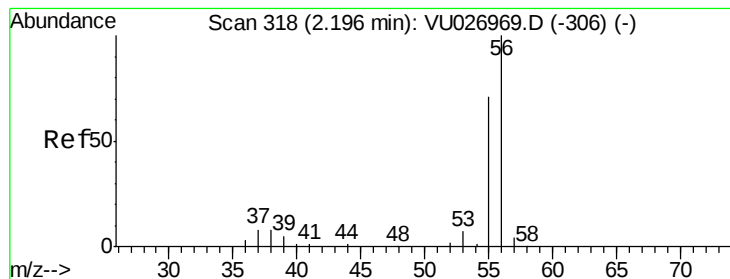


#12

1,1-Dichloroethene
 Concen: 17.763 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	96	61	98	Ratio	100	202.0	68.7	Resp	Lower	Upper
18039										
									156.1	234.1
									51.4	77.0





#13

Acrolein

Concen: 74.026 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion: 56 Resp: 13536

Ion Ratio Lower Upper

56 100

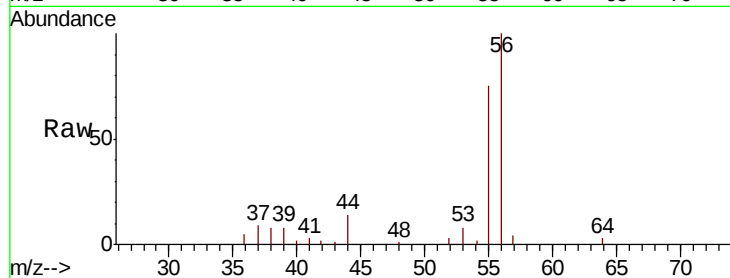
55 75.9 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

10000

8000

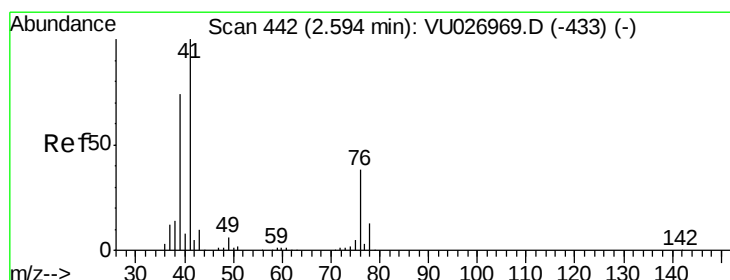
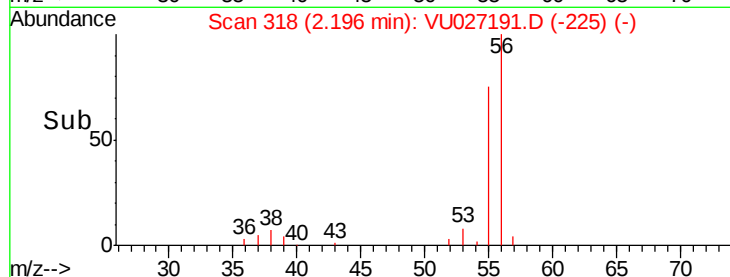
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.103 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

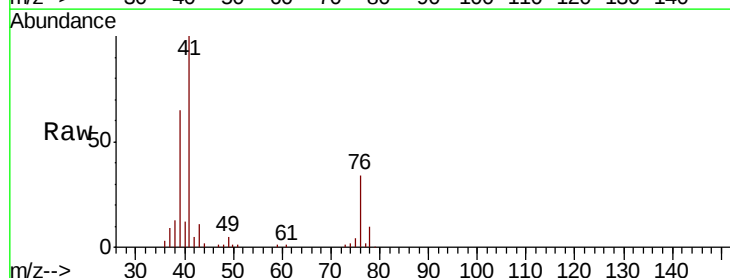
Tgt Ion: 41 Resp: 41408

Ion Ratio Lower Upper

41 100

39 65.3 55.7 83.5

76 32.4 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

30000

25000

20000

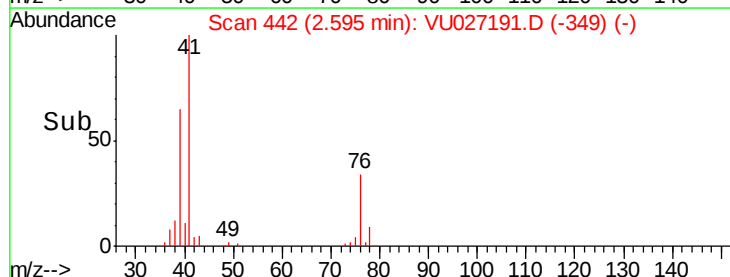
15000

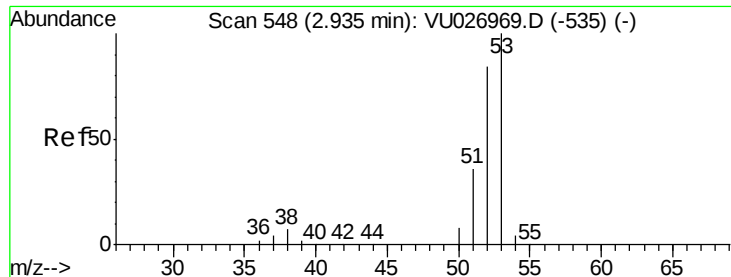
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 110.397 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

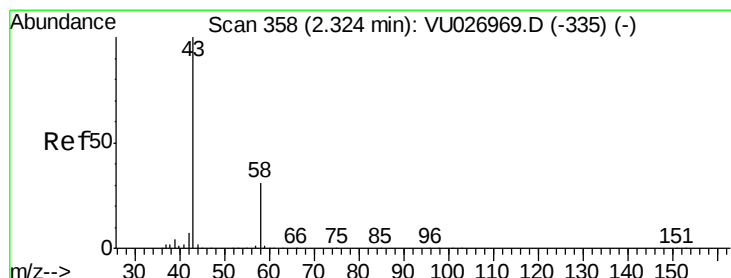
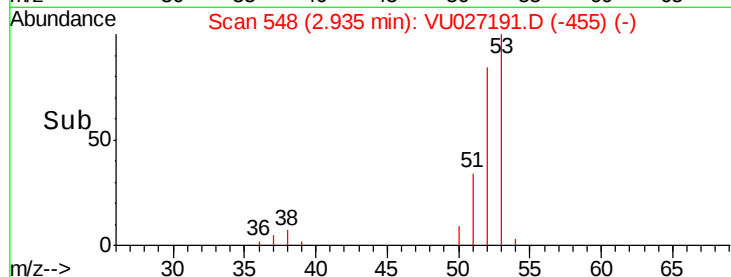
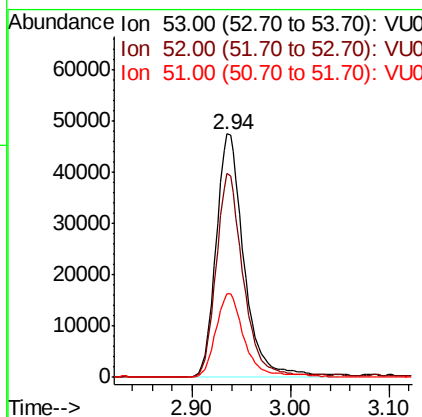
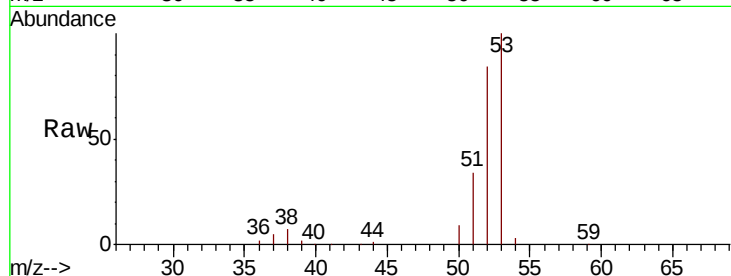
ClientSampleId :

VU0926WBS03

Tot Ion:	53	Resp:	94382
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.7	98.5
51	34.7	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 97.093 ug/l

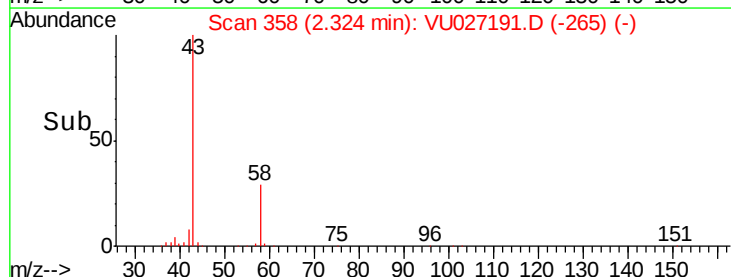
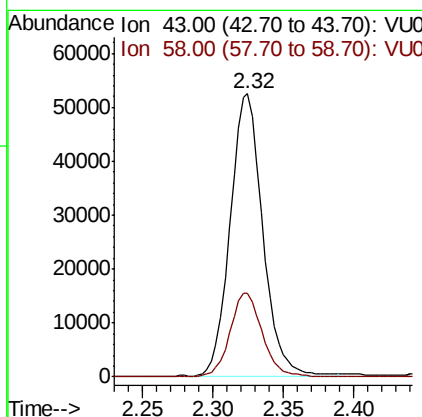
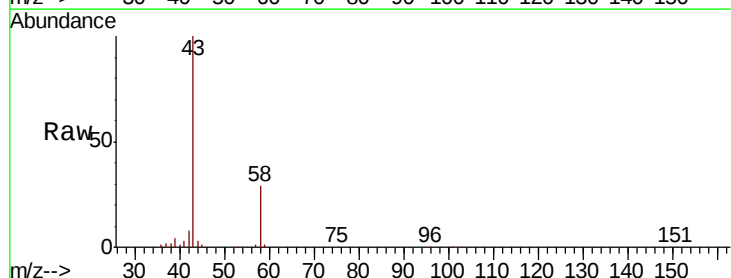
RT: 2.32 min Scan# 358

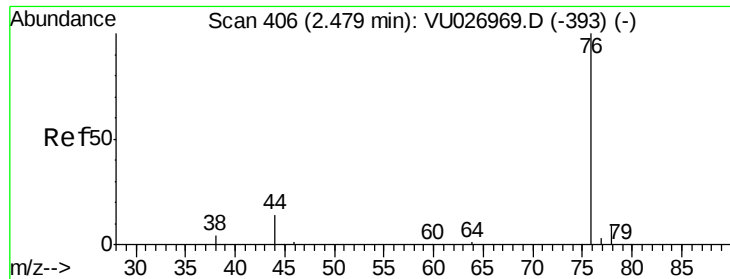
Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion:	43	Resp:	84303
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





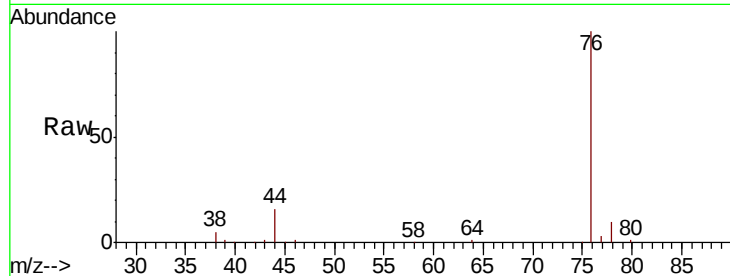
#17
Carbon Disulfide
Concen: 15.935 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

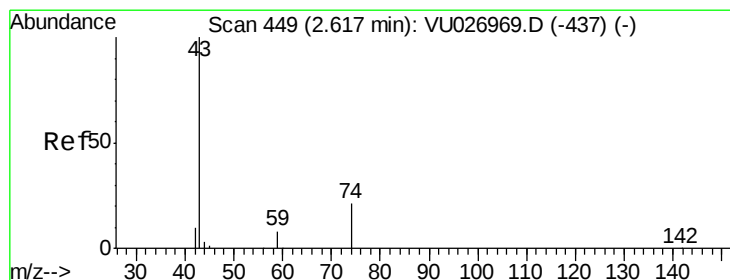
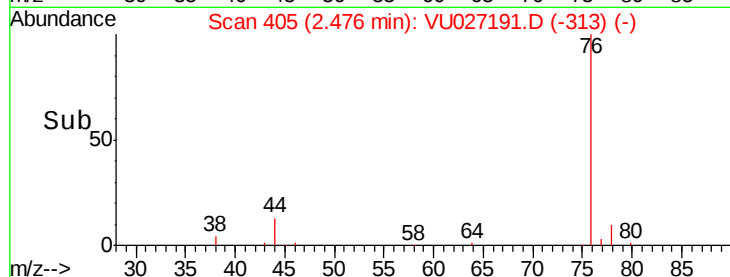
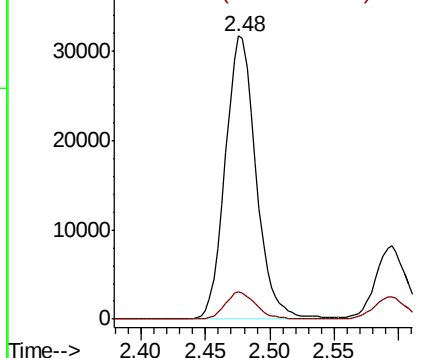
Tot Ion: 76 Resp: 52719
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

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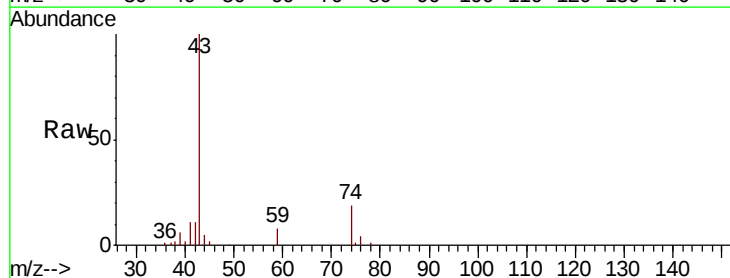


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

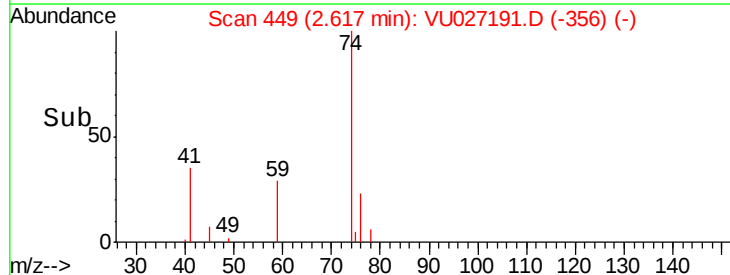
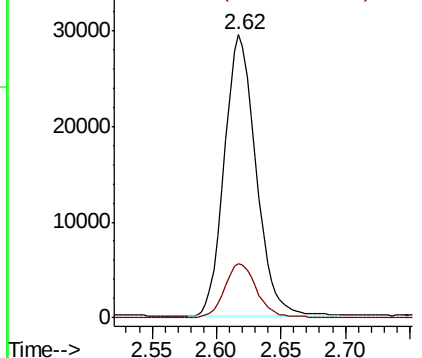


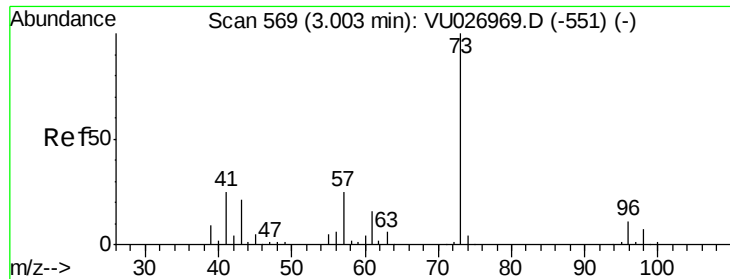
#18
Methyl Acetate
Concen: 23.769 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 43 Resp: 50068
Ion Ratio Lower Upper
43 100
74 19.6 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0





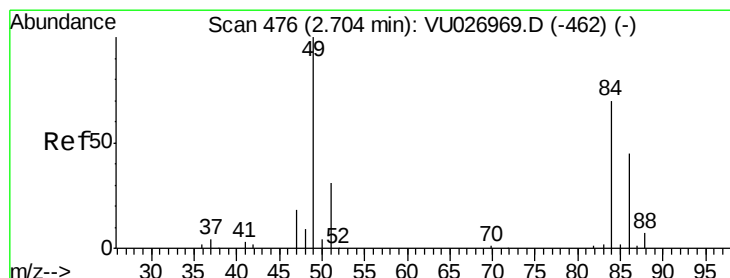
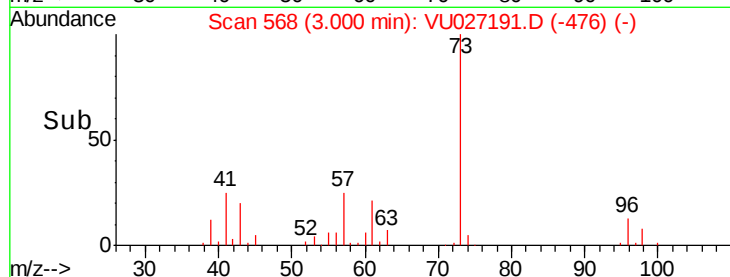
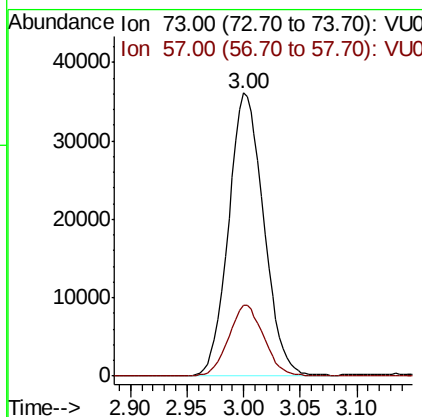
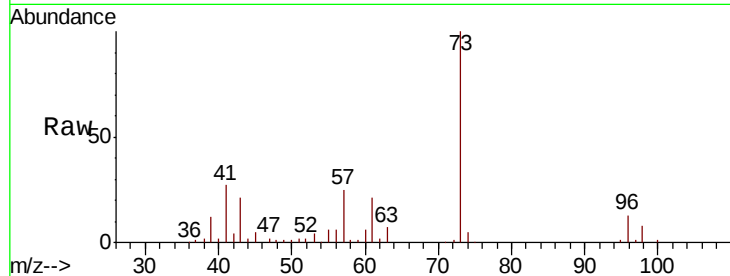
#19
Methvl tert-butvl Ether
Concen: 20.980 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion: 73 Resp: 78297
Ion Ratio Lower Upper
73 100
57 25.1 19.8 29.6

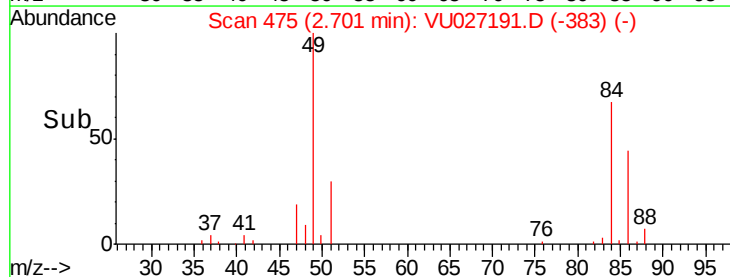
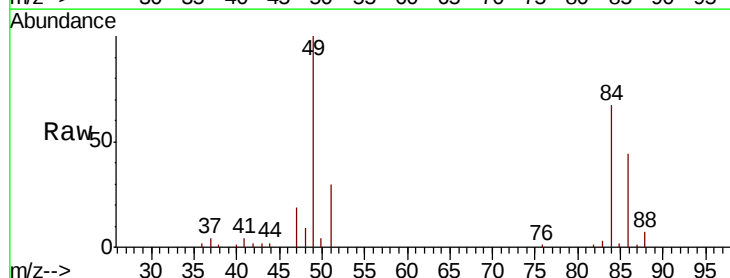
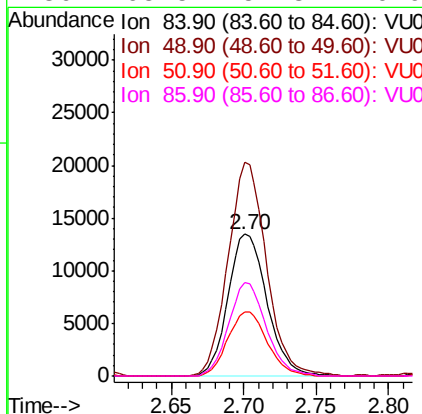
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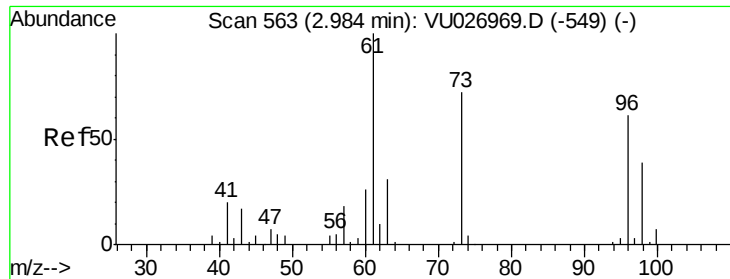
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#20
Methylene Chloride
Concen: 18.952 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 84 Resp: 25118
Ion Ratio Lower Upper
84 100
49 150.3 114.9 172.3
51 44.7 35.8 53.8
86 65.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.805 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion: 96 Resp: 20390

Ion Ratio Lower Upper

96 100

61 165.5 131.8 197.6

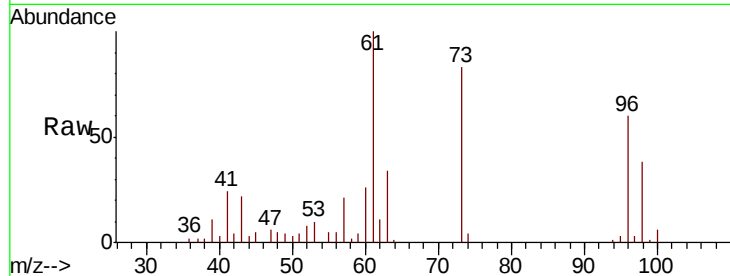
98 63.3 50.9 76.3

Manual Integrations

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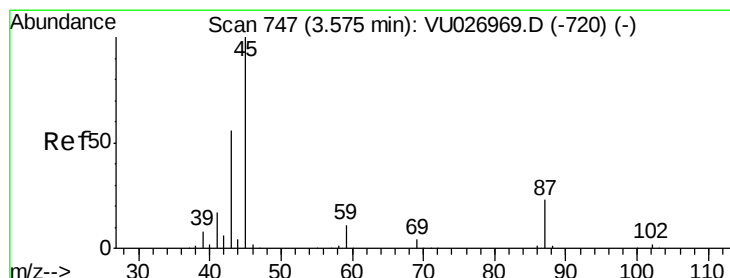
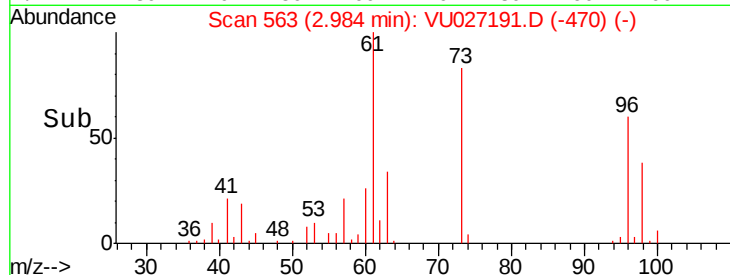
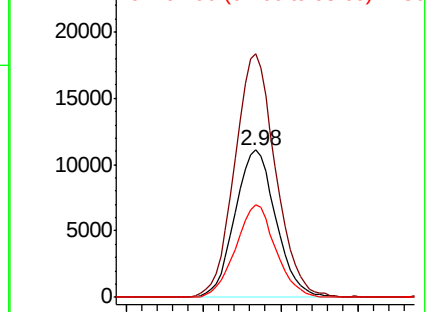


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 22.385 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion: 45 Resp: 98623

Ion Ratio Lower Upper

45 100

43 54.9 45.8 68.6

87 21.9 18.6 28.0

59 10.1 9.0 13.4

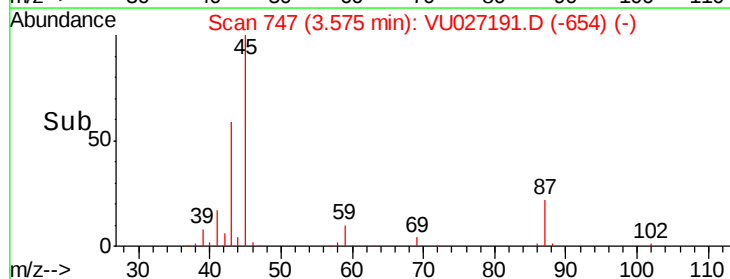
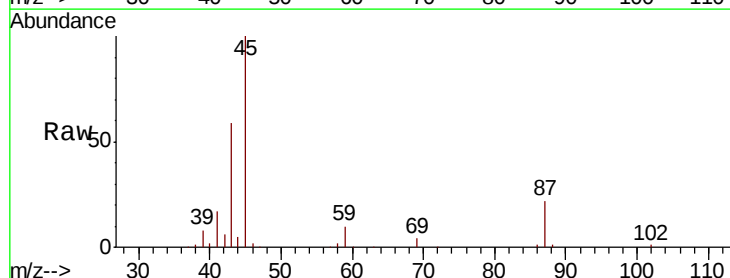
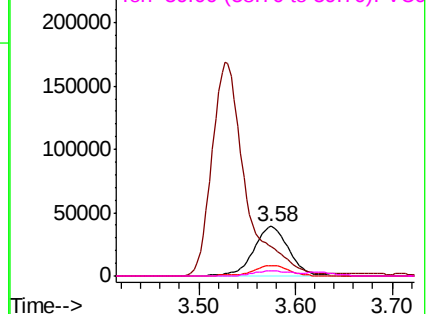
Abundance

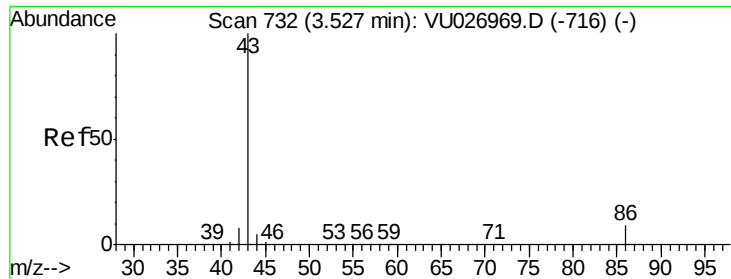
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 109.065 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion: 43 Resp: 409595

Ion Ratio Lower Upper

43 100

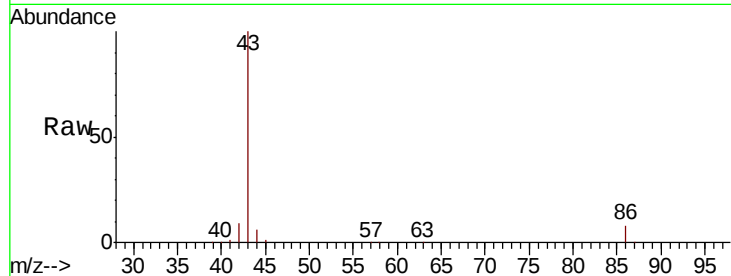
86 8.3 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VU027191.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027191.D (-639) (-)

3.53

150000

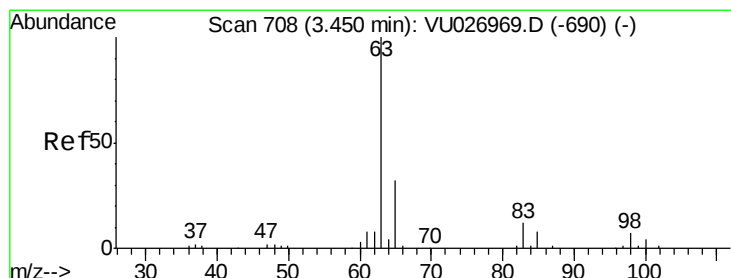
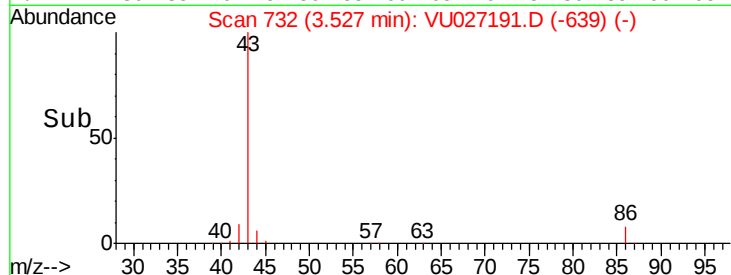
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.448 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

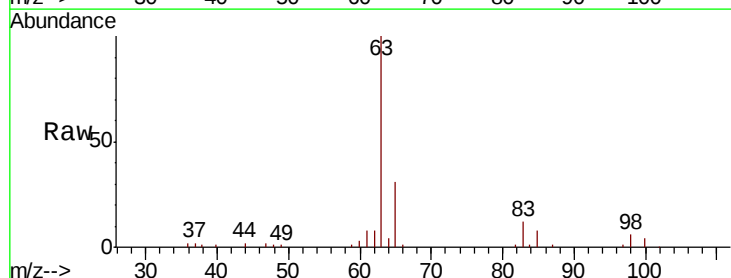
Tgt Ion: 63 Resp: 49617

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027191.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027191.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027191.D (-615) (-)

3.45

30000

25000

20000

15000

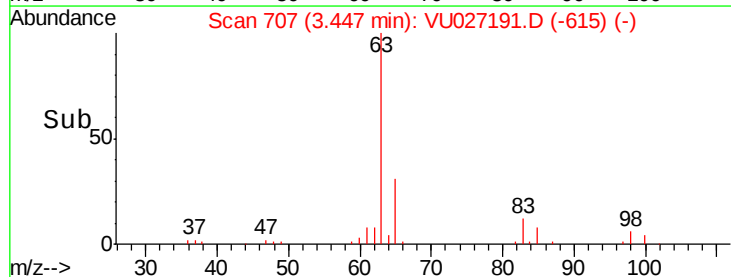
10000

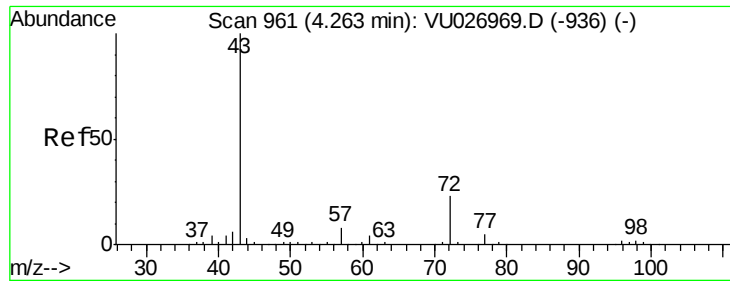
5000

0

3.35 3.40 3.45 3.50

Time-->





#25

2-Butanone

Concen: 107.083 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion: 43 Resp: 133179

Ion Ratio Lower Upper

43 100

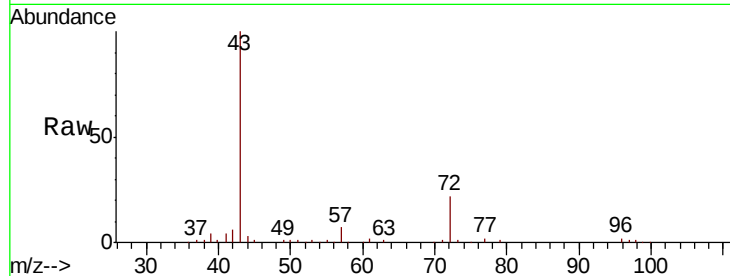
72 22.5 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

60000

50000

40000

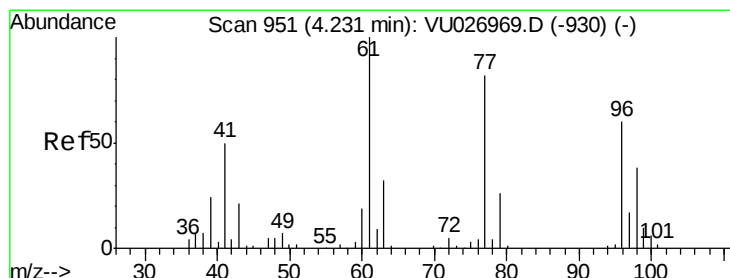
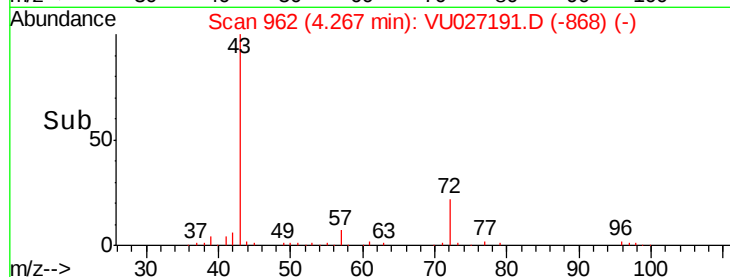
30000

20000

10000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 15.452 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027191.D

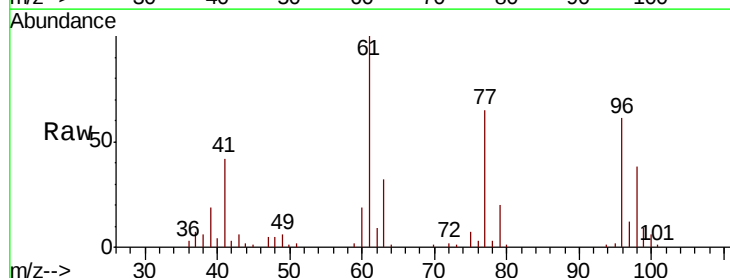
Acq: 26 Sep 2018 21:17

Tgt Ion: 77 Resp: 29240

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

12000

10000

8000

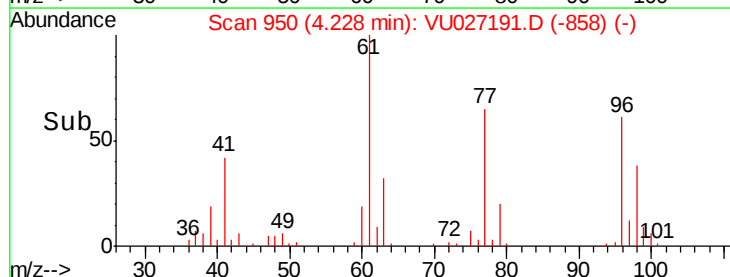
6000

4000

2000

0

Time--> 4.15 4.20 4.25 4.30





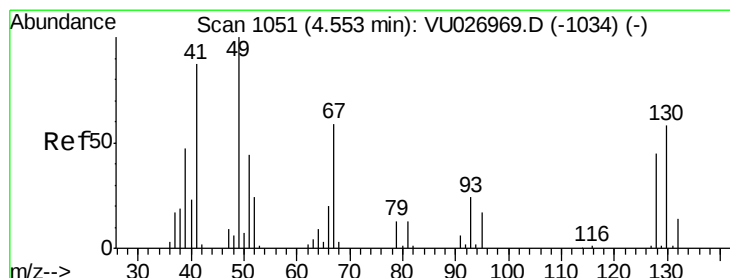
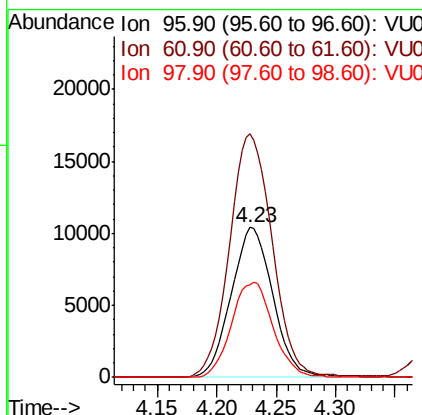
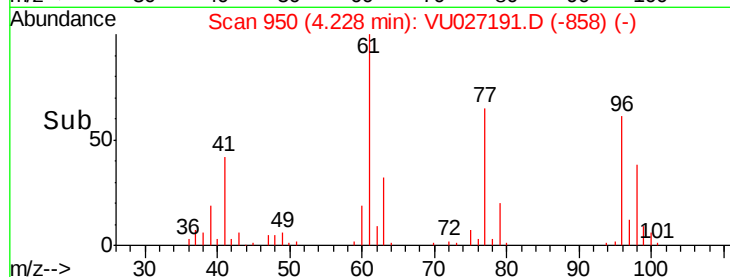
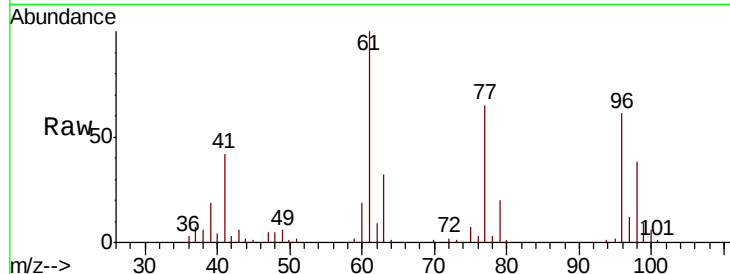
#27
 cis-1,2-Dichloroethene
 Concen: 20.612 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	337.2
98	63.1	0.0	127.6

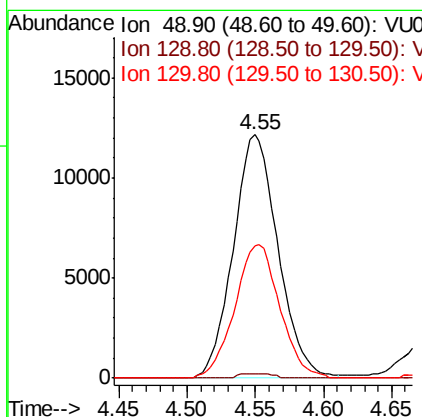
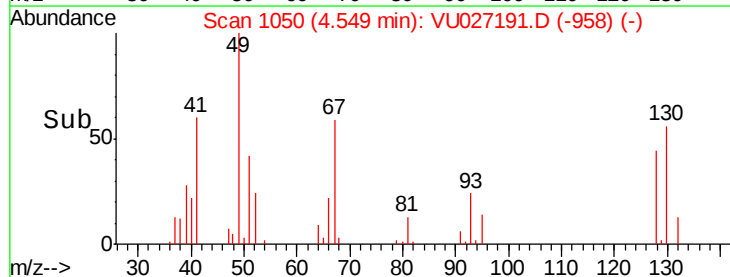
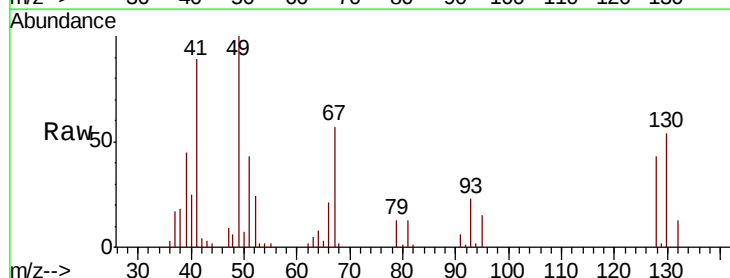
Manual Integrations
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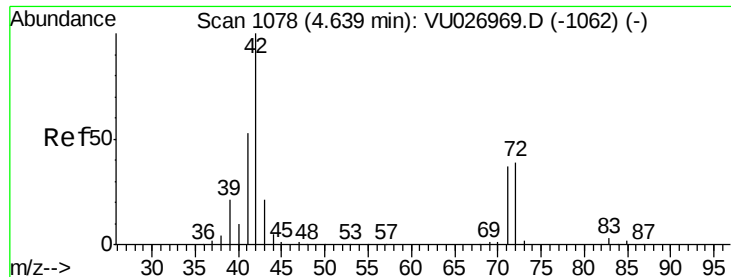
MMDadoda
 9/27/2018 3:33:23 PM



#28
 Bromochloromethane
 Concen: 23.668 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	55.1	47.8	71.8





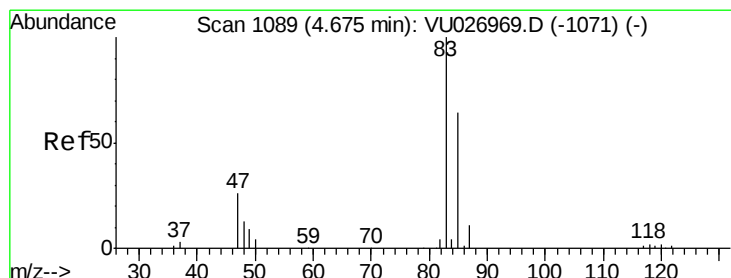
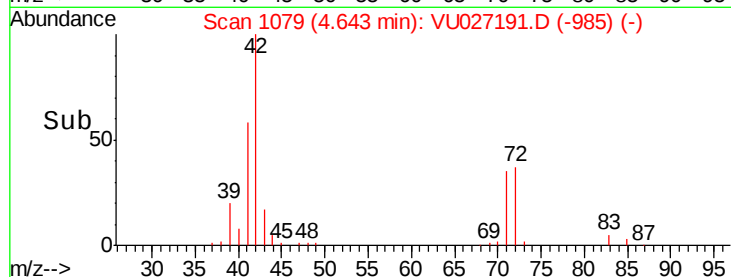
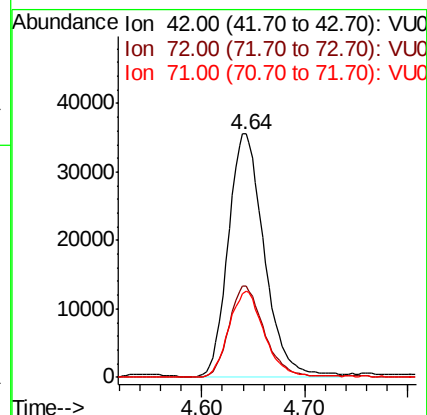
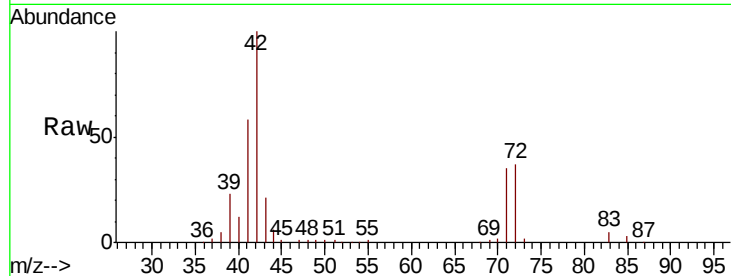
#29
Tetrahydrofuran
Concen: 115.707 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.7	47.5
71	34.5	29.6	44.4

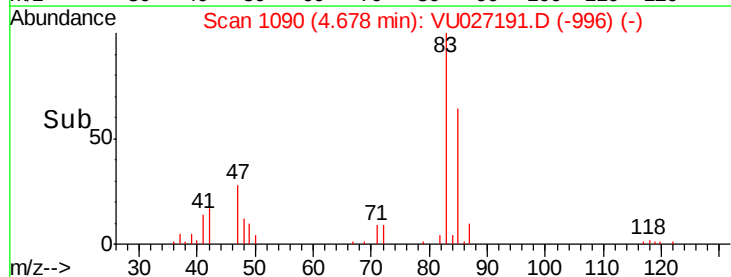
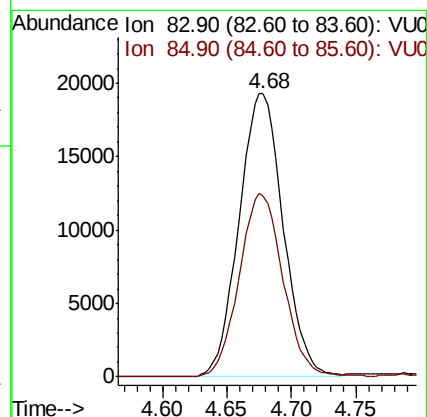
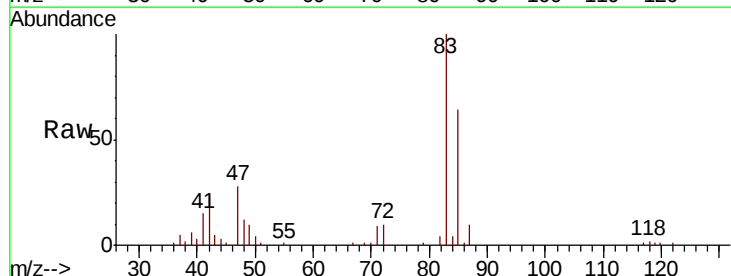
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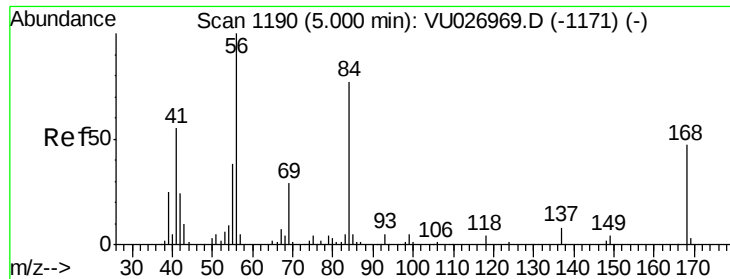
MMDadoda
9/27/2018 3:33:23 PM



#30
Chloroform
Concen: 20.407 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





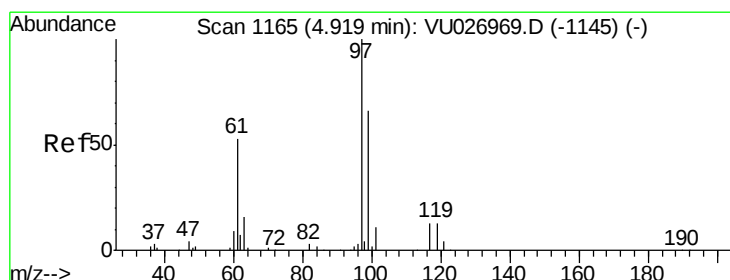
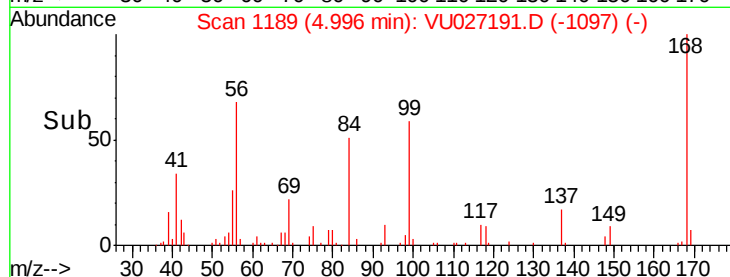
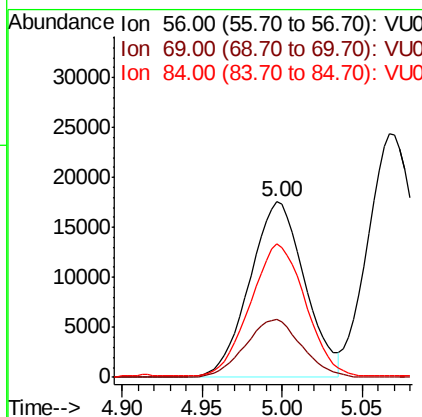
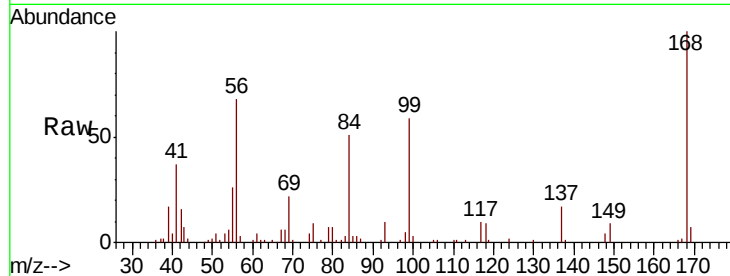
#31
Cyclohexane
Concen: 18.635 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.0	34.4
84	75.0	61.4	92.2

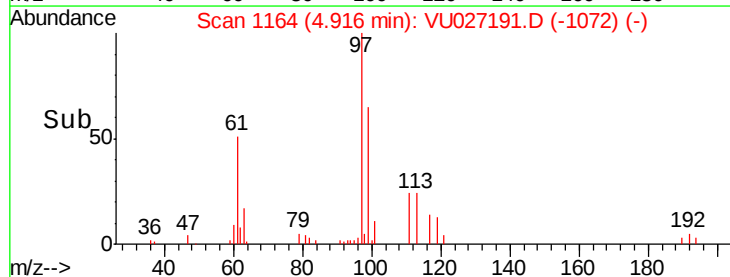
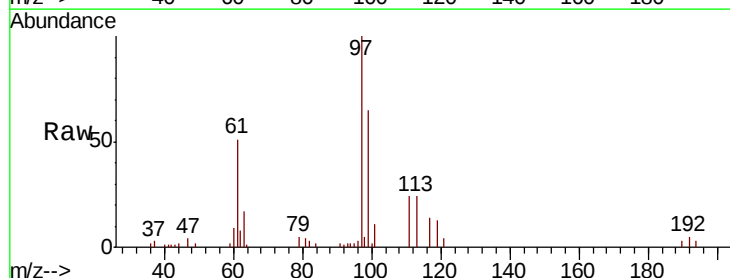
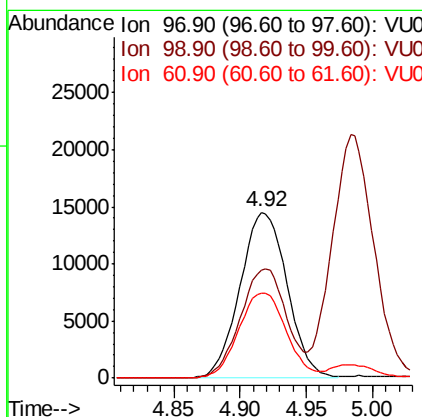
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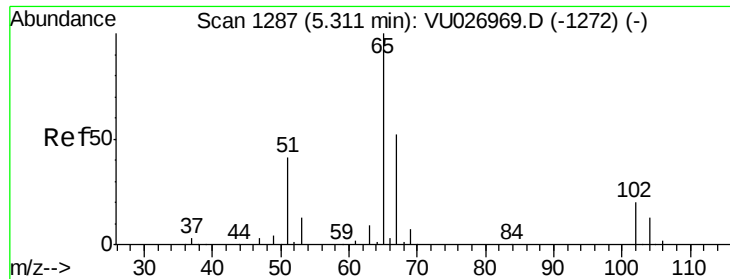
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#32
1,1,1-Trichloroethane
Concen: 20.034 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
97	100		
61	65.5	51.8	77.6
113	52.1	41.1	61.7





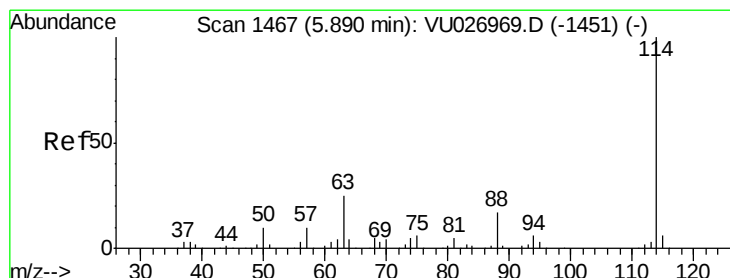
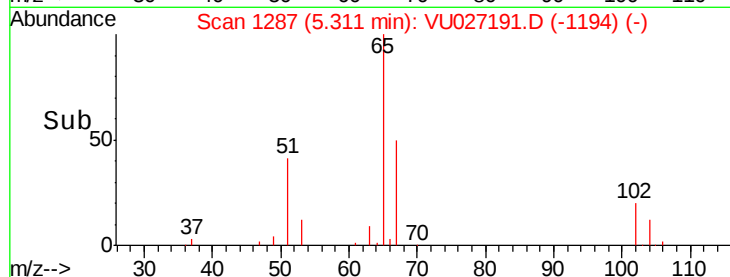
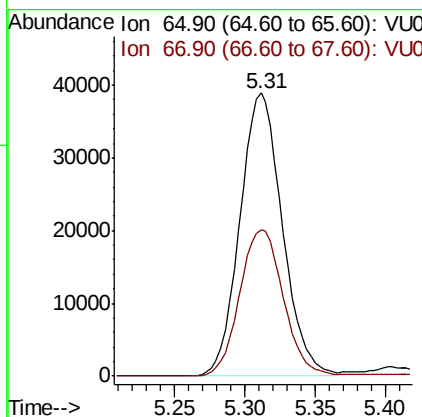
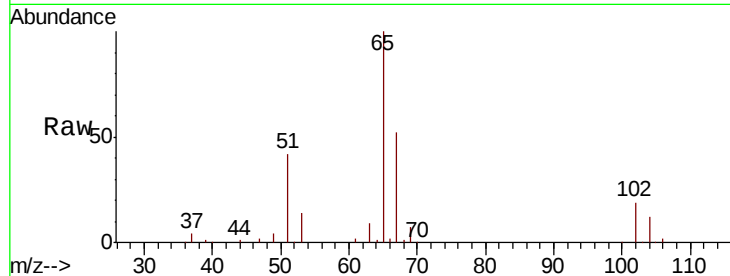
#33
 1,2-Dichloroethane-d4
 Concen: 55.438 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.6

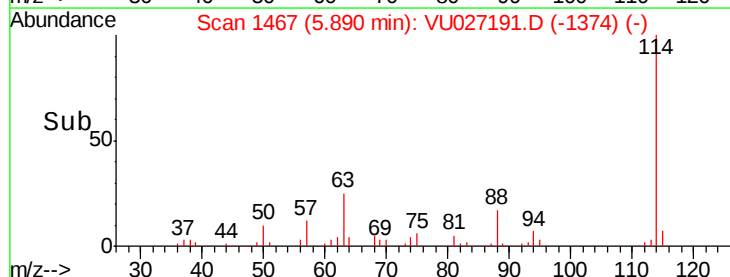
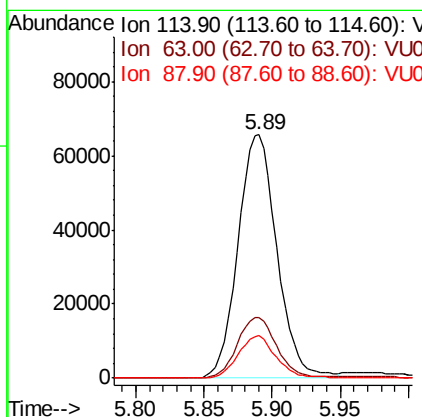
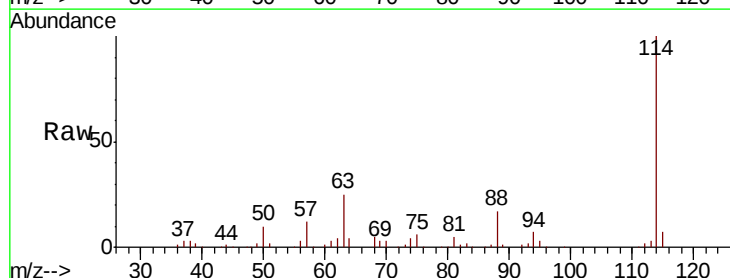
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	17.3	0.0	33.8





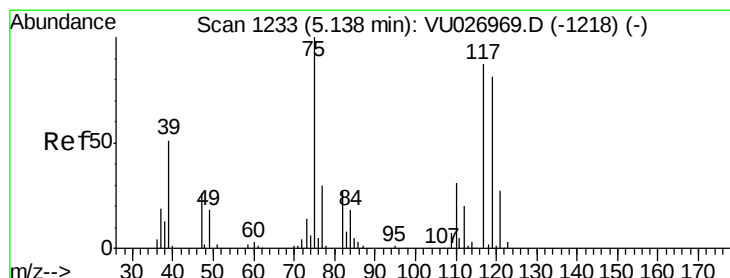
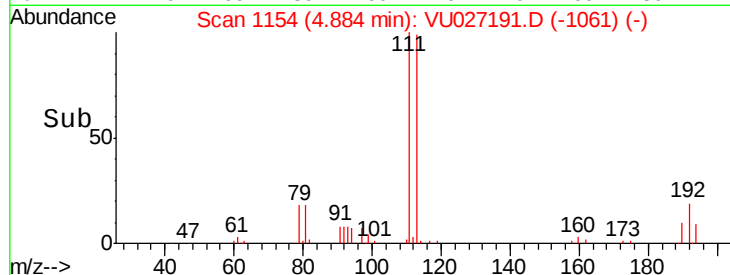
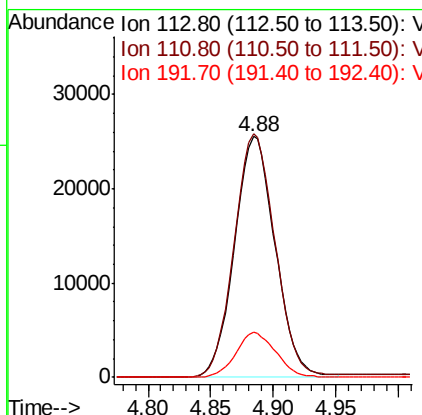
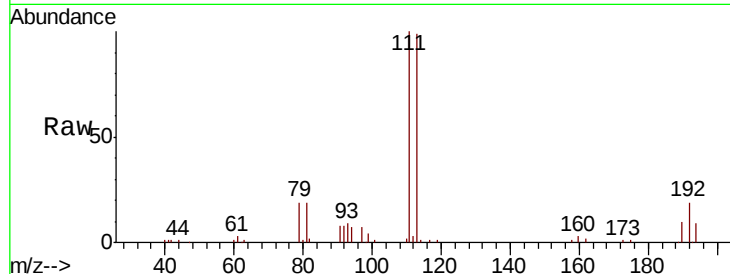
#35
 Dibromofluoromethane
 Concen: 51.148 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	18.3	15.2	22.8

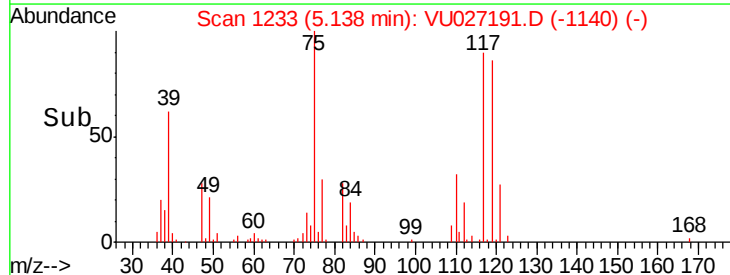
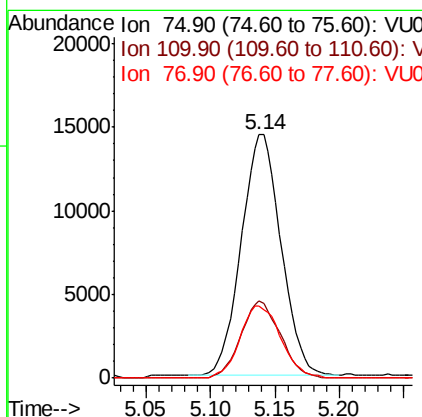
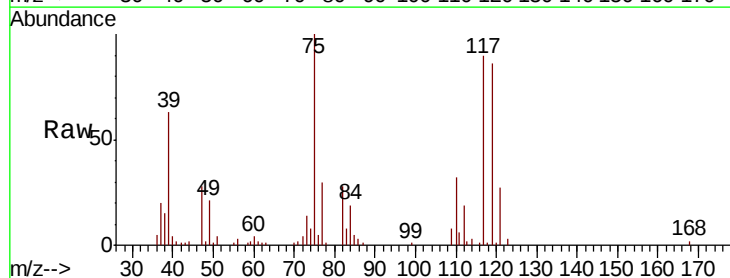
Manual Integrations
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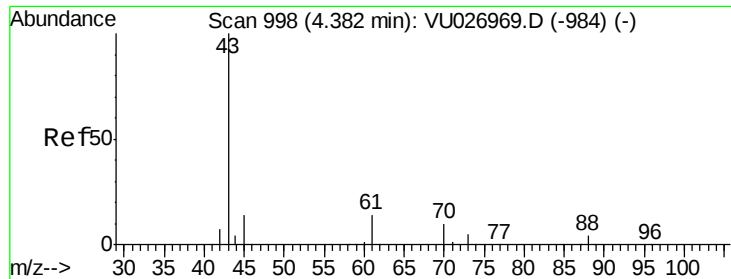
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 9/27/2018 3:33:23 PM



#36
 1,1-Dichloropropene
 Concen: 17.892 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.1	48.2
77	30.8	24.6	36.8





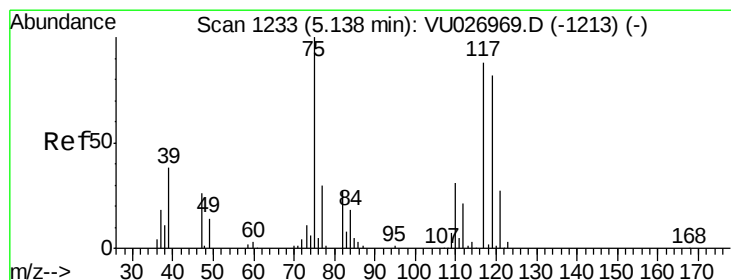
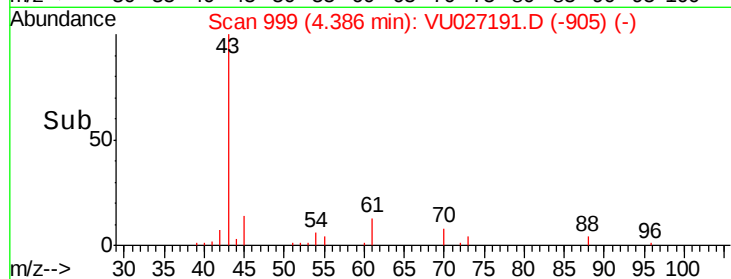
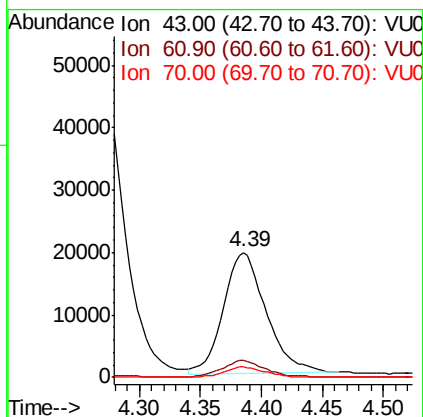
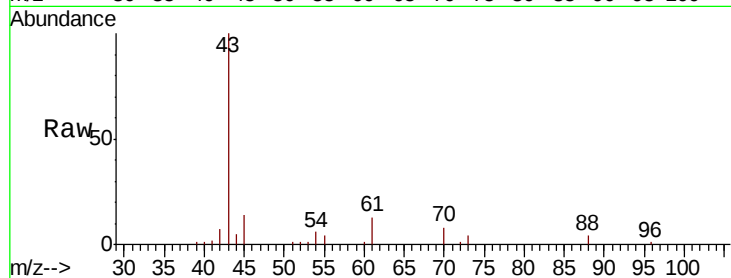
#37
Ethyl Acetate
Concen: 20.205 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	43	61	70
Resp	47439		
Ratio	100	12.7	8.1
Lower		10.5	7.4
Upper		15.7	11.0

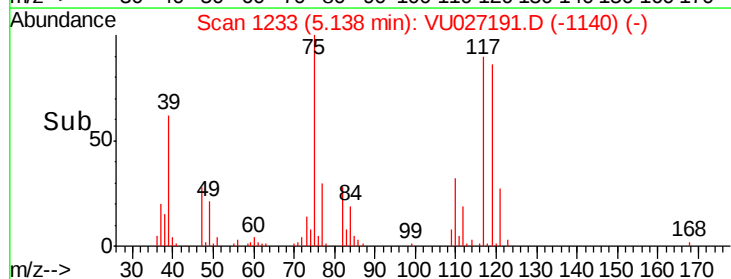
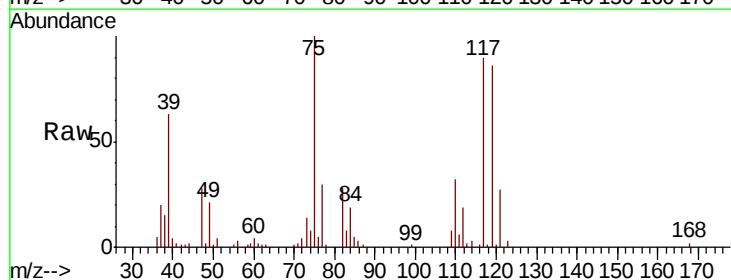
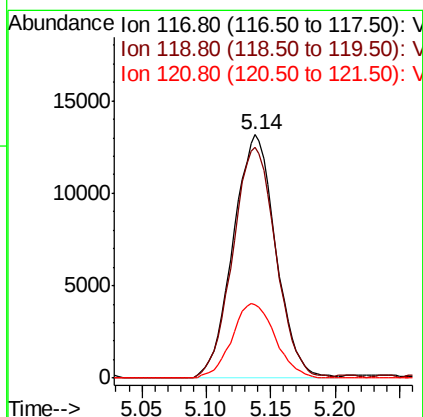
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#38
Carbon Tetrachloride
Concen: 18.391 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	117	119	121
Resp	30354		
Ratio	100	94.6	30.4
Lower		74.4	24.2
Upper		111.6	36.4





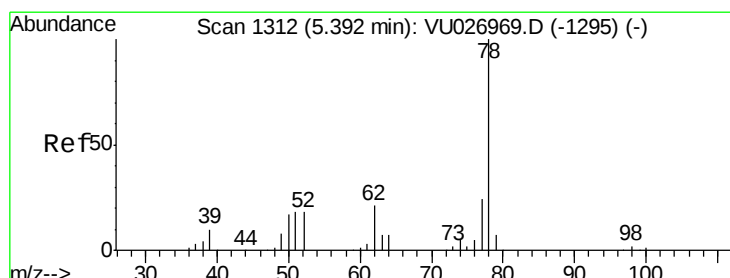
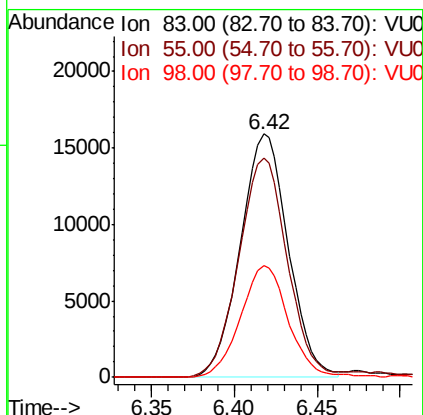
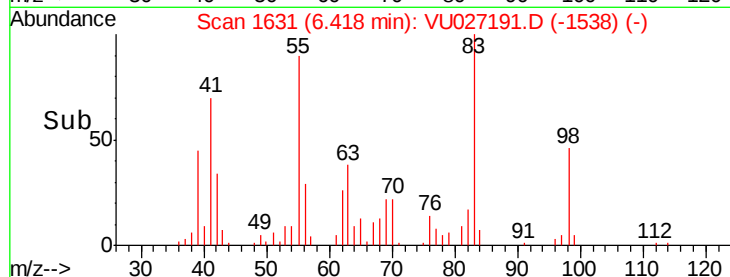
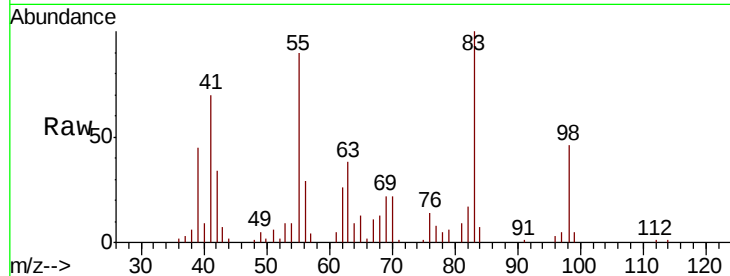
#39
Methvlcvclohexane
Concen: 16.972 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.9	69.9	104.9
98	45.7	37.5	56.3

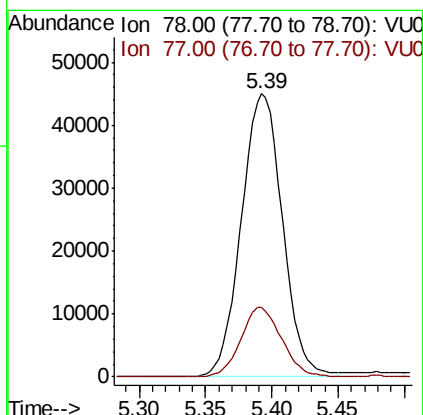
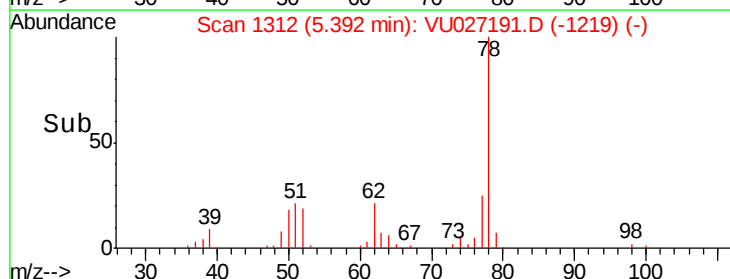
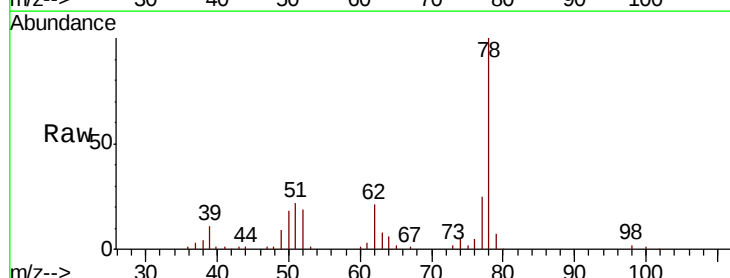
Manual Integrations
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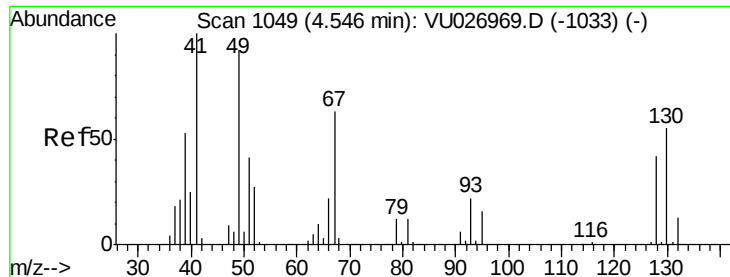
MMDadoda
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#40
Benzene
Concen: 18.440 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





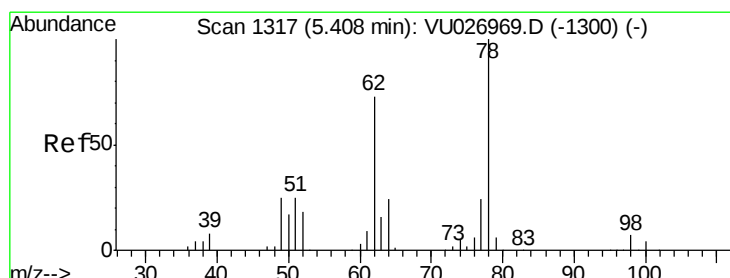
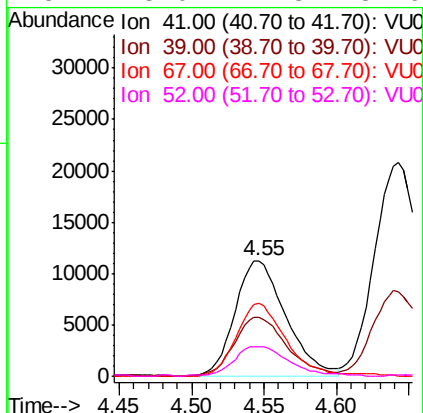
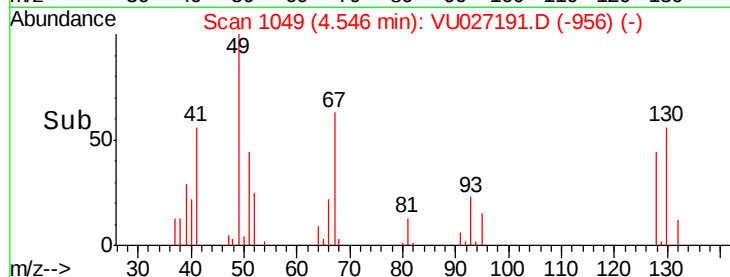
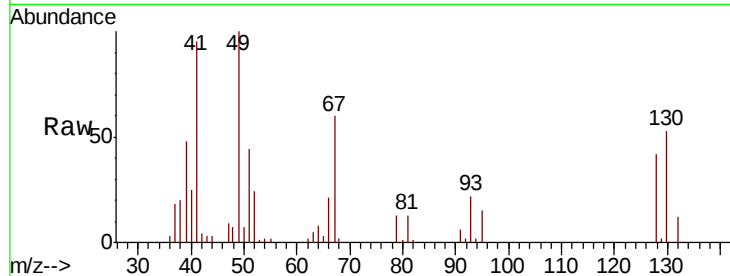
#41
Methacrylonitrile
Concen: 22.533 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.9	64.3	
67	61.0	52.4	78.6	
52	28.0	21.3	31.9	

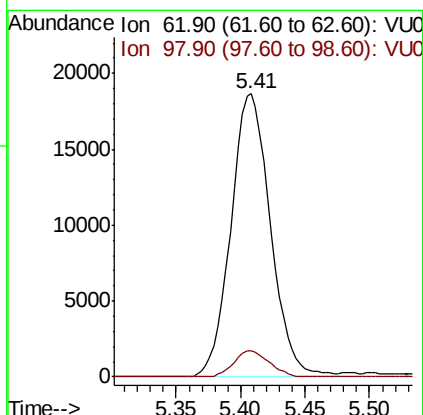
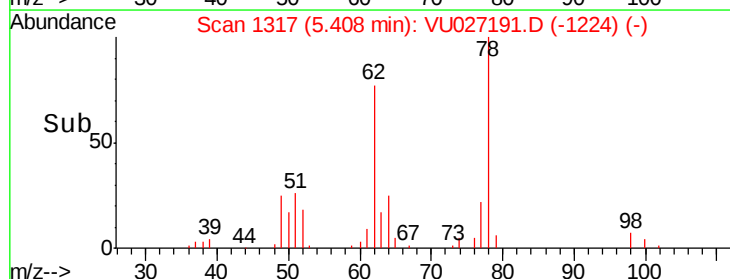
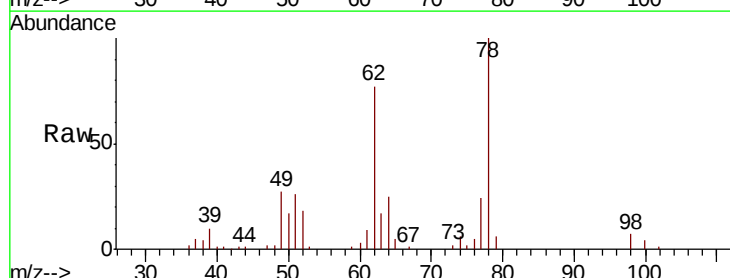
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.979 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	17.0	





#43

Isopropyl Acetate

Concen: 21.692 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

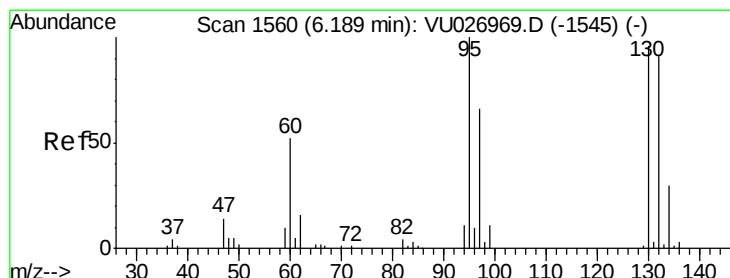
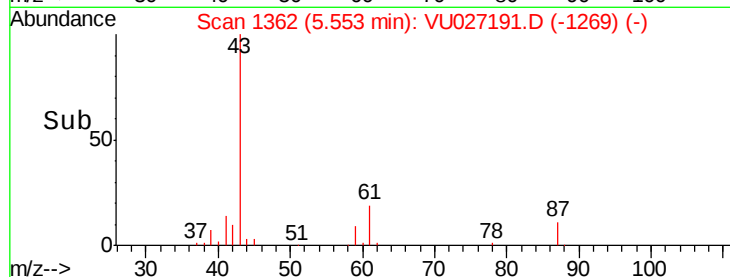
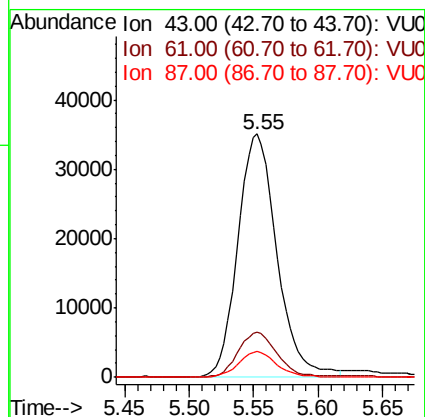
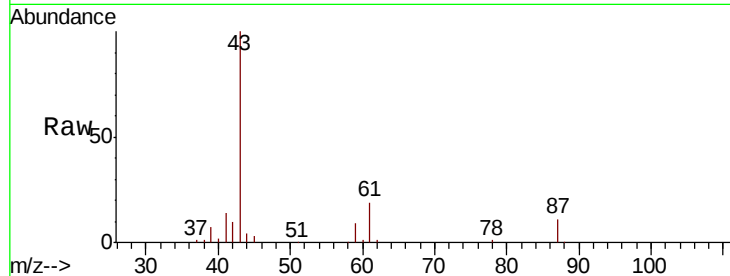
ClientSampleId :

VU0926WBS03

Tot Ion:	43	Resp:	74275
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.7	23.5
87	10.5	9.0	13.4

Manual Integrations
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#44

Trichloroethene

Concen: 18.501 ug/l

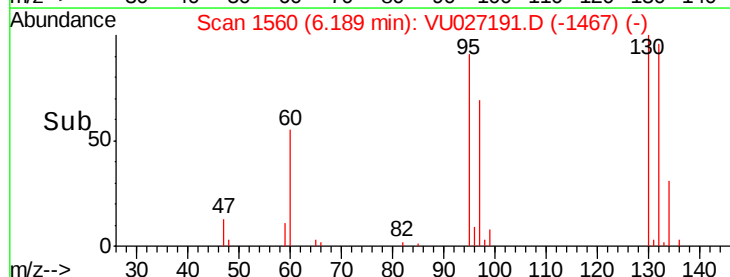
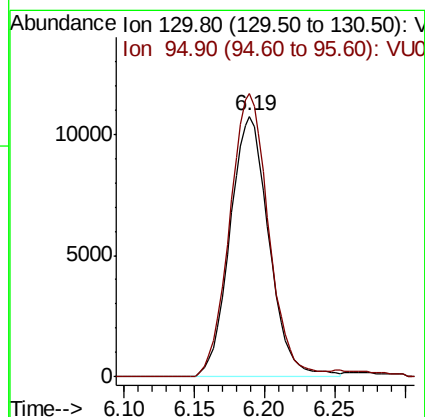
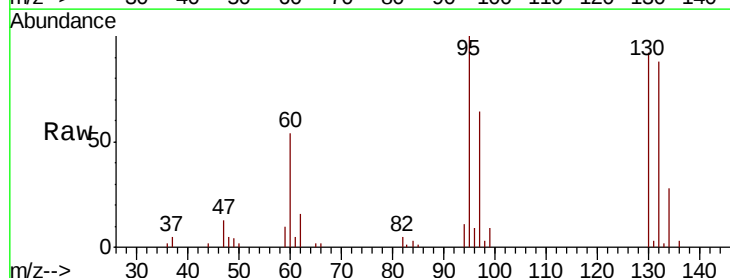
RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion:	130	Resp:	20766
Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	208.8





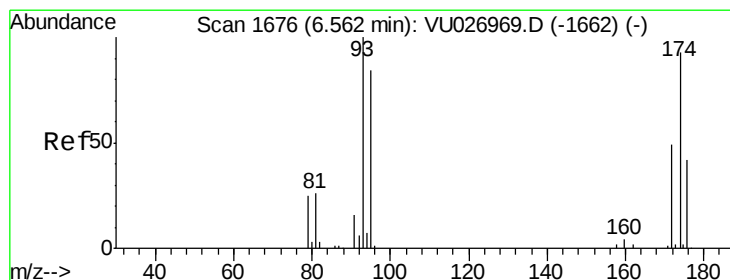
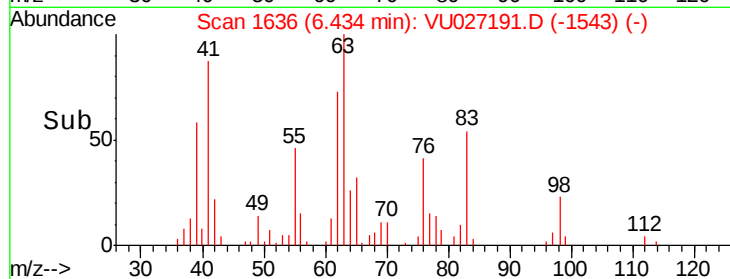
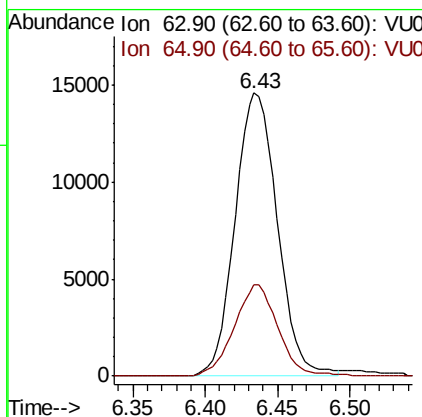
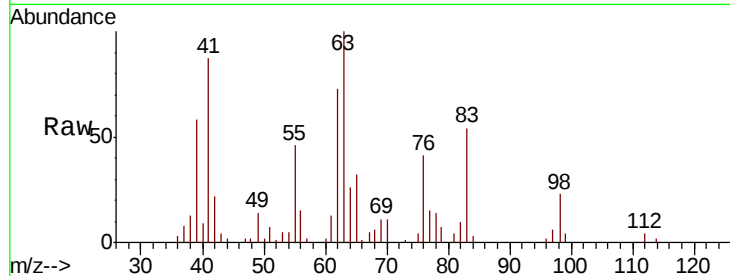
#45
 1,2-Dichloropropane
 Concen: 19.772 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion: 63 Resp: 29703
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.3 36.5

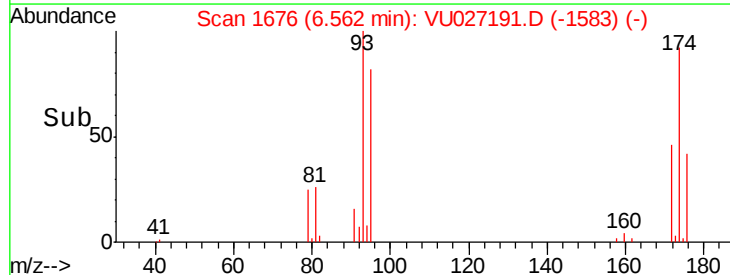
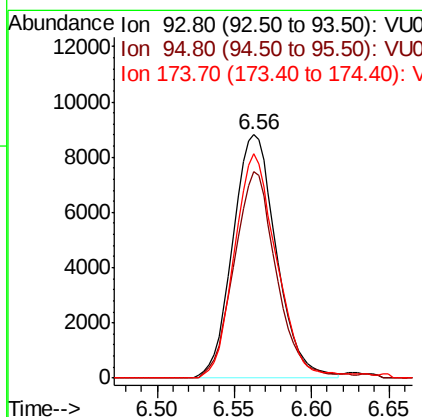
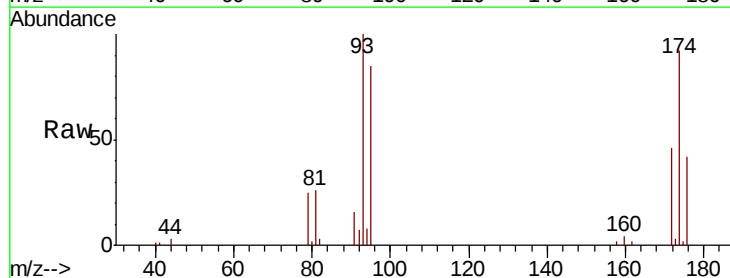
Manual Integrations
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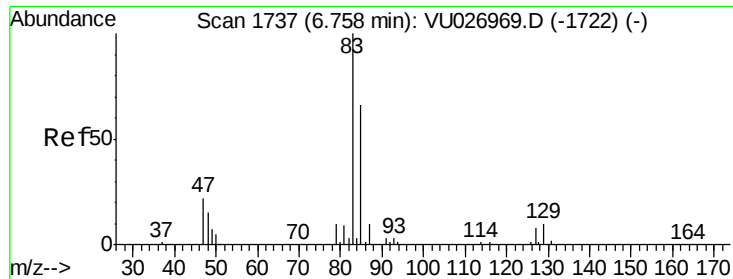
MMDadoda
 9/27/2018 3:33:23 PM



#46
 Dibromomethane
 Concen: 19.046 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion: 93 Resp: 17280
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.4
 174 89.8 71.7 107.5





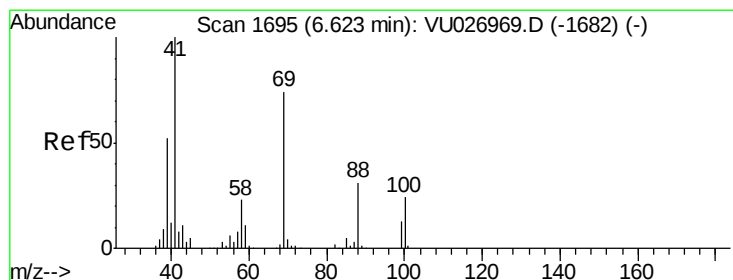
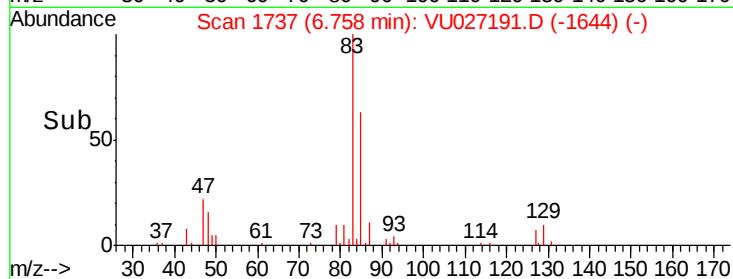
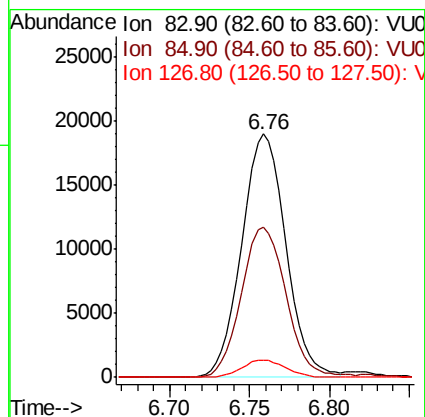
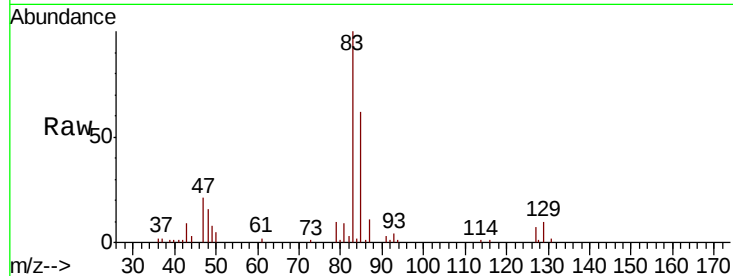
#47
 Bromodichloromethane
 Concen: 19.531 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	83	Resp	35831
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	52.5	78.7
127	7.3	6.3	9.5

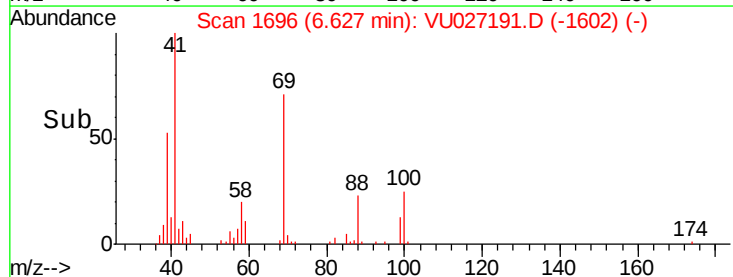
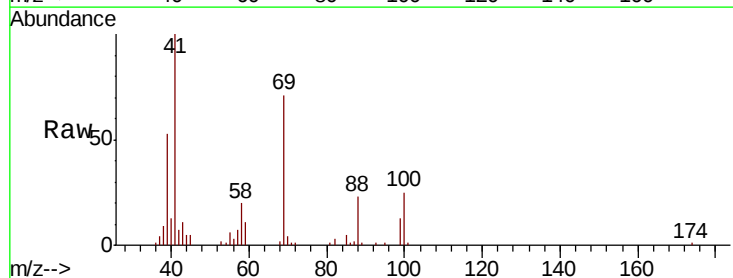
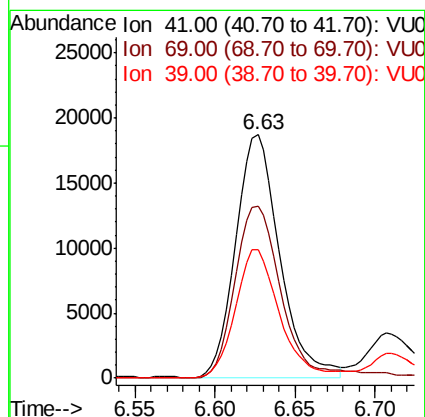
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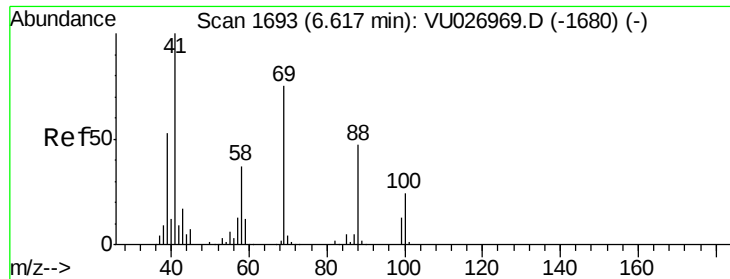
MMDadoda
 9/27/2018 3:33:23 PM



#48
 Methyl methacrylate
 Concen: 19.613 ug/l
 RT: 6.63 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	41	Resp	35381
Ion Ratio	100	Lower	Upper
41	100		
69	73.8	60.6	90.8
39	52.9	42.8	64.2





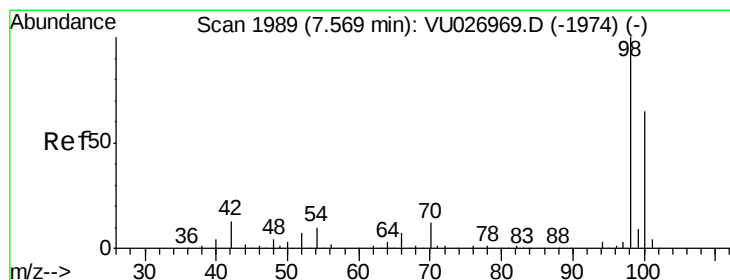
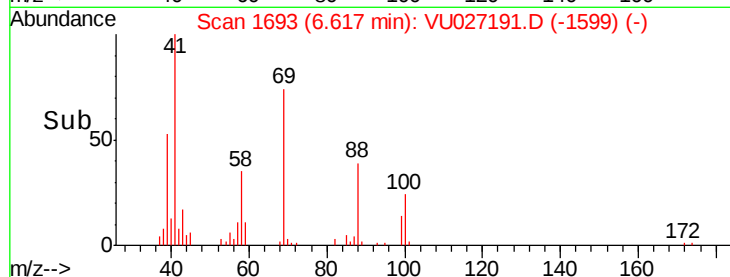
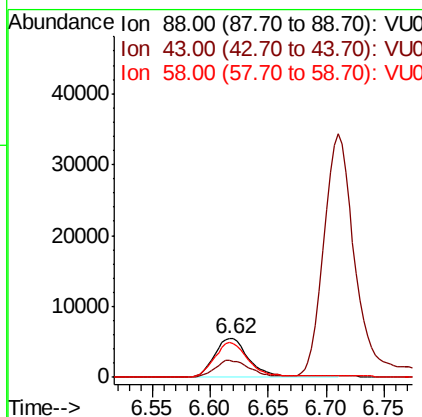
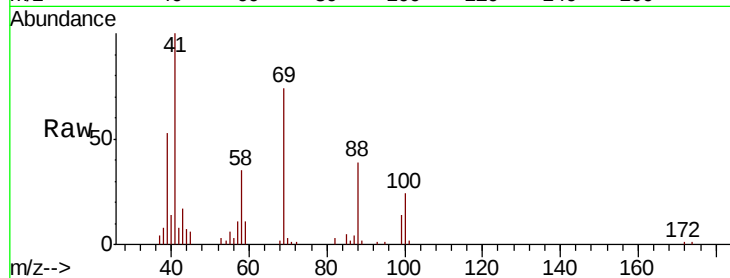
#49
1,4-Dioxane
Concen: 317.403 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.0	29.8	44.8
58	86.2	63.9	95.9

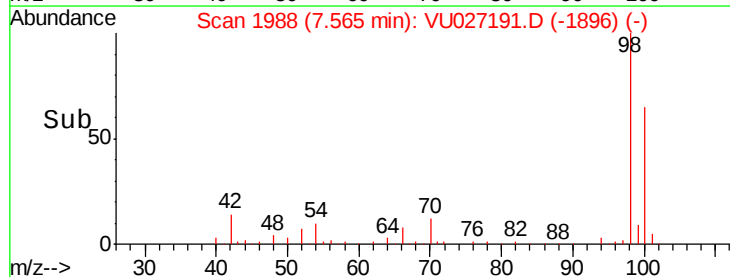
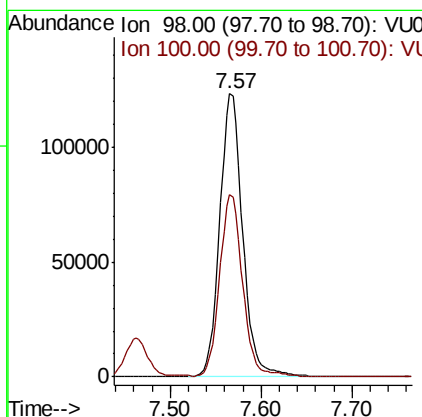
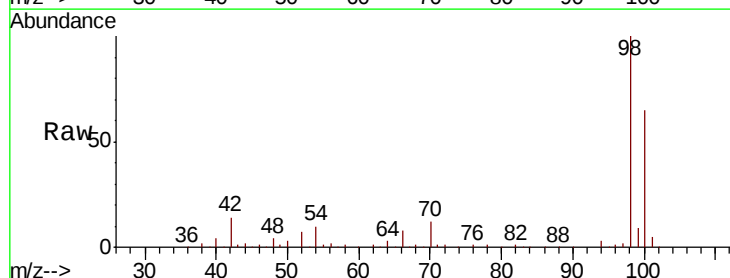
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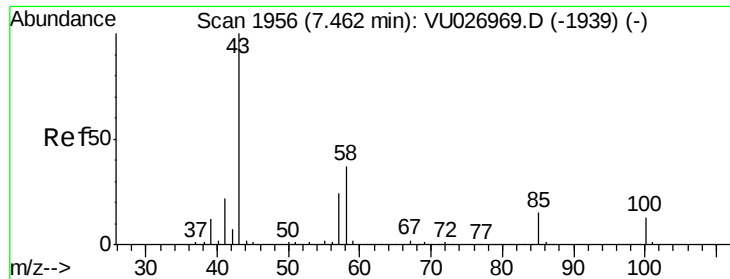
MMDadoda
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#50
Toluene-d8
Concen: 50.512 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





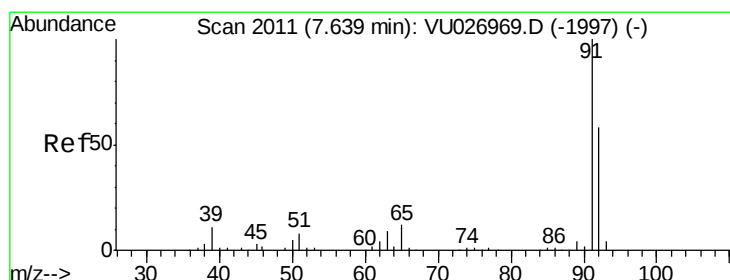
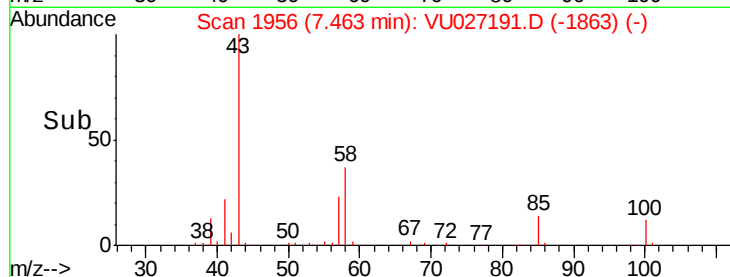
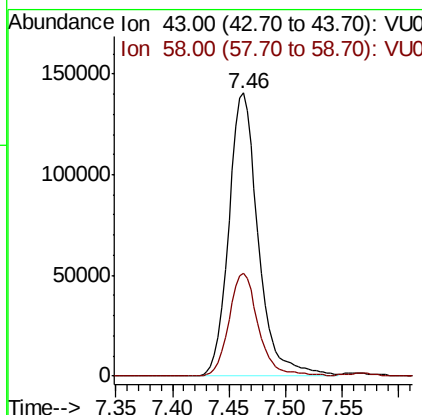
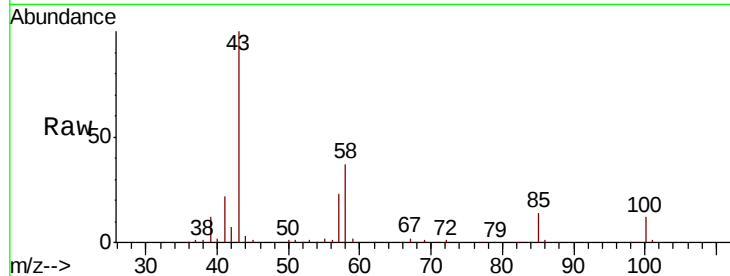
#51
4-Methyl-2-Pentanone
Concen: 110.948 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

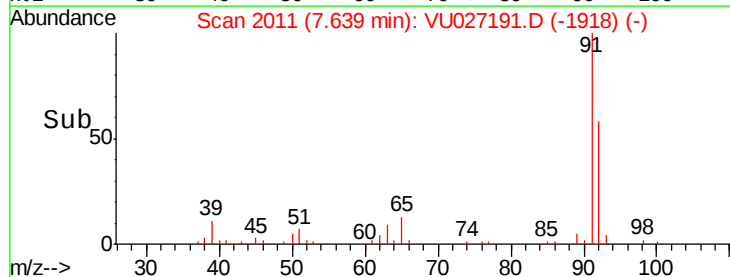
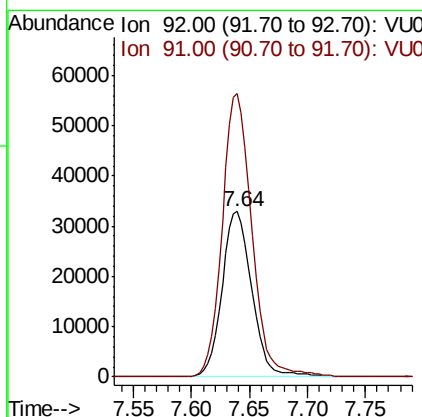
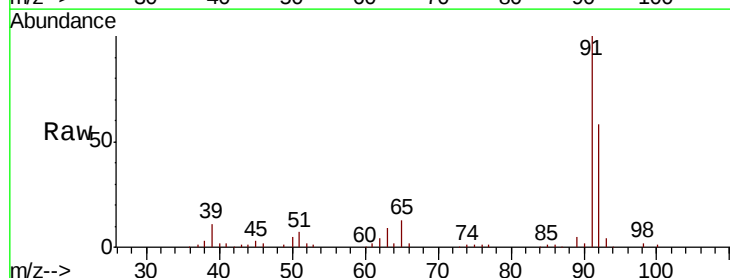
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#52
Toluene
Concen: 19.508 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.5	136.4	204.6





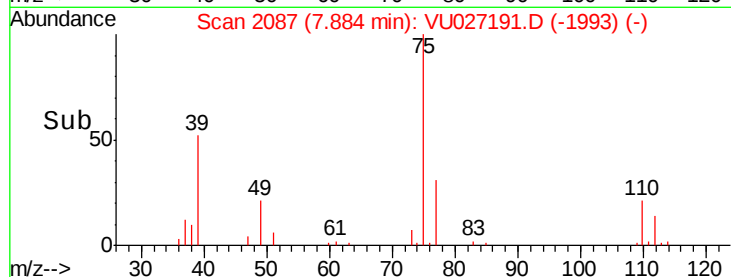
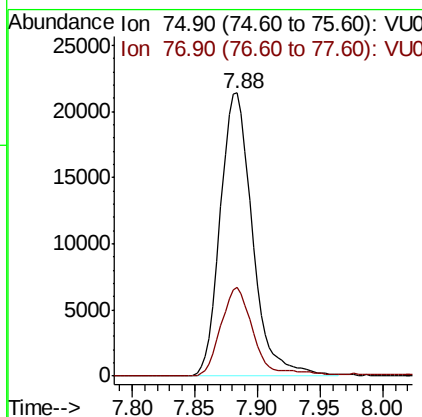
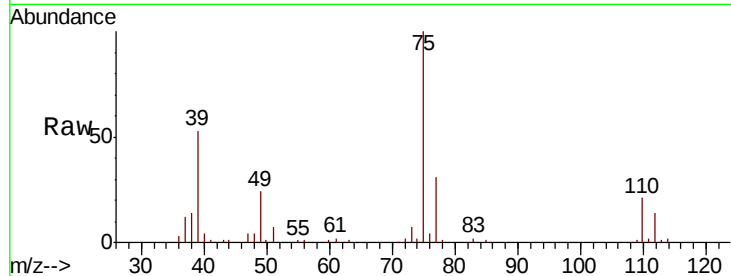
#53
t-1,3-Dichloropropene
Concen: 19.389 ug/l
RT: 7.88 min Scan# 2087
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion: 75 Resp: 38217
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

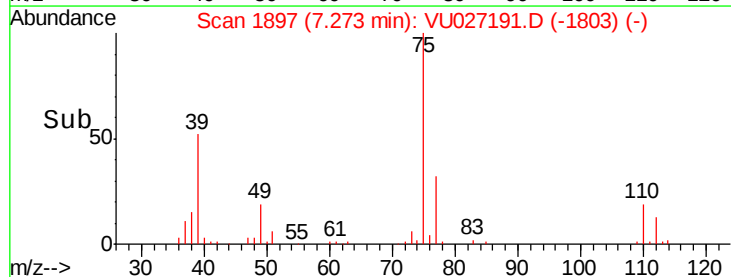
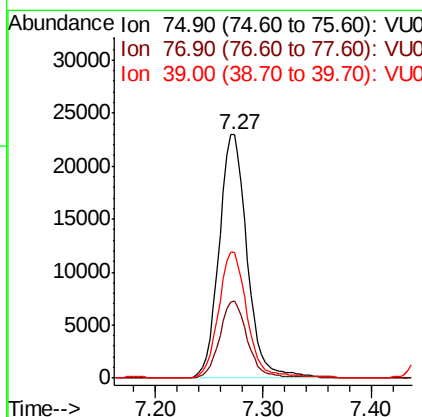
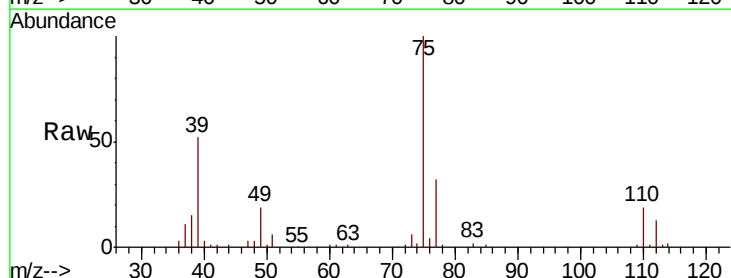
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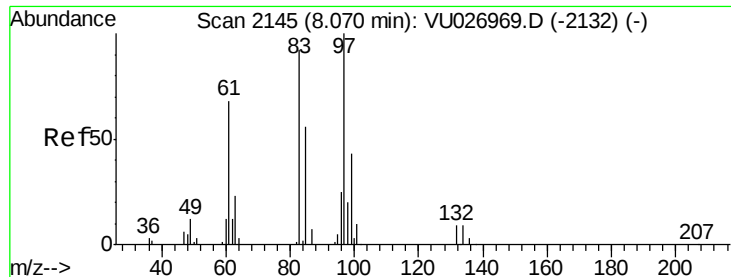
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#54
cis-1,3-Dichloropropene
Concen: 19.195 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 75 Resp: 41602
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 51.7 41.6 62.4





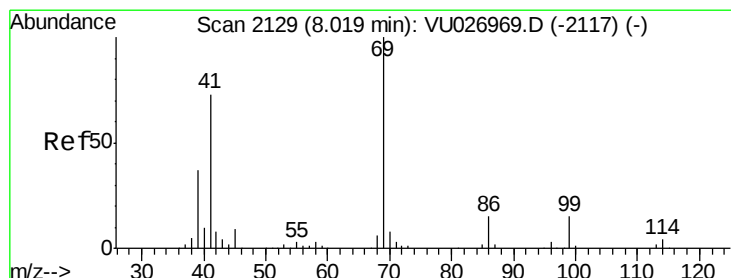
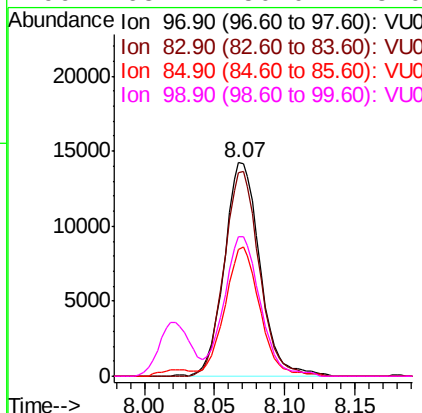
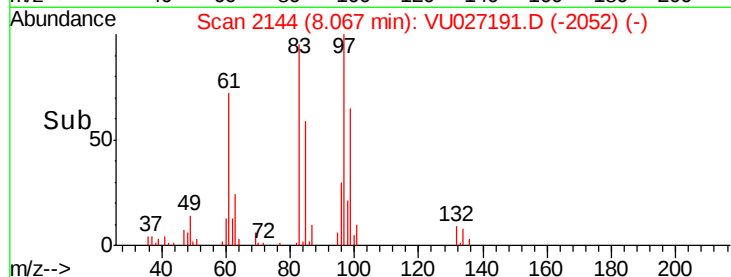
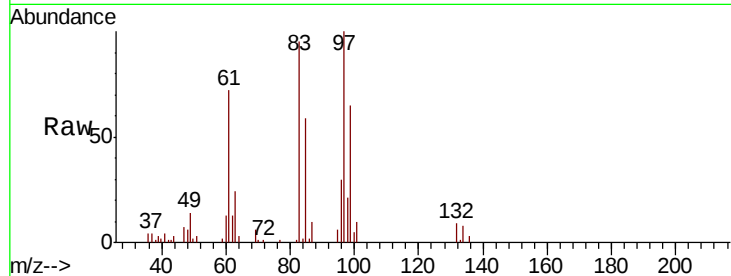
#55
 1,1,2-Trichloroethane
 Concen: 19.642 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion:	97	Resp:	25153
Ion	Ratio	Lower	Upper
97	100		
83	95.3	73.1	109.7
85	59.2	46.7	70.1
99	65.2	50.0	75.0

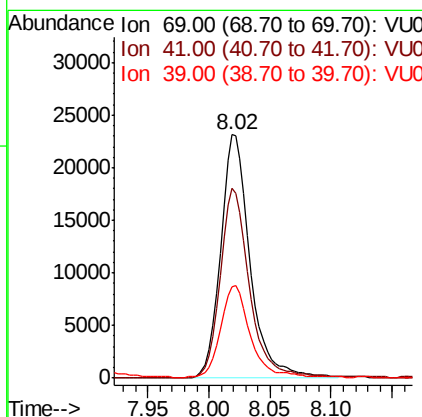
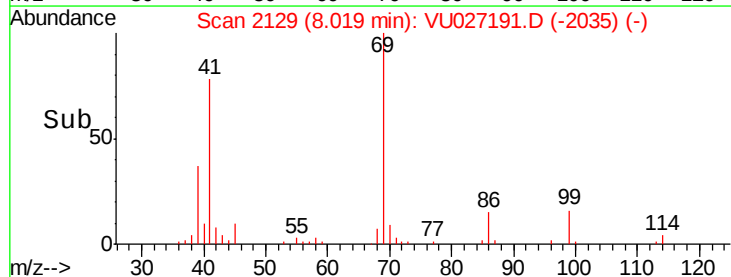
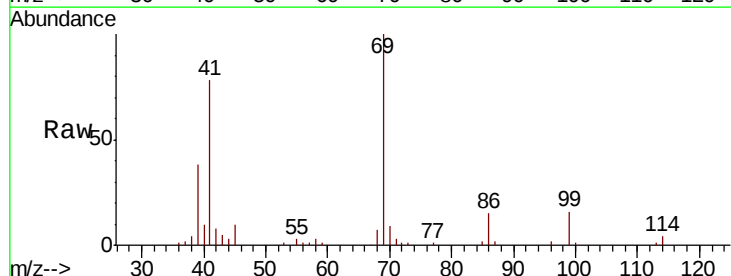
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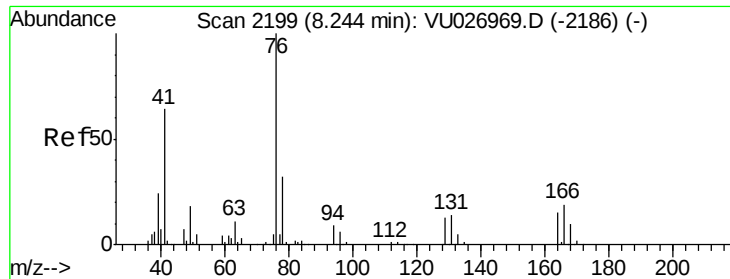
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.084 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion:	69	Resp:	39250
Ion	Ratio	Lower	Upper
69	100		
41	78.0	59.0	88.4
39	39.2	30.2	45.4





#57

1,3-Dichloropropane

Concen: 20.230 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS03

Tot Ion: 76 Resp: 48181

Ion Ratio Lower Upper

76 100

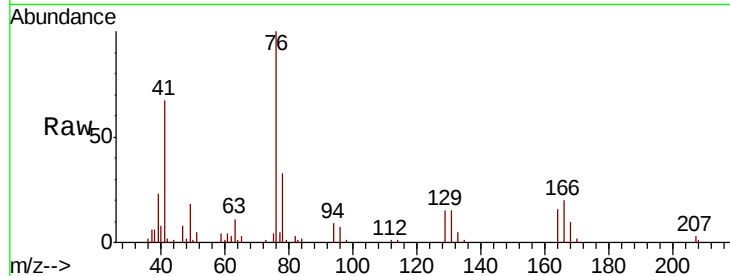
78 31.6 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

30000

25000

20000

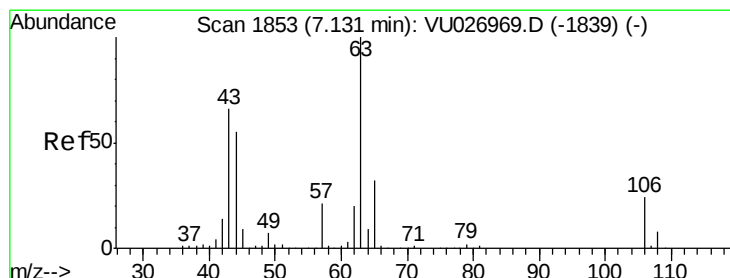
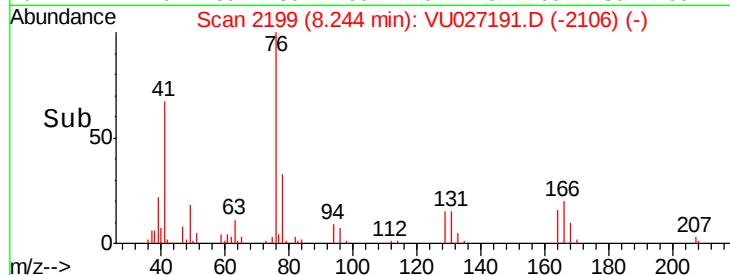
15000

10000

5000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 96.753 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU027191.D

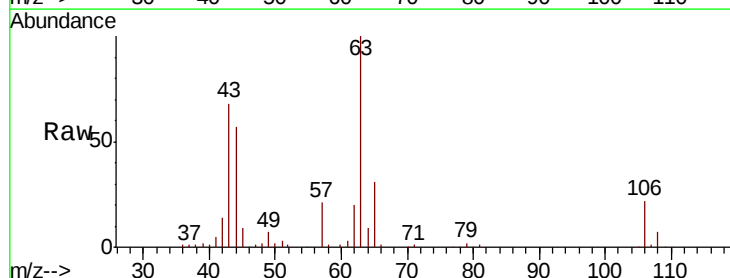
Acq: 26 Sep 2018 21:17

Tgt Ion: 63 Resp: 118169

Ion Ratio Lower Upper

63 100

106 22.5 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

80000

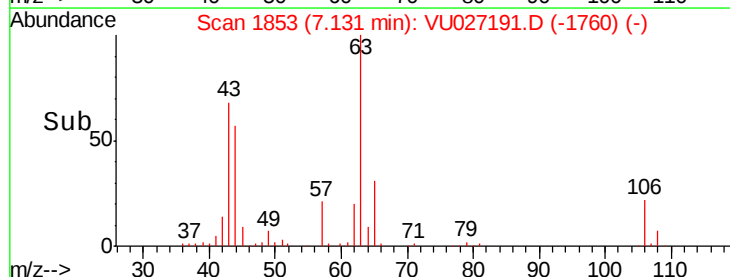
60000

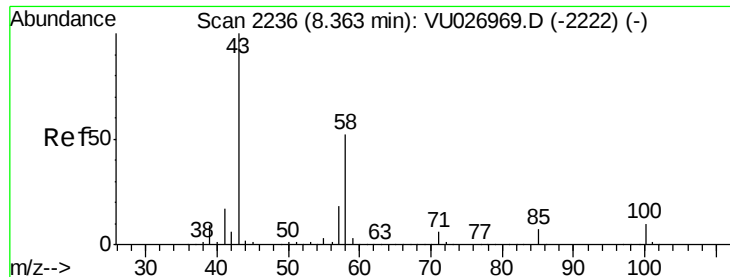
40000

20000

0

Time--> 7.10 7.15 7.20 7.30





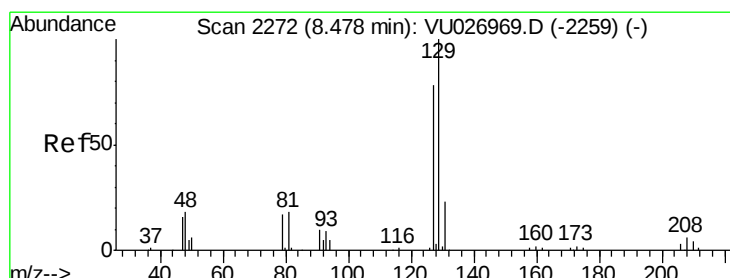
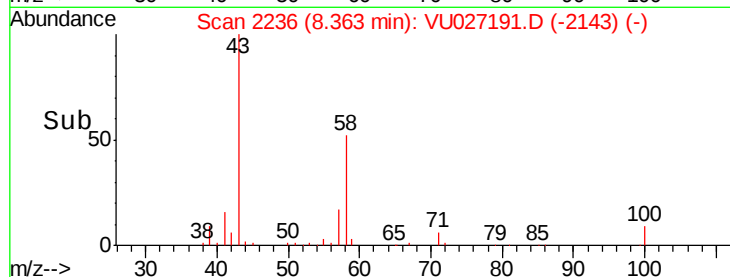
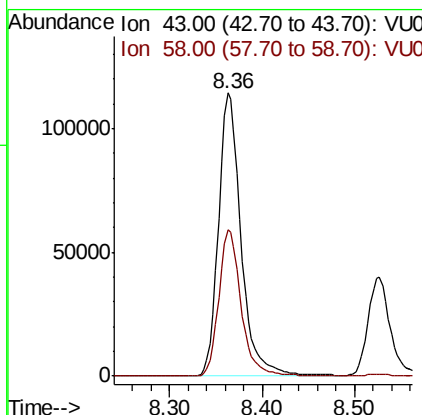
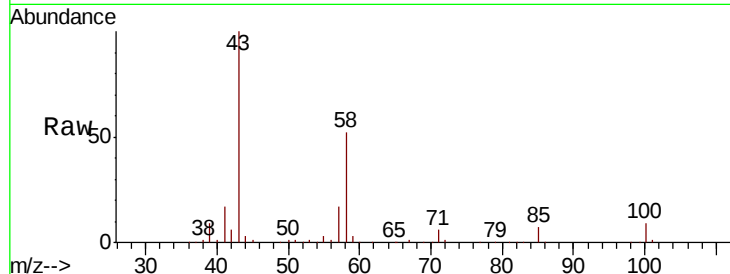
#59
2-Hexanone
Concen: 107.455 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion: 43 Resp: 193702
Ion Ratio Lower Upper
43 100
58 51.0 26.1 78.2

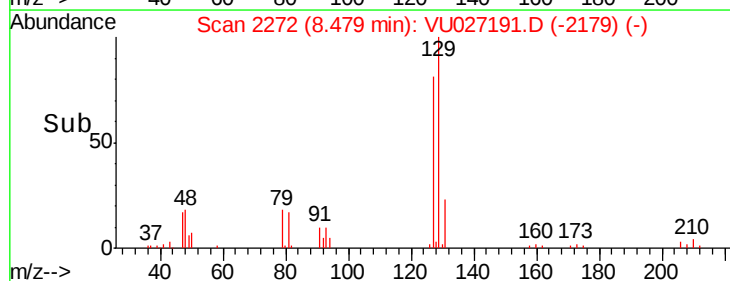
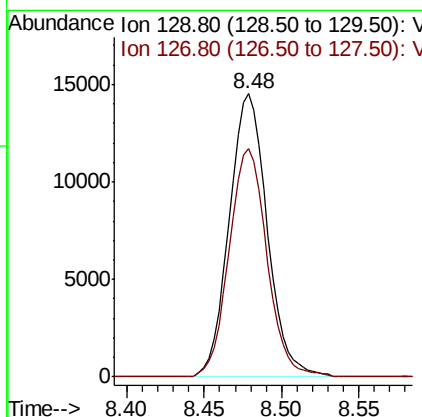
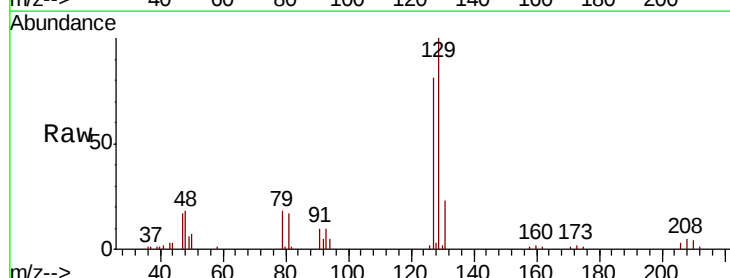
Manual Integrations
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9/27/2018 3:33:23 PM



#60
Dibromochloromethane
Concen: 19.727 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 129 Resp: 24778
Ion Ratio Lower Upper
129 100
127 80.3 38.1 114.5





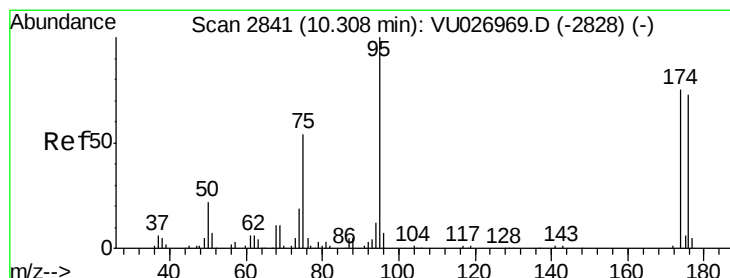
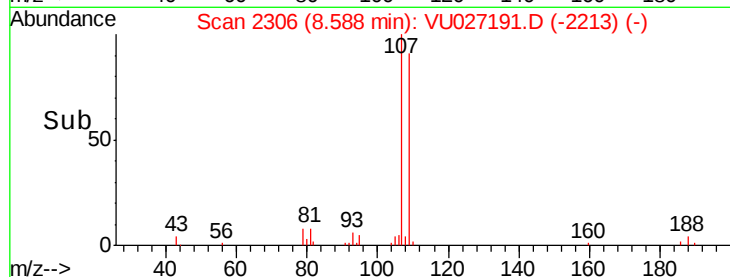
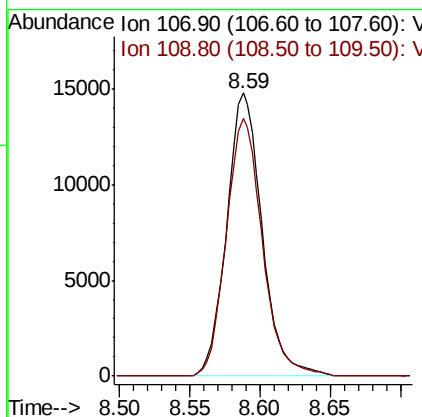
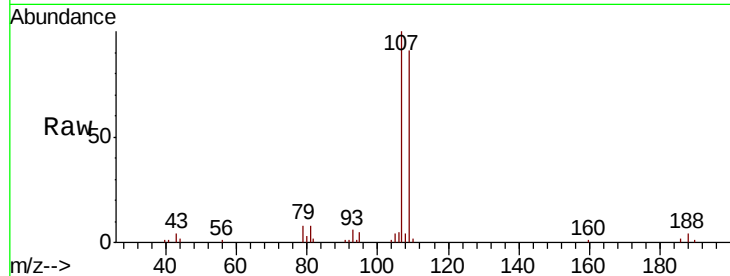
#61
 1,2-Dibromoethane
 Concen: 19.429 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.0	112.6

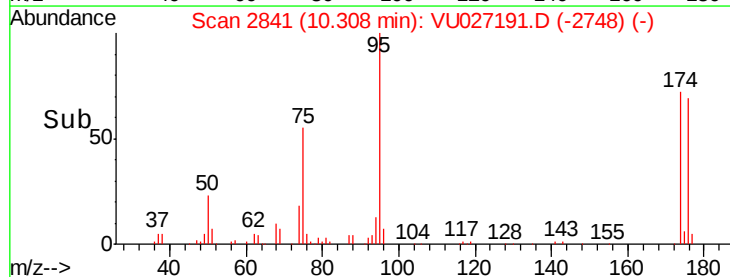
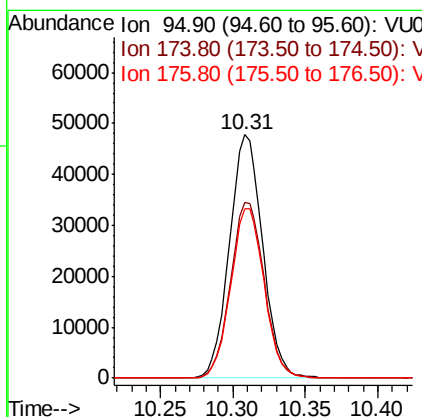
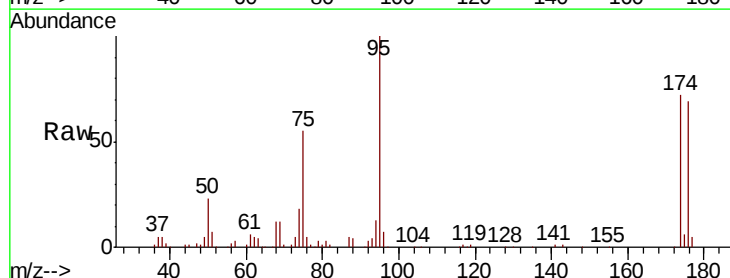
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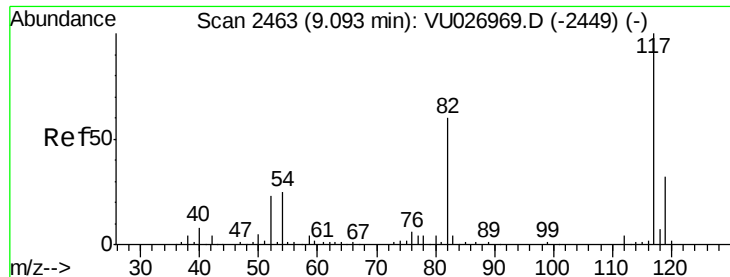
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.445 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	150.2
176	70.3	0.0	145.2





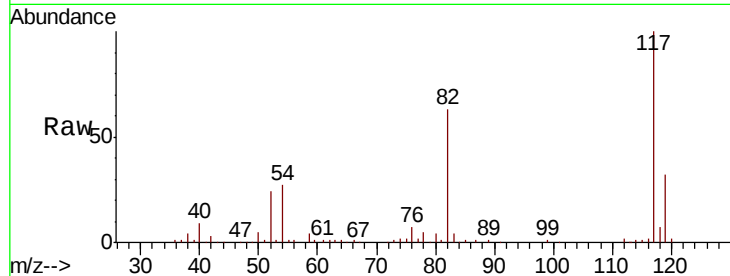
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.8	48.0	72.0
119	32.4	25.8	38.8

Manual Integrations
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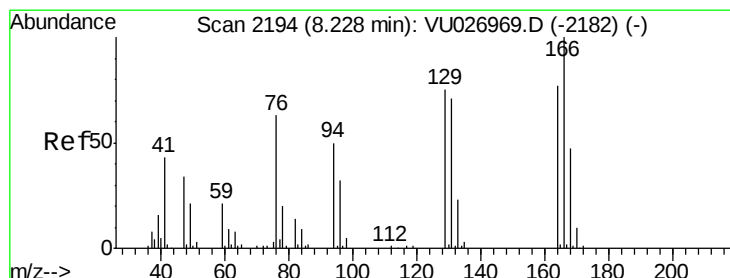
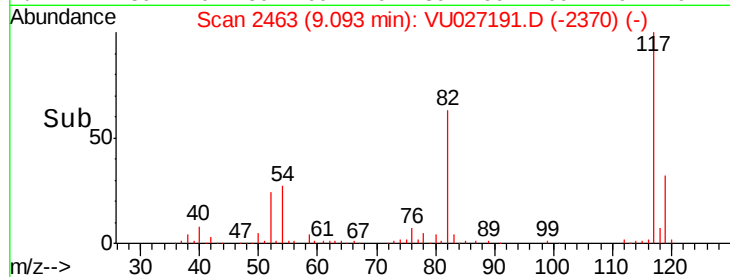
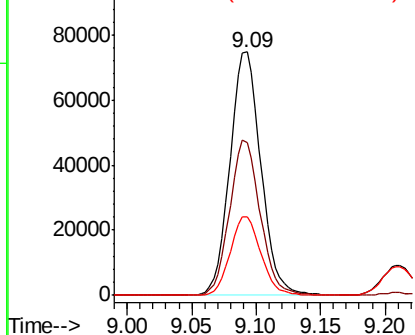


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.353 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.4	156.6
129	101.2	78.7	118.1
131	92.6	73.9	110.9

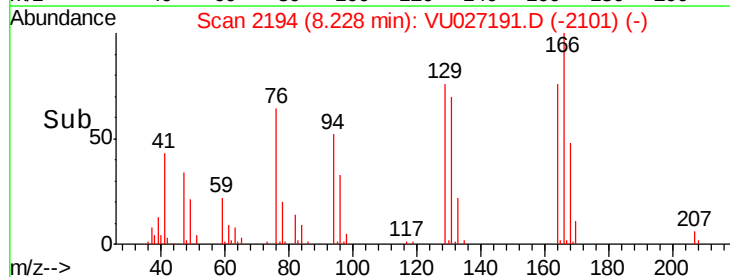
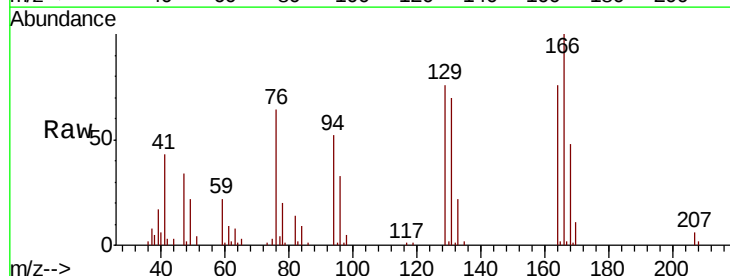
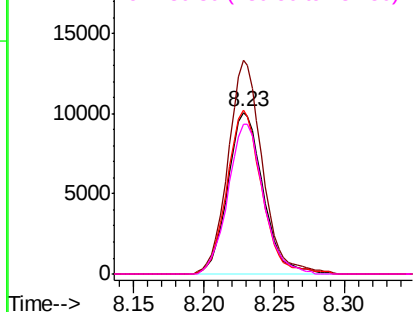
Abundance

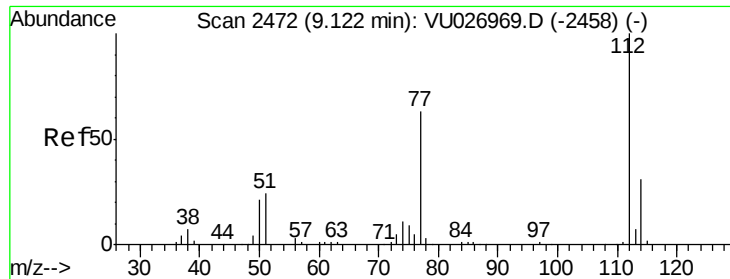
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





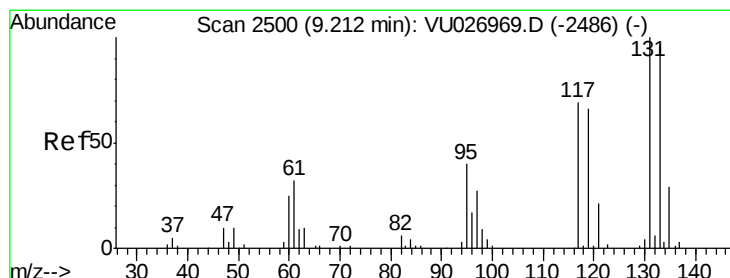
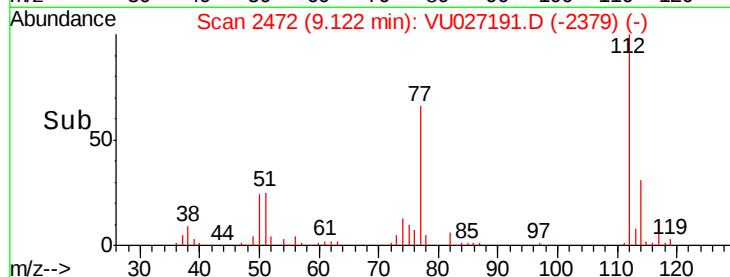
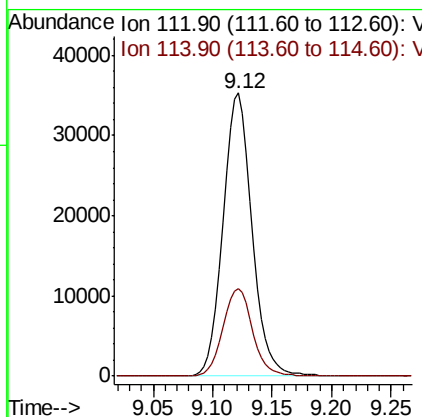
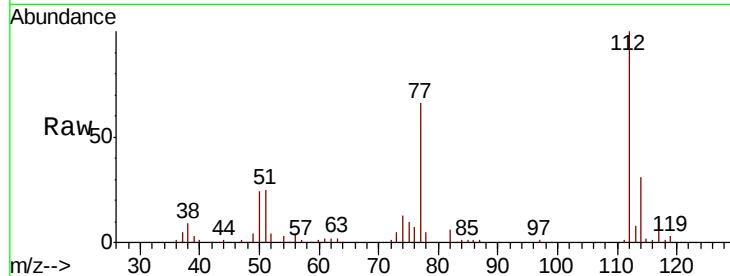
#65
Chlorobenzene
Concen: 17.942 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion:112 Resp: 59504
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.6

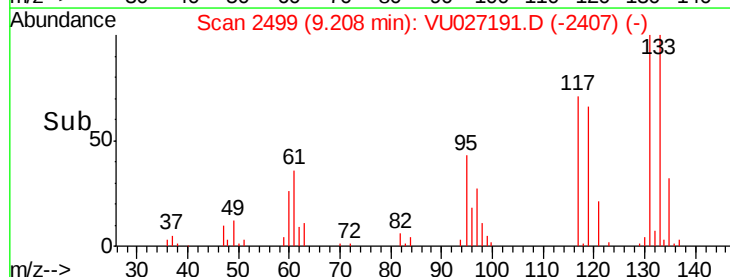
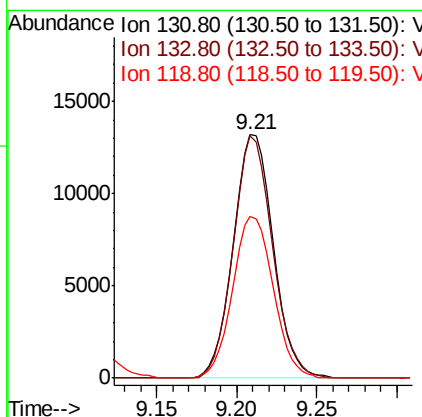
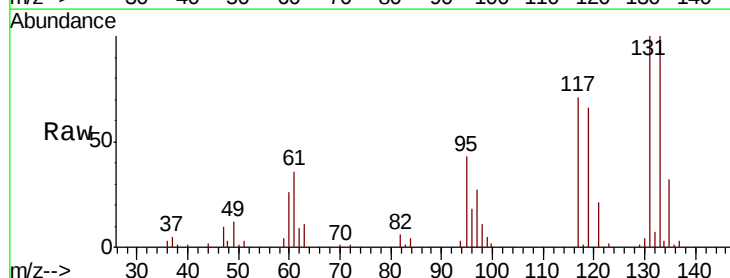
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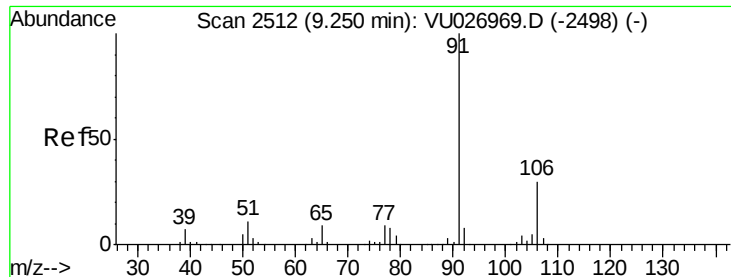
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.665 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion:131 Resp: 22463
Ion Ratio Lower Upper
131 100
133 97.6 48.0 144.2
119 67.5 33.4 100.1





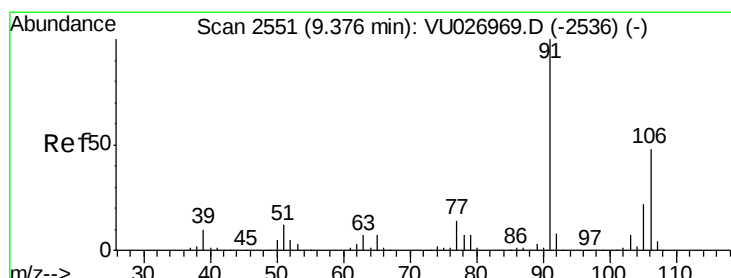
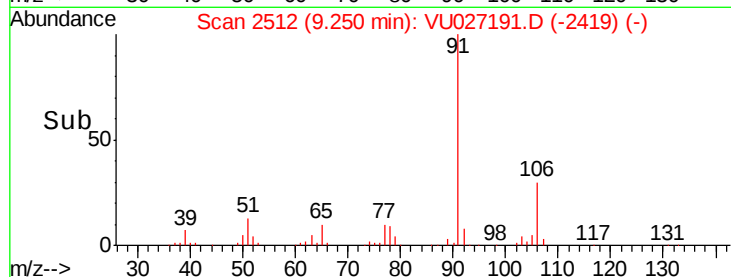
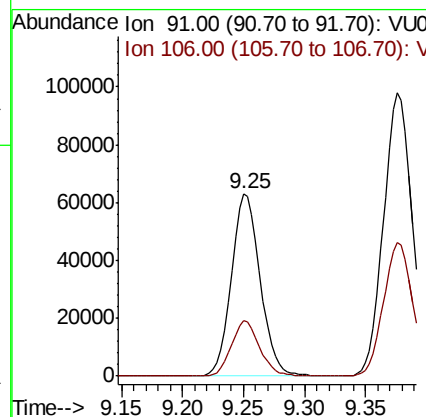
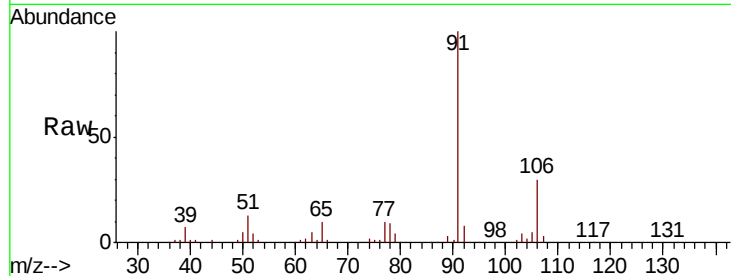
#67
Ethyl Benzene
Concen: 19.118 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion: 91 Resp: 104260
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8

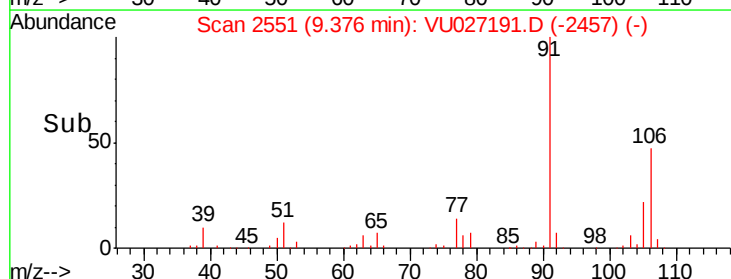
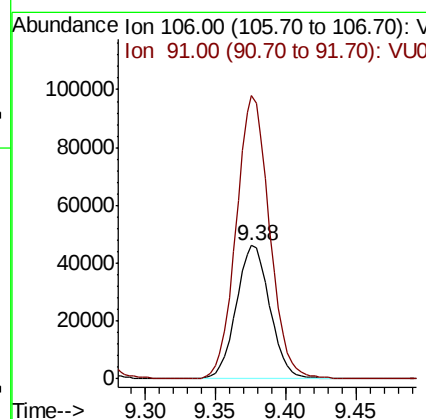
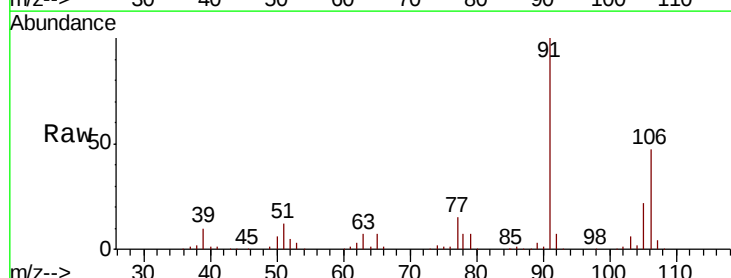
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#68
m/p-Xylenes
Concen: 36.002 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion: 106 Resp: 77360
Ion Ratio Lower Upper
106 100
91 210.4 166.5 249.7





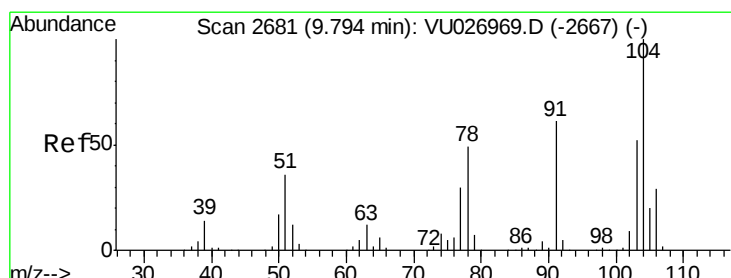
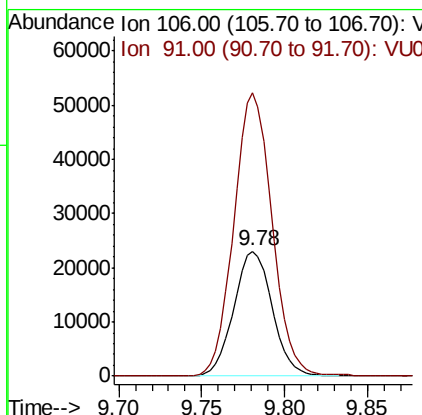
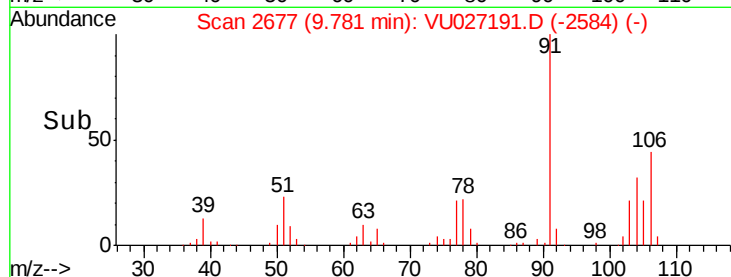
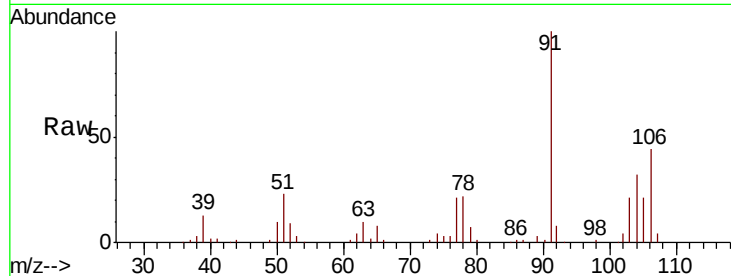
#69
o-Xylene
Concen: 19.275 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion:106 Resp: 37244
Ion Ratio Lower Upper
106 100
91 225.2 110.2 330.6

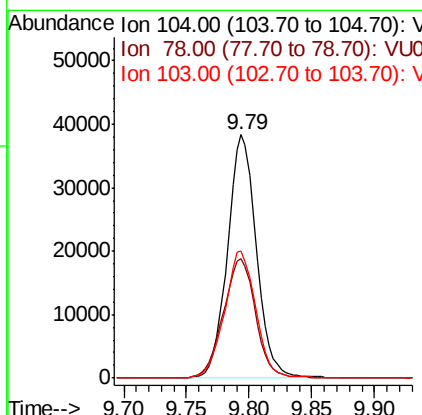
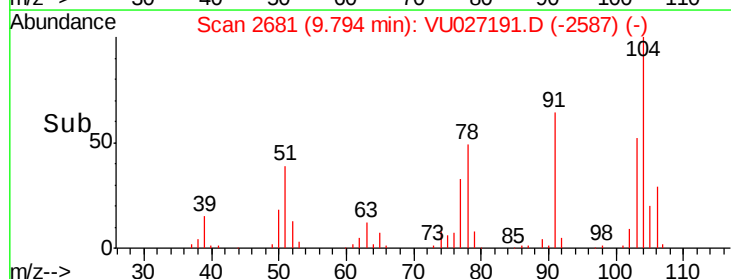
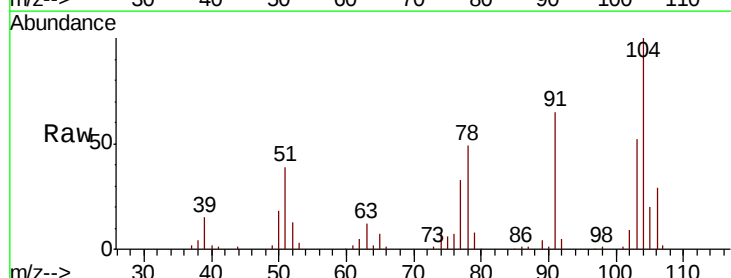
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#70
Styrene
Concen: 18.208 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion:104 Resp: 61382
Ion Ratio Lower Upper
104 100
78 54.7 43.0 64.4
103 56.2 44.1 66.1





#71

Bromoform

Concen: 20.427 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

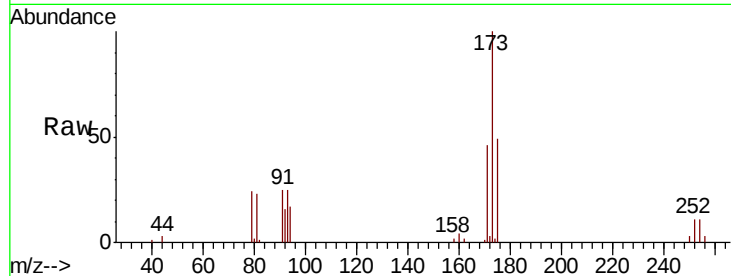
ClientSampleId :

VU0926WBS03

Tot Ion:	173	Resp:	18044
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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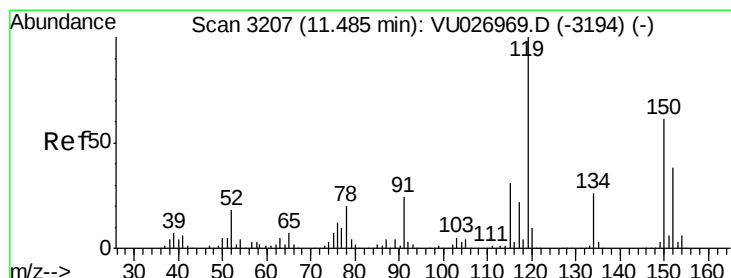
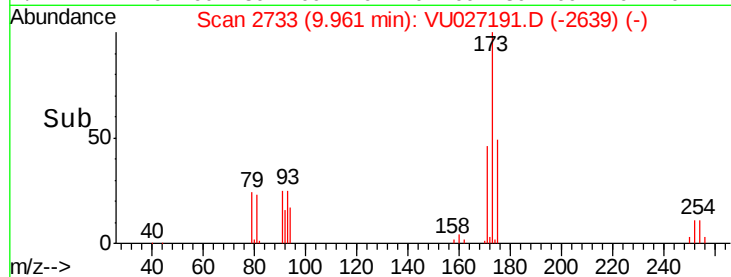
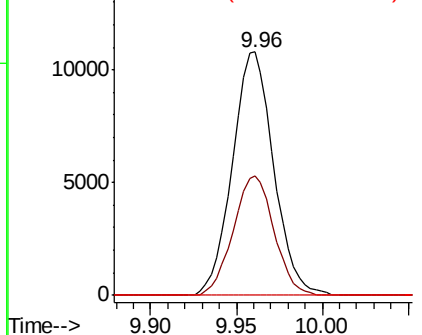


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

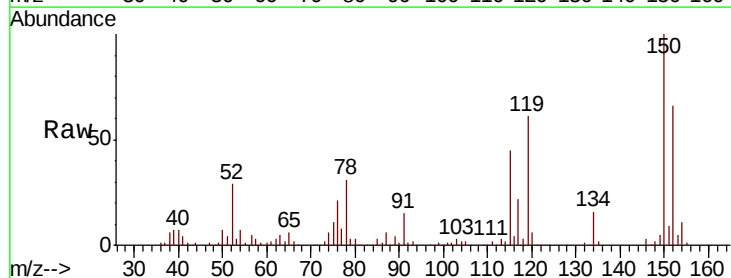
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion:	152	Resp:	66796
Ion Ratio	Lower	Upper	
152	100		
115	71.1	44.9	134.5
150	160.2	0.0	355.8

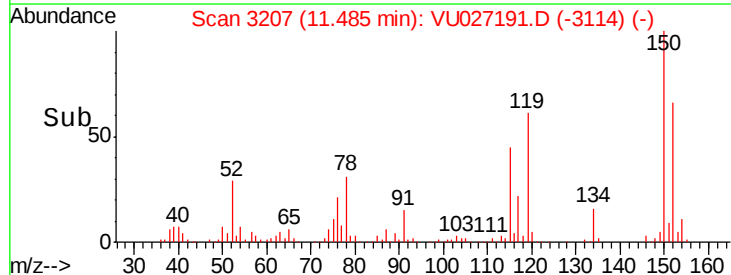
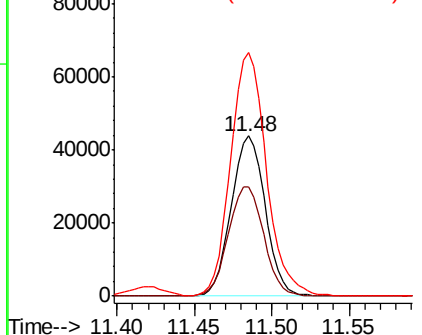


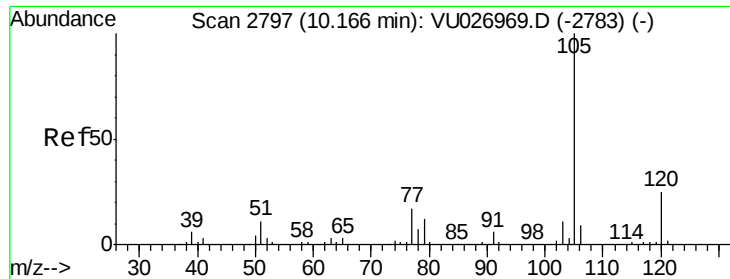
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





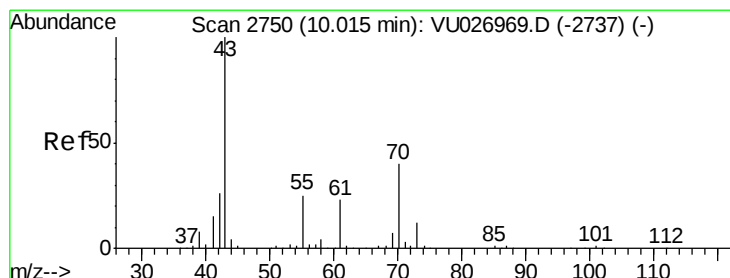
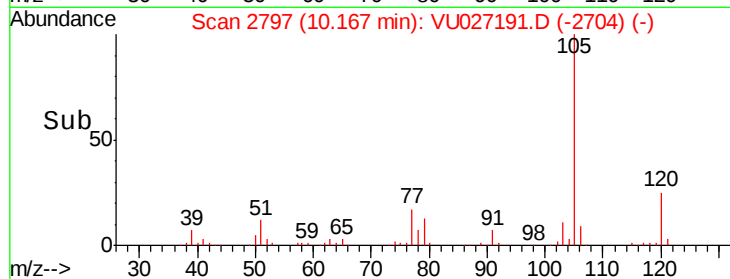
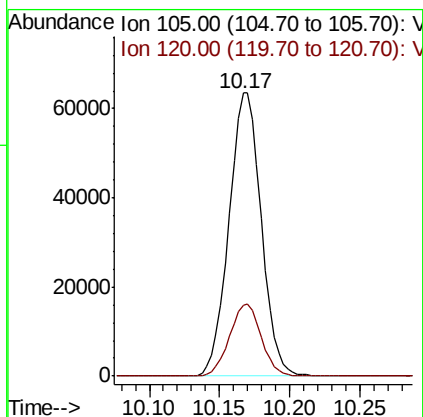
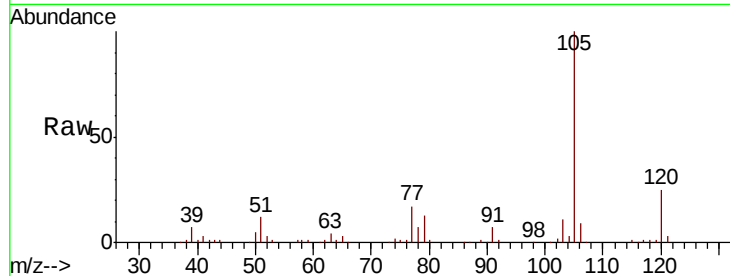
#73
Isopropylbenzene
Concen: 20.029 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.8	38.4

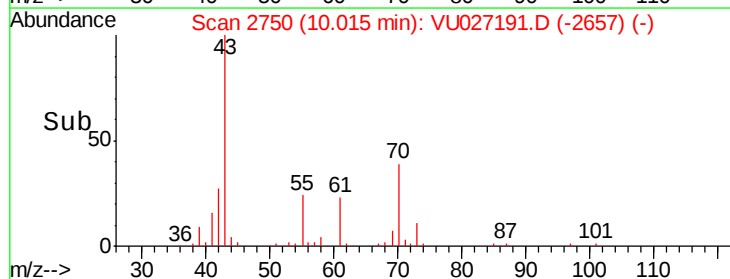
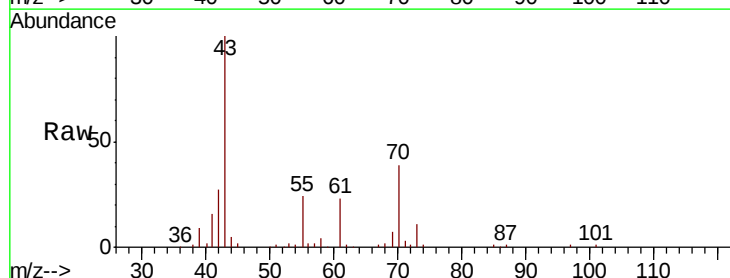
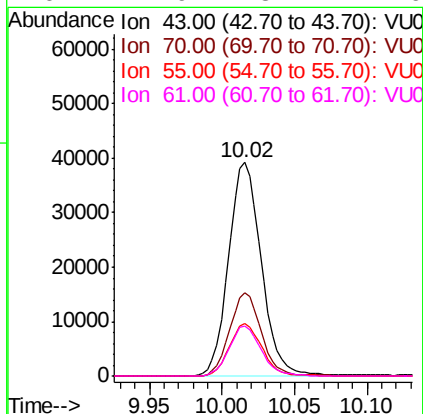
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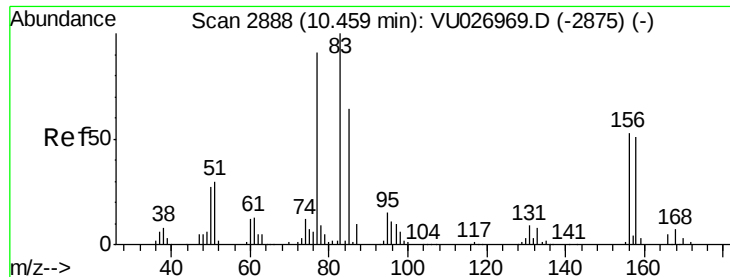
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#74
N-ethyl acetate
Concen: 20.898 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	31.8	47.8
55	24.3	19.9	29.9
61	22.9	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.644 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

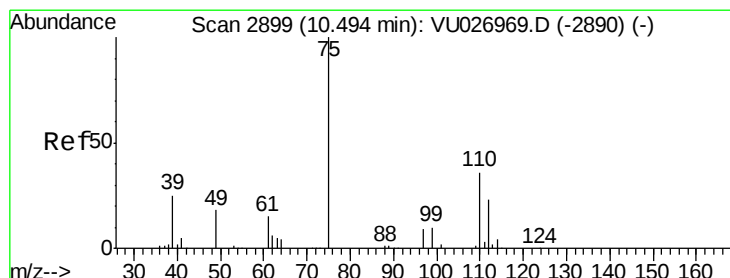
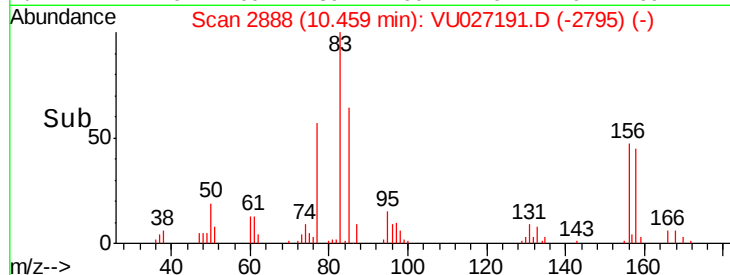
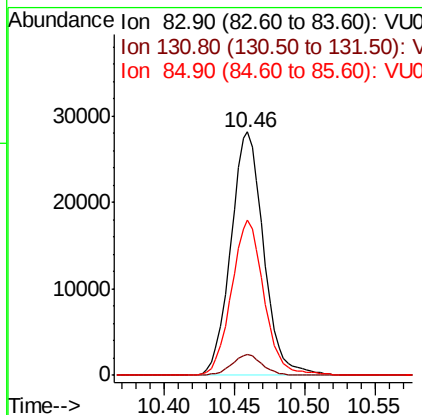
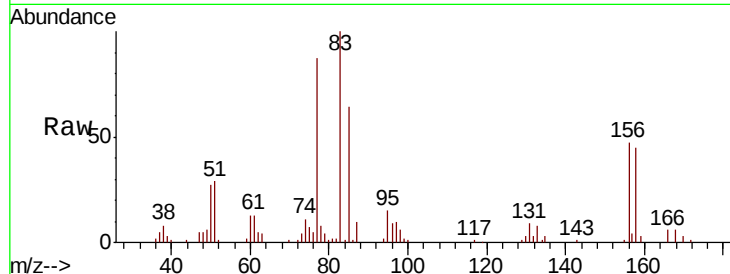
ClientSampleId :

VU0926WBS03

Tot Ion:	83	Resp:	45892
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.3	12.8
85	63.1	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.884 ug/l m

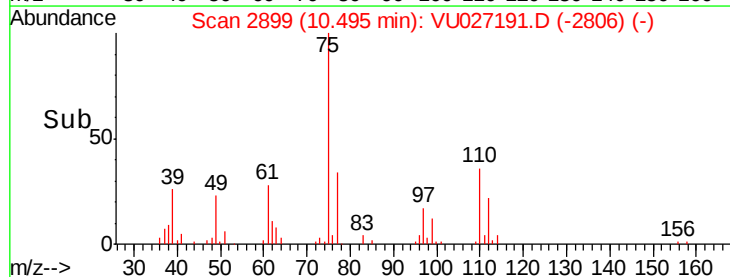
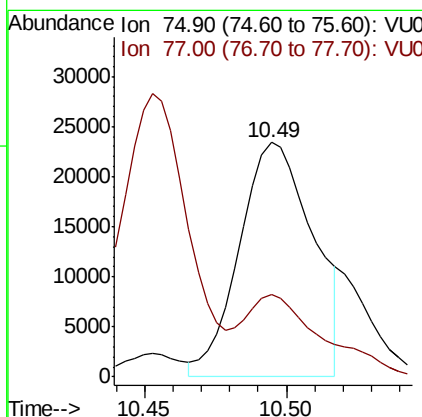
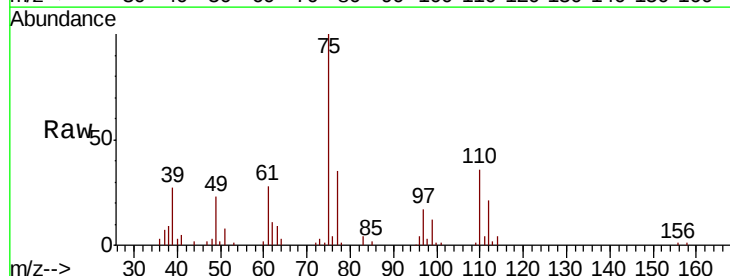
RT: 10.49 min Scan# 2899

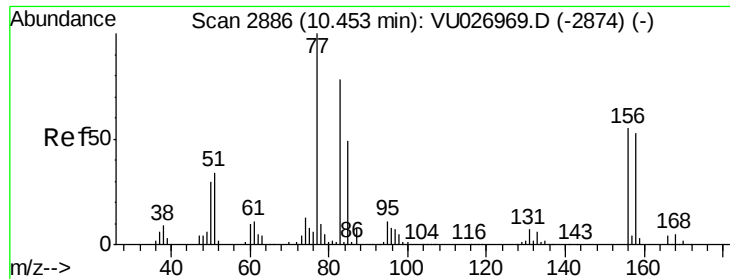
Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion:	75	Resp:	42378
Ion Ratio	Lower	Upper	
75	100		
77	36.4	20.9	62.8





#77

Bromobenzene

Concen: 19.457 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

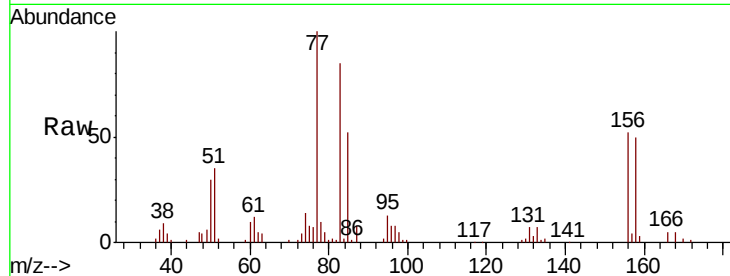
ClientSampleId :

VU0926WBS03

Tot Ion:	156	Resp:	24159
Ion	Ratio	Lower	Upper
156	100		
77	192.8	92.3	276.9
158	95.7	48.1	144.3

Manual Integrations
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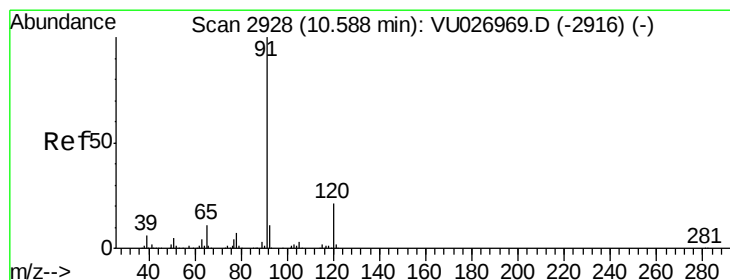
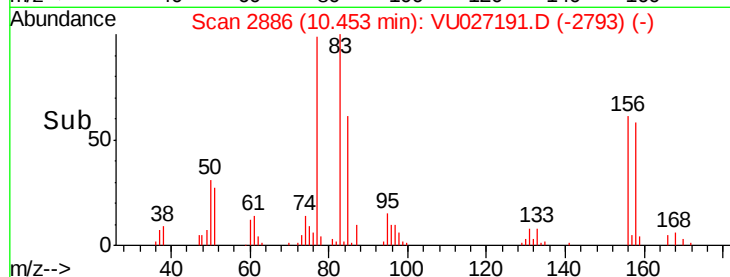
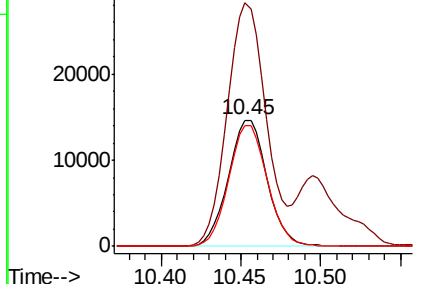
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.895 ug/l

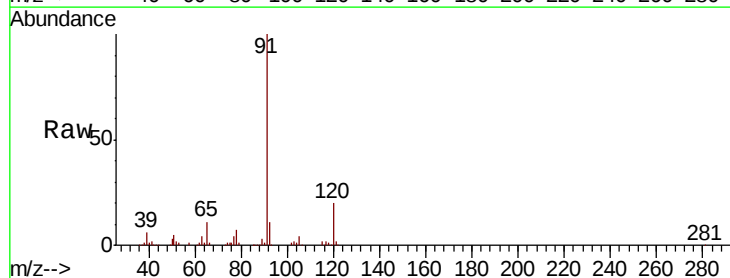
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027191.D

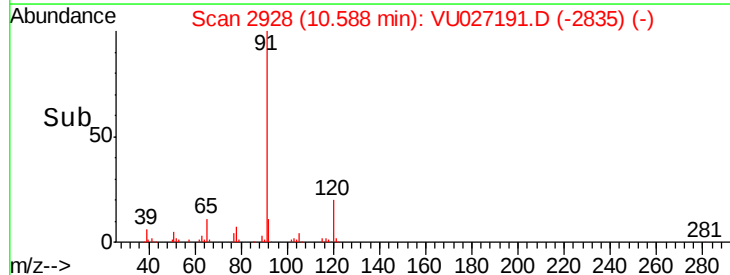
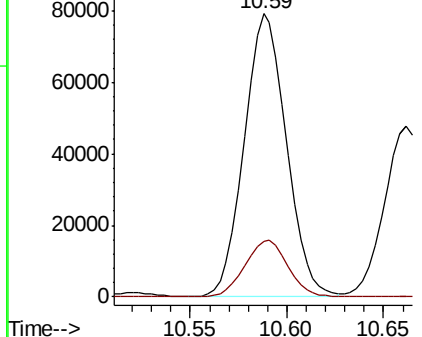
Acq: 26 Sep 2018 21:17

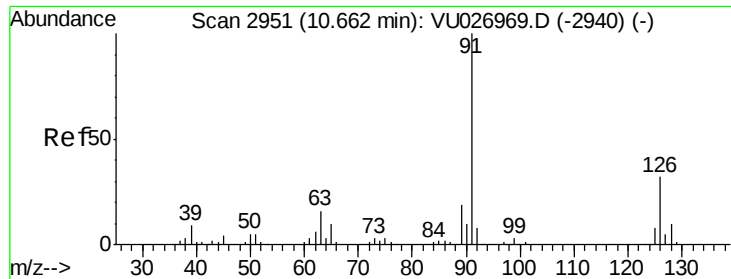
Tgt Ion:	91	Resp:	119610
Ion	Ratio	Lower	Upper
91	100		
120	20.5	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





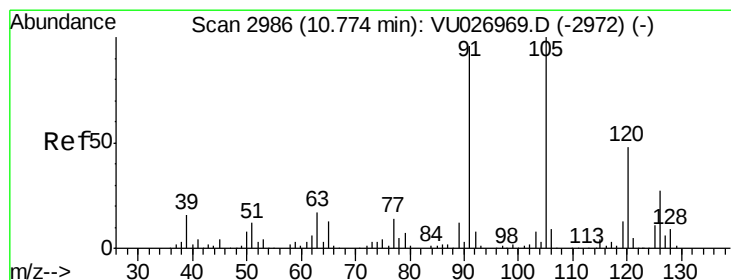
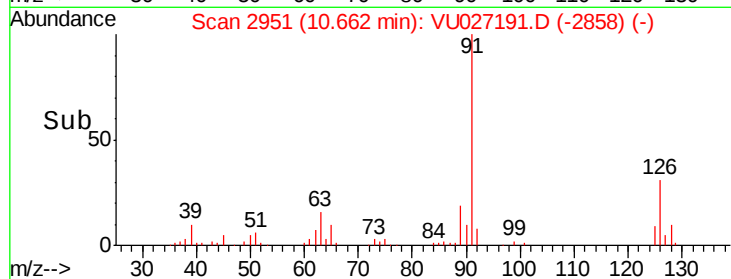
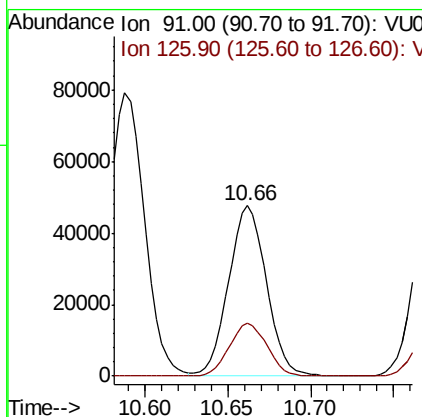
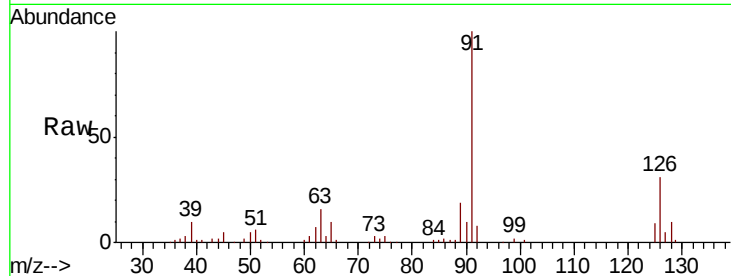
#79
 2-Chlorotoluene
 Concen: 19.856 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion: 91 Resp: 74983
 Ion Ratio Lower Upper
 91 100
 126 31.1 15.8 47.3

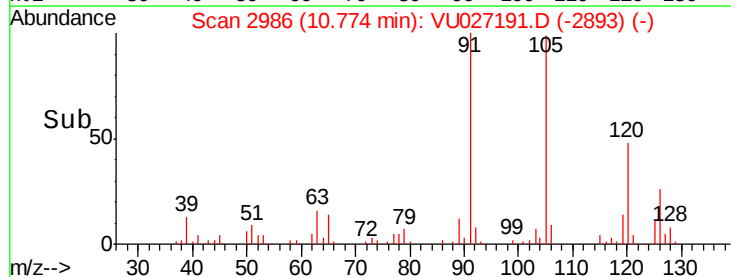
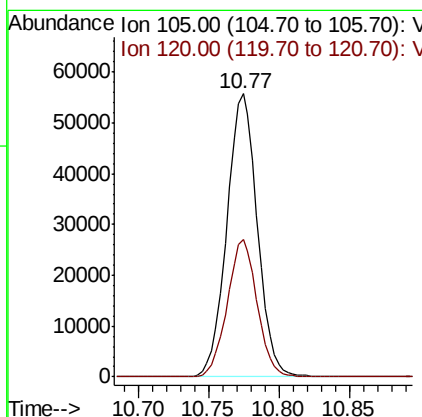
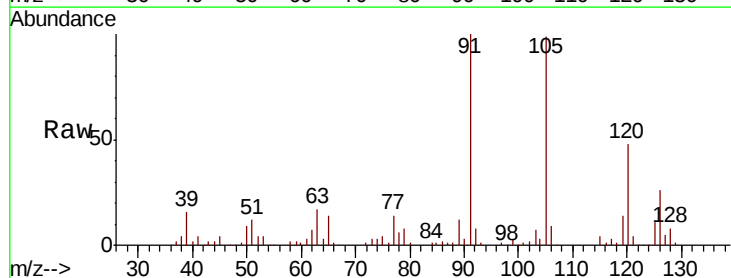
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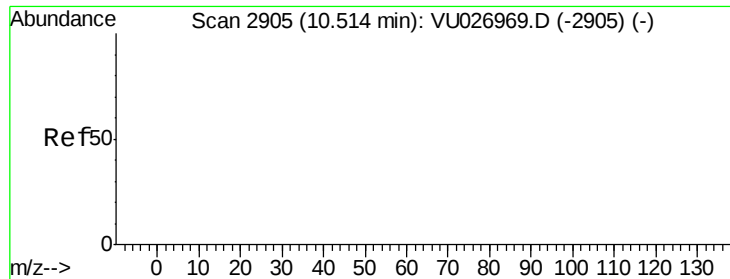
MMDadoda
 9/27/2018 3:33:23 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.017 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion: 105 Resp: 83959
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 16.742 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027191.D

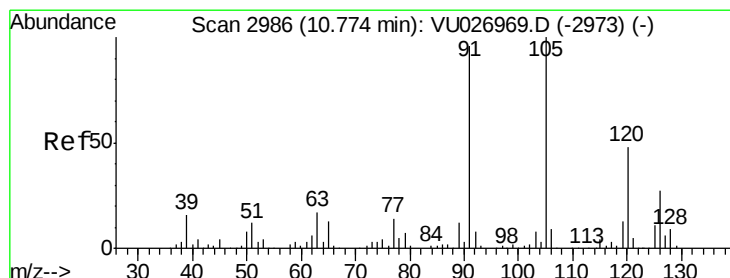
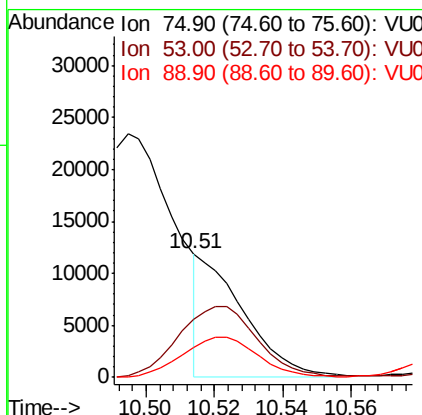
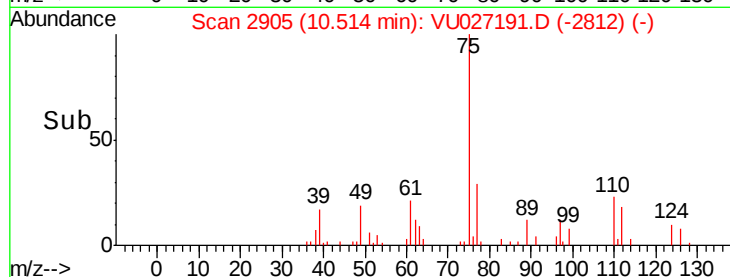
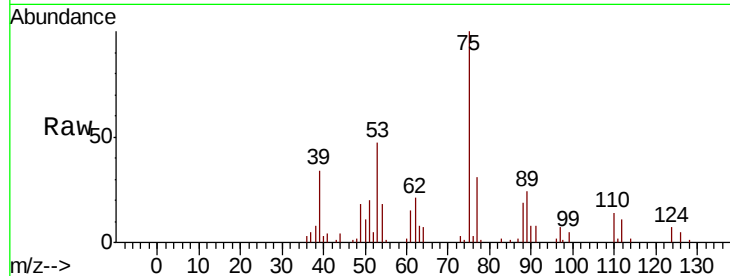
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

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

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#82

4-Chlorotoluene

Concen: 20.104 ug/l

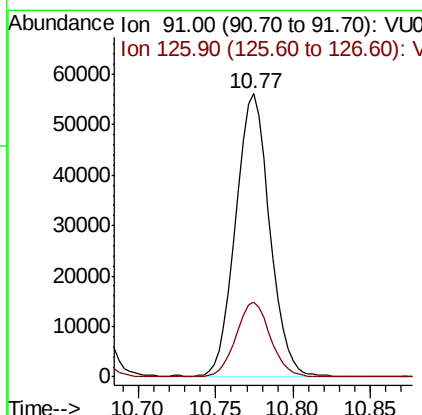
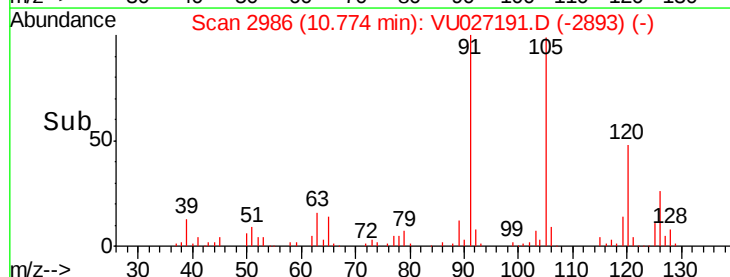
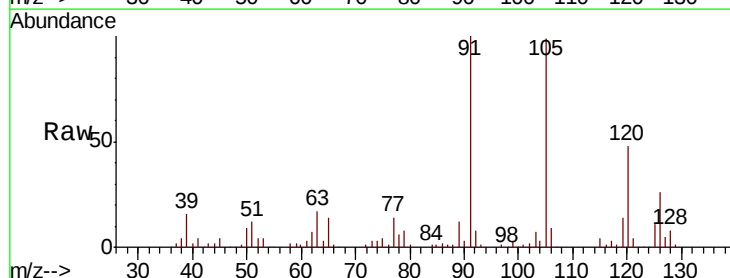
RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.8	14.1	42.2





#83

tert-Butylbenzene

Concen: 19.179 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Instrument :

MSVOA_U

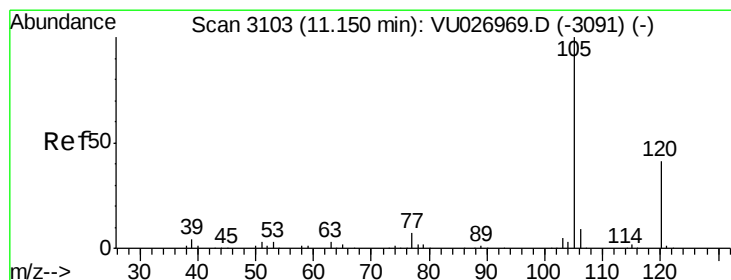
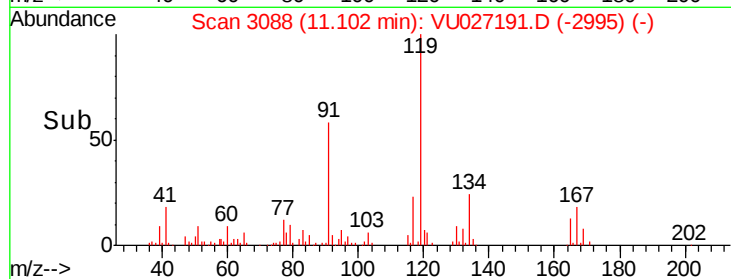
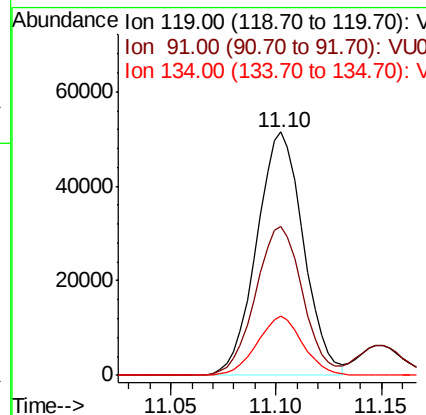
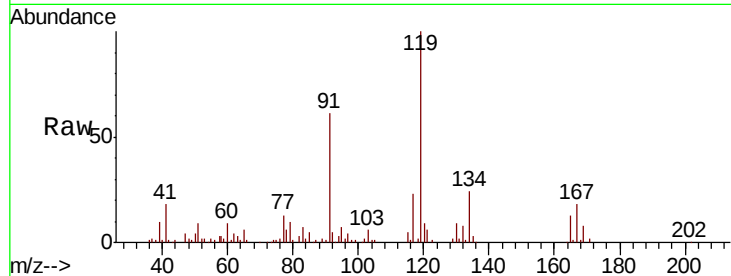
ClientSampleId :

VU0926WBS03

Tot Ion:	119	Resp:	79531
Ion Ratio	Lower	Upper	
119	100		
91	61.9	29.8	89.4
134	23.6	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.055 ug/l

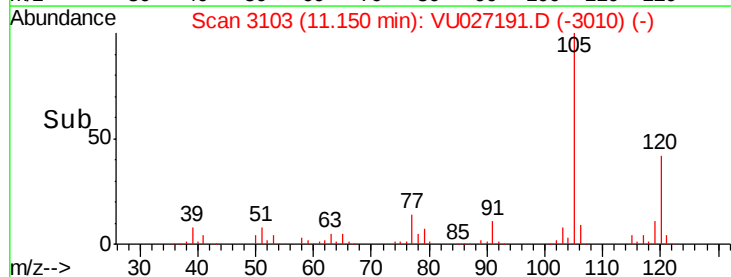
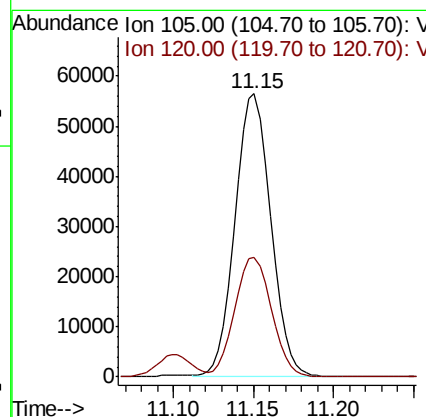
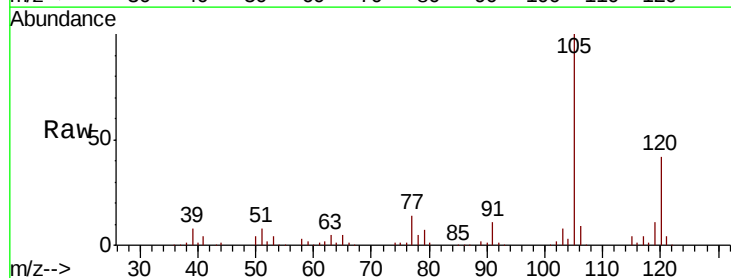
RT: 11.15 min Scan# 3103

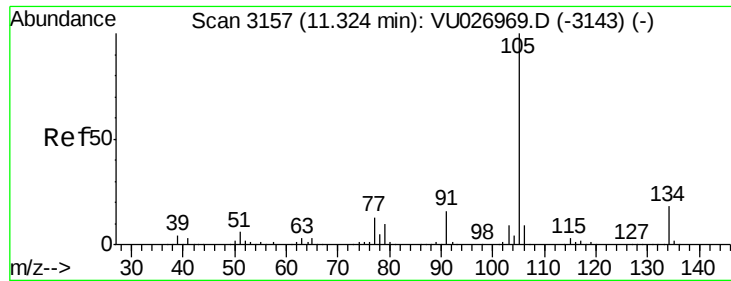
Delta R.T. 0.00 min

Lab File: VU027191.D

Acq: 26 Sep 2018 21:17

Tgt Ion:	105	Resp:	85606
Ion Ratio	Lower	Upper	
105	100		
120	43.8	22.4	67.2





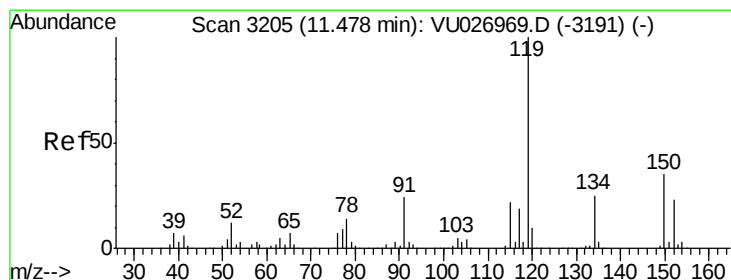
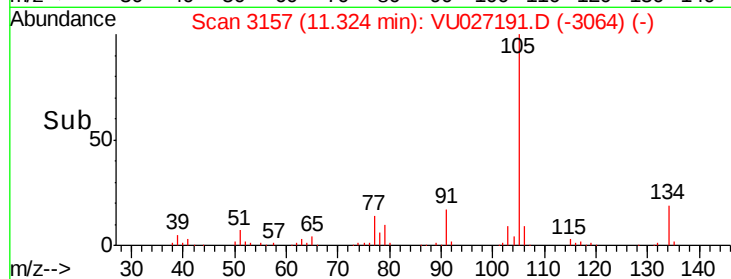
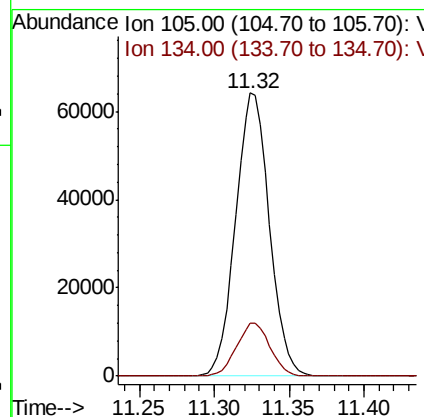
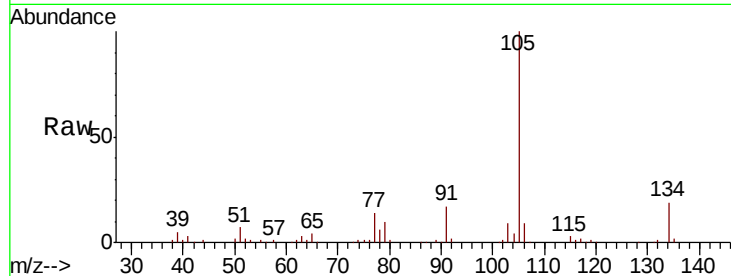
#85
 sec-Butylbenzene
 Concen: 19.901 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	100737		
134	18.6	9.4	28.2	

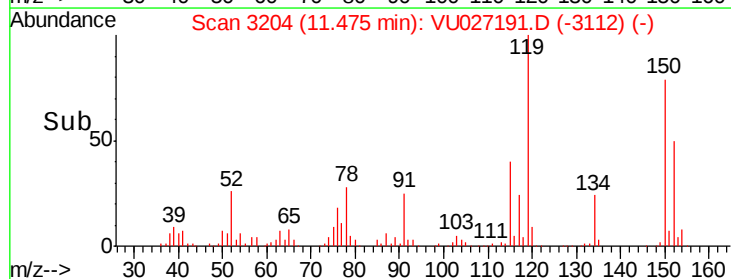
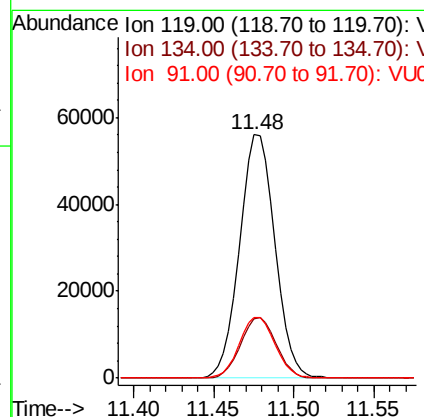
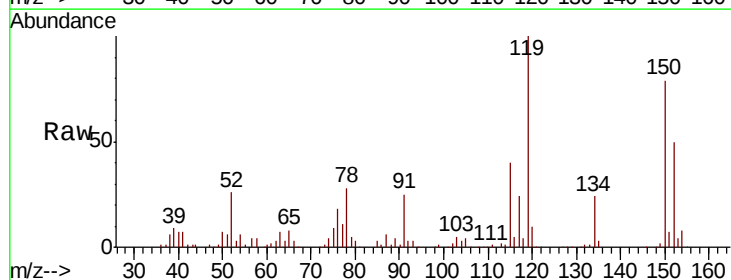
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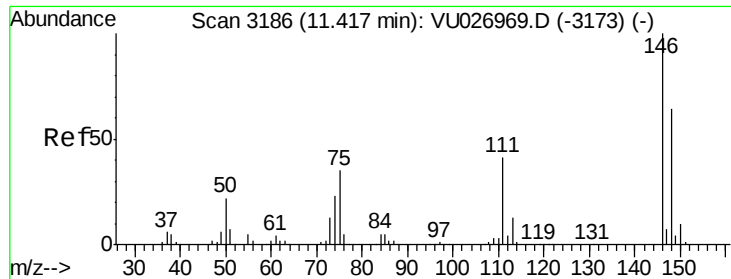
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#86
 p-Isopropyltoluene
 Concen: 18.296 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	84055		
134	25.0	12.8	38.3	
91	25.4	12.3	36.8	





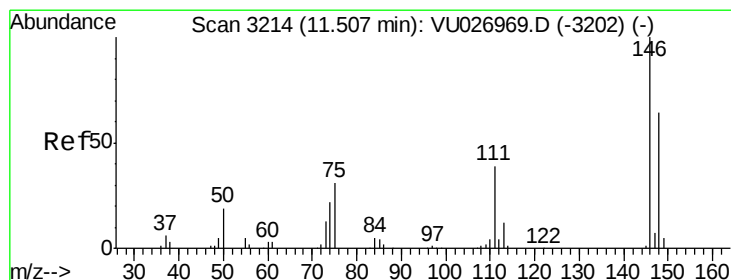
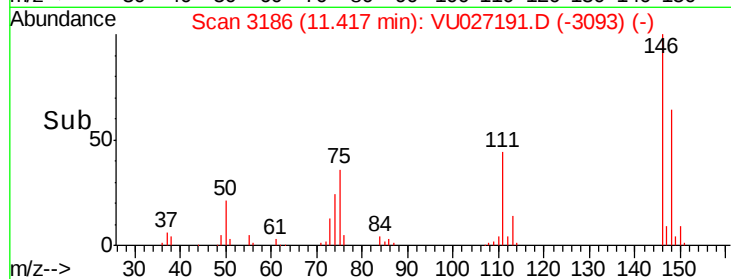
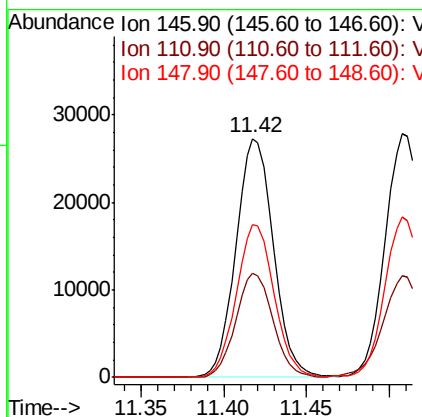
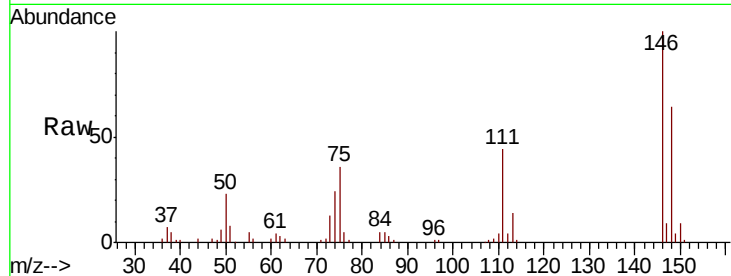
#87
 1,3-Dichlorobenzene
 Concen: 18.571 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	20.8	62.2
148	64.6	32.0	96.2

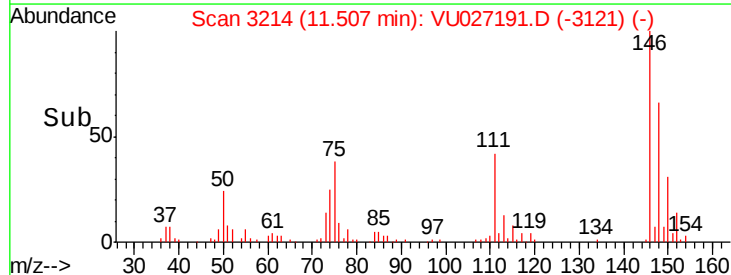
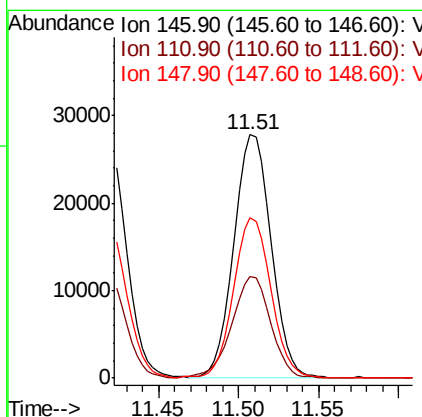
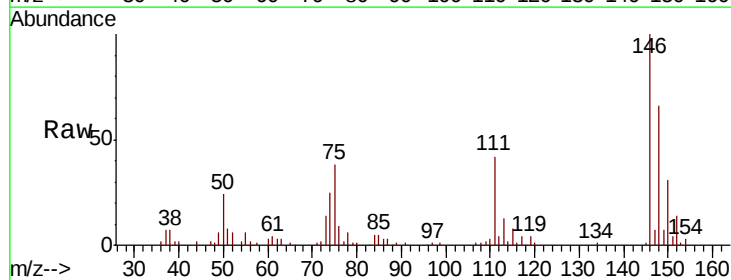
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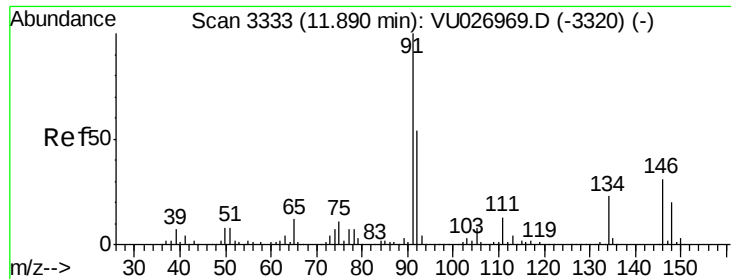
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#88
 1,4-Dichlorobenzene
 Concen: 17.567 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.3	60.9
148	66.1	31.9	95.9





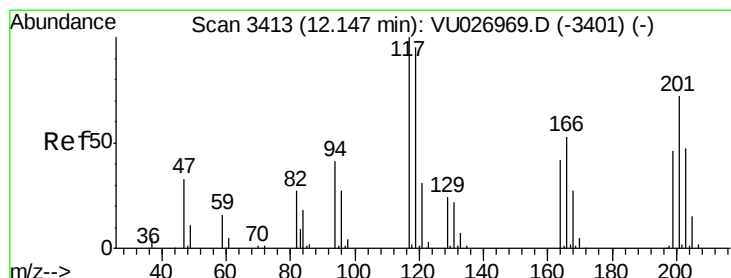
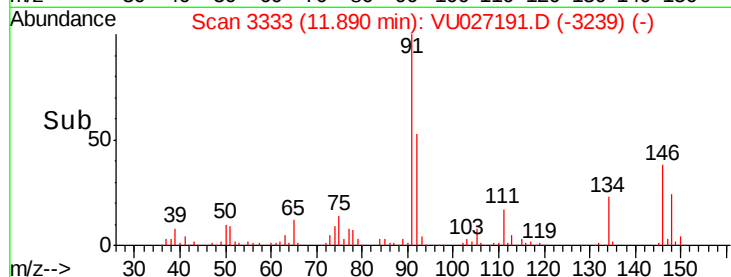
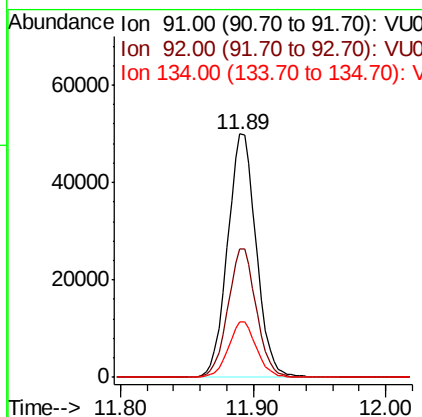
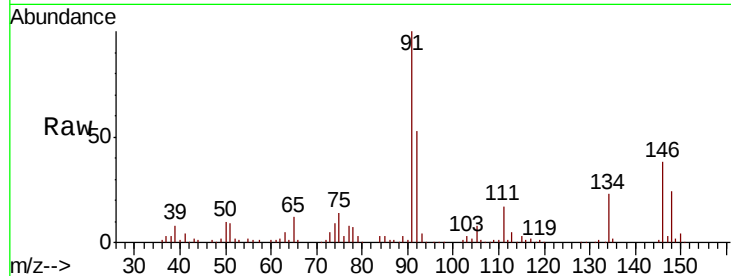
#89
n-Butylbenzene
Concen: 17.900 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.1	81.2
134	22.2	11.7	35.0

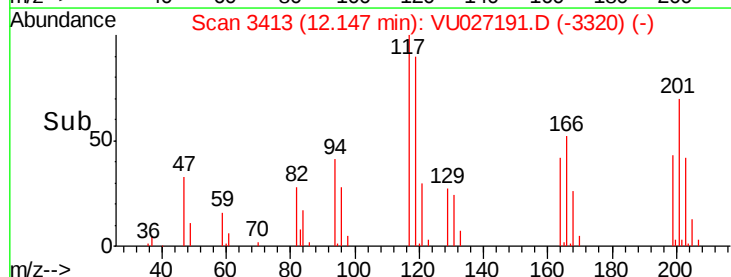
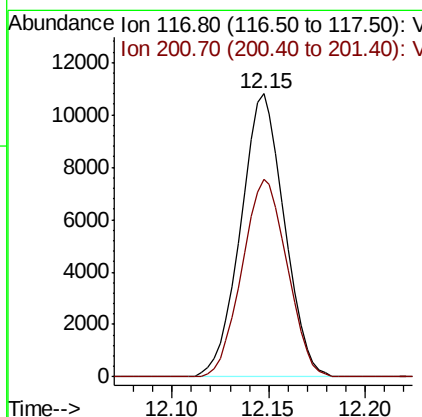
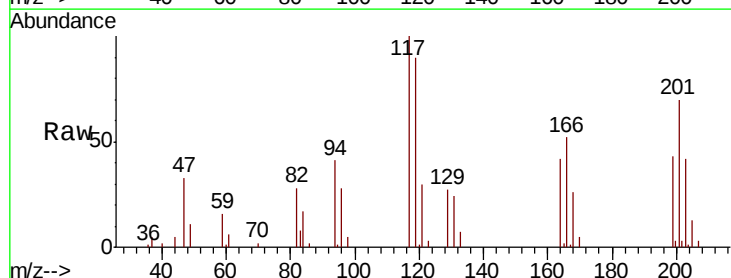
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#90
Hexachloroethane
Concen: 18.448 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	36.8	110.3





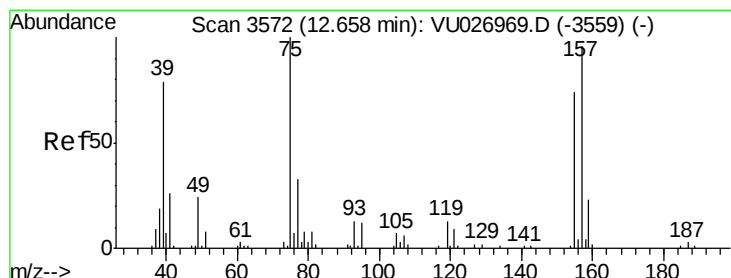
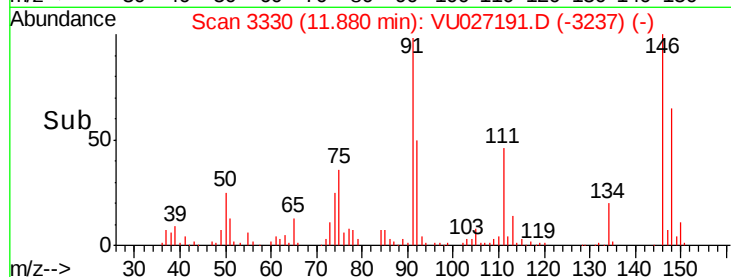
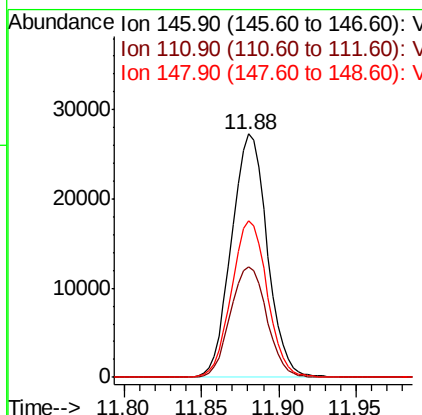
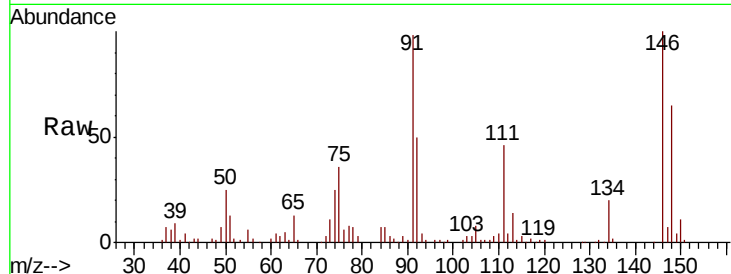
#91
 1,2-Dichlorobenzene
 Concen: 17.861 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.0	21.8	65.3
148	64.1	31.9	95.7

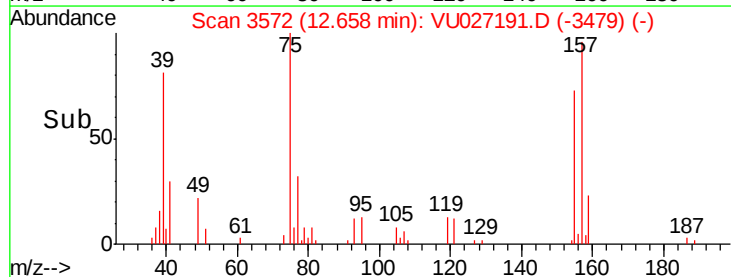
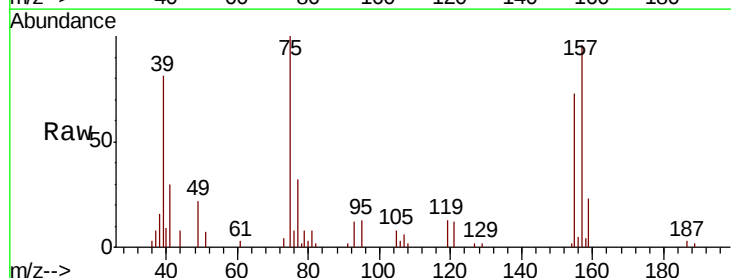
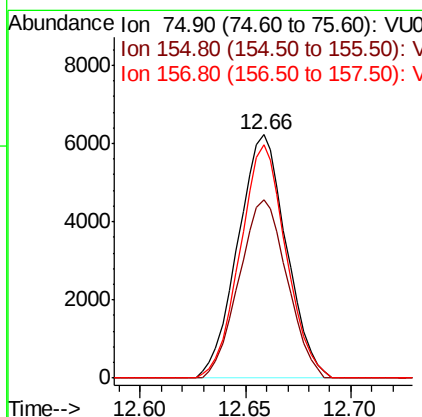
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.855 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	36.6	109.8
157	90.7	47.4	142.2





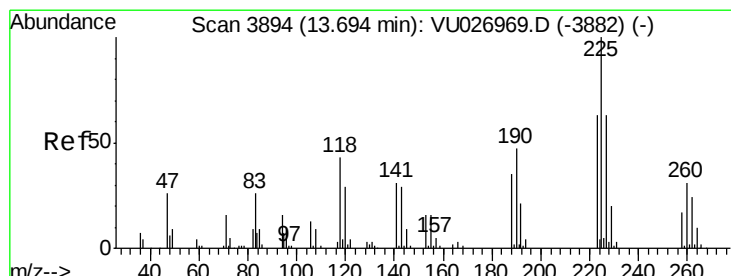
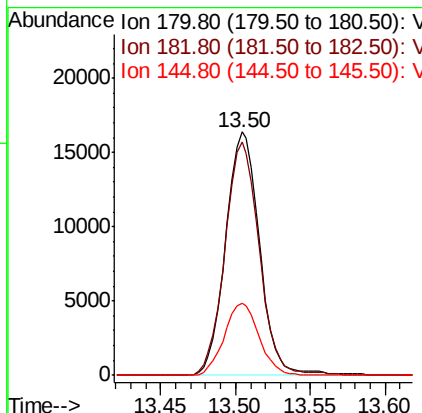
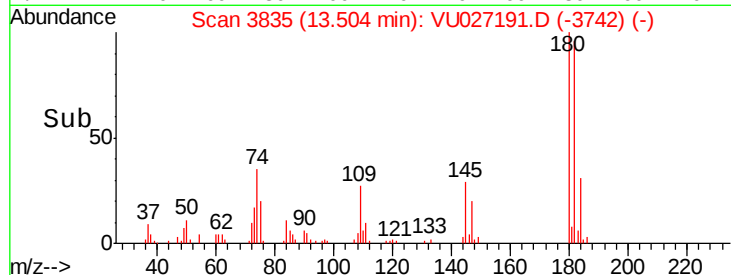
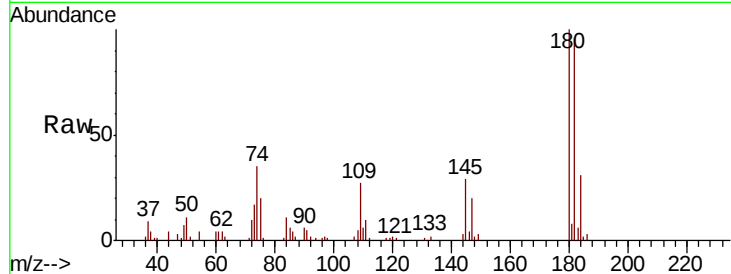
#93
 1,2,4-Trichlorobenzene
 Concen: 18.281 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25856		
182	97.0		47.4	142.2
145	30.1		14.9	44.5

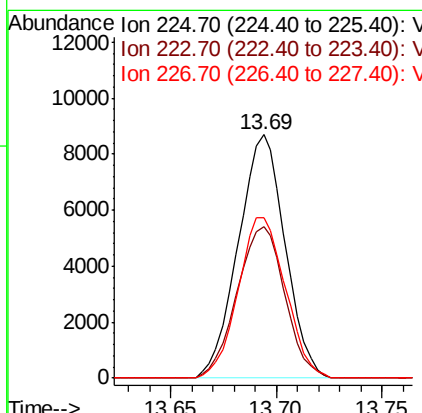
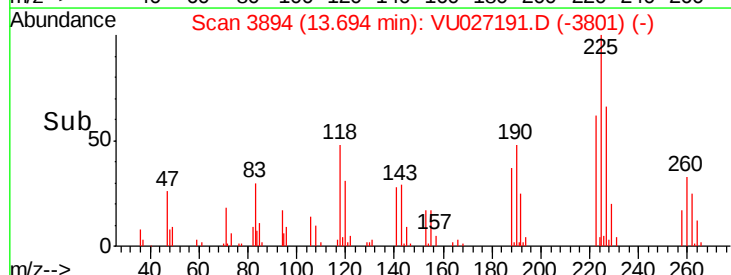
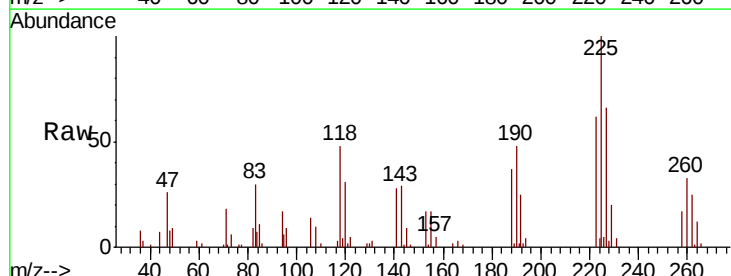
Manual Integrations
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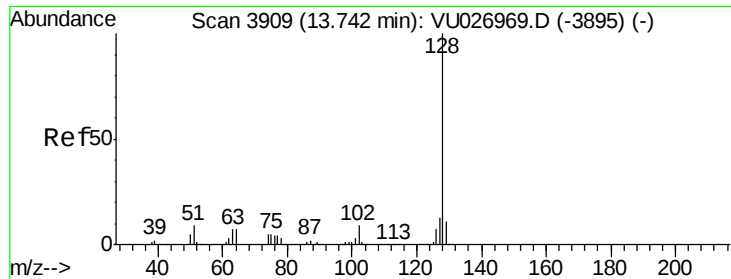
MMDadoda
 9/27/2018 3:33:23 PM



#94
 Hexachlorobutadiene
 Concen: 17.919 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027191.D
 Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13410		
223	63.4		31.9	95.7
227	66.7		32.1	96.5





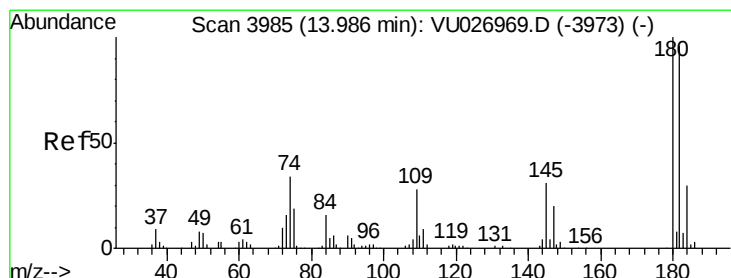
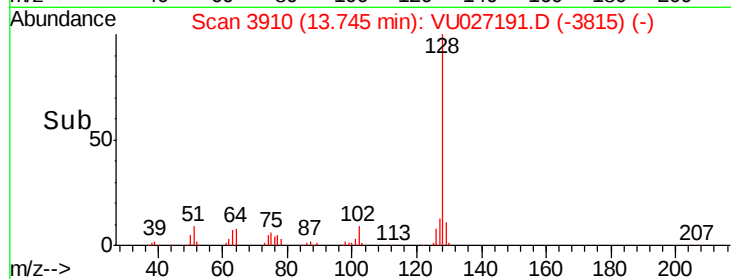
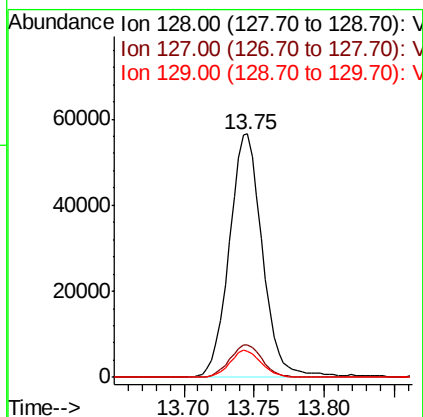
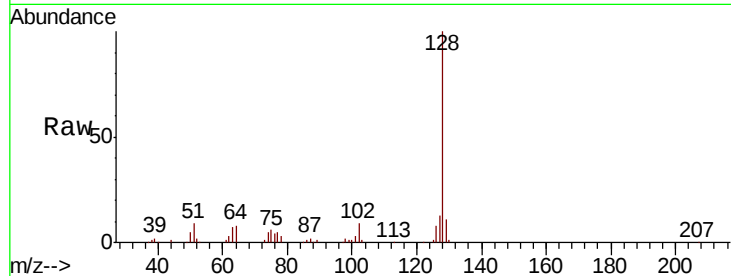
#95
Naphthalene
Concen: 17.895 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.983 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027191.D
Acq: 26 Sep 2018 21:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	31.6	15.4	46.4

