

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027165.D
 Acq On : 26 Sep 2018 10:23
 Operator : MD/SY
 Sample : VU0926WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:18 PM

Quant Time: Sep 27 01:28:44 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	4.98	168	79308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132863	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	127223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	82403	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	4.88	113	58229	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	7.57	98	216747	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	10.31	95	77381	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	17397	16.801	ug/l	97
3) Chloromethane	1.33	50	29724	16.650	ug/l	100
4) Vinyl Chloride	1.40	62	28221	16.935	ug/l	100
5) Bromomethane	1.62	94	14562	15.345	ug/l	96
6) Chloroethane	1.70	64	18364	17.247	ug/l	99
7) Trichlorofluoromethane	1.88	101	33256	17.571	ug/l	98
8) Diethyl Ether	2.10	74	15807	17.351	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	20741	17.822	ug/l	99
10) Methyl Iodide	2.41	142	14609	10.122	ug/l	100
11) Tert butyl alcohol	2.83	59	39214	107.183	ug/l	98
12) 1,1-Dichloroethene	2.28	96	18609	16.989	ug/l	94
13) Acrolein	2.20	56	14656	74.312	ug/l	96
14) Allyl chloride	2.59	41	45476	20.469	ug/l	99
15) Acrylonitrile	2.94	53	93008	100.864	ug/l	99
16) Acetone	2.32	43	99248	107.604	ug/l	98
17) Carbon Disulfide	2.48	76	57788	16.195	ug/l	99
18) Methyl Acetate	2.62	43	50032	22.022	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	82450	20.483	ug/l	98
20) Methylene Chloride	2.70	84	25770	18.027	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	21787	18.630	ug/l	95
22) Diisopropyl ether	3.57	45	103366	21.752	ug/l	98
23) Vinyl Acetate	3.52	43	423757	104.615	ug/l	98
24) 1,1-Dichloroethane	3.45	63	51644	19.733	ug/l	98
25) 2-Butanone	4.26	43	138735	103.423	ug/l	99
26) 2,2-Dichloropropane	4.23	77	41418	20.292	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	25377	19.214	ug/l	94
28) Bromochloromethane	4.55	49	27851	22.076	ug/l	94
29) Tetrahydrofuran	4.64	42	86771	106.930	ug/l	95
30) Chloroform	4.67	83	46502	19.142	ug/l	100
31) Cyclohexane	5.00	56	45058	18.578	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	38545	19.872	ug/l	98
36) 1,1-Dichloropropene	5.14	75	33449	18.864	ug/l	97
37) Ethyl Acetate	4.38	43	47404	19.748	ug/l	99
38) Carbon Tetrachloride	5.13	117	31878	18.891	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	36363	18.870	ug/l	99
40) Benzene	5.39	78	101395	18.810	ug/l	100
41) Methacrylonitrile	4.54	41	27702	22.221	ug/l	96
42) 1,2-Dichloroethane	5.40	62	40429	19.851	ug/l	99
43) Isopropyl Acetate	5.55	43	74904	21.396	ug/l	97
44) Trichloroethene	6.19	130	21735	18.940	ug/l	99
45) 1,2-Dichloropropane	6.43	63	30958	20.156	ug/l	97
46) Dibromomethane	6.56	93	17352	18.706	ug/l	98
47) Bromodichloromethane	6.76	83	35400	18.873	ug/l	99
48) Methyl methacrylate	6.62	41	37003	20.039	ug/l	95
49) 1,4-Dioxane	6.61	88	14522	382.702	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	251226	106.701	ug/l	99
52) Toluene	7.64	92	59305	19.193	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	40632	20.162	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	43462	19.614	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	25871	19.760	ug/l	99
56) Ethyl methacrylate	8.02	69	40235	19.128	ug/l	97
57) 1,3-Dichloropropane	8.24	76	47339	19.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	118956	95.337	ug/l	99
59) 2-Hexanone	8.36	43	193215	104.835	ug/l	97
60) Dibromochloromethane	8.48	129	25415	19.790	ug/l	99
61) 1,2-Dibromoethane	8.59	107	25674	18.847	ug/l	99
64) Tetrachloroethene	8.23	164	17988	18.349	ug/l	98
65) Chlorobenzene	9.12	112	61378	18.195	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	22529	19.390	ug/l	100
67) Ethyl Benzene	9.25	91	108280	19.520	ug/l	99
68) m/p-Xylenes	9.38	106	80393	36.750	ug/l	97
69) o-Xylene	9.78	106	39373	20.033	ug/l	100
70) Styrene	9.79	104	63138	18.392	ug/l	98
71) Bromoform	9.96	173	17096	19.027	ug/l #	98
73) Isopropylbenzene	10.17	105	106279	20.921	ug/l	99
74) N-amyl acetate	10.02	43	61696	20.981	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	44336	18.982	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42258m	20.829	ug/l	
77) Bromobenzene	10.45	156	24243	19.528	ug/l	95
78) n-propylbenzene	10.59	91	124327	20.683	ug/l	100
79) 2-Chlorotoluene	10.66	91	77466	20.517	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	86803	20.699	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	11741m	18.519	ug/l	
82) 4-Chlorotoluene	10.77	91	85814	20.270	ug/l	99
83) tert-Butylbenzene	11.10	119	85044	20.513	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	89452	20.960	ug/l	98
85) sec-Butylbenzene	11.32	105	105677	20.881	ug/l	99
86) p-Isopropyltoluene	11.48	119	89961	19.520	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	44895	19.434	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	45226	17.963	ug/l	98
89) n-Butylbenzene	11.89	91	76555	18.227	ug/l	99
90) Hexachloroethane	12.15	117	17130	18.613	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	45483	18.535	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9939	20.859	ug/l	89

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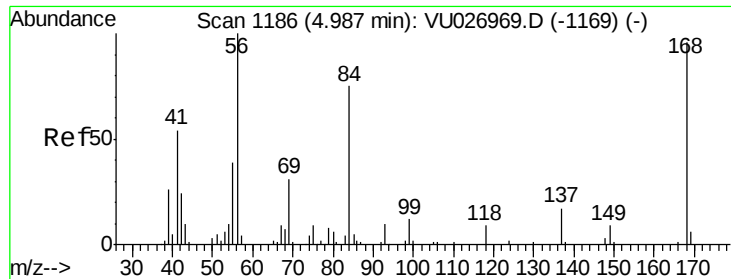
Manual Integrations
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9/27/2018 3:33:18 PM

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	26201	18.528	ug/l	98
94) Hexachlorobutadiene	13.69	225	14671	19.608	ug/l	100
95) Naphthalene	13.75	128	90414	17.489	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	28307	18.666	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion:168 Resp: 79308

Ion Ratio Lower Upper

168 100

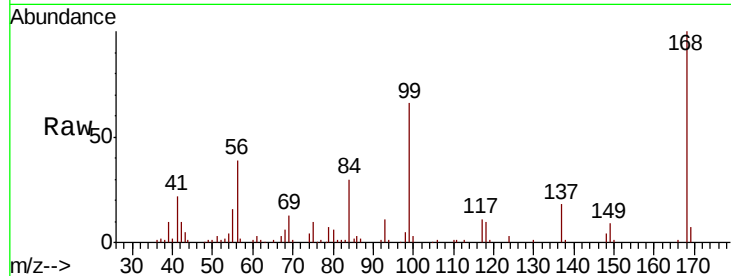
99 64.7 48.1 72.1

Manual Integrations

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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) (-)

4.98

40000

30000

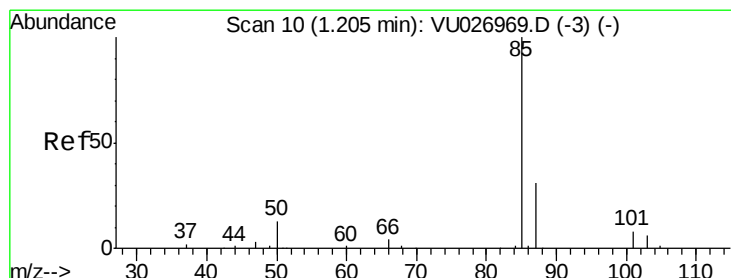
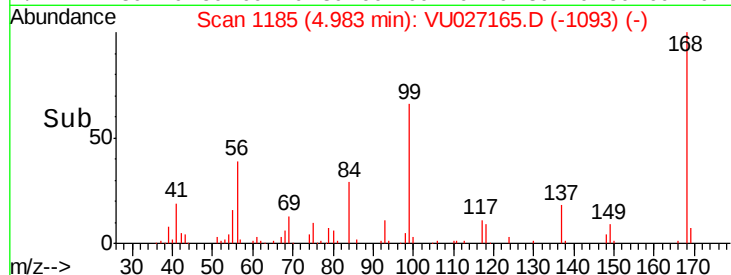
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.801 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027165.D

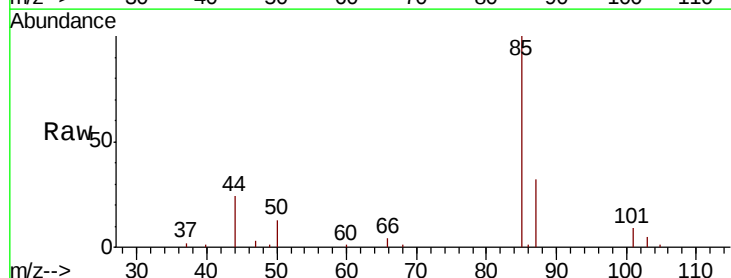
Acq: 26 Sep 2018 10:23

Tgt Ion: 85 Resp: 17397

Ion Ratio Lower Upper

85 100

87 32.5 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

20000

15000

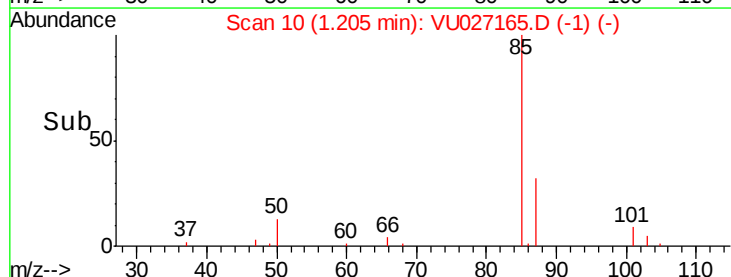
10000

5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.650 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 50 Resp: 29724

Ion Ratio Lower Upper

50 100

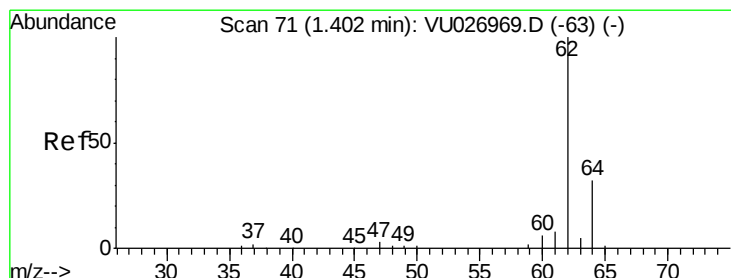
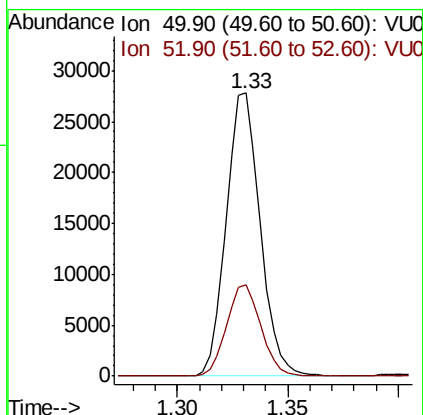
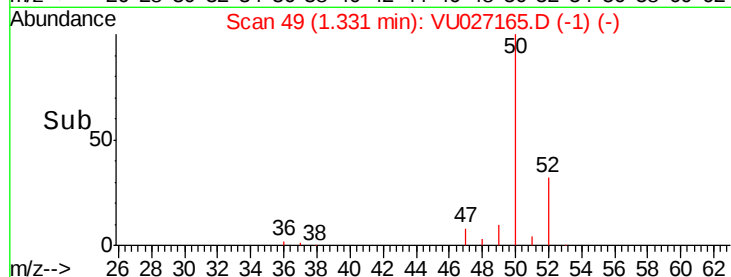
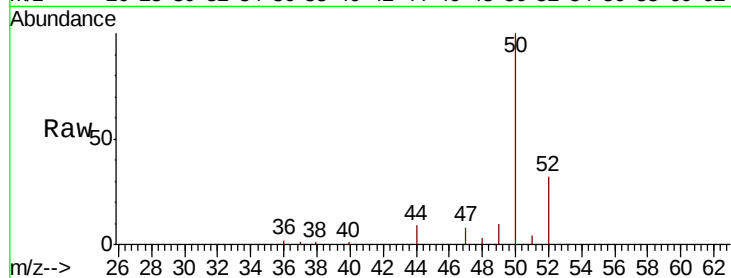
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.935 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027165.D

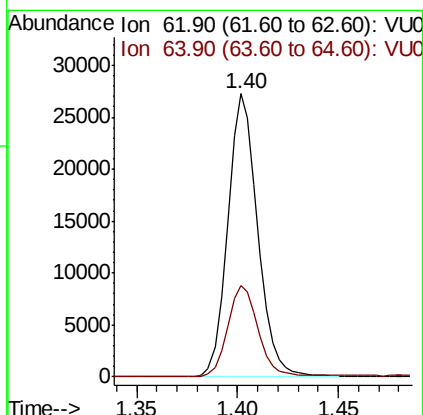
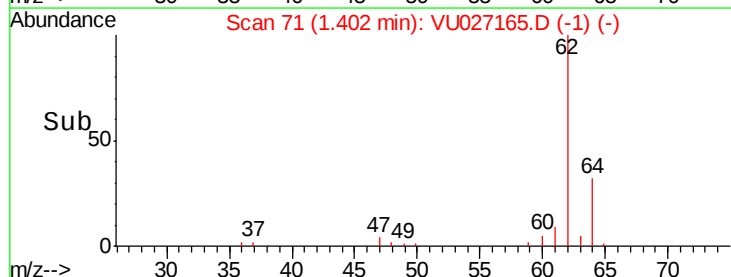
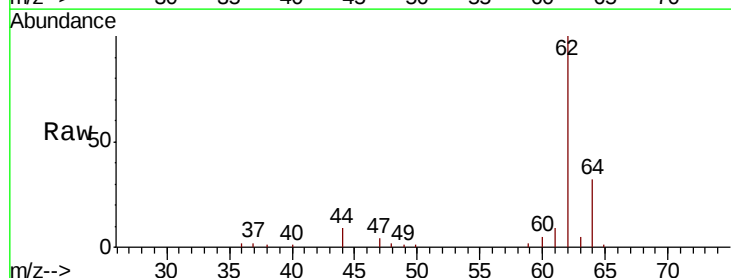
Acq: 26 Sep 2018 10:23

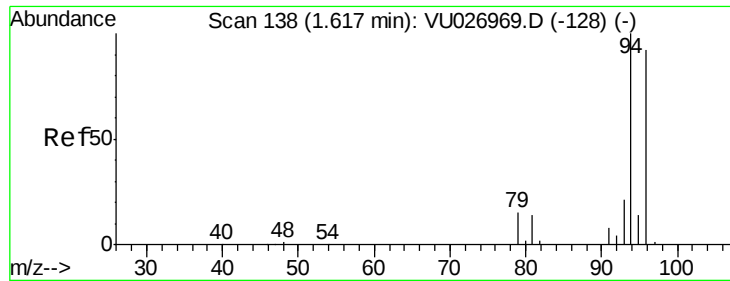
Tgt Ion: 62 Resp: 28221

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 15.345 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 94 Resp: 14562

Ion Ratio Lower Upper

94 100

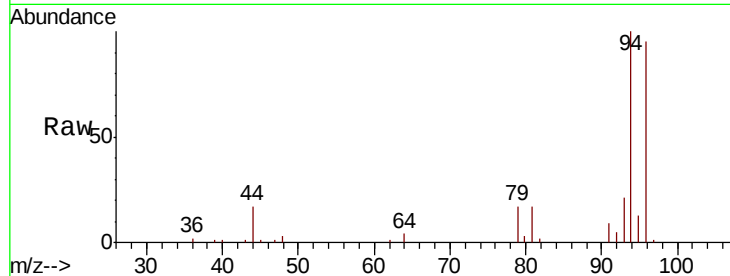
96 94.9 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

12000

10000

8000

6000

4000

2000

0

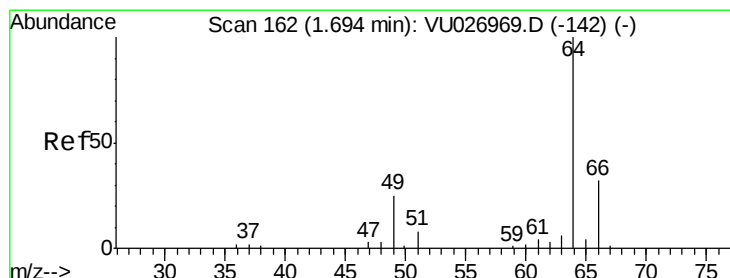
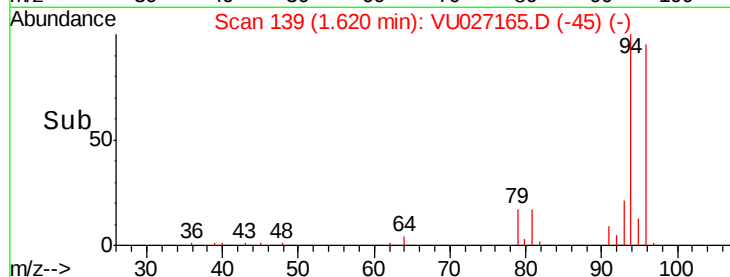
1.60

1.62

1.65

1.70

Time-->



#6

Chloroethane

Concen: 17.247 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027165.D

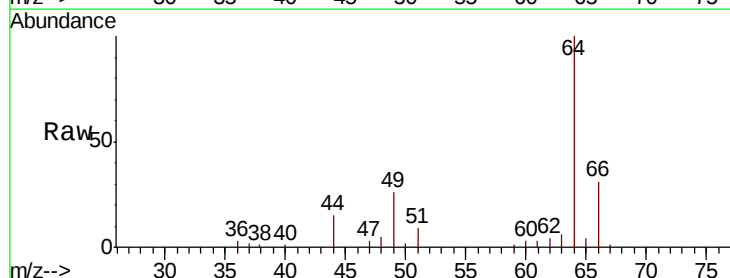
Acq: 26 Sep 2018 10:23

Tgt Ion: 64 Resp: 18364

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

15000

10000

5000

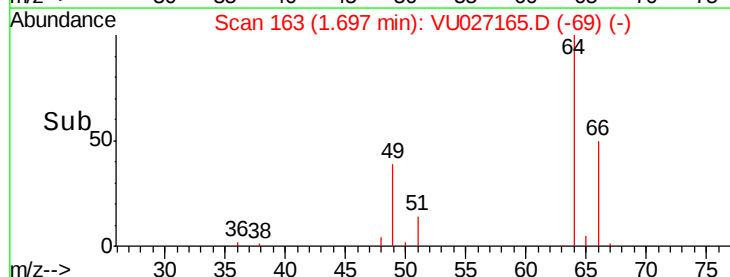
0

1.65

1.70

1.75

Time-->





#7

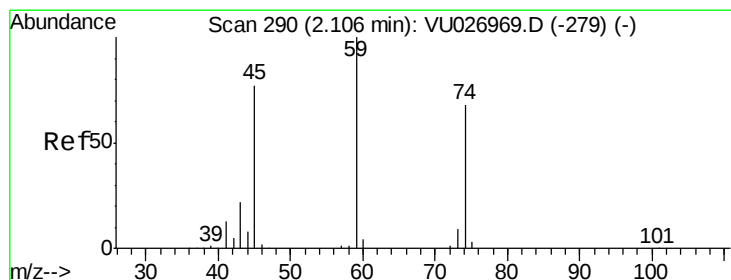
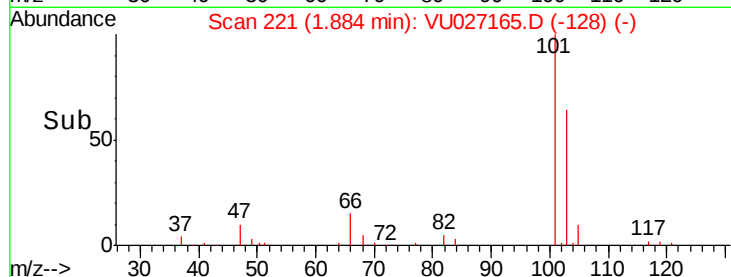
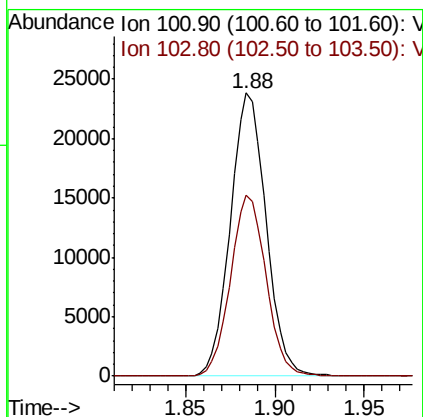
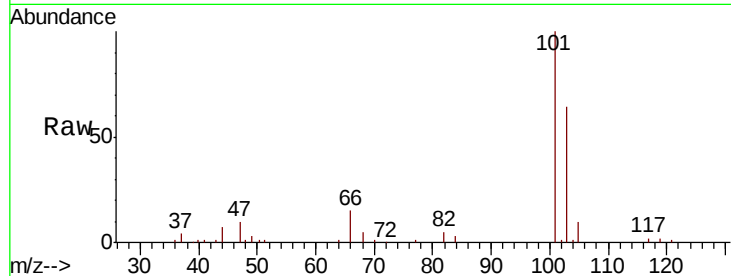
Trichlorofluoromethane
 Concen: 17.571 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027165.D
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 VU0926WBS02

Tot Ion:101 Resp: 33256
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.2 78.2

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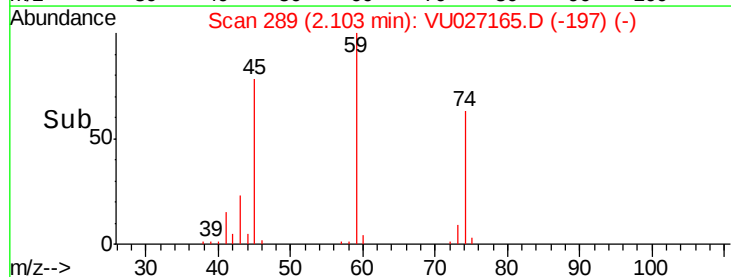
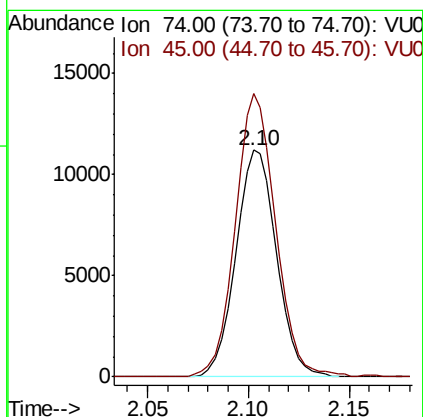
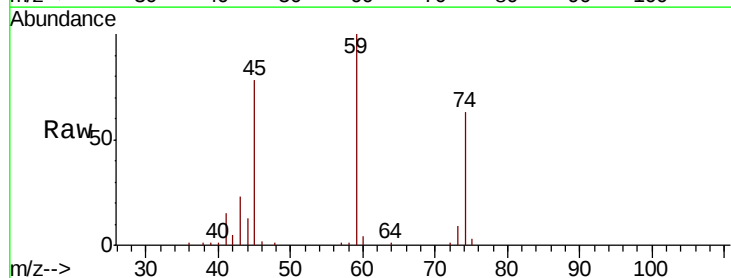
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#8

Diethyl Ether
 Concen: 17.351 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion: 74 Resp: 15807
 Ion Ratio Lower Upper
 74 100
 45 123.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.822 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

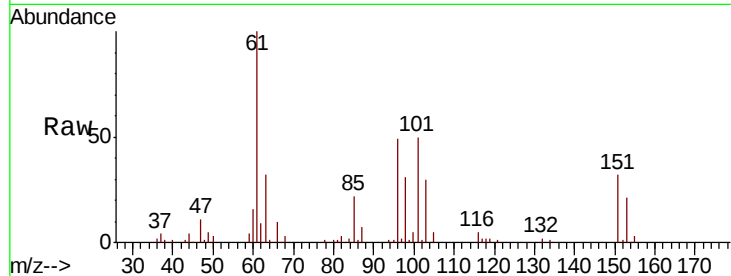
ClientSampleId :

VU0926WBS02

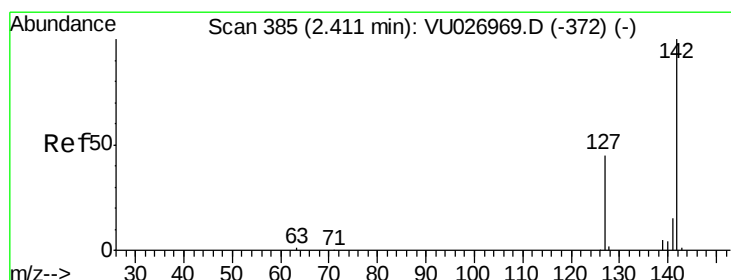
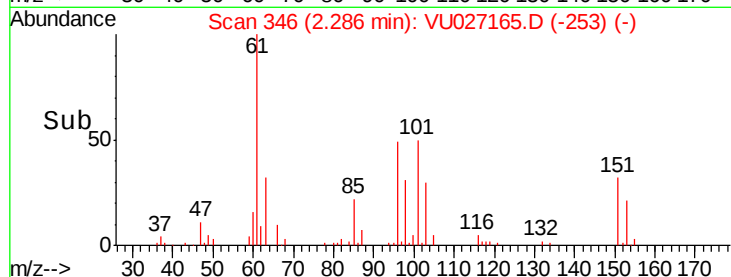
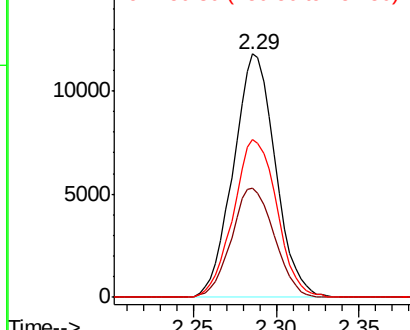
Tot Ion:	101	Resp:	20741
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.2
151	67.3	54.5	81.7

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



#10

Methyl Iodide

Concen: 10.122 ug/l

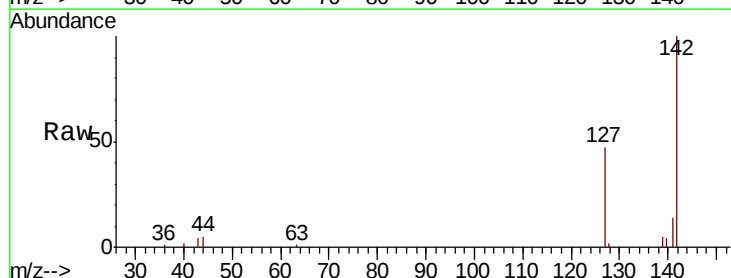
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

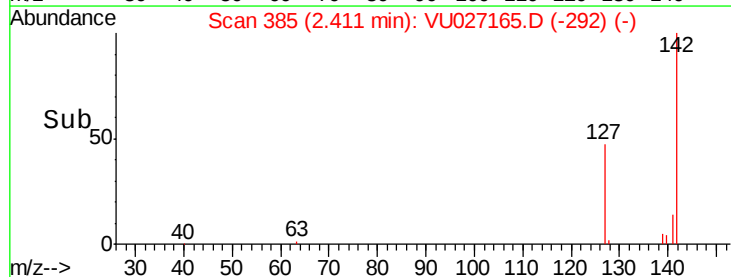
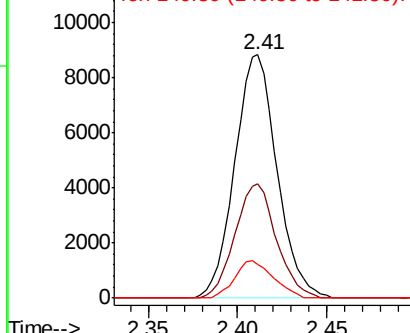
Lab File: VU027165.D

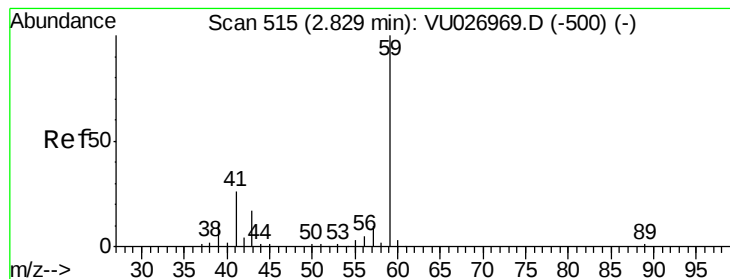
Acq: 26 Sep 2018 10:23

Tgt Ion:	142	Resp:	14609
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.1	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

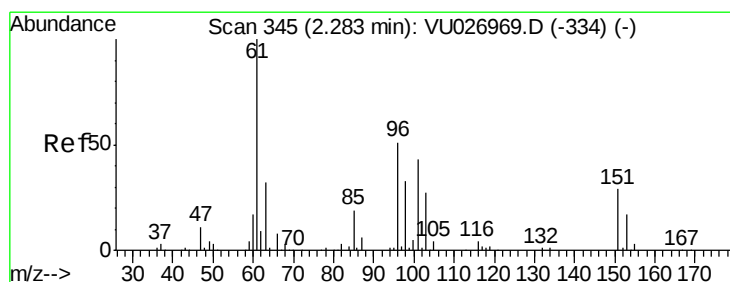
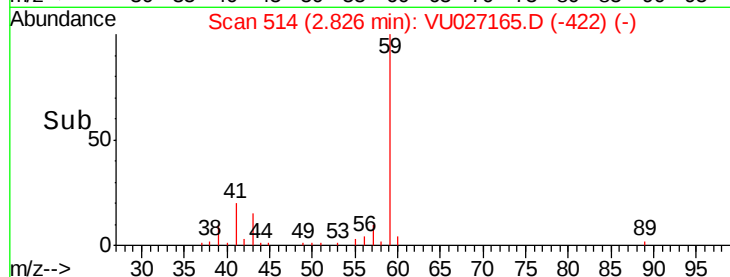
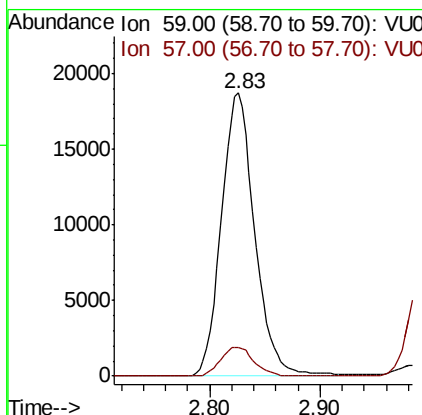
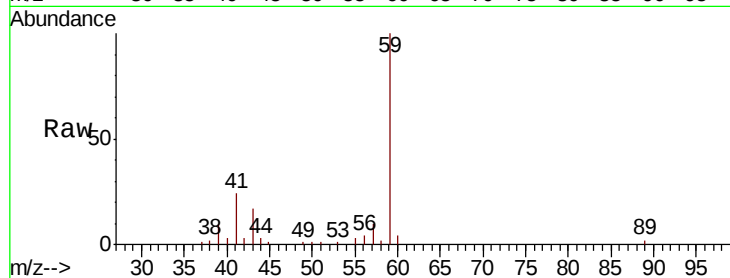
Tert butyl alcohol
 Concen: 107.183 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
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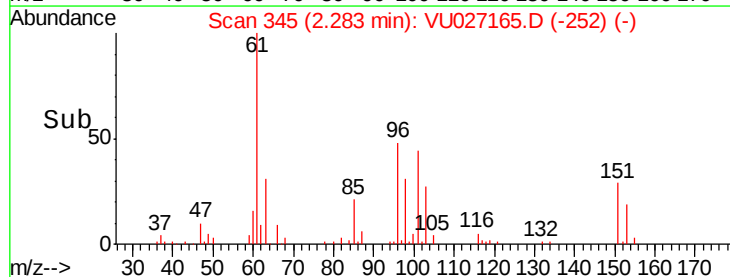
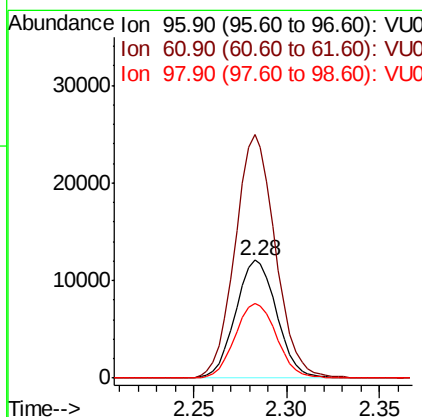
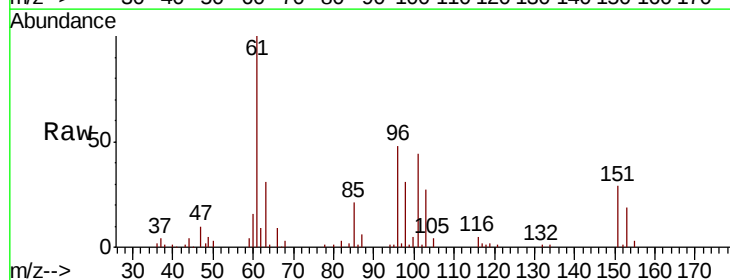
MMDadoda
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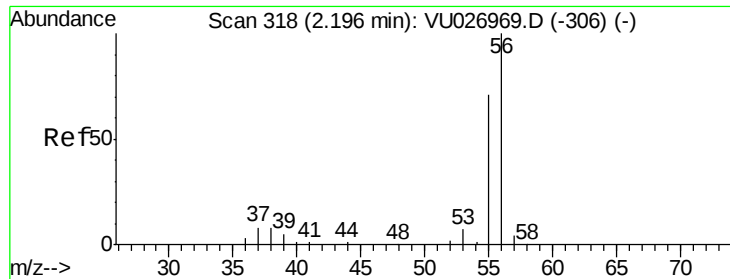


#12

1,1-Dichloroethene
 Concen: 16.989 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	206.6	156.1	234.1
98	63.8	51.4	77.0





#13

Acrolein

Concen: 74.312 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 56 Resp: 14656

Ion Ratio Lower Upper

56 100

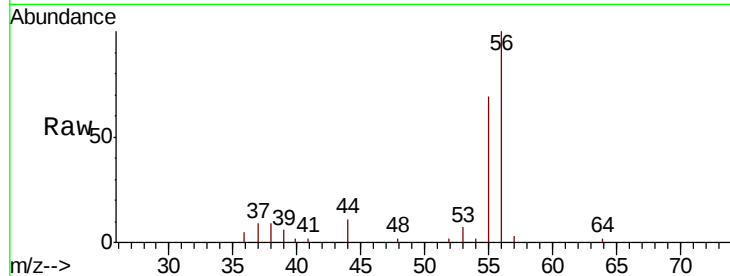
55 67.9 57.1 85.7

Manual Integrations

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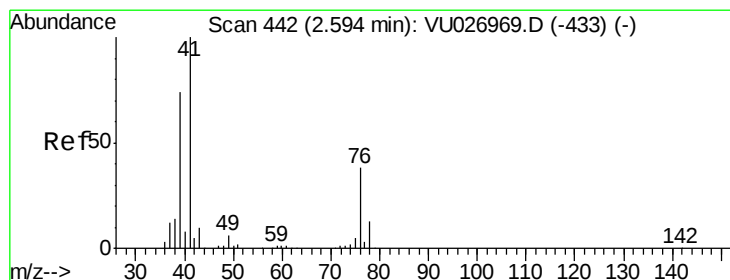
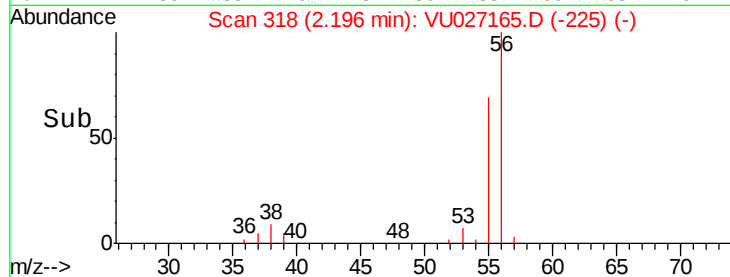
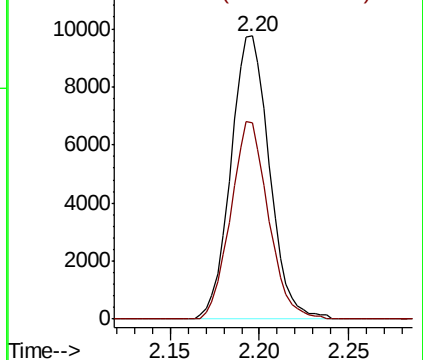
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 20.469 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

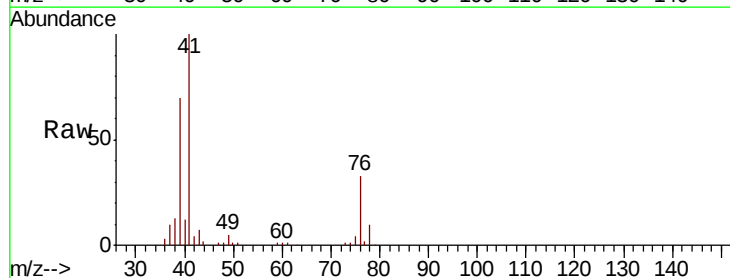
Tgt Ion: 41 Resp: 45476

Ion Ratio Lower Upper

41 100

39 69.6 55.7 83.5

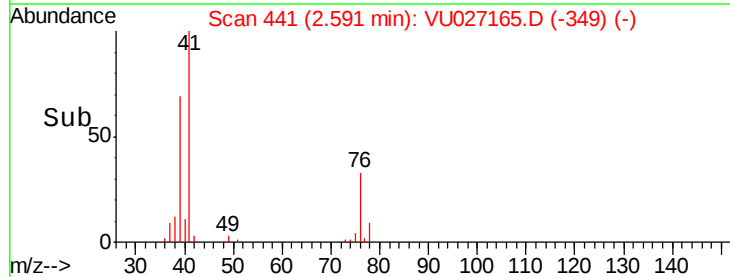
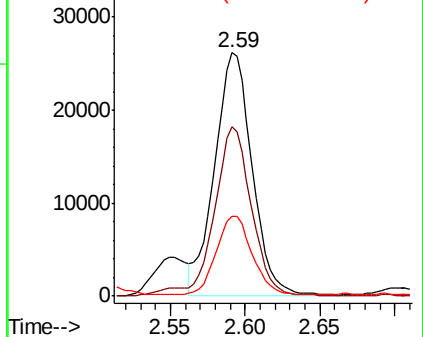
76 31.2 26.5 39.7

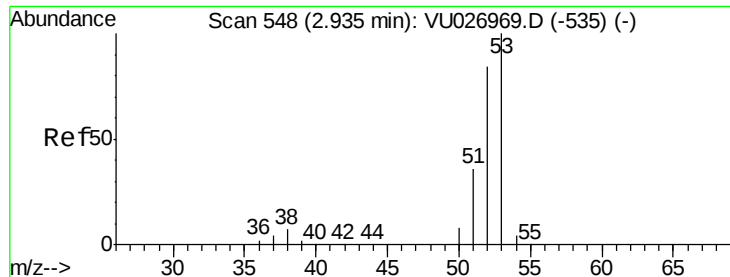


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 100.864 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

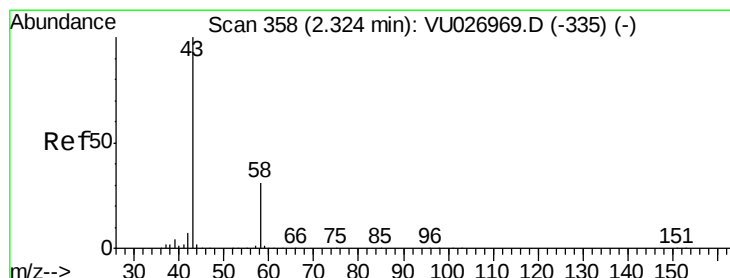
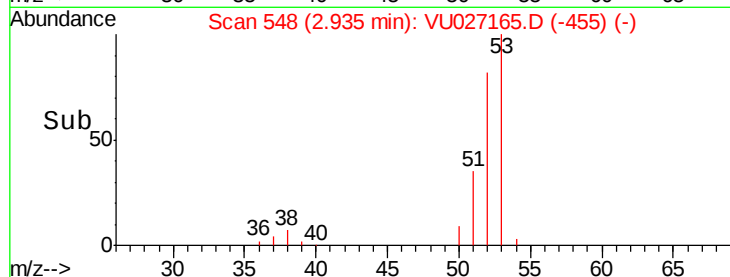
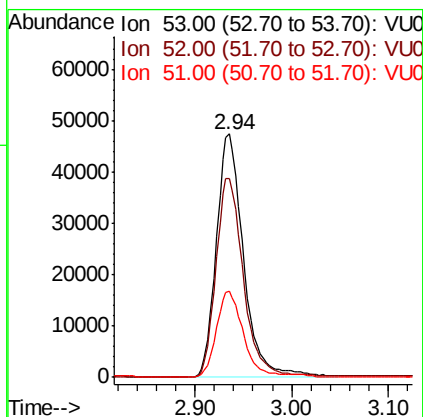
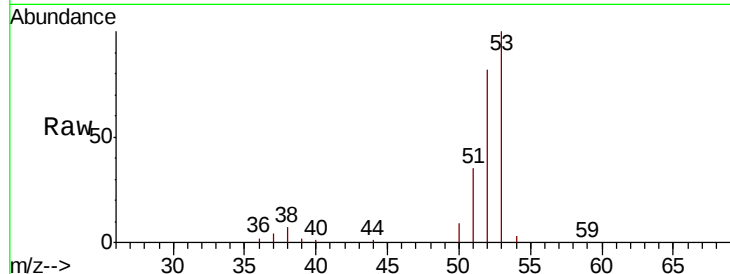
ClientSampleId :

VU0926WBS02

Tot Ion:	53	Resp:	93008
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	36.1	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 107.604 ug/l

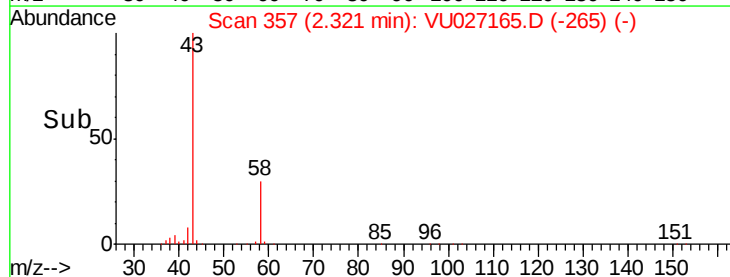
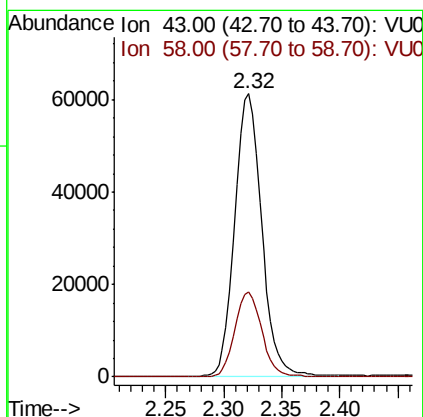
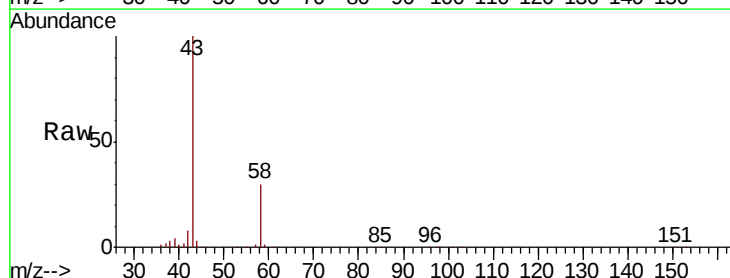
RT: 2.32 min Scan# 357

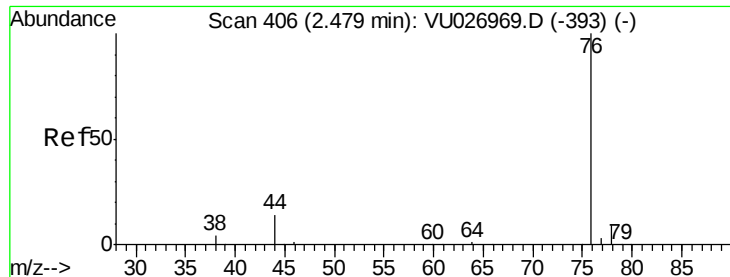
Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Tgt Ion:	43	Resp:	99248
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8





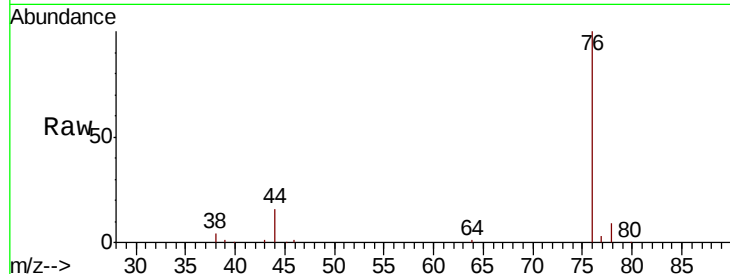
#17
Carbon Disulfide
Concen: 16.195 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

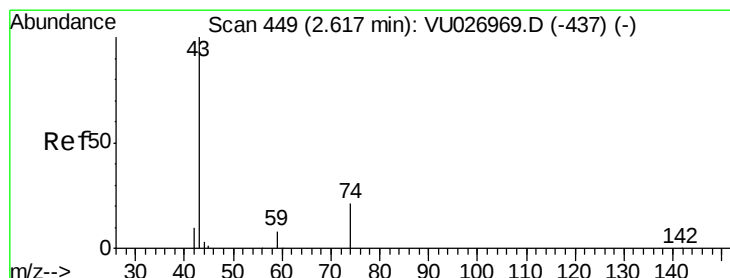
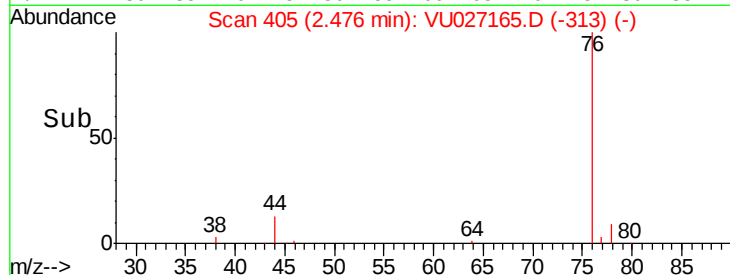
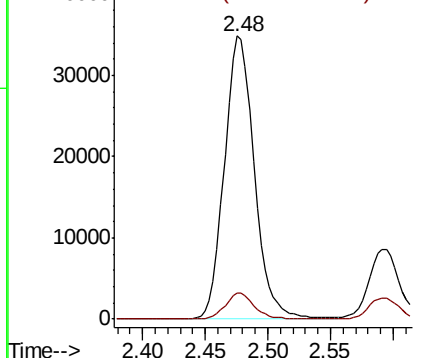
Tot Ion: 76 Resp: 57788
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

Manual Integrations
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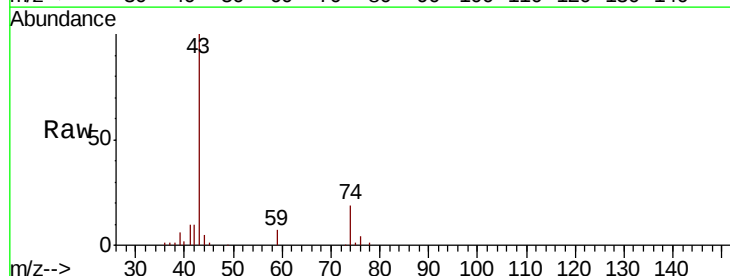


Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0

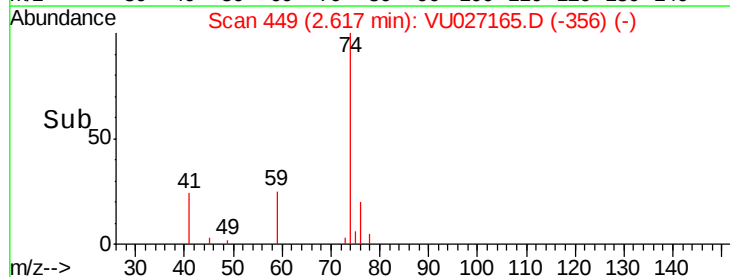
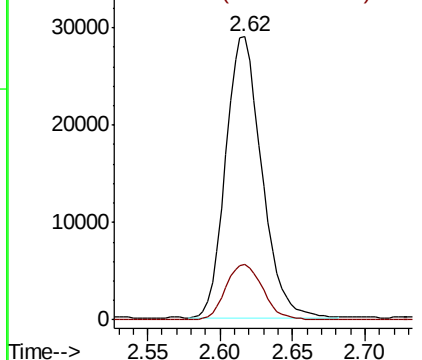


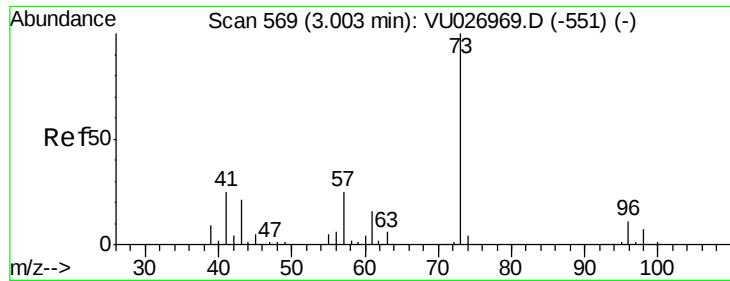
#18
Methyl Acetate
Concen: 22.022 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion: 43 Resp: 50032
Ion Ratio Lower Upper
43 100
74 20.3 16.6 25.0



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





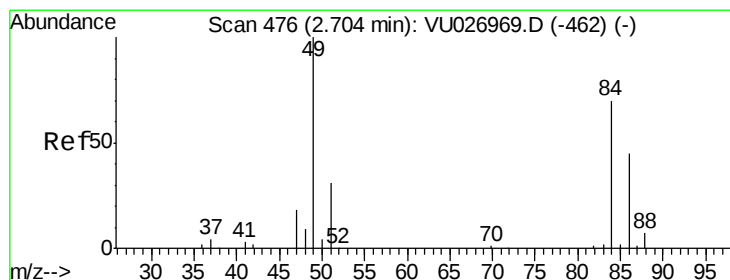
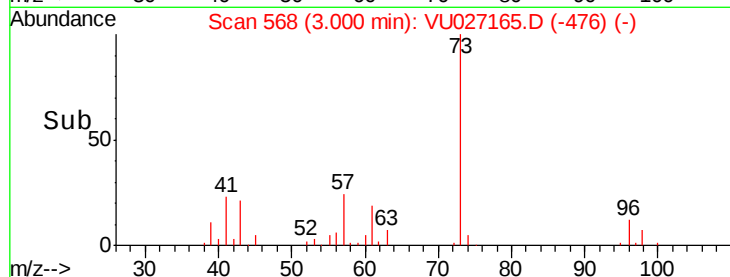
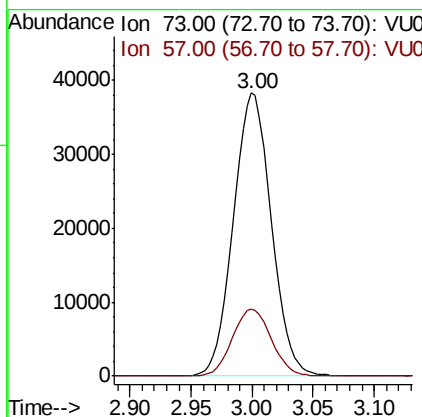
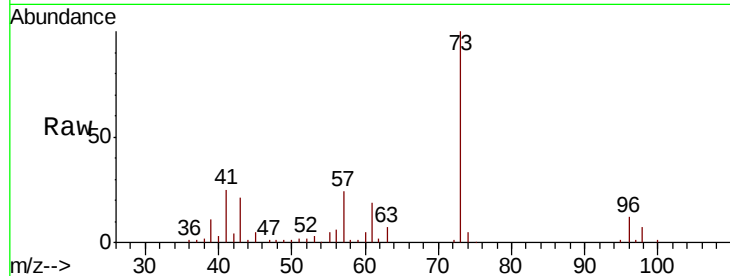
#19
Methvl tert-butvl Ether
Concen: 20.483 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion: 73 Resp: 82450
Ion Ratio Lower Upper
73 100
57 23.9 19.8 29.6

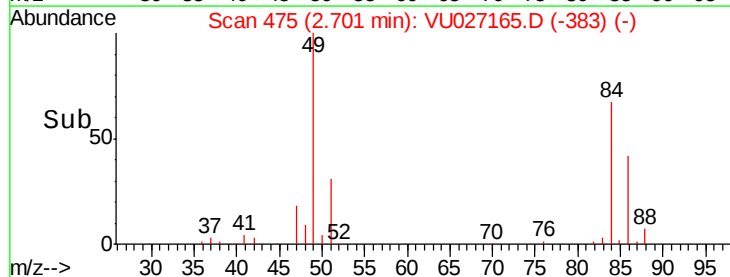
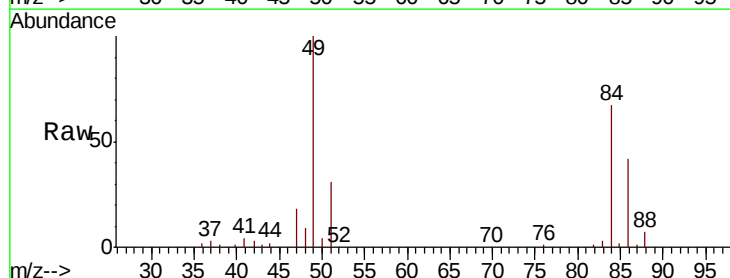
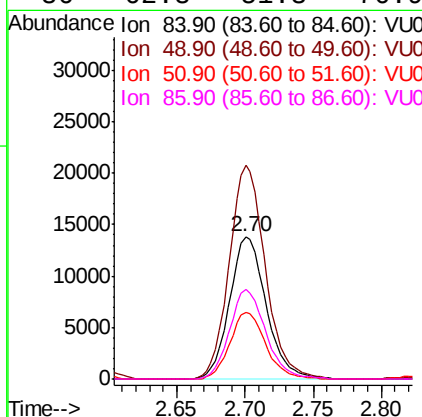
Manual Integrations
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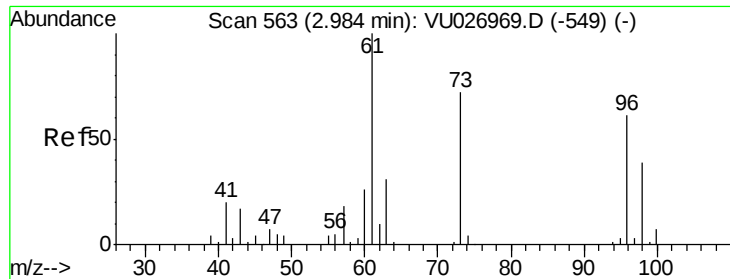
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#20
Methylene Chloride
Concen: 18.027 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion: 84 Resp: 25770
Ion Ratio Lower Upper
84 100
49 149.9 114.9 172.3
51 47.0 35.8 53.8
86 62.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.630 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 96 Resp: 21787

Ion Ratio Lower Upper

96 100

61 156.6 131.8 197.6

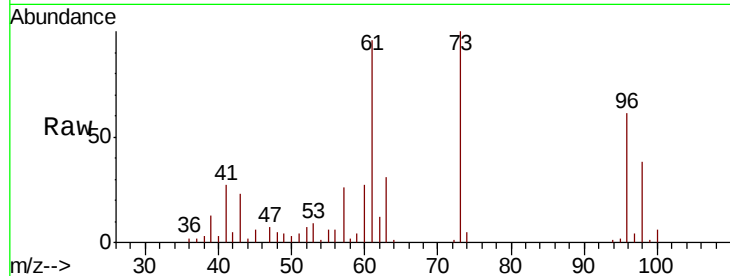
98 62.1 50.9 76.3

Manual Integrations

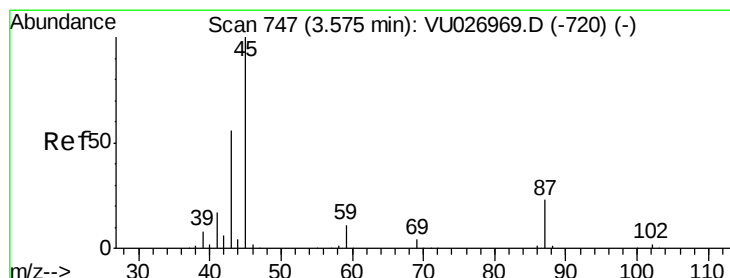
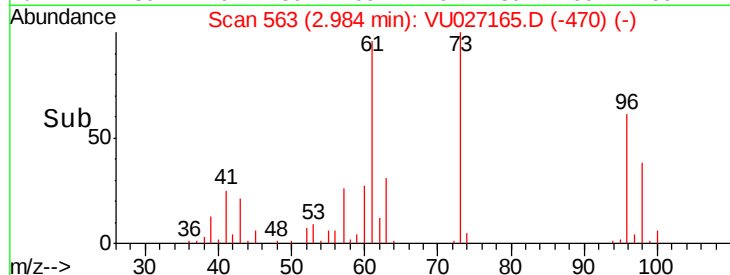
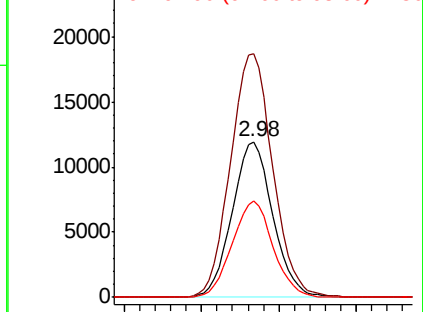
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 21.752 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Tgt Ion: 45 Resp: 103366

Ion Ratio Lower Upper

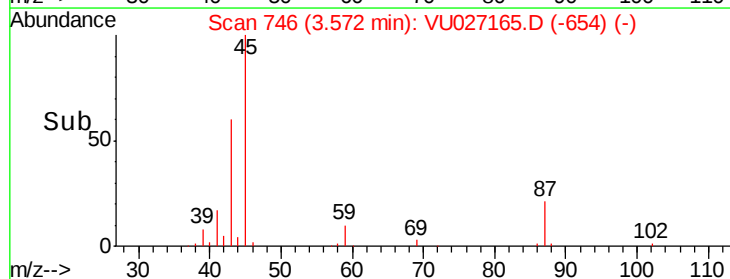
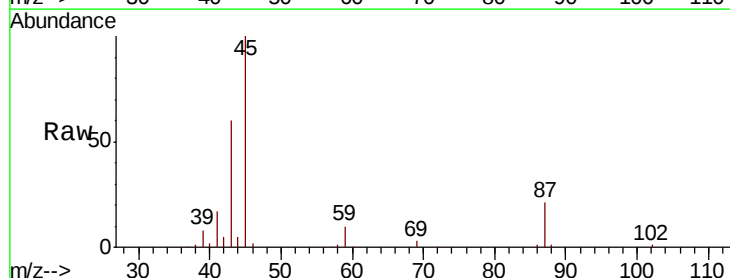
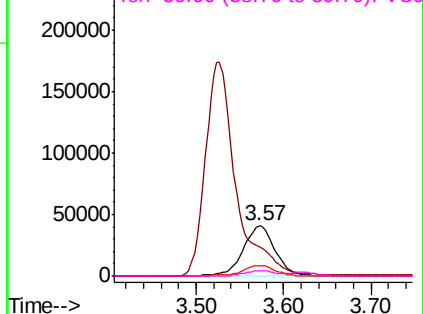
45 100

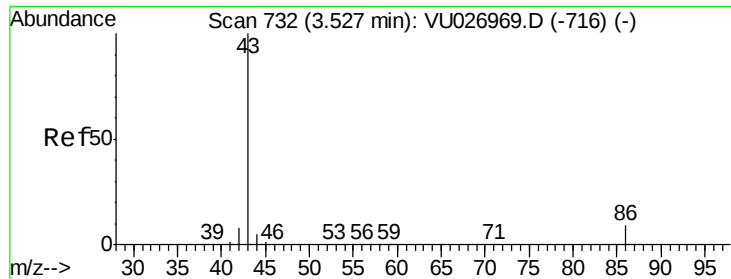
43 57.3 45.8 68.6

87 21.0 18.6 28.0

59 10.3 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: 104.615 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 43 Resp: 423757

Ion Ratio Lower Upper

43 100

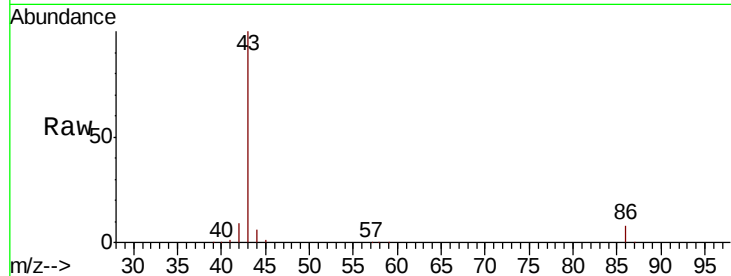
86 8.2 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027165.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027165.D (-639) (-)

200000

150000

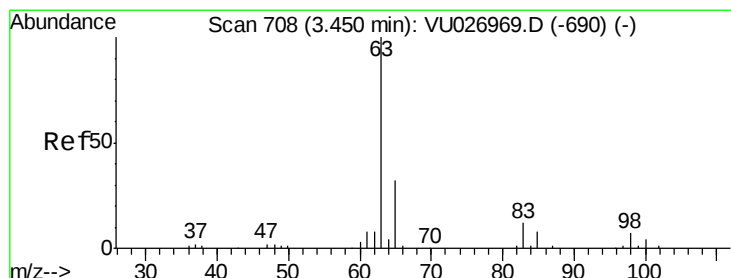
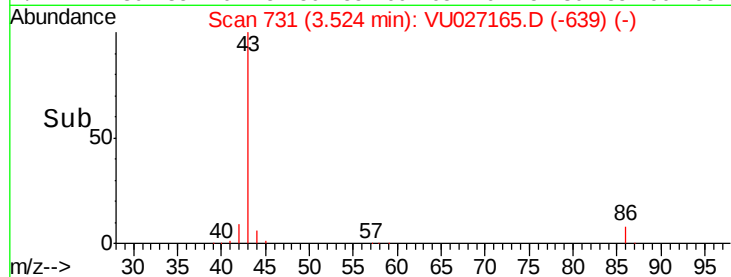
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.733 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

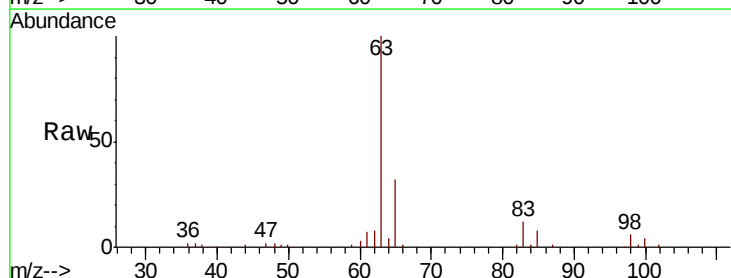
Tgt Ion: 63 Resp: 51644

Ion Ratio Lower Upper

63 100

98 5.5 3.3 9.8

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027165.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027165.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027165.D (-615) (-)

30000

25000

20000

15000

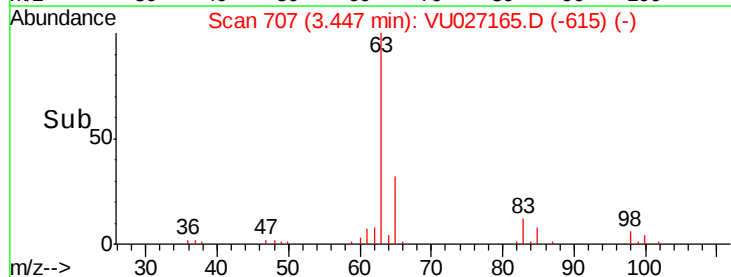
10000

5000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 103.423 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 43 Resp: 138735

Ion Ratio Lower Upper

43 100

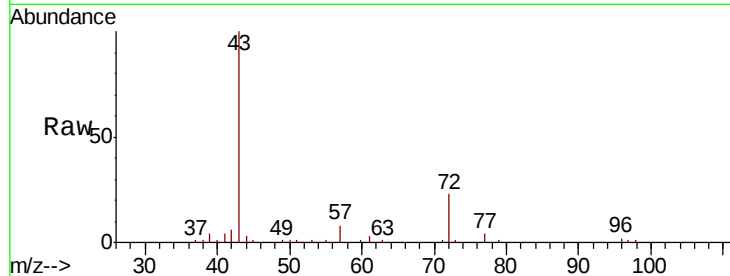
72 22.6 18.4 27.6

Manual Integrations

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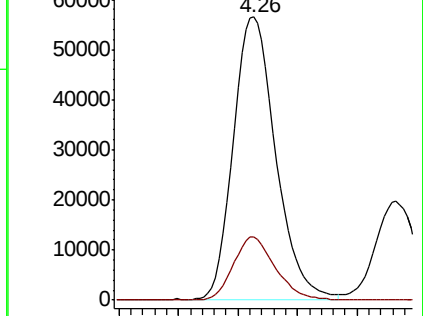
MMDadoda

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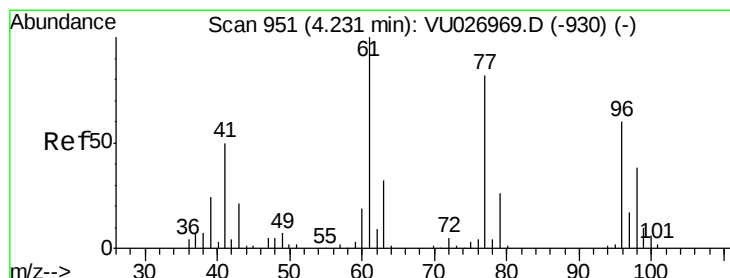
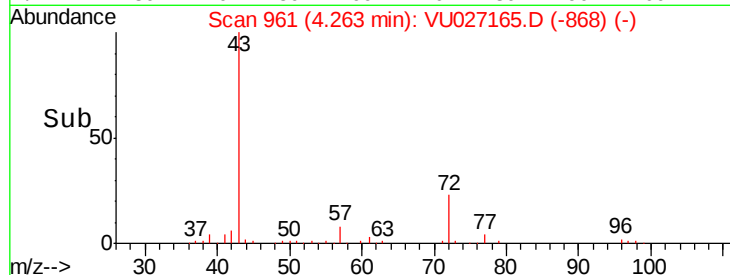


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 20.292 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027165.D

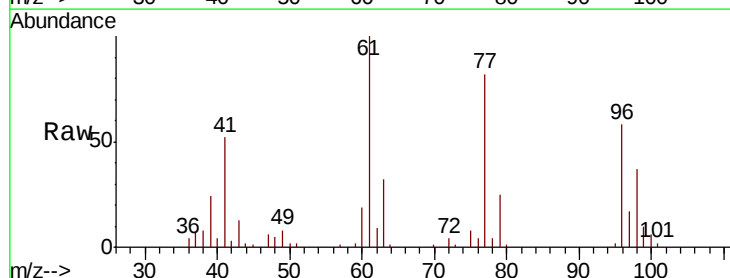
Acq: 26 Sep 2018 10:23

Tgt Ion: 77 Resp: 41418

Ion Ratio Lower Upper

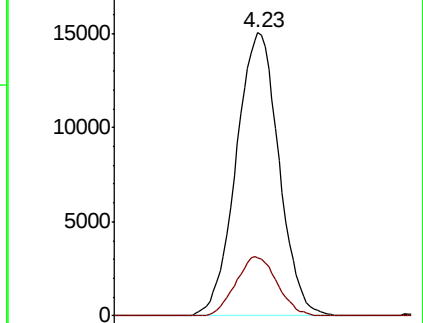
77 100

97 20.2 10.5 31.5

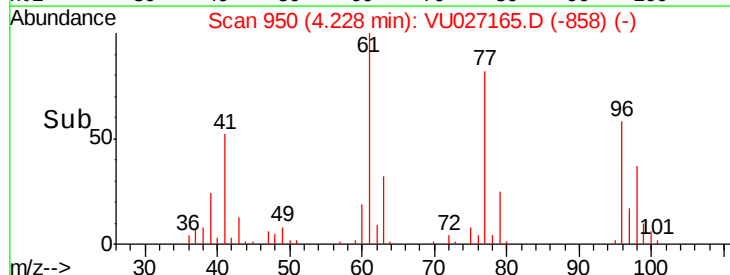


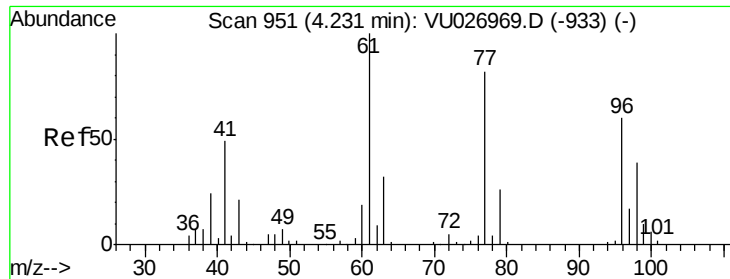
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





#27

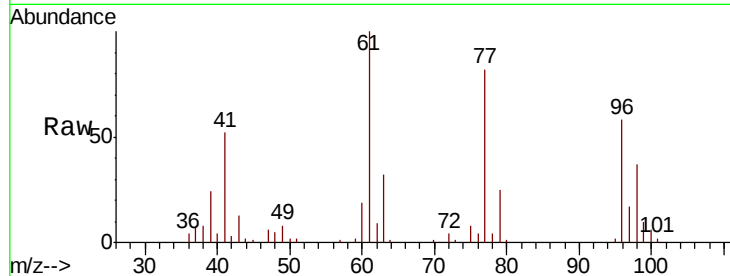
cis-1,2-Dichloroethene
Concen: 19.214 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.4	0.0	337.2
98	64.8	0.0	127.6

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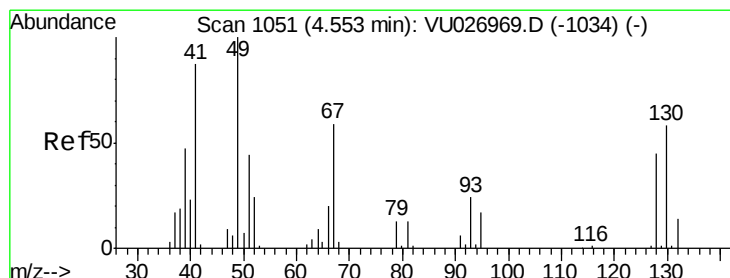
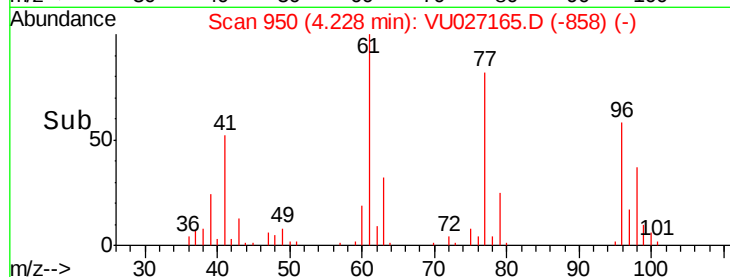
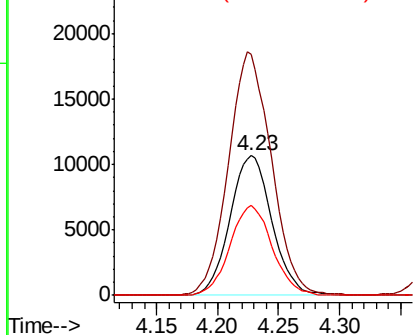


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

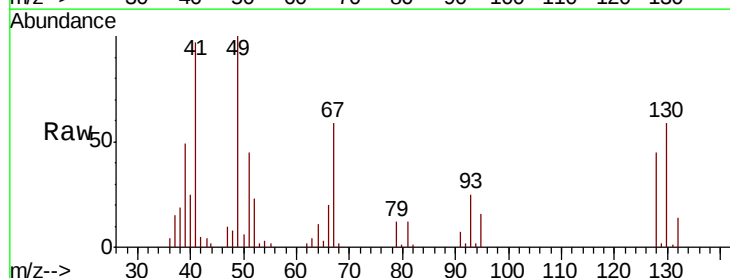
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 22.076 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	55.3	47.8	71.8

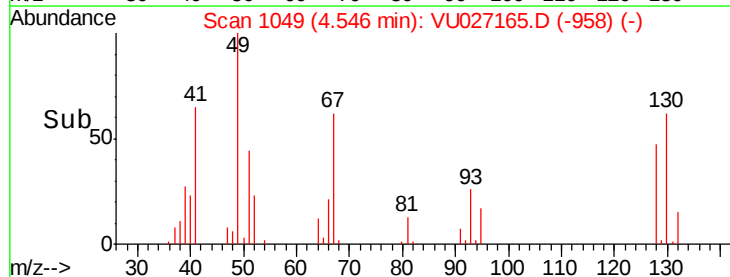
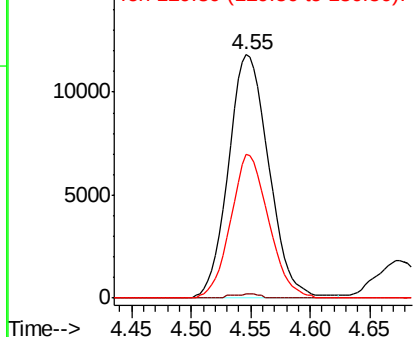


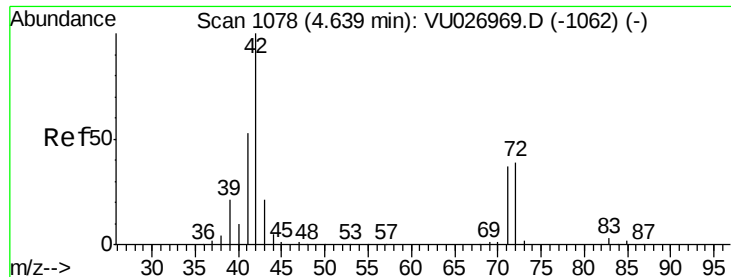
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





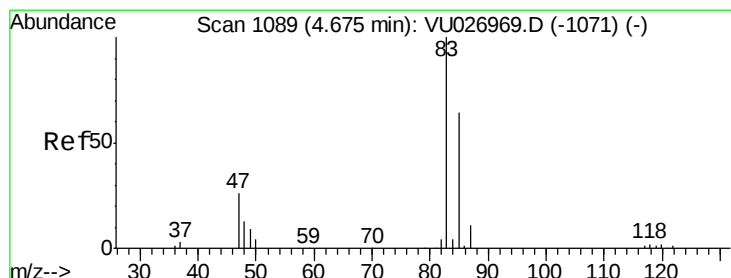
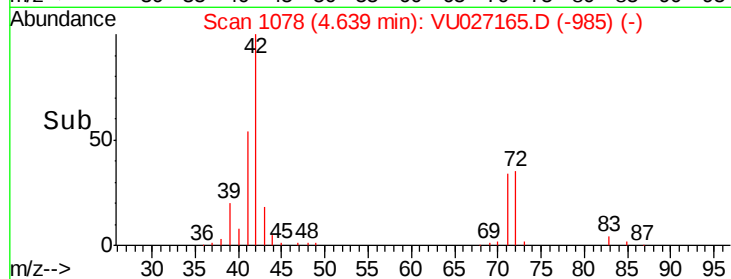
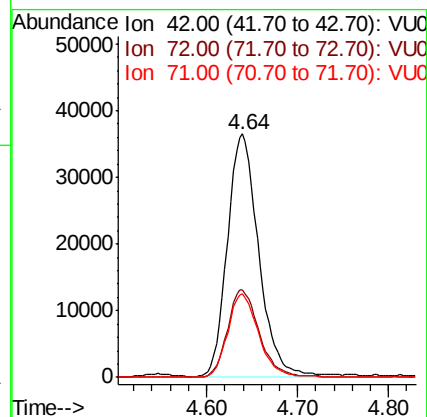
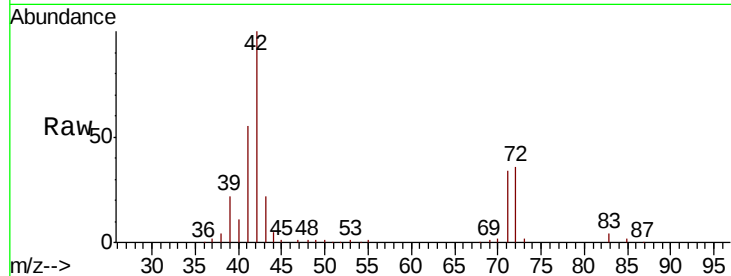
#29
Tetrahydrofuran
Concen: 106.930 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	31.7	47.5
71	34.2	29.6	44.4

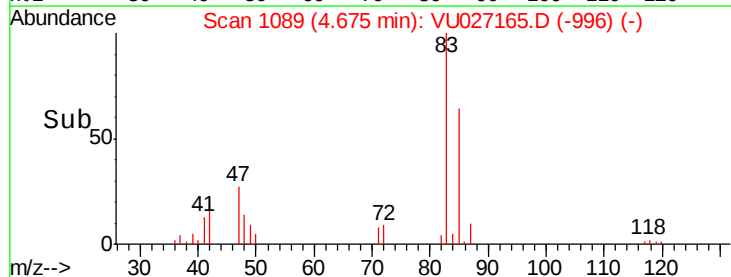
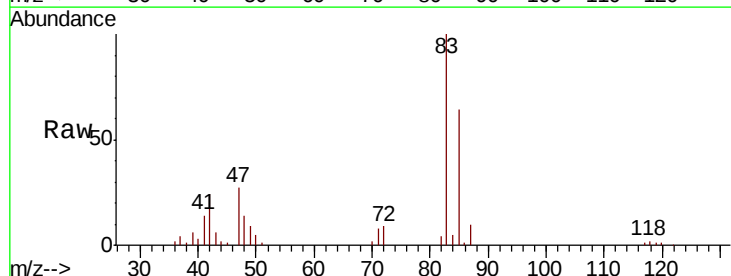
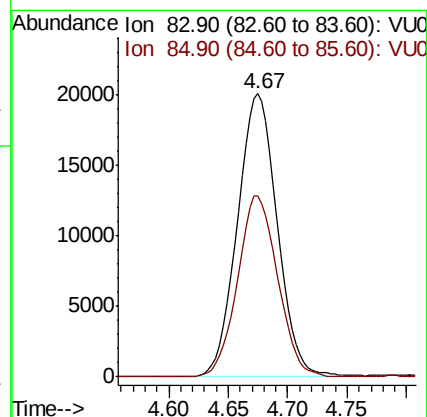
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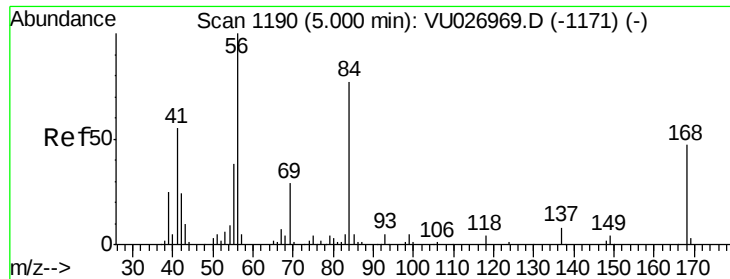
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#30
Chloroform
Concen: 19.142 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





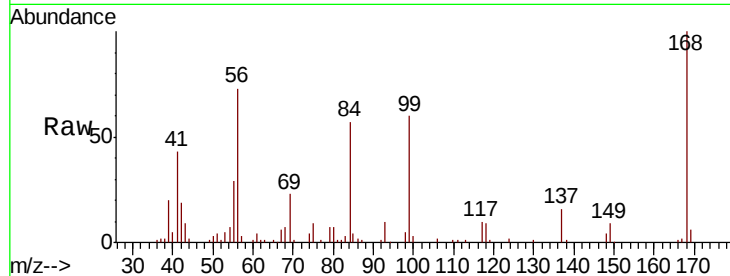
#31
Cyclohexane
Concen: 18.578 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

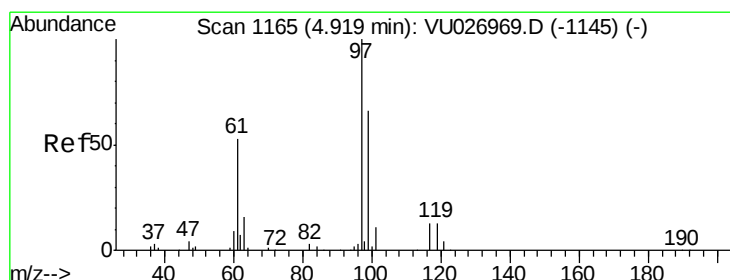
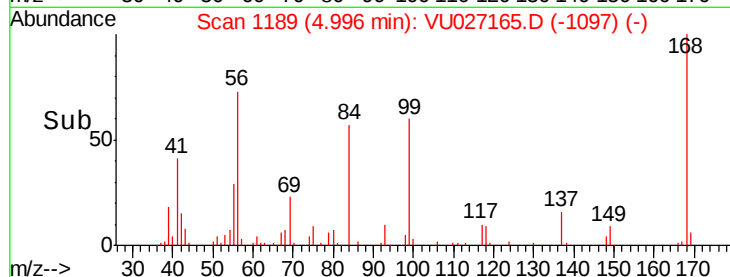
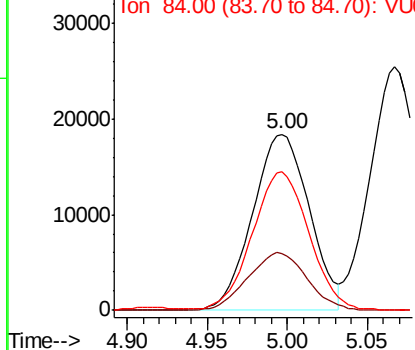
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.0	34.4
84	78.1	61.4	92.2

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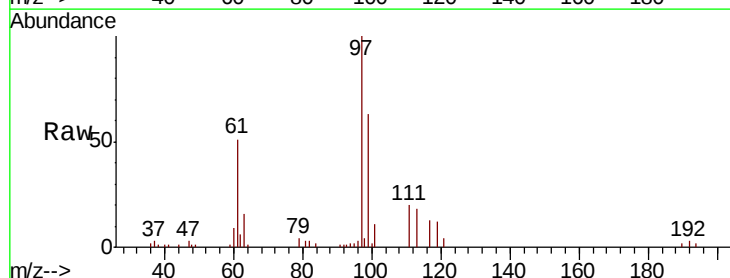


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

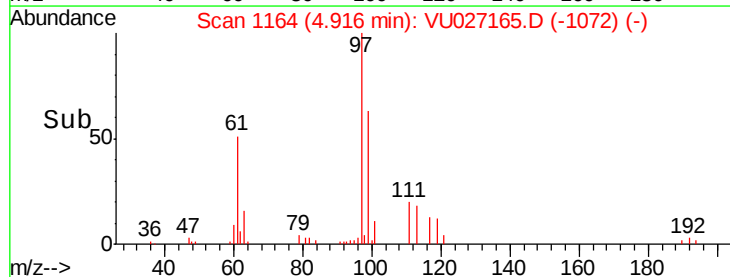
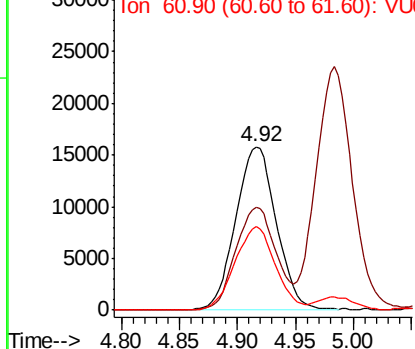


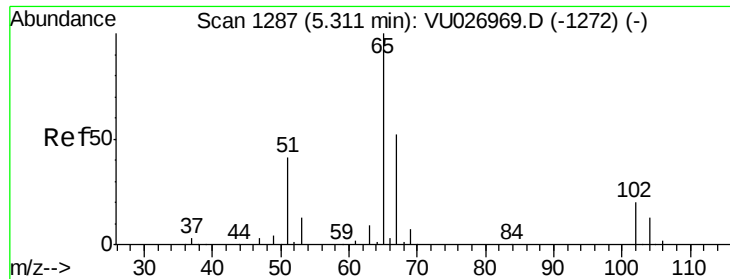
#32
1,1,1-Trichloroethane
Concen: 19.872 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	51.1	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





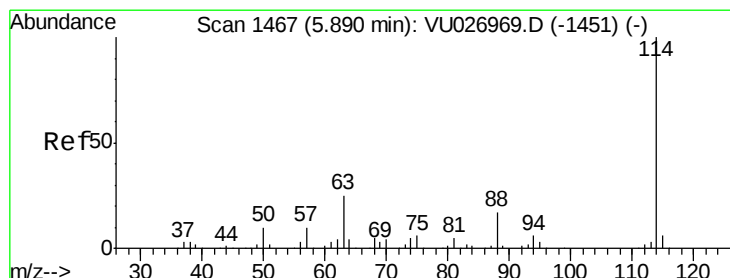
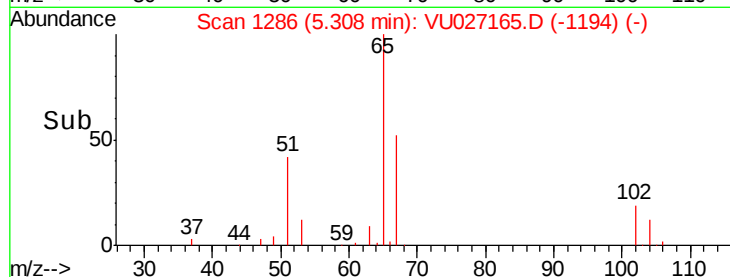
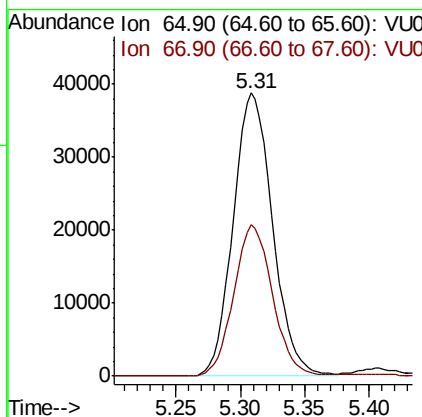
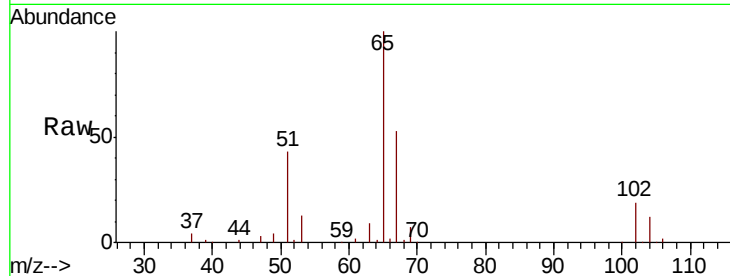
#33
 1,2-Dichloroethane-d4
 Concen: 51.624 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.6

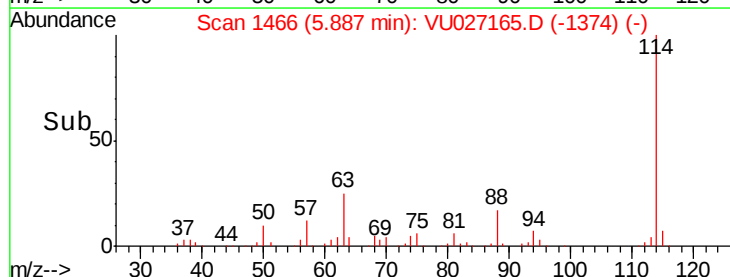
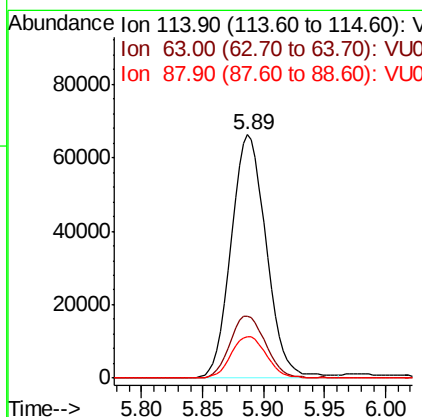
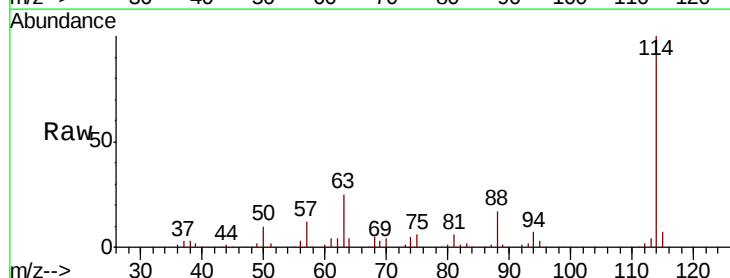
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	49.2
88	17.1	0.0	33.8





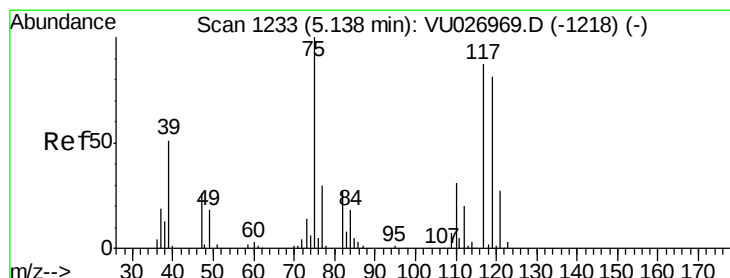
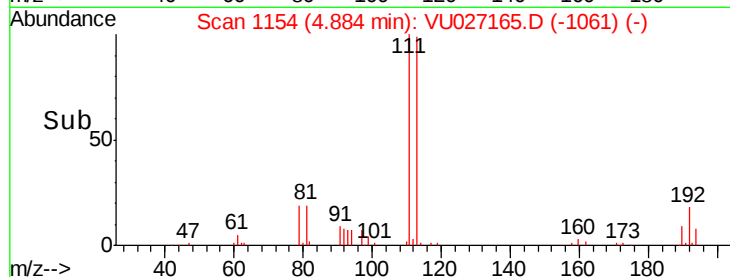
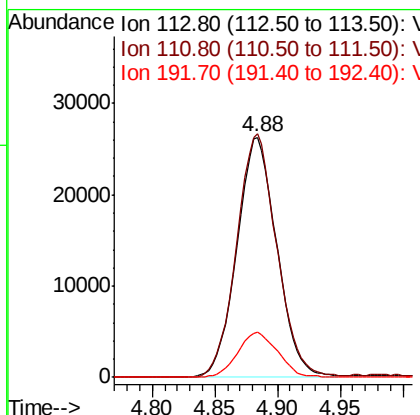
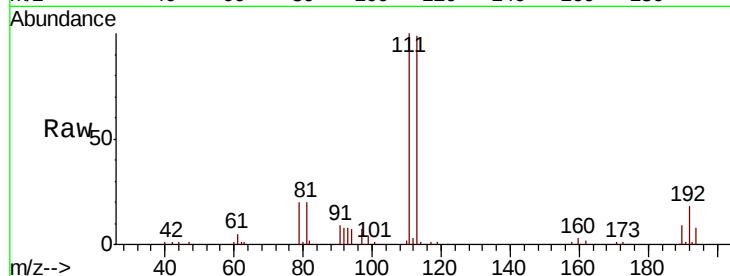
#35
 Dibromofluoromethane
 Concen: 50.561 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.2	123.4	
192	18.7	15.2	22.8	

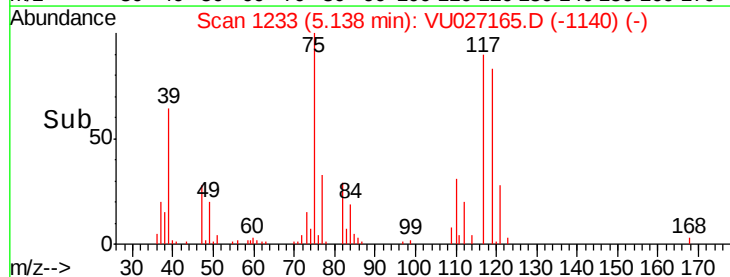
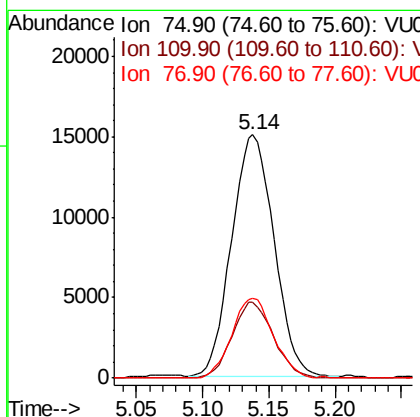
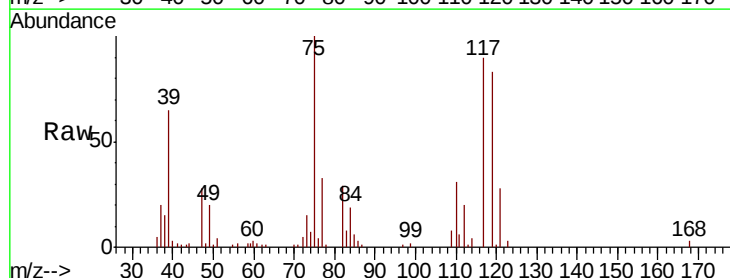
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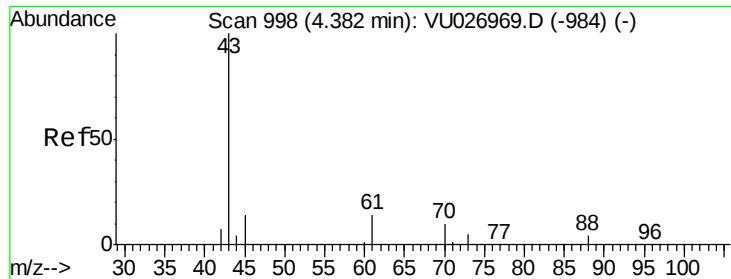
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#36
 1,1-Dichloropropene
 Concen: 18.864 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.6	16.1	48.2	
77	32.1	24.6	36.8	





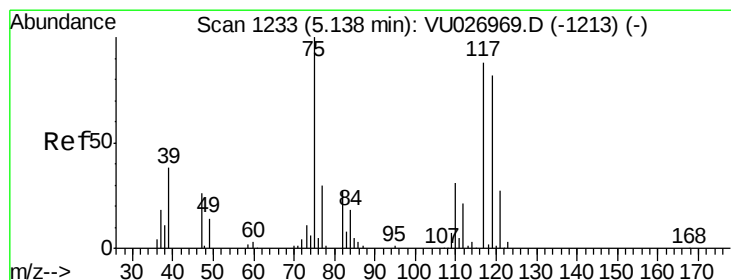
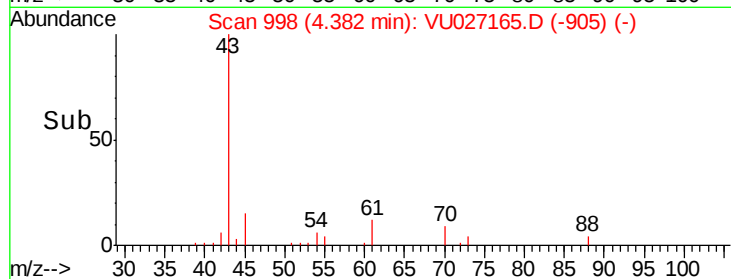
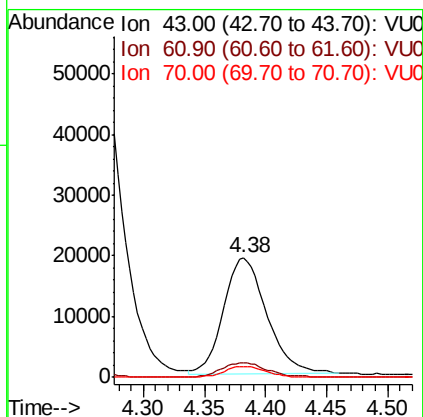
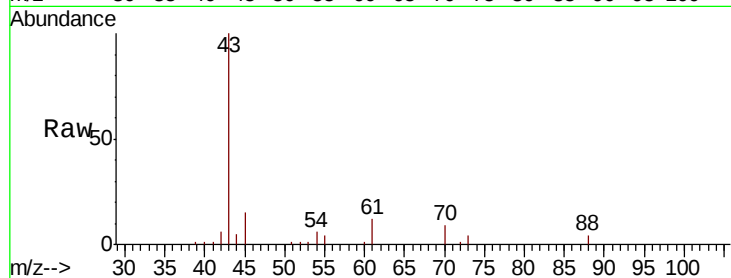
#37
Ethyl Acetate
Concen: 19.748 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	43	Resp	47404
Ion Ratio	100	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.1	7.4	11.0

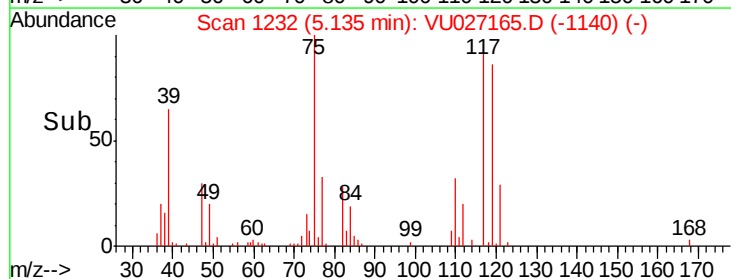
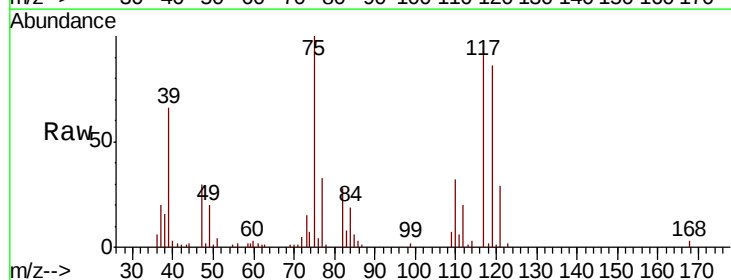
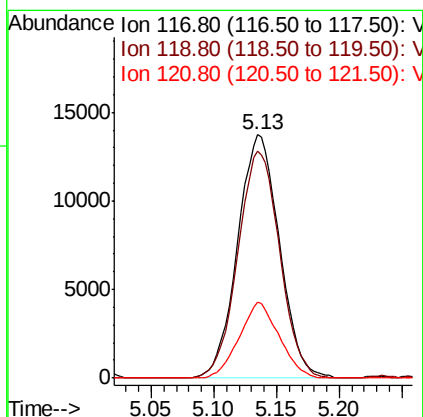
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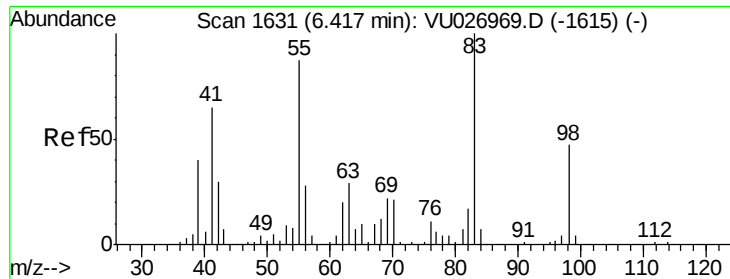
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#38
Carbon Tetrachloride
Concen: 18.891 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	117	Resp	31878
Ion Ratio	100	Lower	Upper
117	100		
119	93.2	74.4	111.6
121	31.2	24.2	36.4





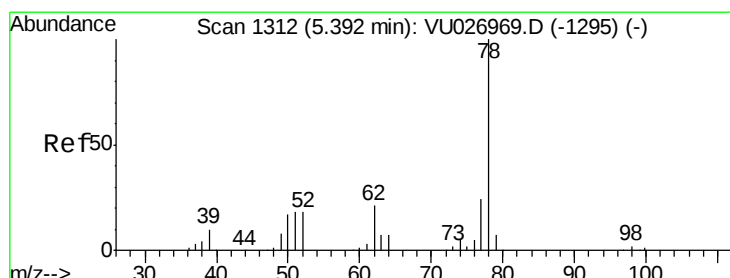
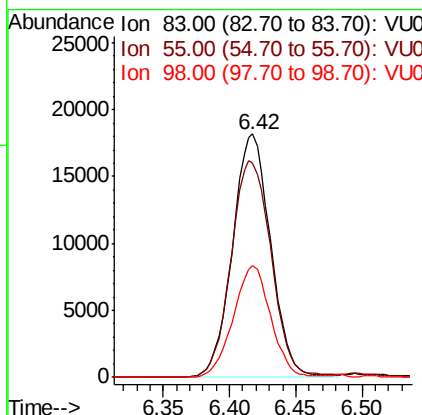
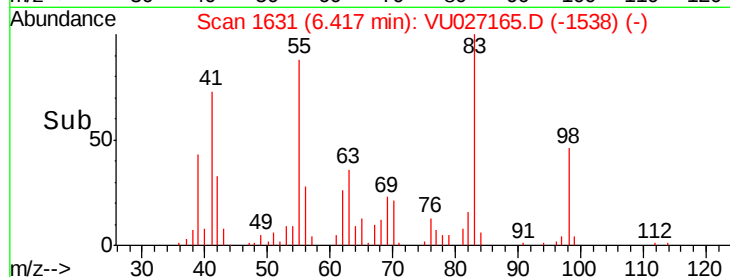
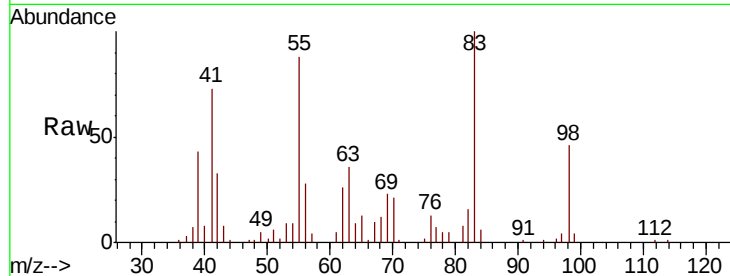
#39
Methylvlcyclohexane
Concen: 18.870 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	83	Resp	36363
Ion Ratio	Lower	Upper	
83	100		
55	87.8	69.9	104.9
98	45.8	37.5	56.3

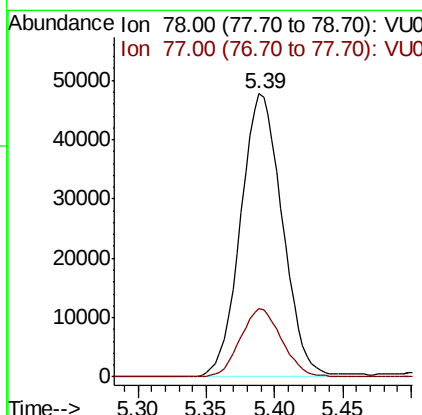
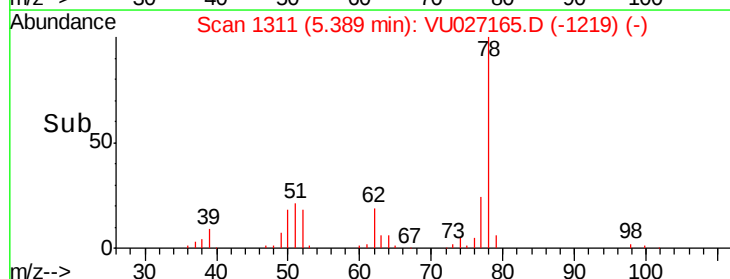
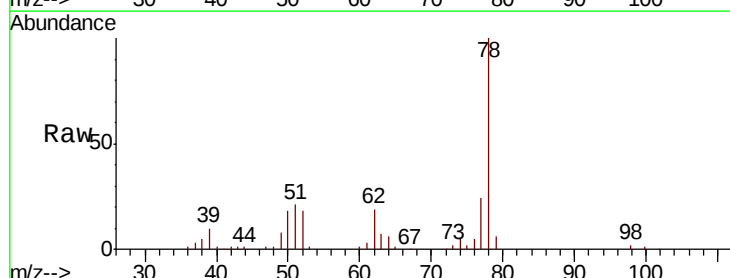
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#40
Benzene
Concen: 18.810 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	78	Resp	101395
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.4	29.0





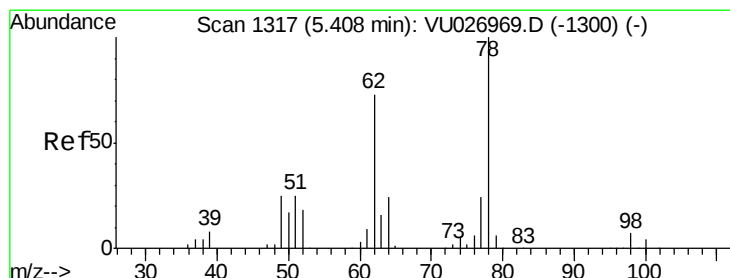
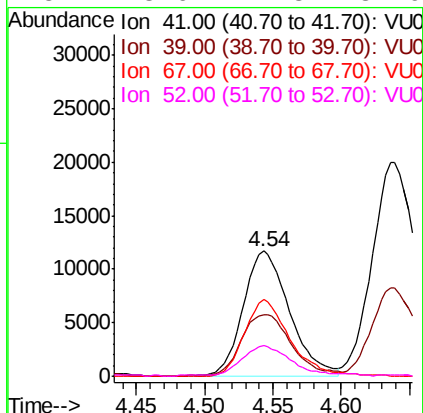
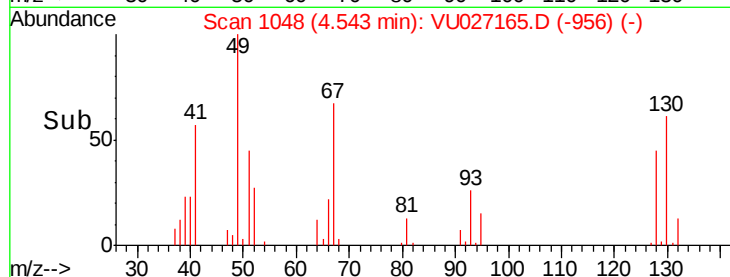
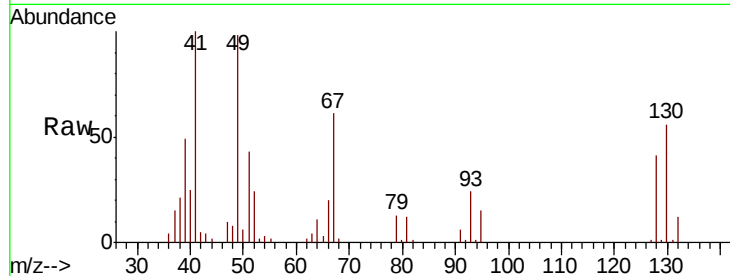
#41
Methacrylonitrile
Concen: 22.221 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ion	Ratio	Lower	Upper
27702	41	100		
	39	53.6	42.9	64.3
	67	59.9	52.4	78.6
	52	23.6	21.3	31.9

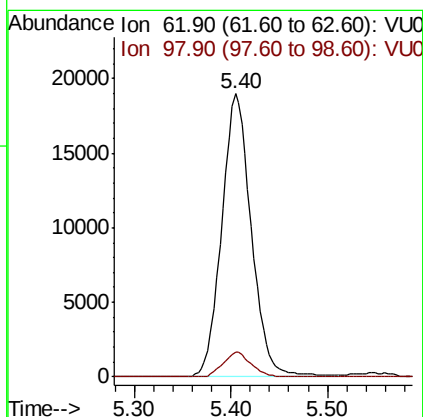
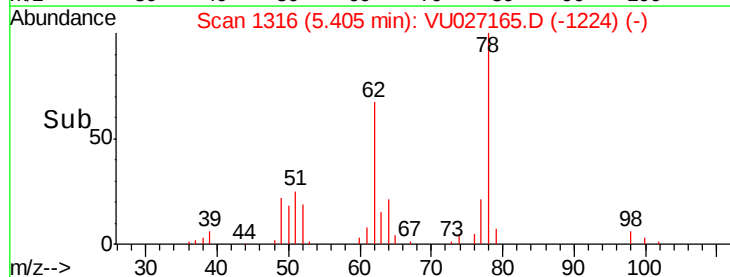
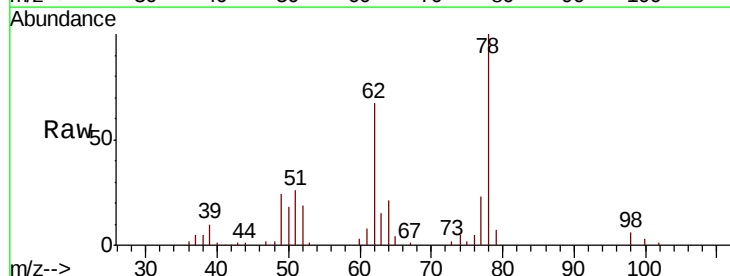
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.851 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ion	Ratio	Lower	Upper
40429	62	100		
	98	8.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 21.396 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

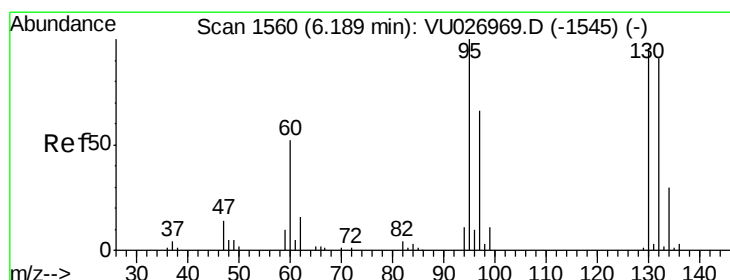
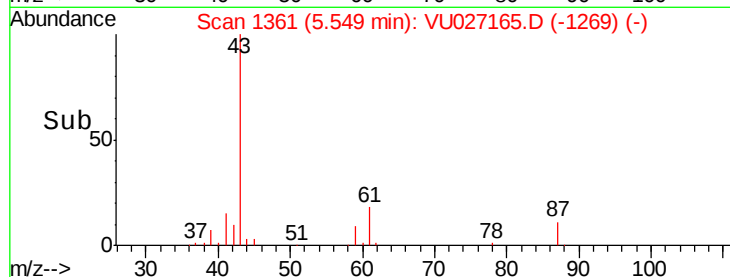
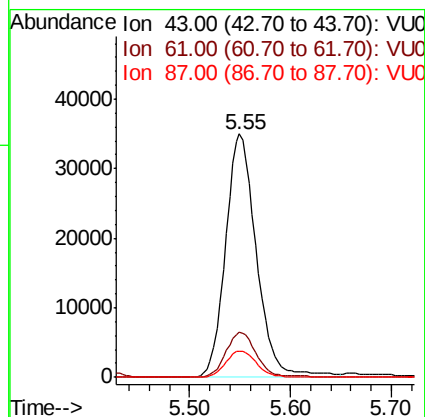
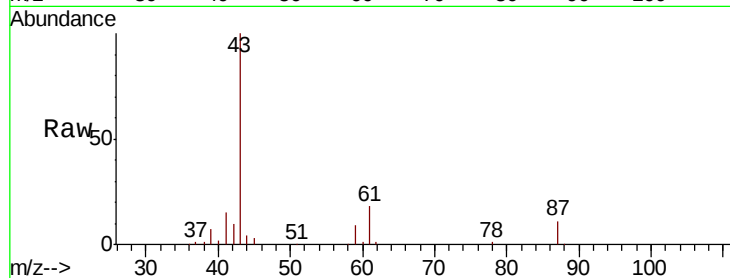
ClientSampleId :

VU0926WBS02

Tot Ion:	43	Resp:	74904
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.7	23.5
87	10.6	9.0	13.4

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#44

Trichloroethene

Concen: 18.940 ug/l

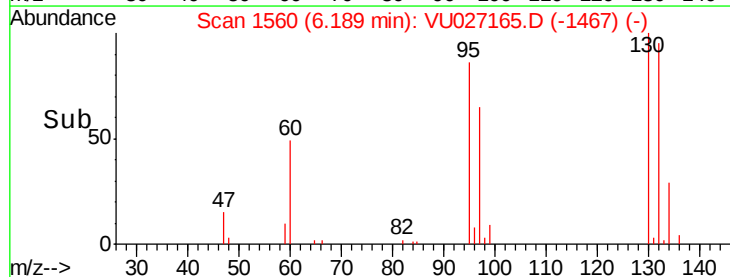
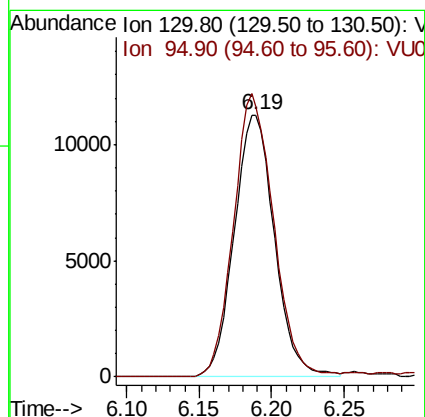
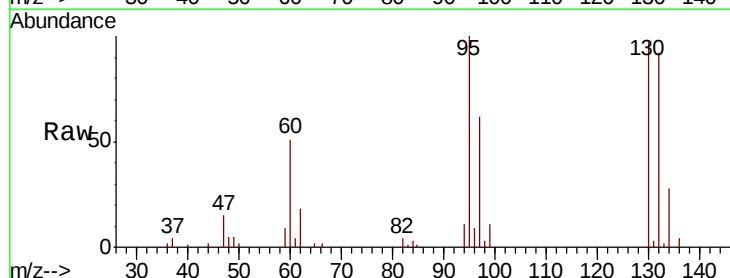
RT: 6.19 min Scan# 1560

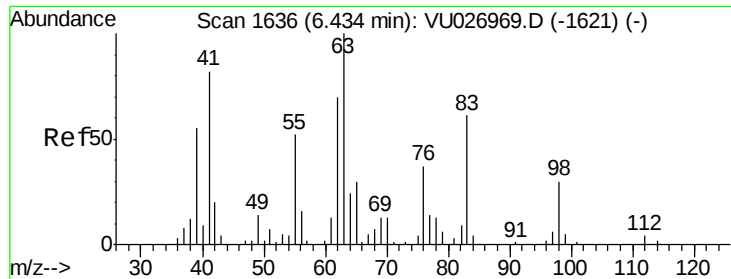
Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Tgt Ion:	130	Resp:	21735
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	208.8





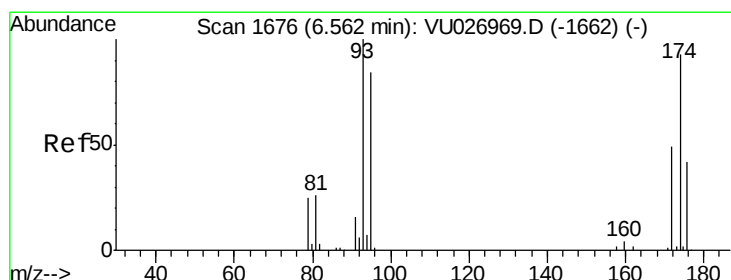
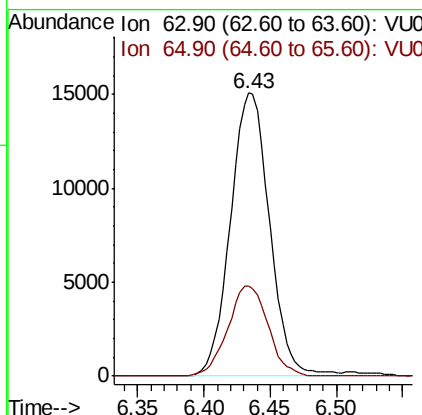
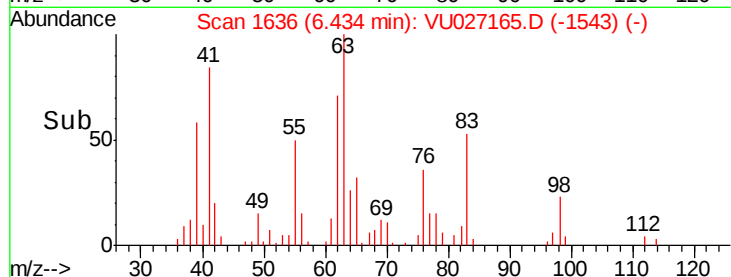
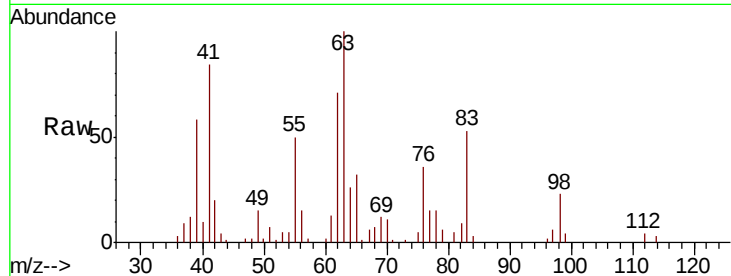
#45
 1,2-Dichloropropane
 Concen: 20.156 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion: 63 Resp: 30958
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5

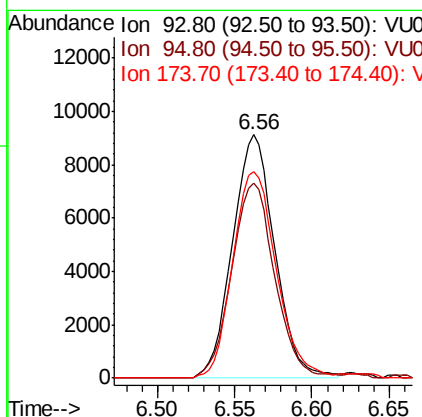
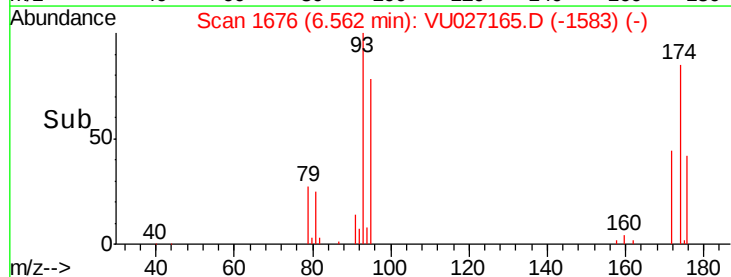
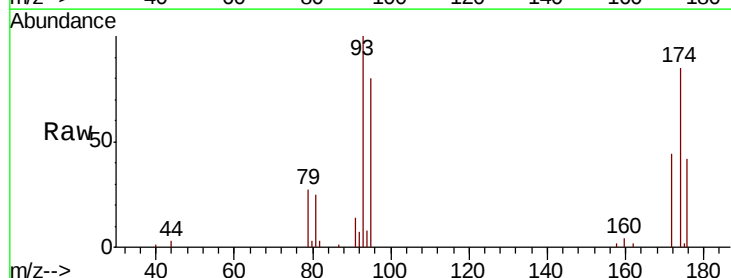
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#46
 Dibromomethane
 Concen: 18.706 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion: 93 Resp: 17352
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.2 99.4
 174 87.6 71.7 107.5





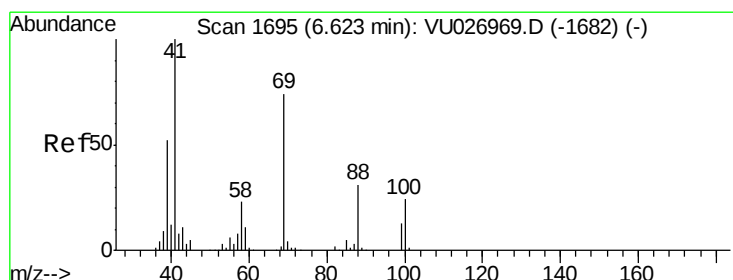
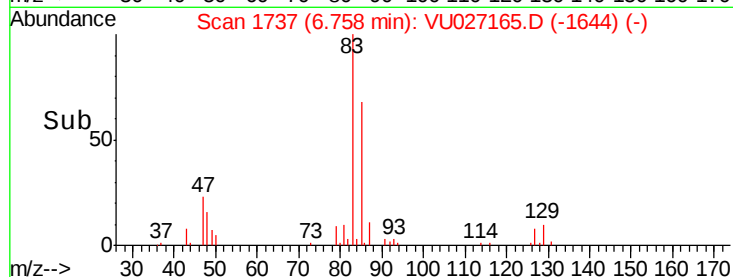
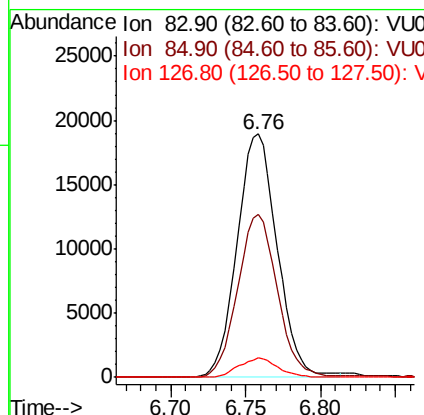
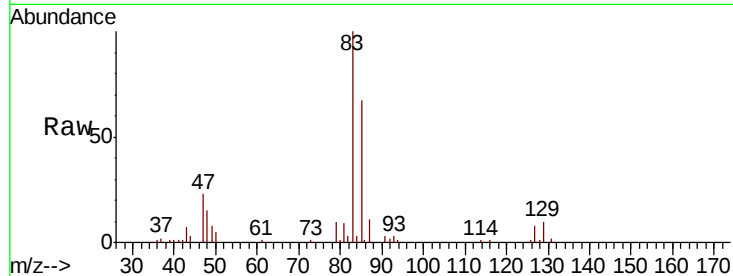
#47
 Bromodichloromethane
 Concen: 18.873 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	83	Resp	35400
Ion Ratio	100	Lower	Upper
83	100		
85	66.9	52.5	78.7
127	7.9	6.3	9.5

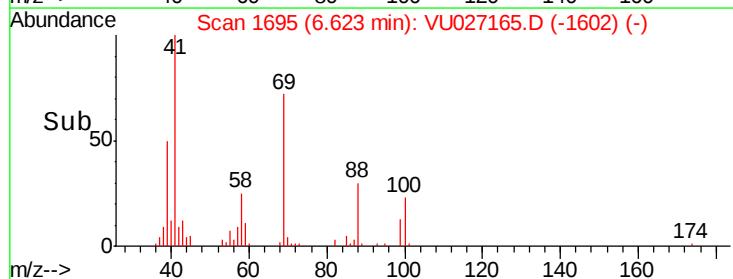
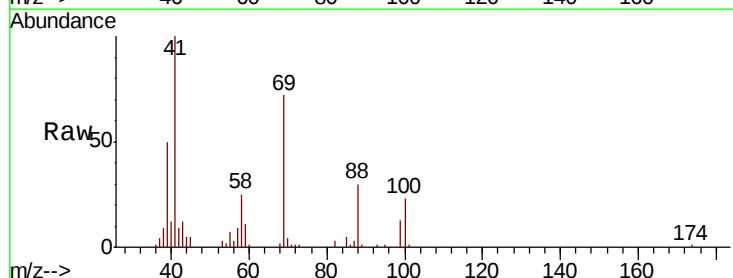
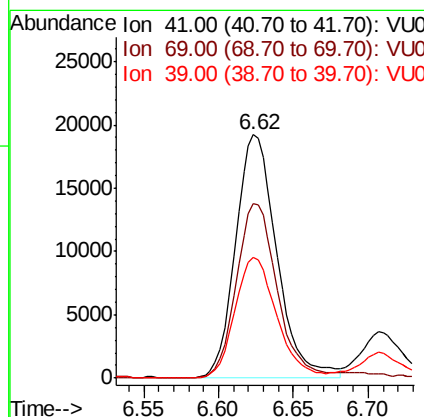
Manual Integrations
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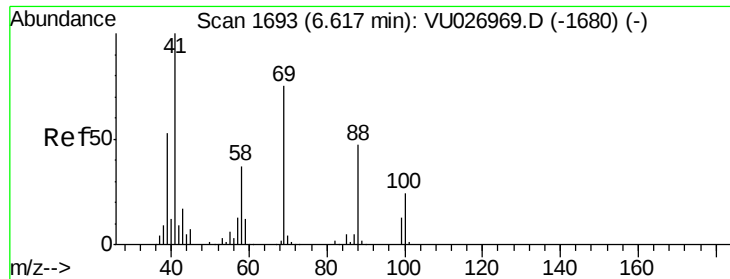
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#48
 Methyl methacrylate
 Concen: 20.039 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	41	Resp	37003
Ion Ratio	100	Lower	Upper
41	100		
69	71.4	60.6	90.8
39	50.1	42.8	64.2





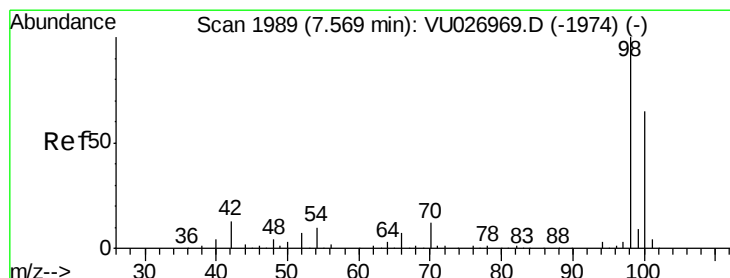
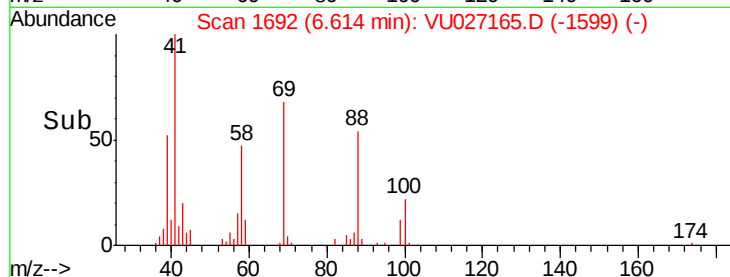
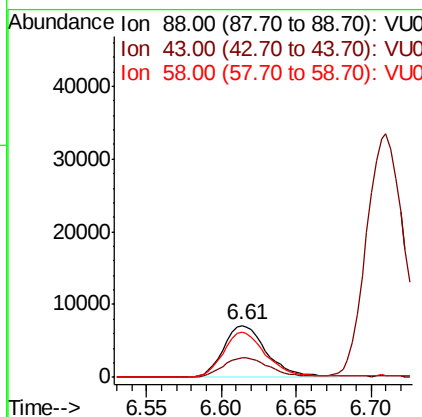
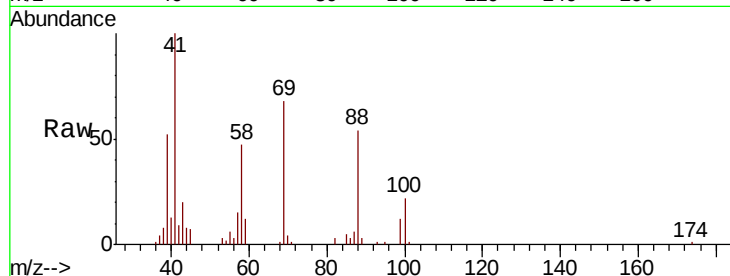
#49
1,4-Dioxane
Concen: 382.702 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	29.8	44.8
58	85.8	63.9	95.9

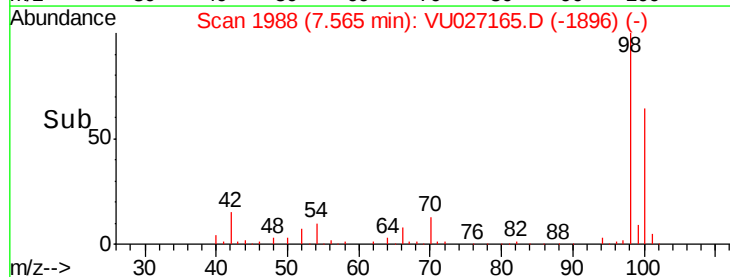
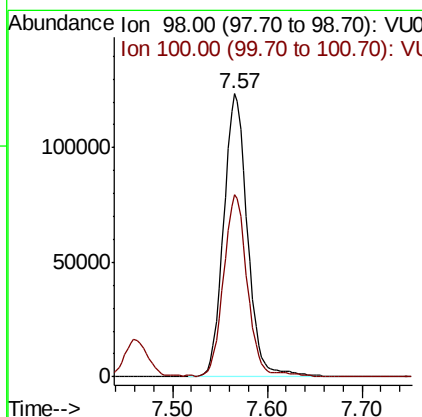
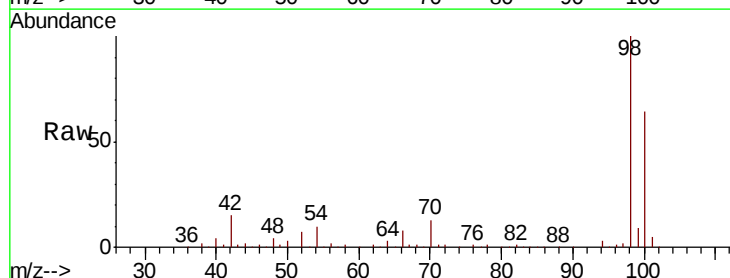
Manual Integrations
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#50
Toluene-d8
Concen: 49.384 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 106.701 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 43 Resp: 251226

Ion Ratio Lower Upper

43 100

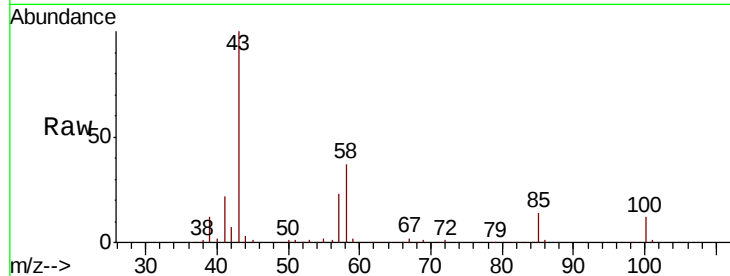
58 36.4 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

150000

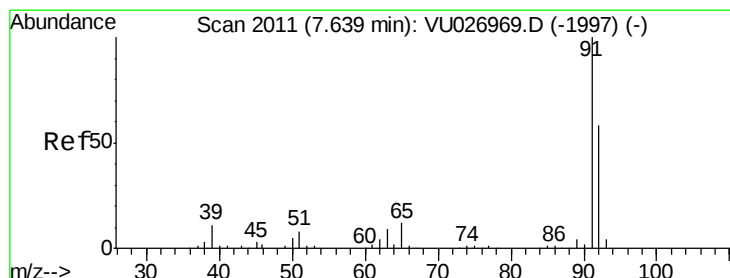
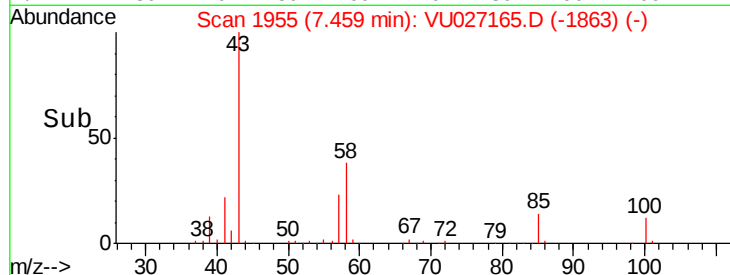
100000

50000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 19.193 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027165.D

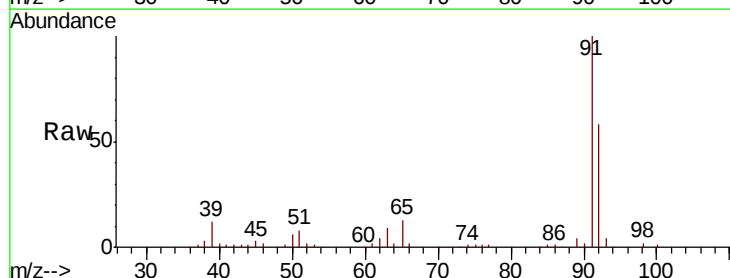
Acq: 26 Sep 2018 10:23

Tgt Ion: 92 Resp: 59305

Ion Ratio Lower Upper

92 100

91 174.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

60000

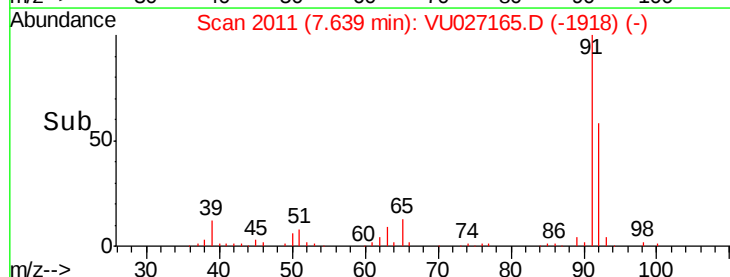
40000

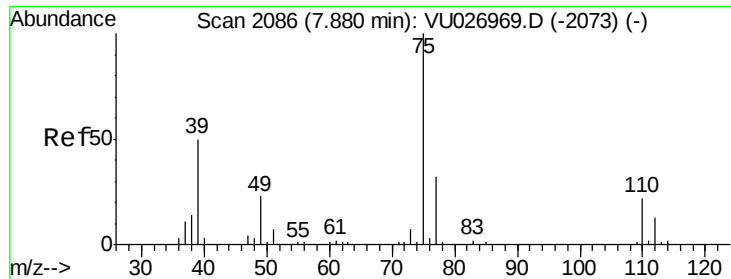
20000

0

7.60 7.70

Time-->





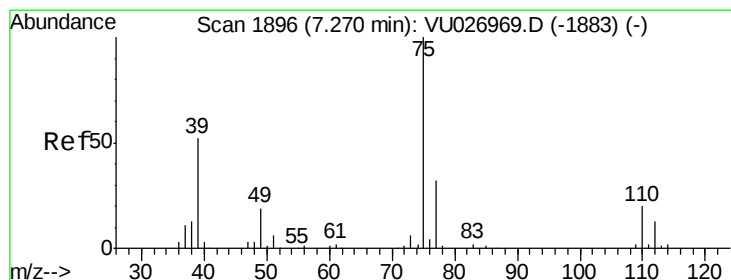
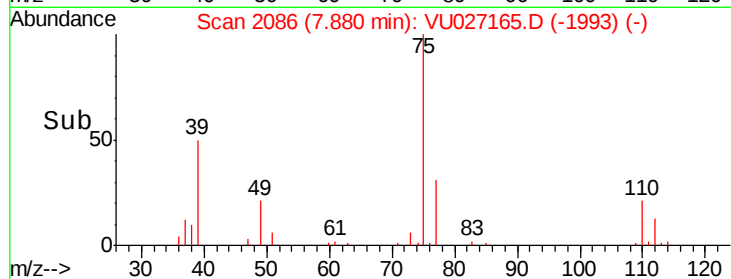
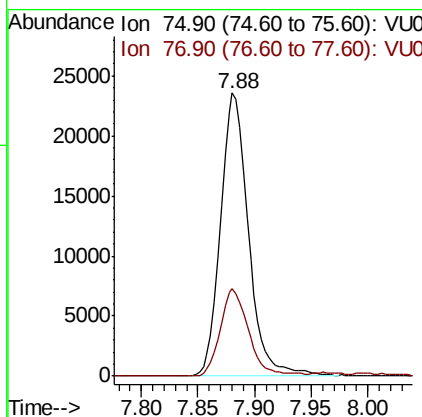
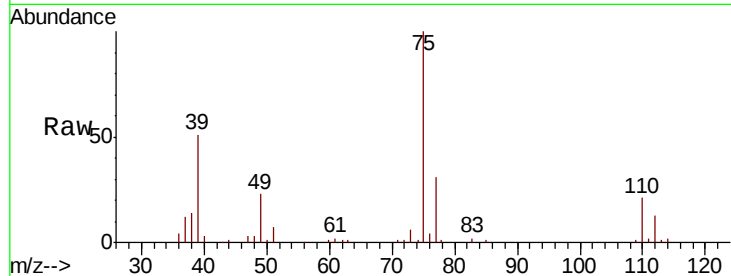
#53
t-1,3-Dichloropropene
Concen: 20.162 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion: 75 Resp: 40632
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9

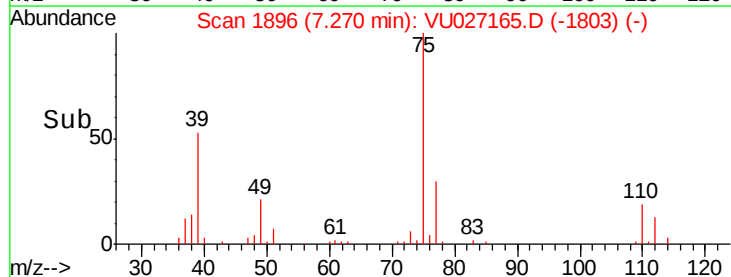
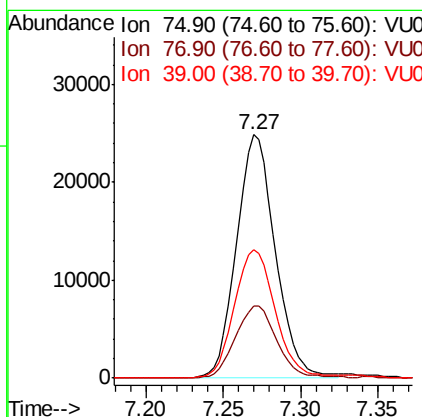
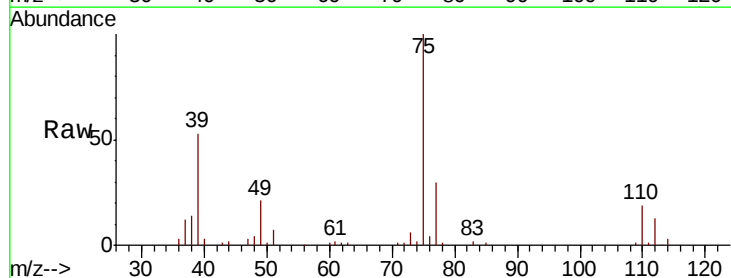
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#54
cis-1,3-Dichloropropene
Concen: 19.614 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion: 75 Resp: 43462
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.0
39 52.8 41.6 62.4





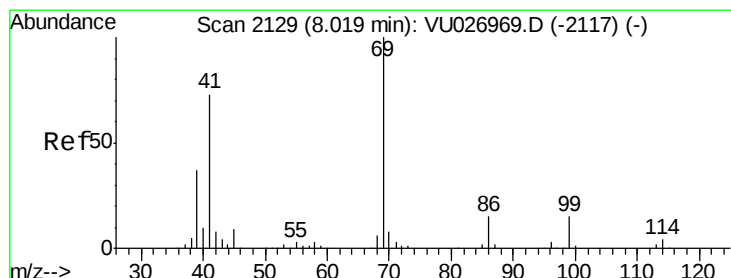
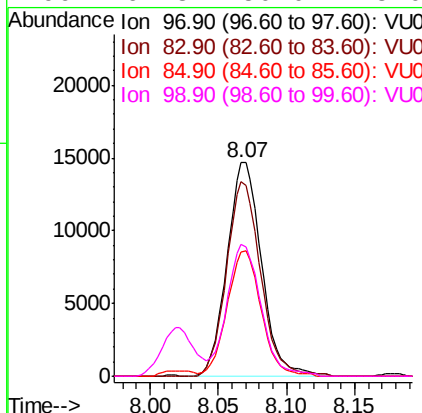
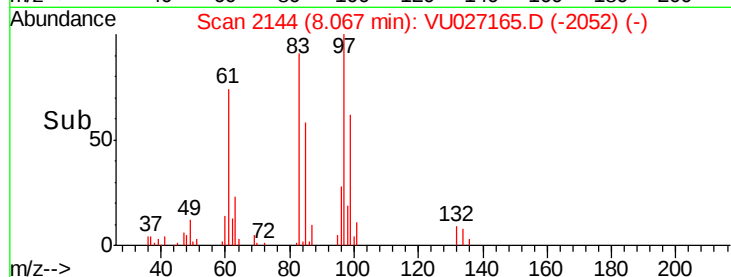
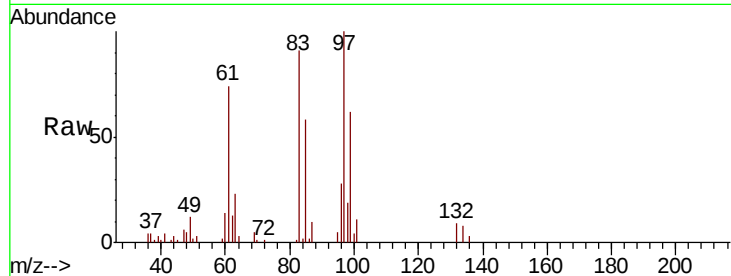
#55
 1,1,2-Trichloroethane
 Concen: 19.760 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion:	97	Resp:	25871
Ion	Ratio	Lower	Upper
97	100		
83	91.0	73.1	109.7
85	58.0	46.7	70.1
99	61.8	50.0	75.0

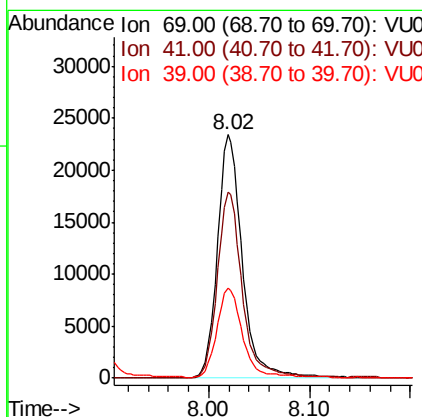
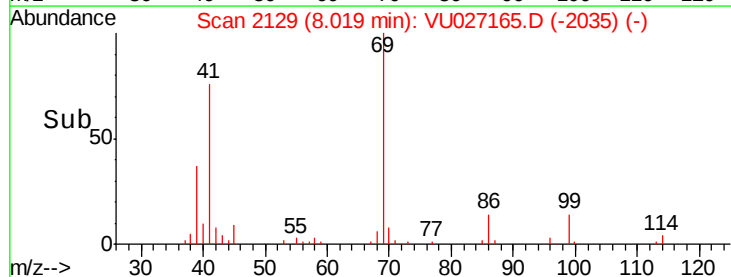
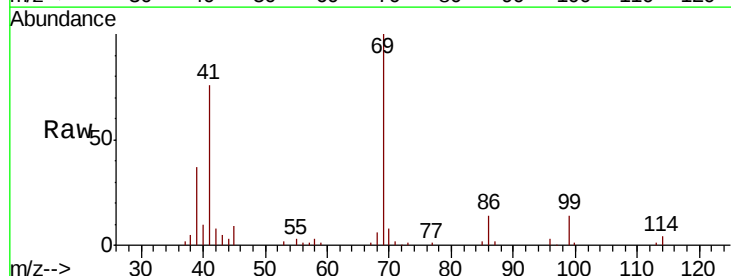
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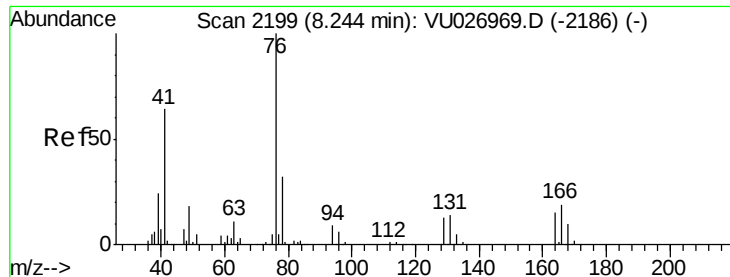
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#56
 Ethyl methacrylate
 Concen: 19.128 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion:	69	Resp:	40235
Ion	Ratio	Lower	Upper
69	100		
41	76.4	59.0	88.4
39	38.8	30.2	45.4





#57

1,3-Dichloropropane

Concen: 19.440 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion: 76 Resp: 47339

Ion Ratio Lower Upper

76 100

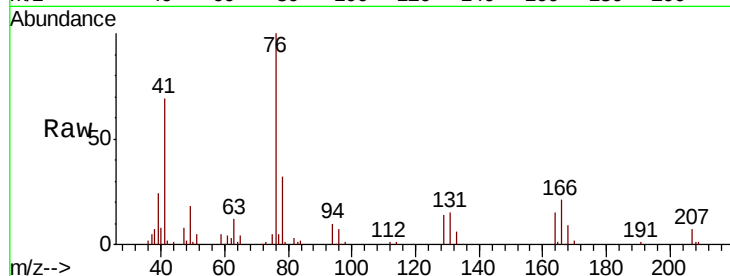
78 32.6 25.5 38.3

Manual Integrations

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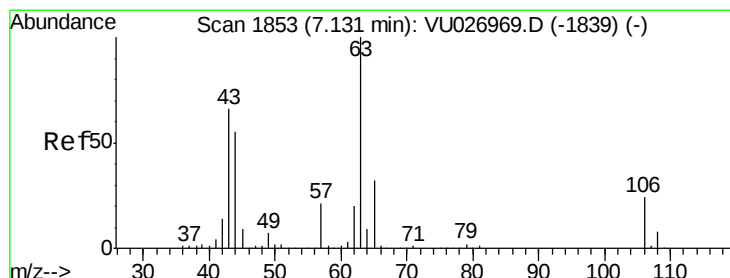
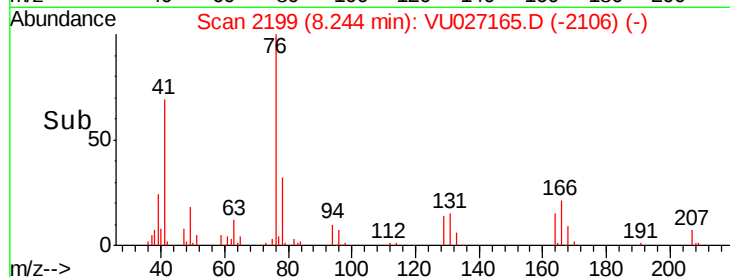
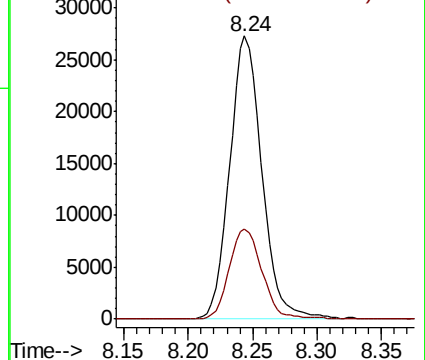
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 95.337 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027165.D

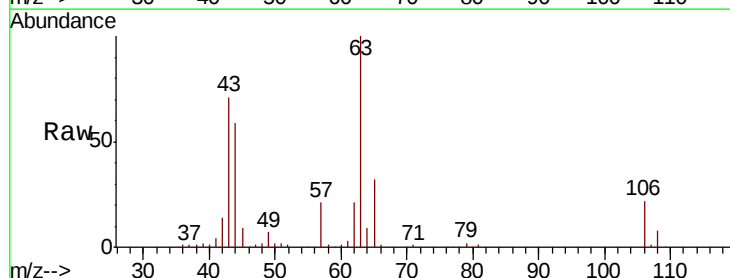
Acq: 26 Sep 2018 10:23

Tgt Ion: 63 Resp: 118956

Ion Ratio Lower Upper

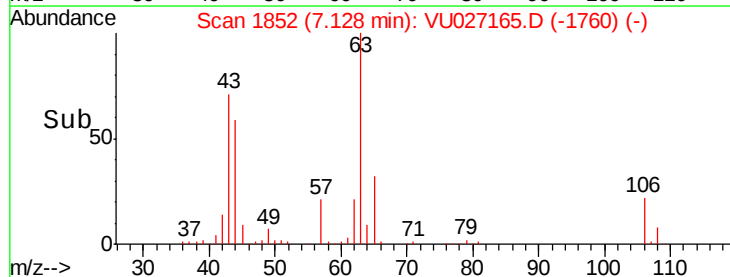
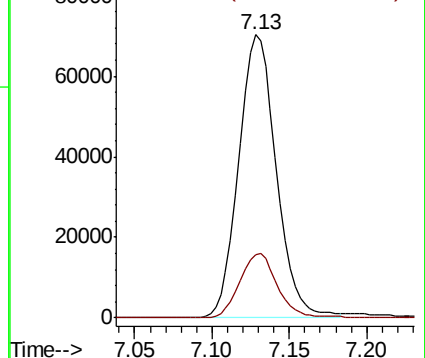
63 100

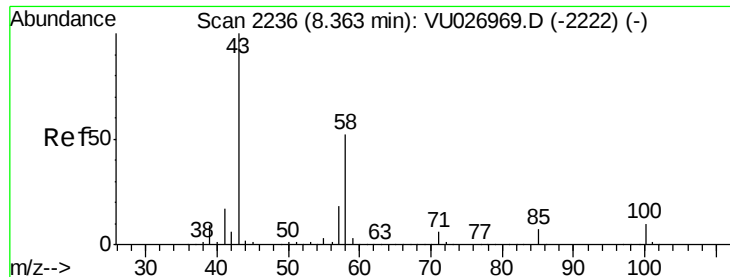
106 22.8 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





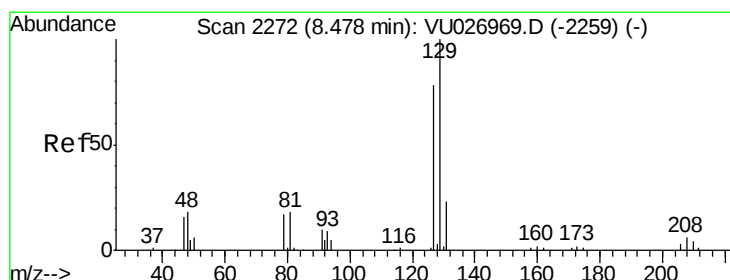
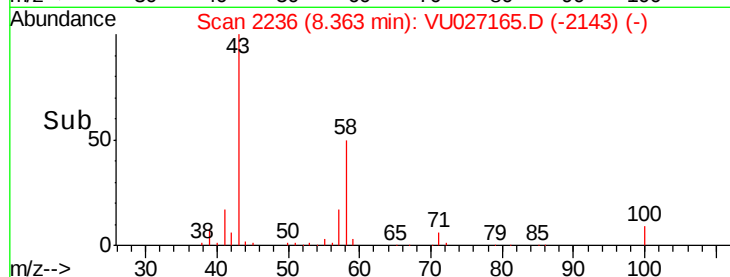
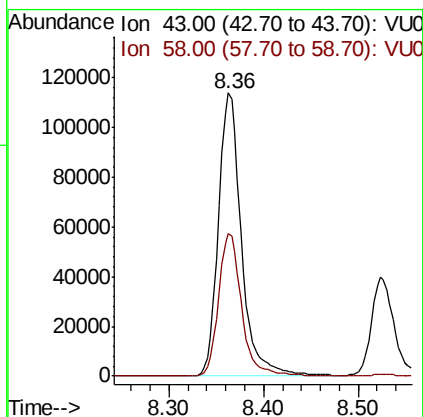
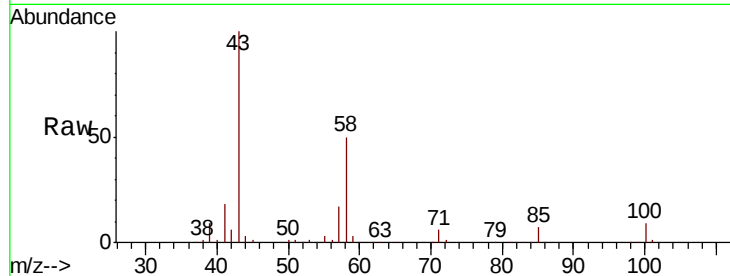
#59
2-Hexanone
Concen: 104.835 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	26.1	78.2

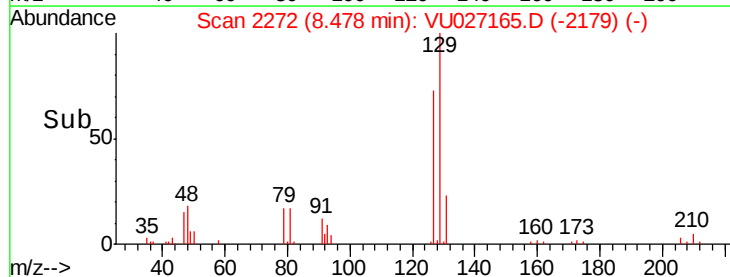
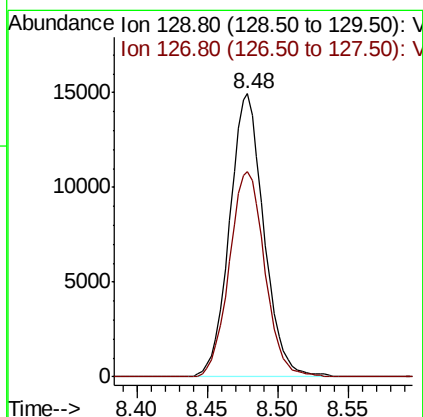
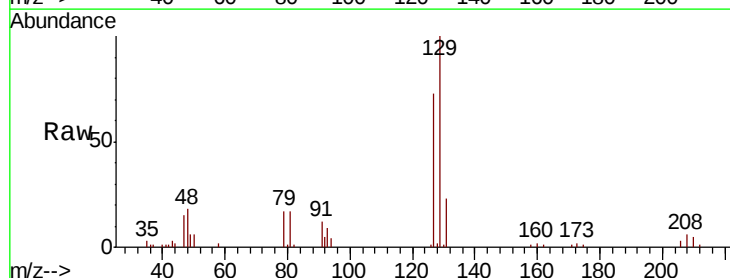
Manual Integrations
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9/27/2018 3:33:18 PM



#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	38.1	114.5





#61

1,2-Dibromoethane

Concen: 18.847 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion:107 Resp: 25674

Ion Ratio Lower Upper

107 100

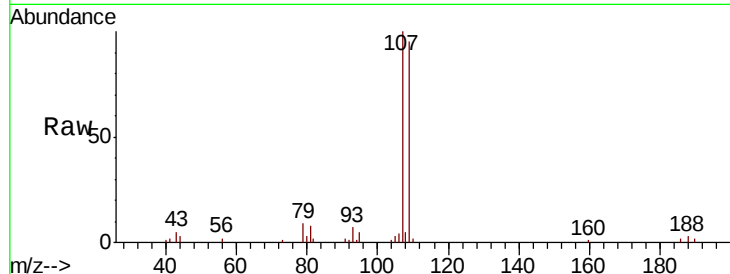
109 94.8 75.0 112.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

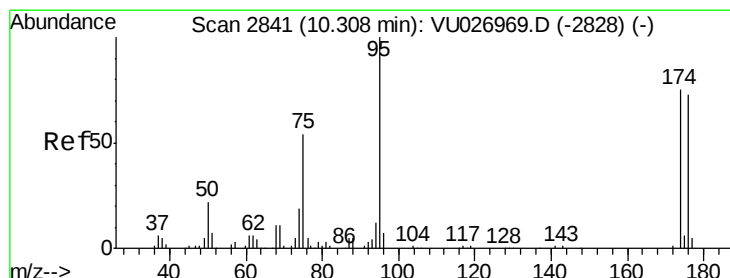
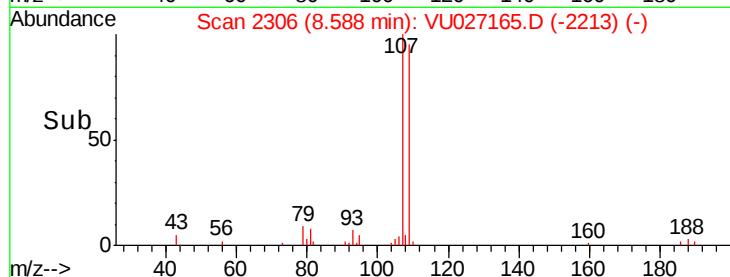
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 51.381 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

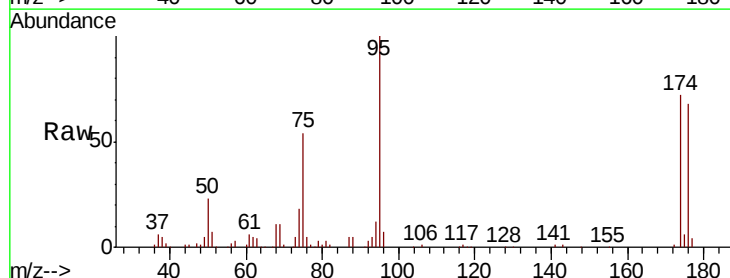
Tgt Ion: 95 Resp: 77381

Ion Ratio Lower Upper

95 100

174 72.0 0.0 150.2

176 68.5 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

60000

50000

40000

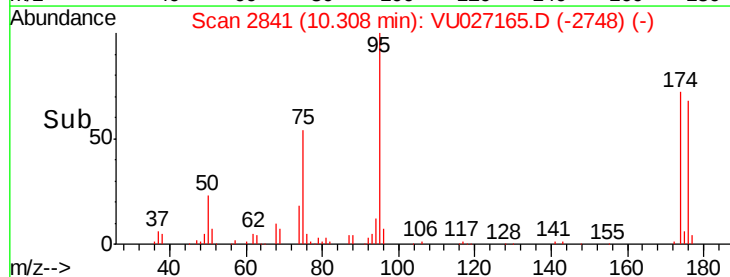
30000

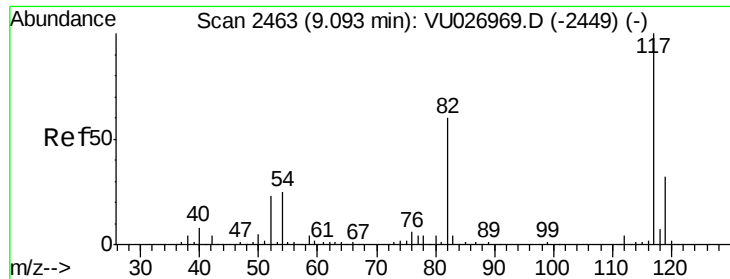
20000

10000

0

Time--> 10.25 10.30 10.35 10.40





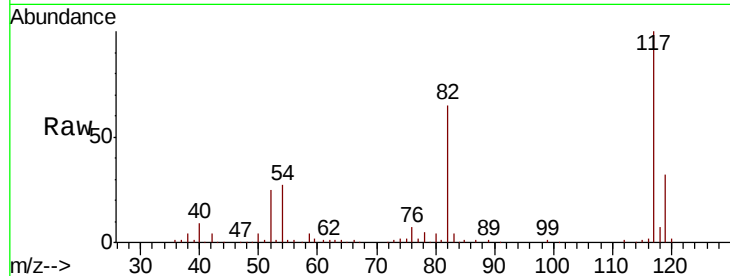
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.9	48.0	72.0
119	32.2	25.8	38.8

Manual Integrations
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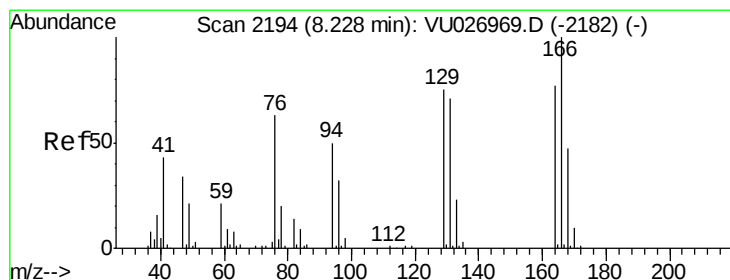
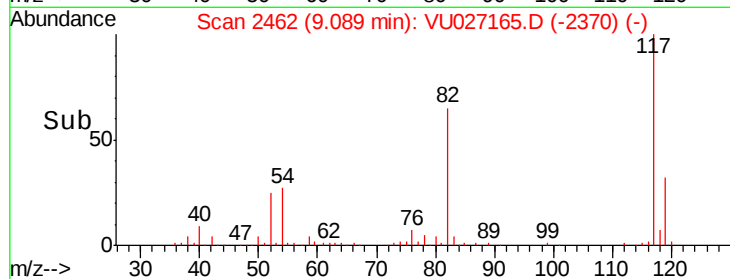
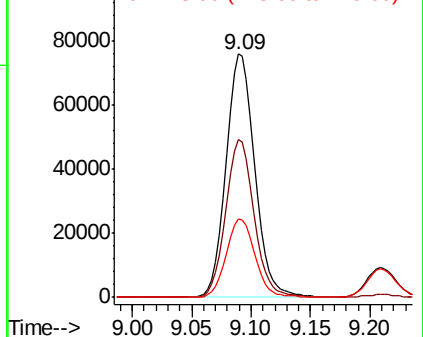


Abundance

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: 18.349 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.4	156.6
129	100.3	78.7	118.1
131	90.7	73.9	110.9

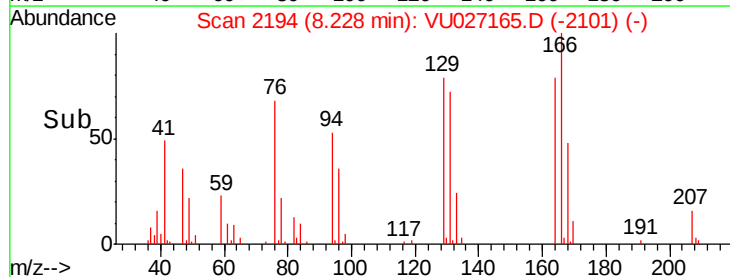
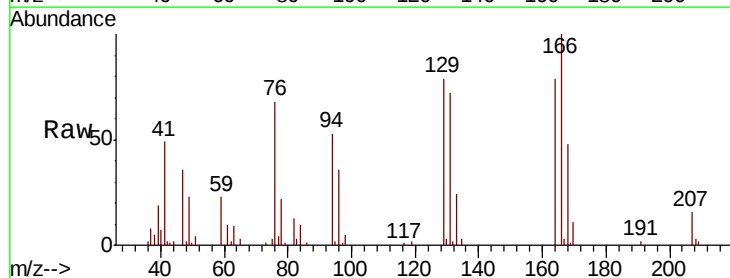
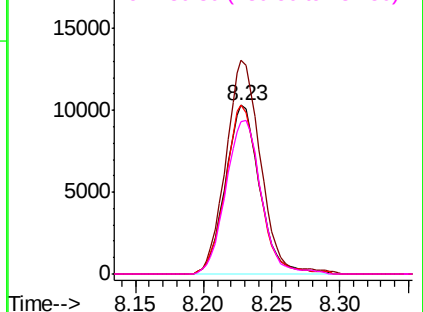
Abundance

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





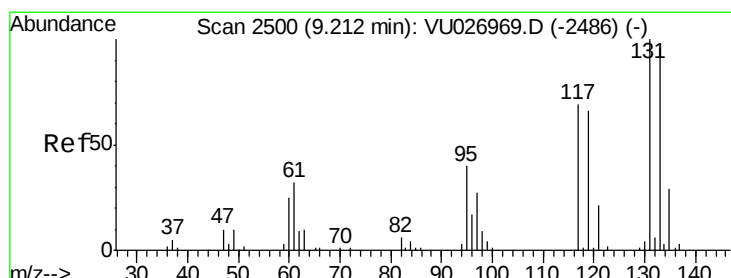
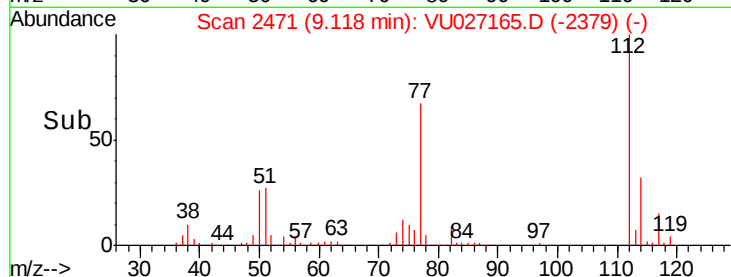
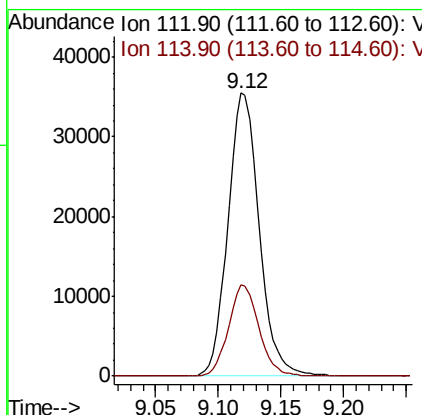
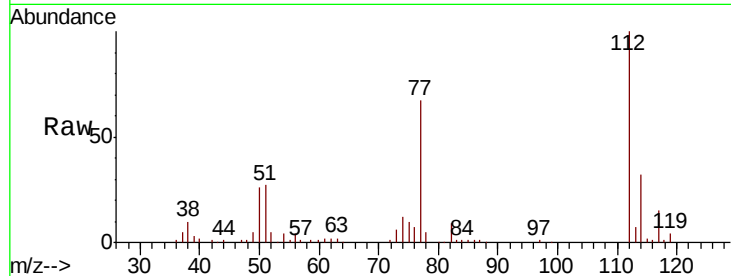
#65
Chlorobenzene
Concen: 18.195 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion:112 Resp: 61378
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6

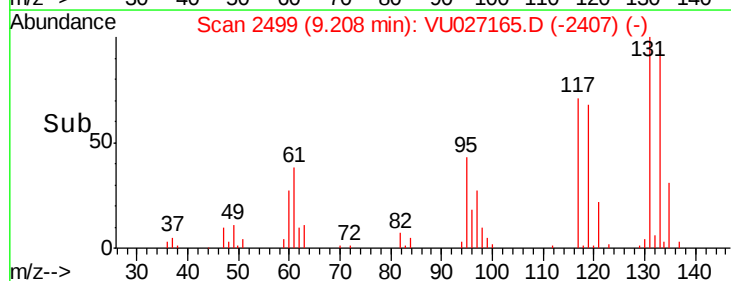
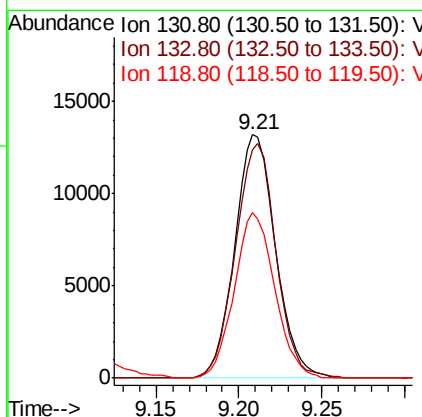
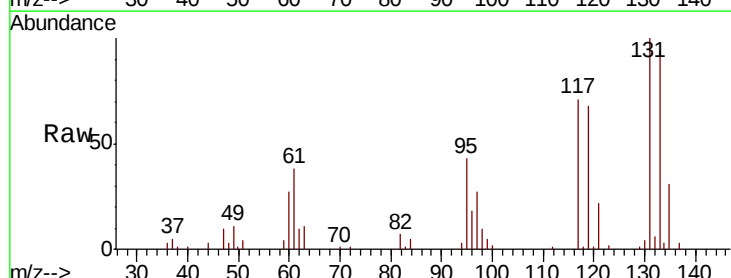
Manual Integrations
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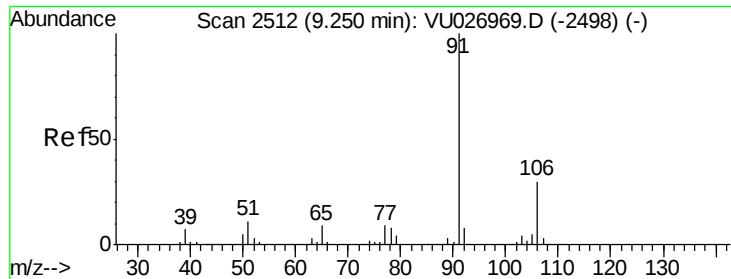
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.390 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion:131 Resp: 22529
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.2
119 67.3 33.4 100.1





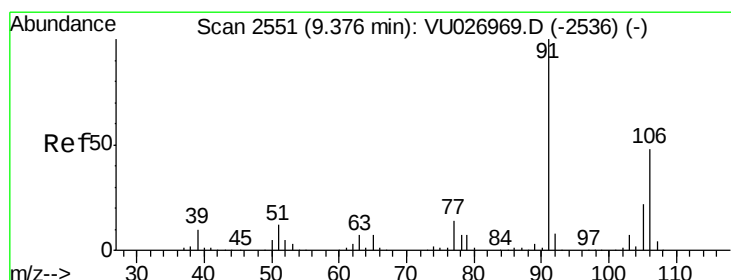
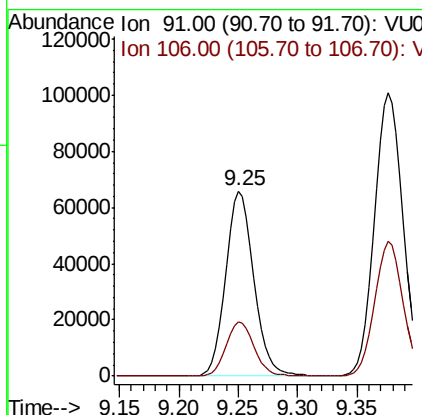
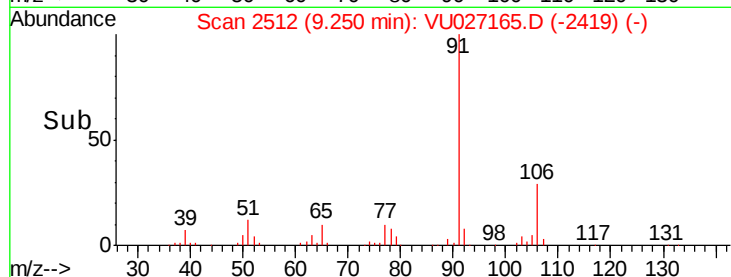
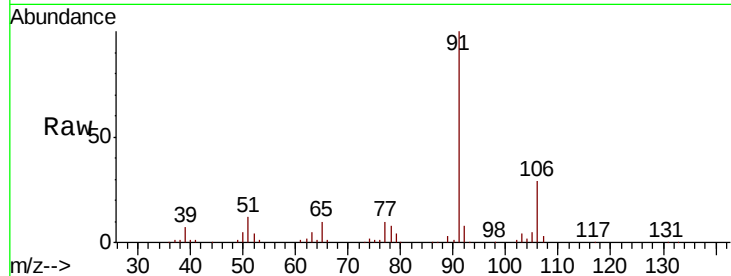
#67
Ethyl Benzene
Concen: 19.520 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion: 91 Resp: 108280
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8

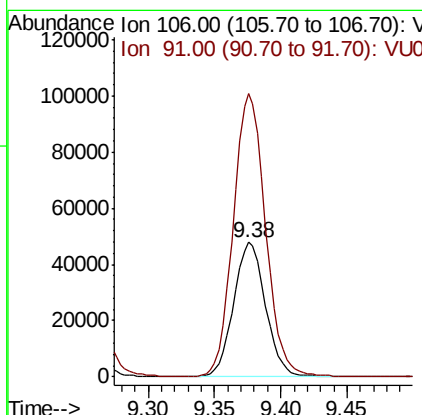
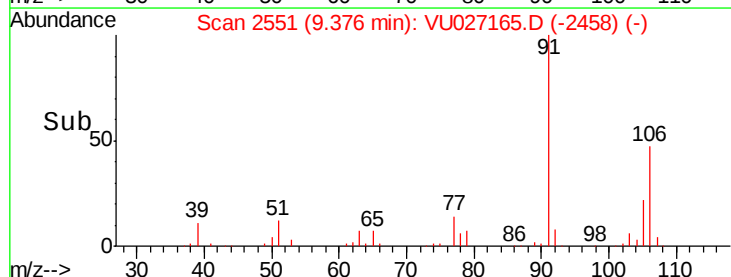
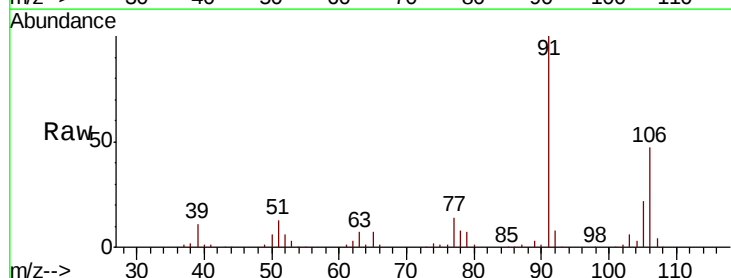
Manual Integrations
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#68
m/p-Xylenes
Concen: 36.750 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion: 106 Resp: 80393
Ion Ratio Lower Upper
106 100
91 212.1 166.5 249.7





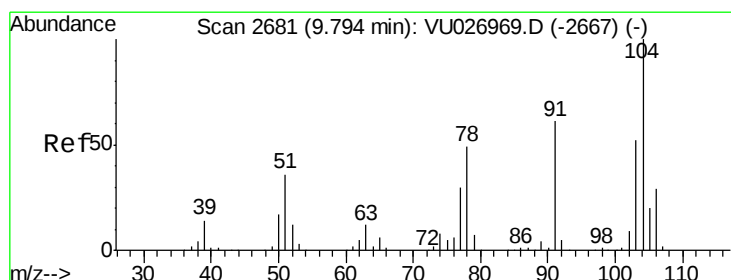
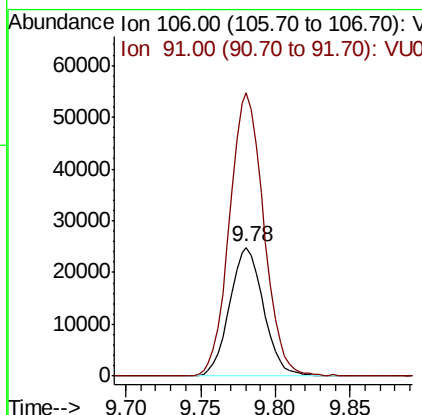
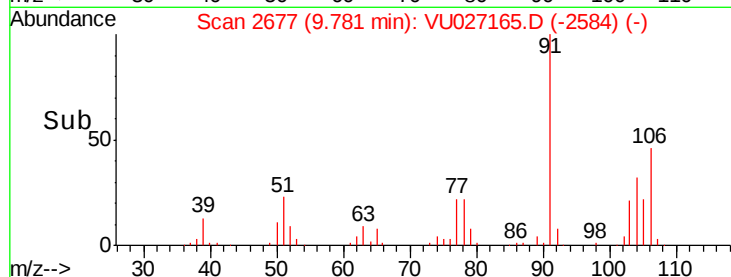
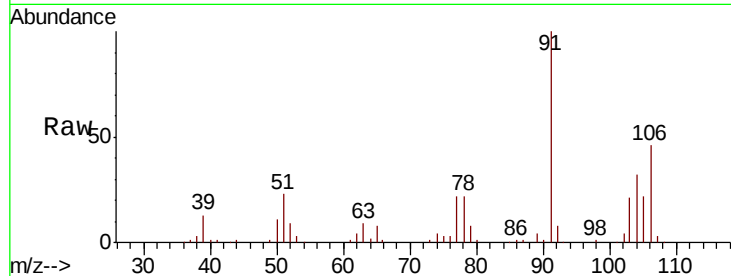
#69
o-Xylene
Concen: 20.033 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion:106 Resp: 39373
Ion Ratio Lower Upper
106 100
91 221.1 110.2 330.6

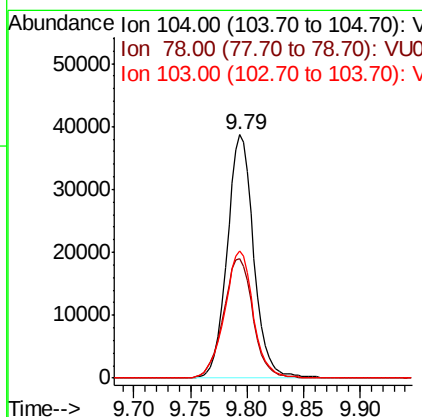
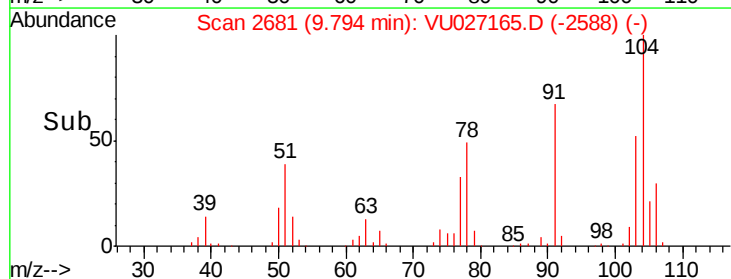
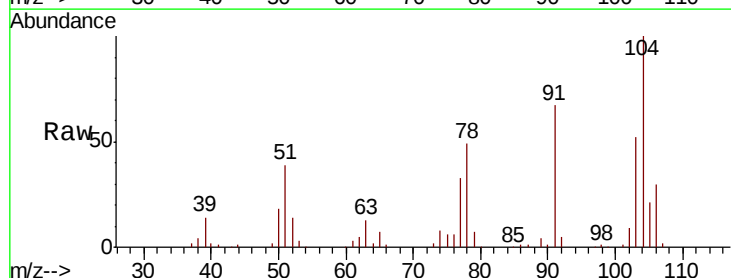
Manual Integrations
APPROVED

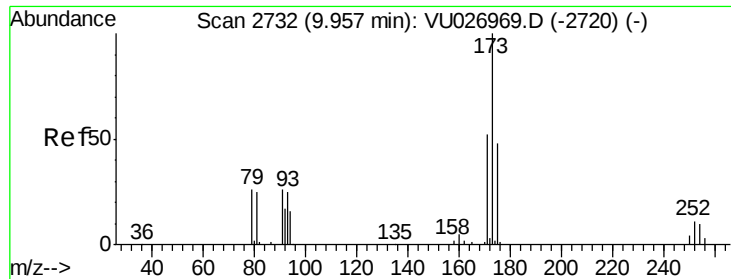
MMDadoda
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#70
Styrene
Concen: 18.392 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion:104 Resp: 63138
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.4
103 56.5 44.1 66.1





#71

Bromoform

Concen: 19.027 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

ClientSampleId :

VU0926WBS02

Tot Ion:173 Resp: 17096

Ion Ratio Lower Upper

173 100

175 49.0 23.9 71.8

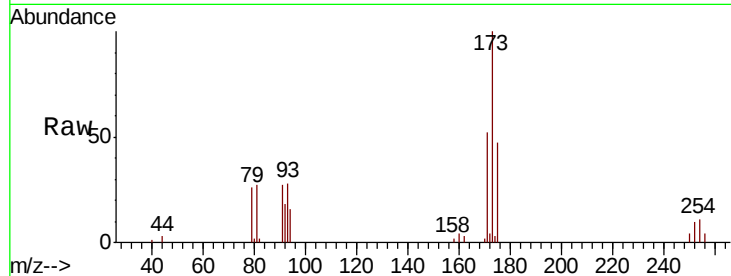
254 0.0 0.0 0.0

Manual Integrations

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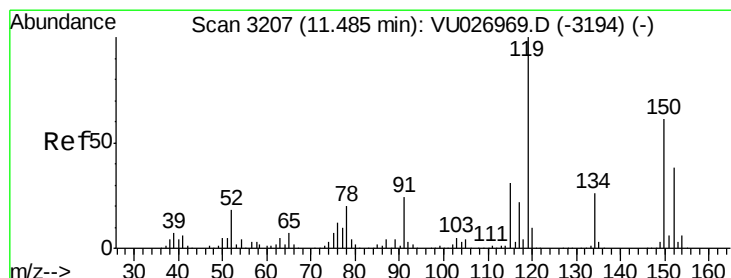
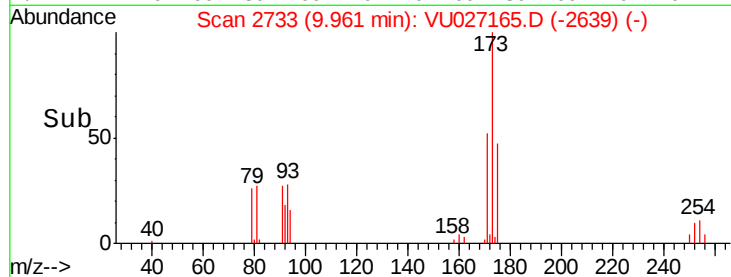
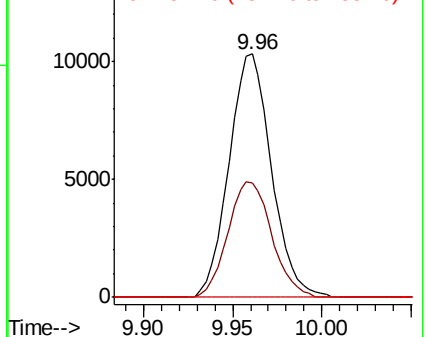
9/27/2018 3:33:18 PM



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: VU027165.D

Acq: 26 Sep 2018 10:23

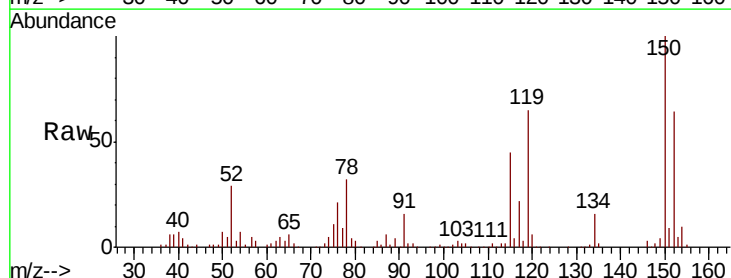
Tgt Ion:152 Resp: 66783

Ion Ratio Lower Upper

152 100

115 72.9 44.9 134.5

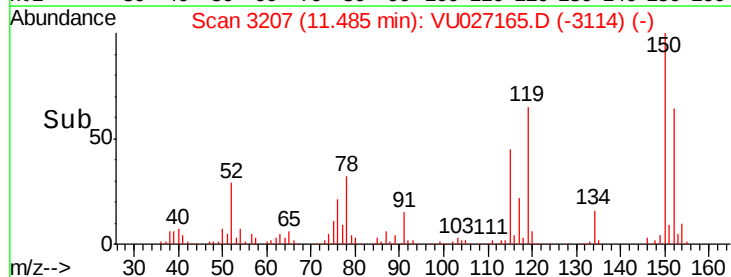
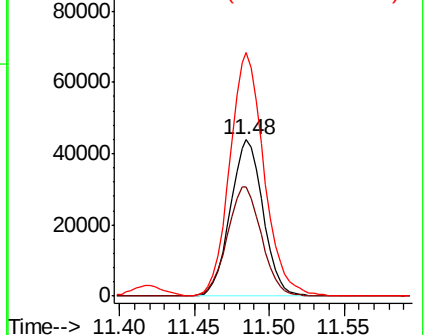
150 163.2 0.0 355.8

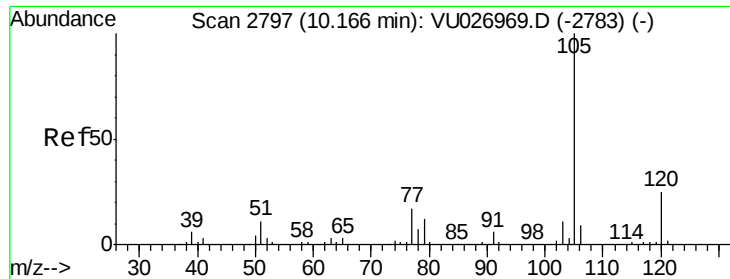


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





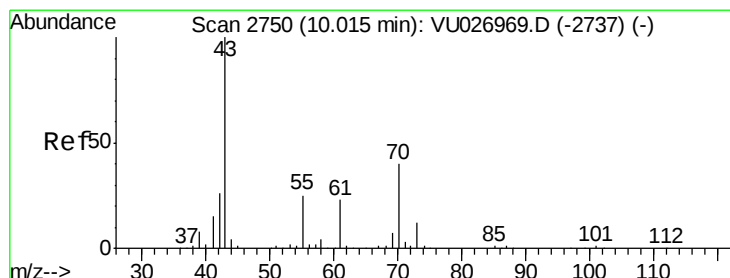
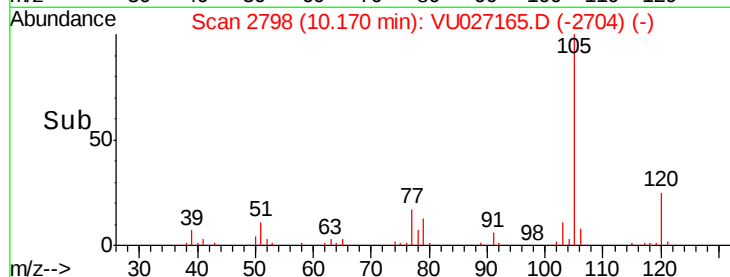
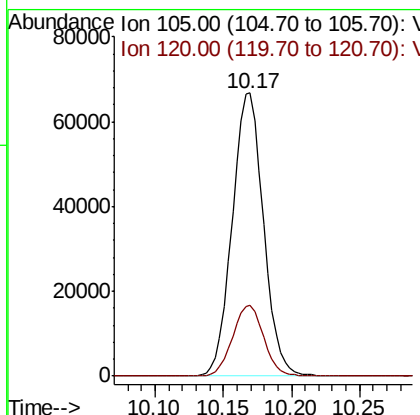
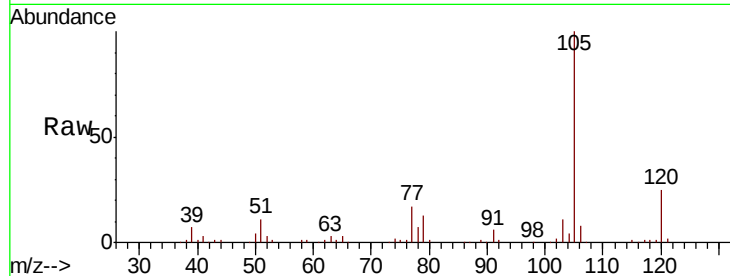
#73
Isopropylbenzene
Concen: 20.921 ug/l
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.9	12.8	38.4

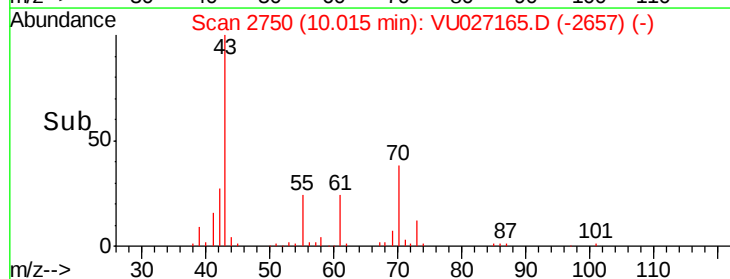
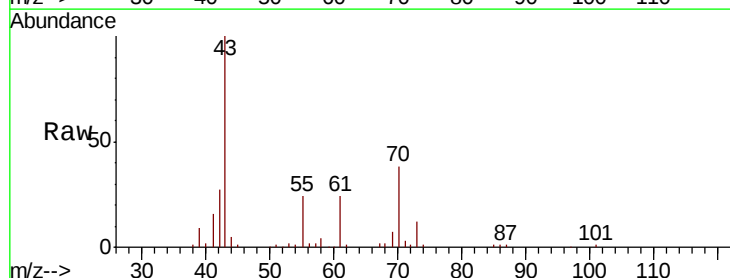
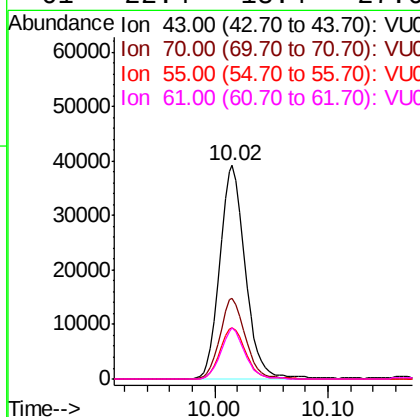
Manual Integrations
APPROVED

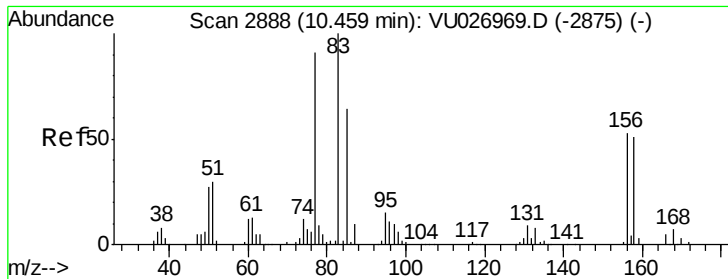
MMDadoda
9/27/2018 3:33:18 PM



#74
N-ethyl acetate
Concen: 20.981 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	31.8	47.8
55	24.0	19.9	29.9
61	22.4	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.982 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

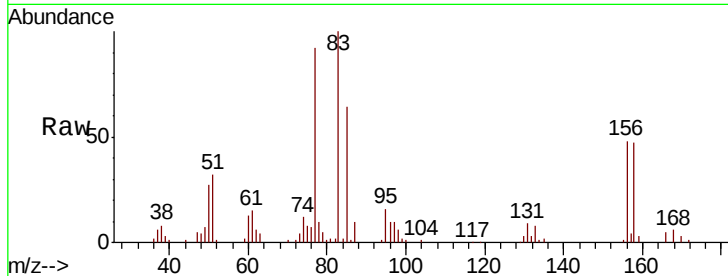
ClientSampleId :

VU0926WBS02

Tot Ion:	83	Resp:	44336
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.3	12.8
85	64.5	31.9	95.7

Manual Integrations
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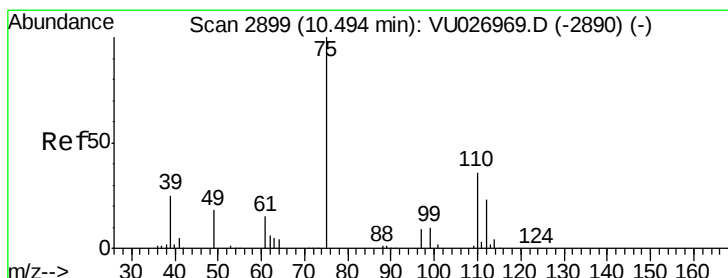
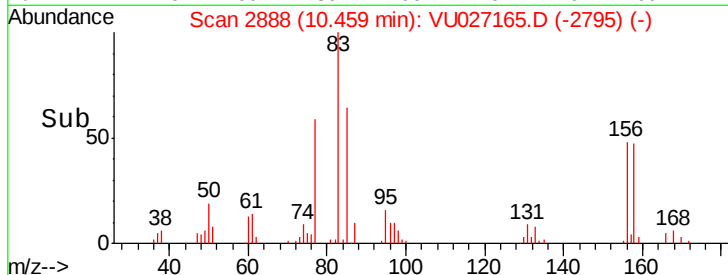
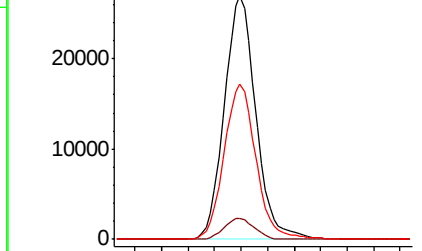
MMDadoda
9/27/2018 3:33:18 PM



Abundance Ion 82.90 (82.60 to 83.60): VU027165.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU027165.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU027165.D (-2875) (-)



#76

1,2,3-Trichloropropane

Concen: 20.829 ug/l m

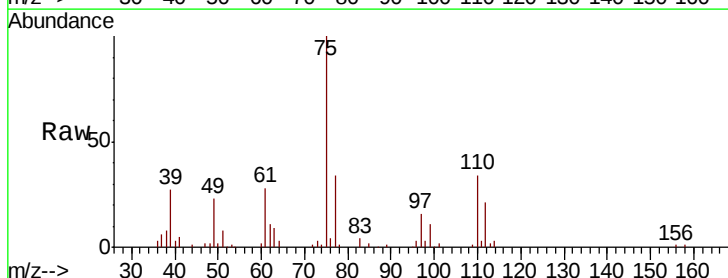
RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027165.D

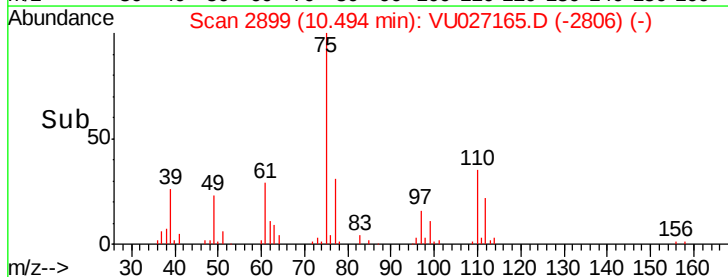
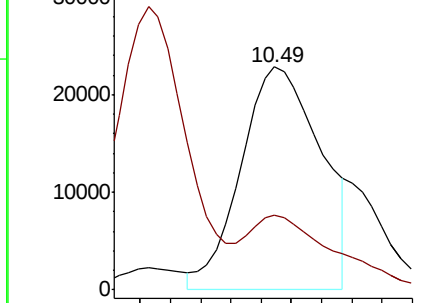
Acq: 26 Sep 2018 10:23

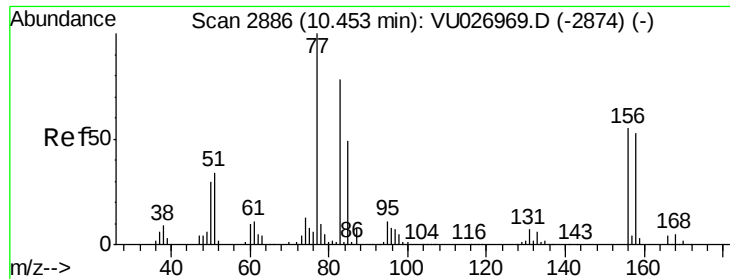
Tgt Ion:	75	Resp:	42258
Ion Ratio	Lower	Upper	
75	100		
77	36.3	20.9	62.8



Abundance Ion 74.90 (74.60 to 75.60): VU027165.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027165.D (-2890) (-)





#77

Bromobenzene

Concen: 19.528 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Instrument :

MSVOA_U

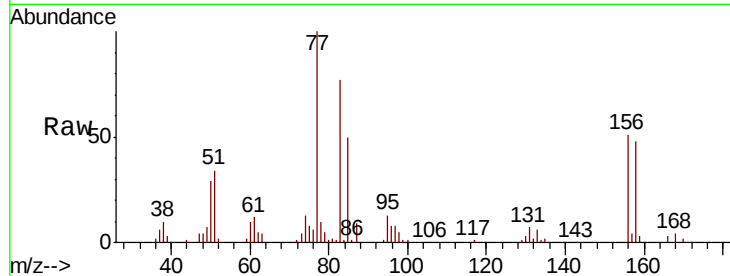
ClientSampleId :

VU0926WBS02

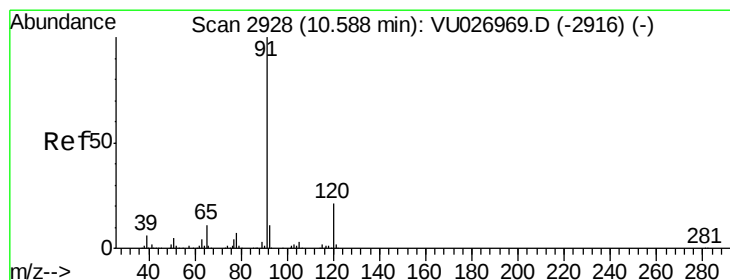
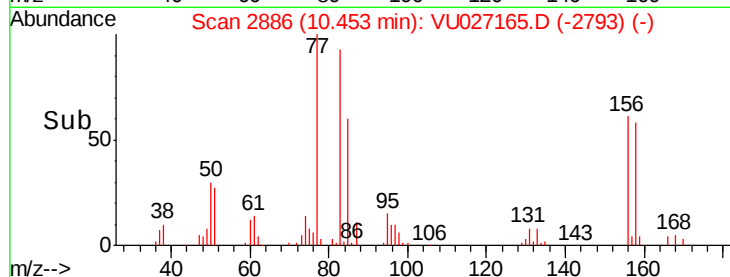
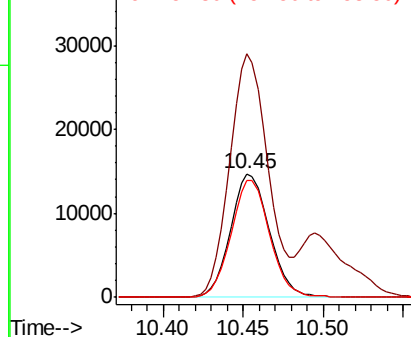
Tot Ion:	156	Resp:	24243
Ion	Ratio	Lower	Upper
156	100		
77	193.6	92.3	276.9
158	94.2	48.1	144.3

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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: 20.683 ug/l

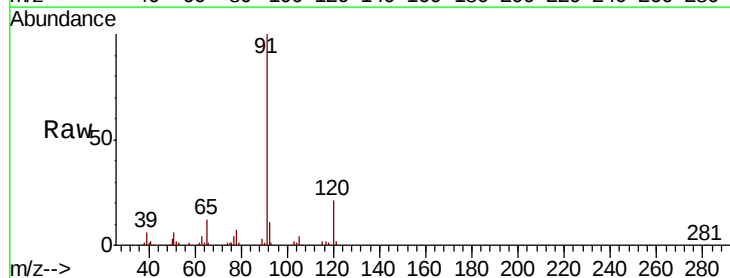
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

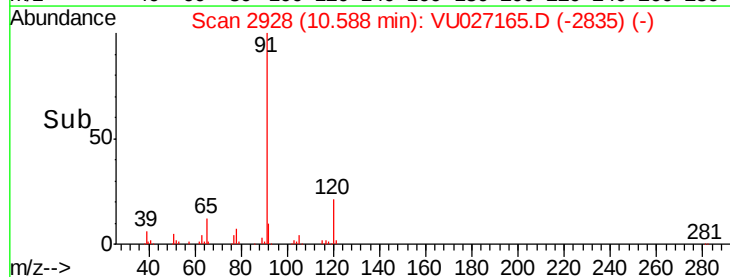
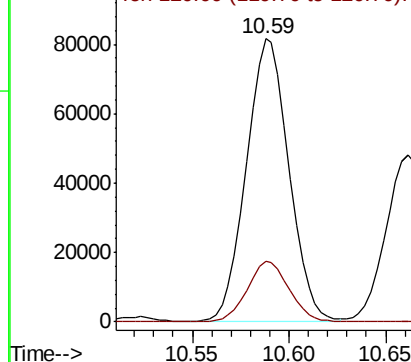
Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Tgt Ion:	91	Resp:	124327
Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





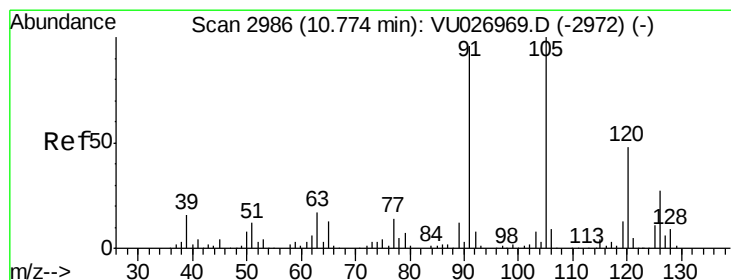
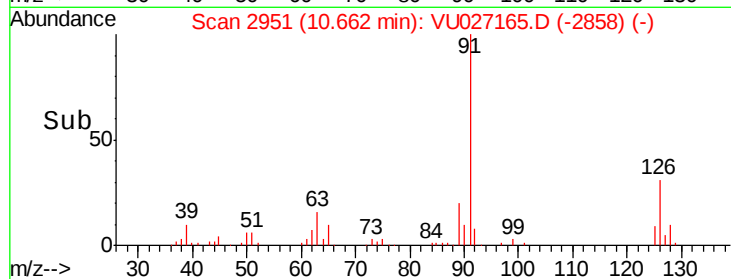
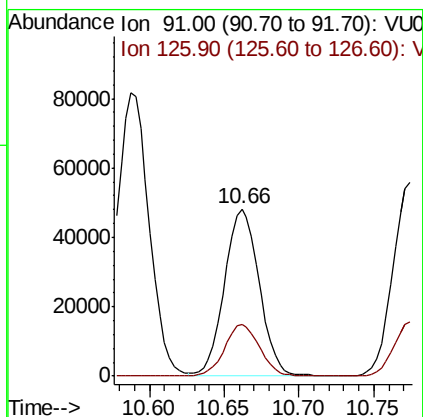
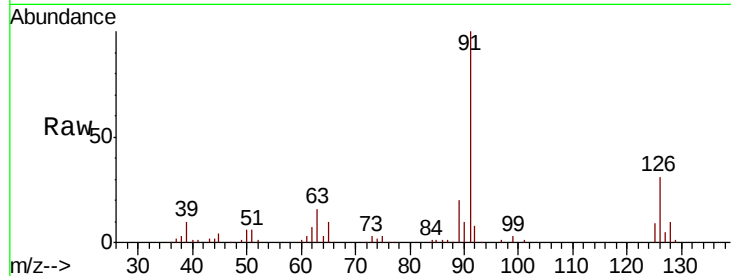
#79
 2-Chlorotoluene
 Concen: 20.517 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion: 91 Resp: 77466
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.8 47.3

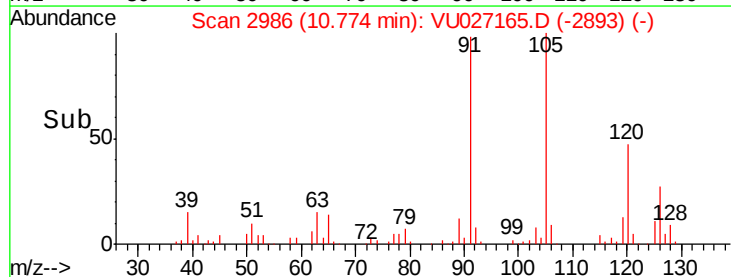
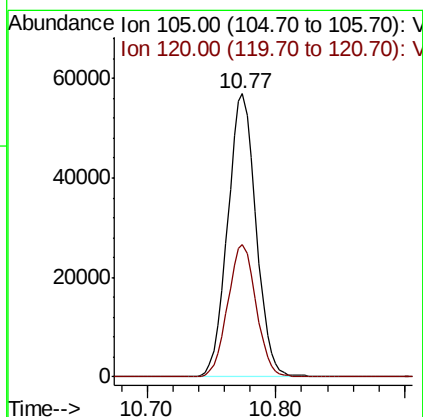
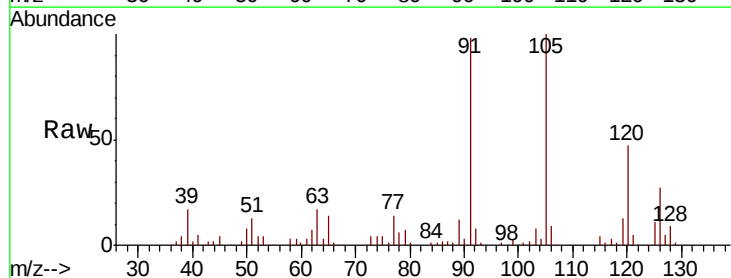
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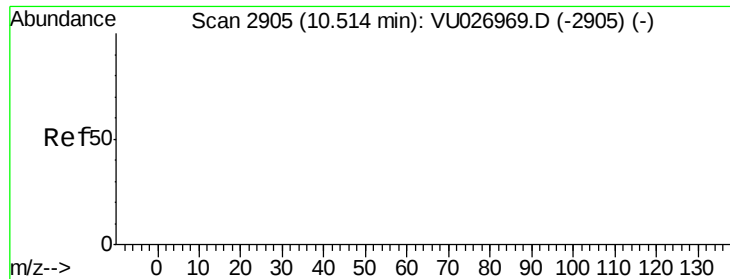
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.699 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion: 105 Resp: 86803
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.519 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

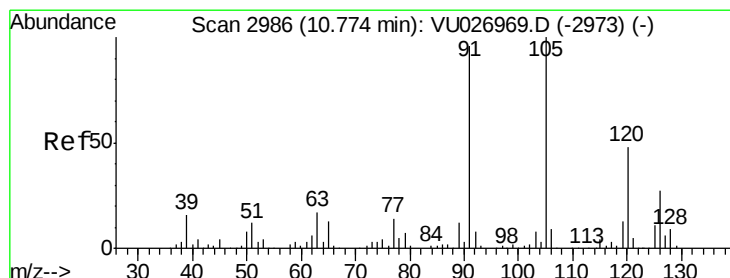
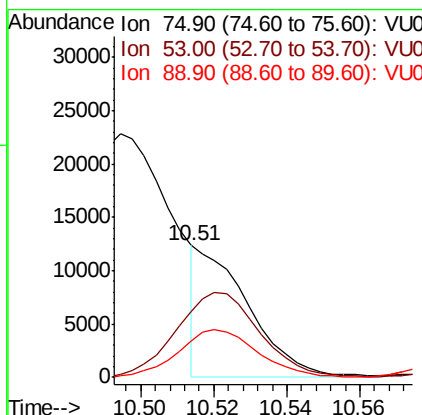
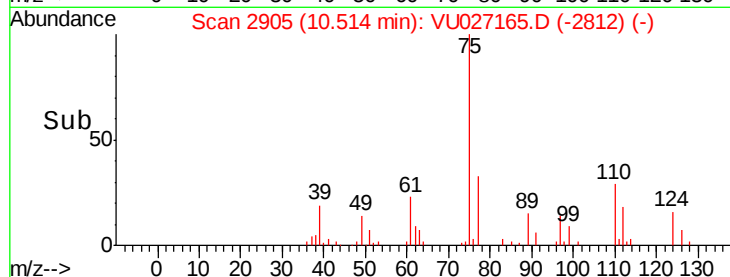
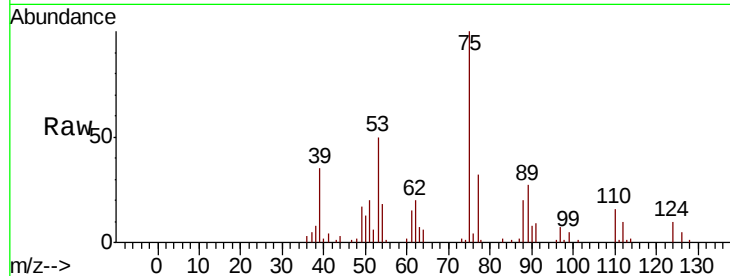
Instrument :
MSVOA_U

ClientSampleId :
VU0926WBS02

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: 20.270 ug/l

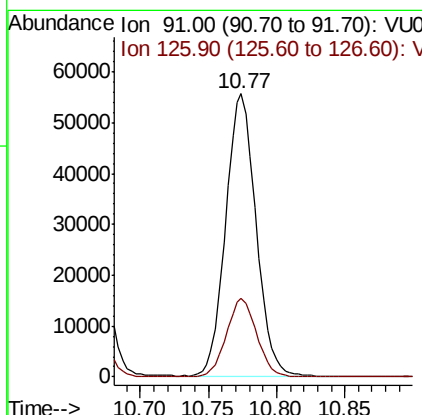
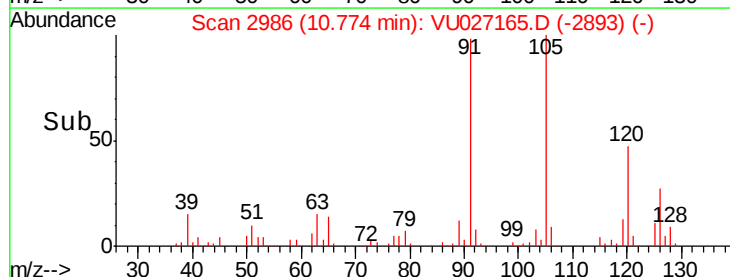
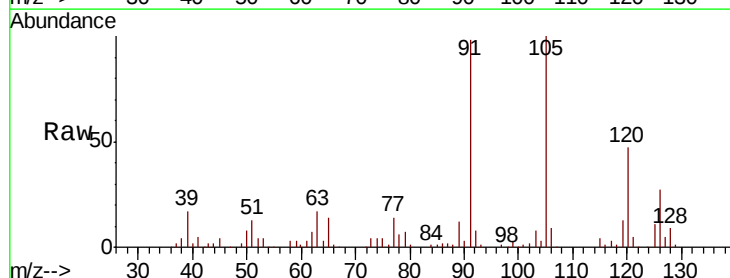
RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027165.D

Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.2





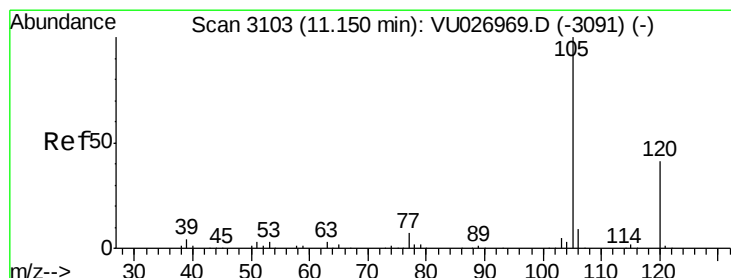
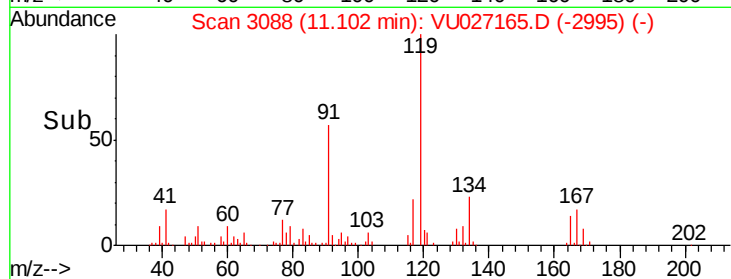
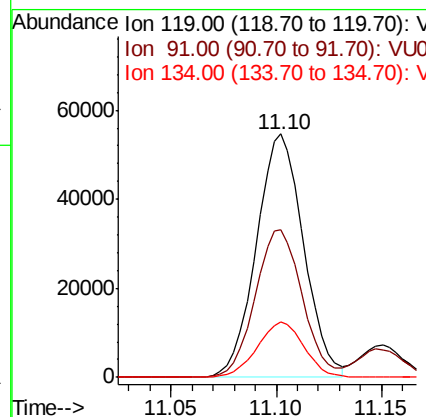
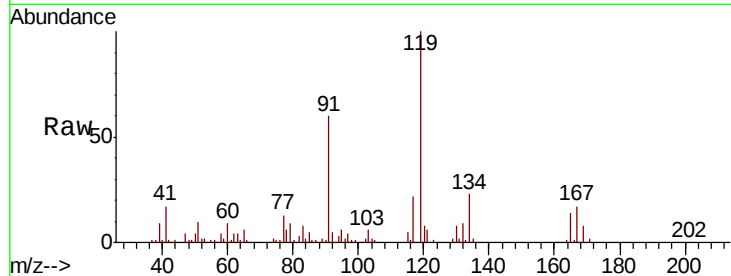
#83
tert-Butylbenzene
Concen: 20.513 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	29.8	89.4
134	22.4	11.5	34.4

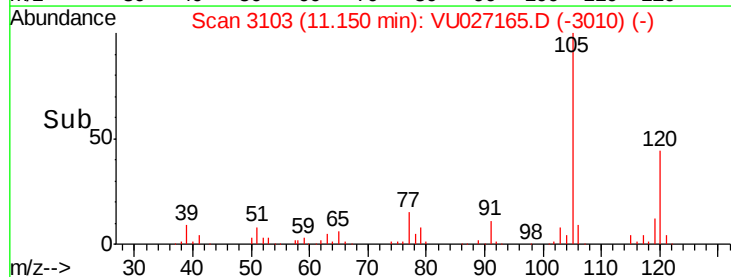
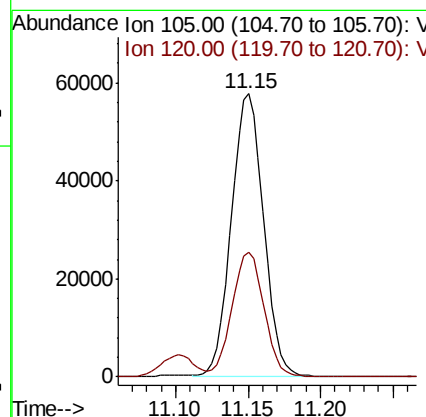
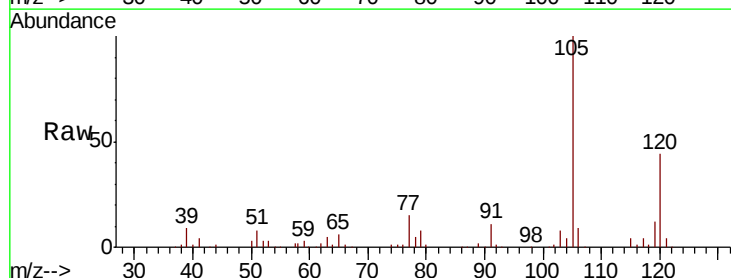
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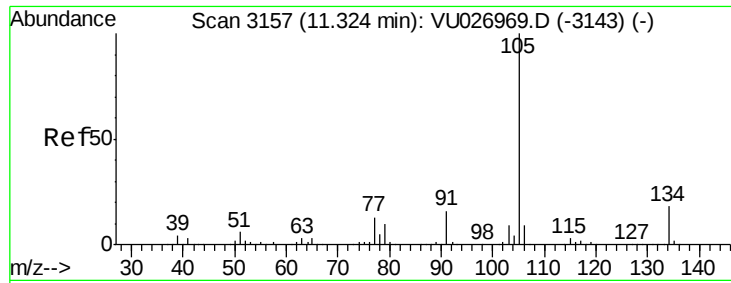
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#84
1,2,4-Trimethylbenzene
Concen: 20.960 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.4	67.2





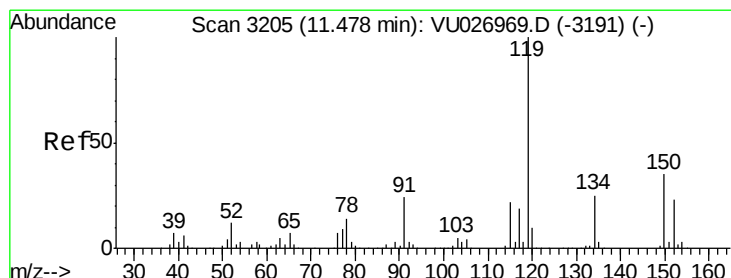
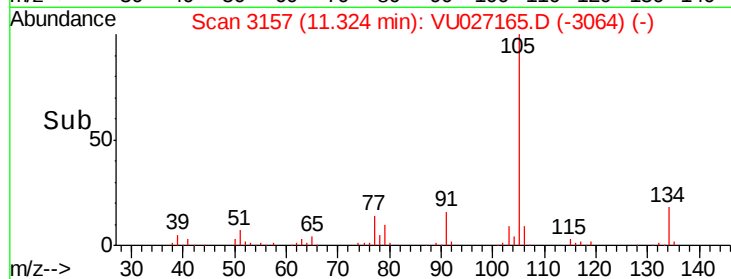
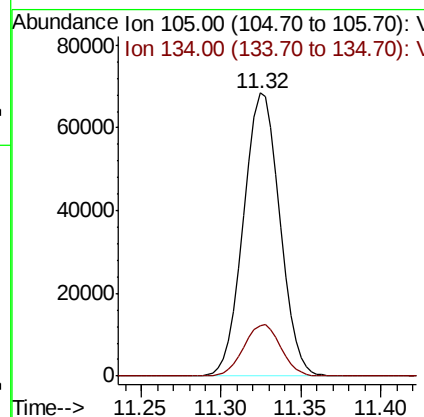
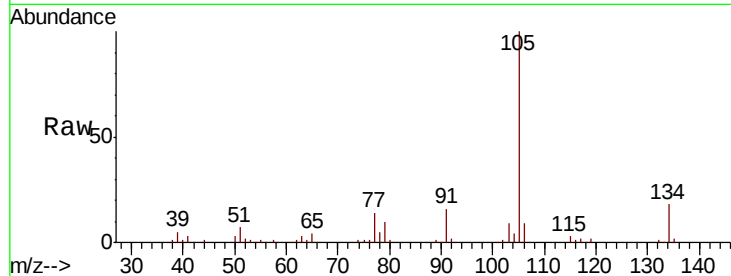
#85
 sec-Butylbenzene
 Concen: 20.881 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.4	28.2

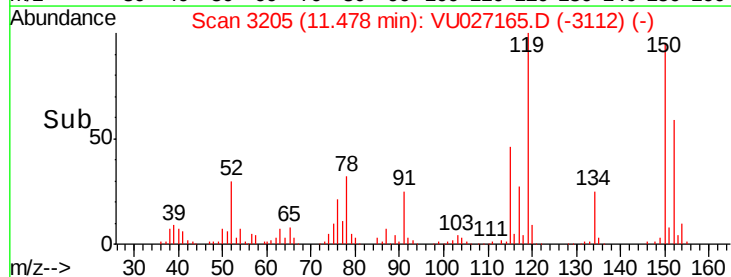
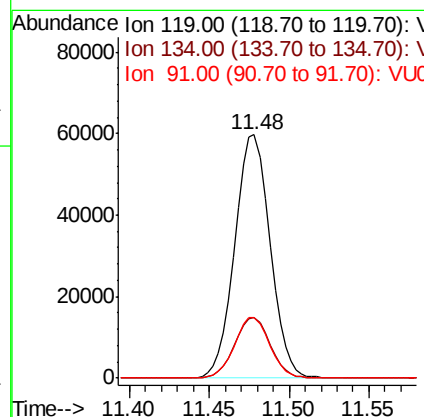
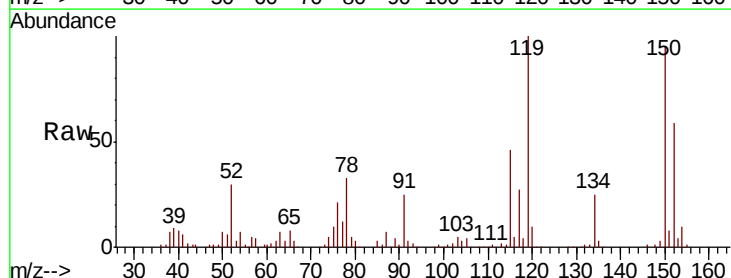
Manual Integrations
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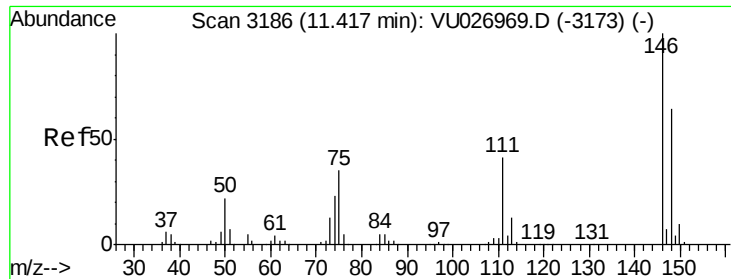
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#86
 p-Isopropyltoluene
 Concen: 19.520 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.8	38.3
91	24.8	12.3	36.8





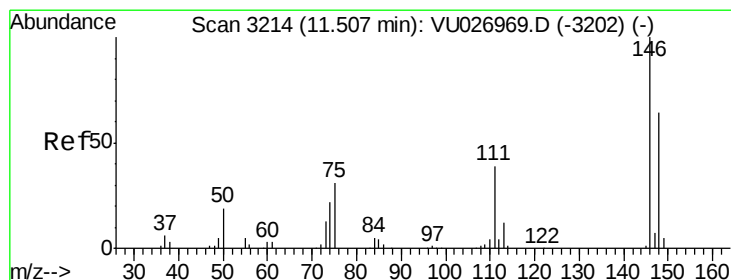
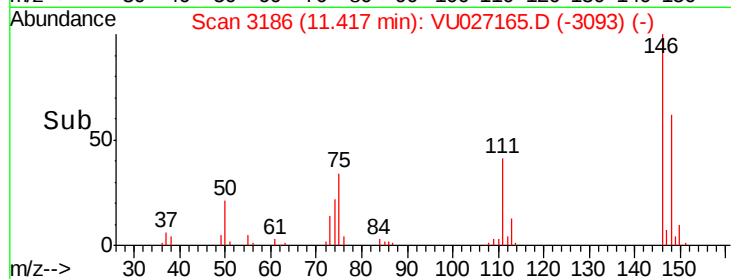
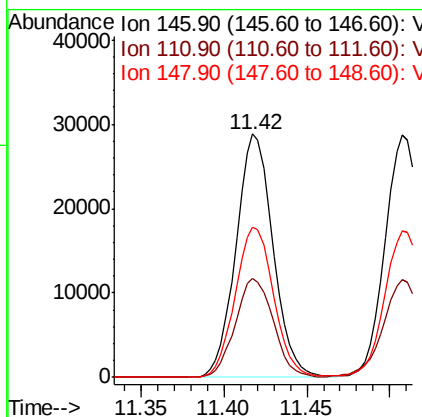
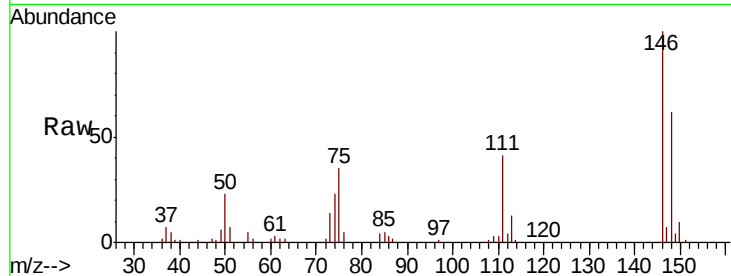
#87
 1,3-Dichlorobenzene
 Concen: 19.434 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.2
148	63.7	32.0	96.2

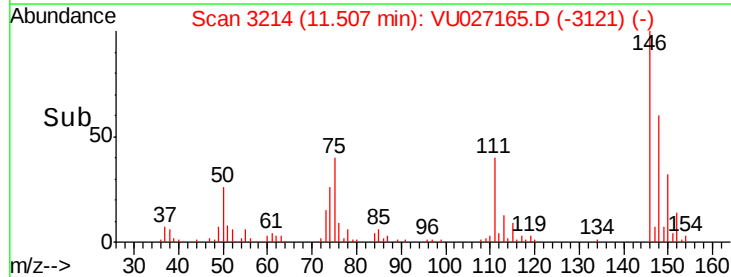
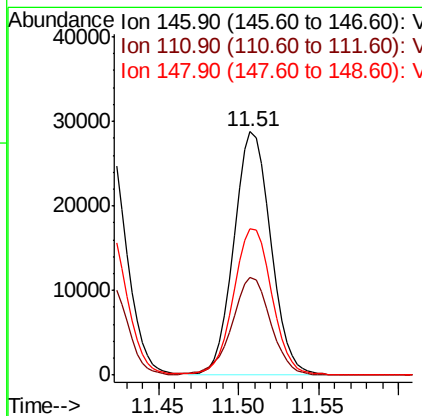
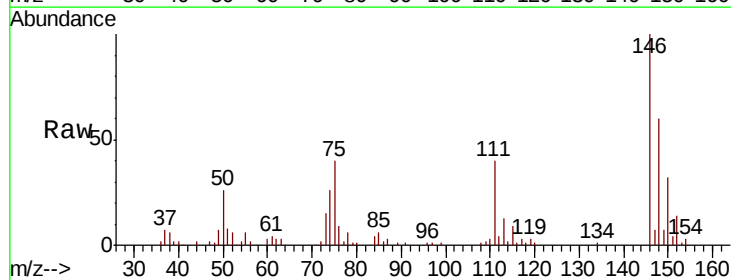
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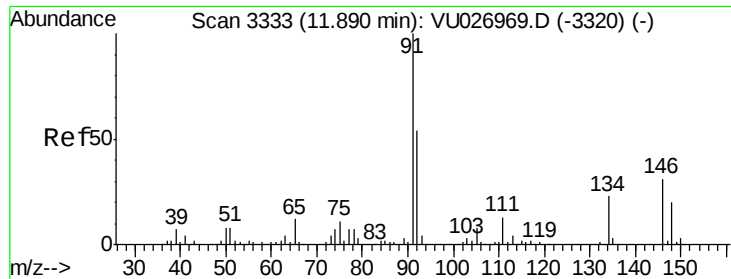
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#88
 1,4-Dichlorobenzene
 Concen: 17.963 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	60.9
148	62.8	31.9	95.9





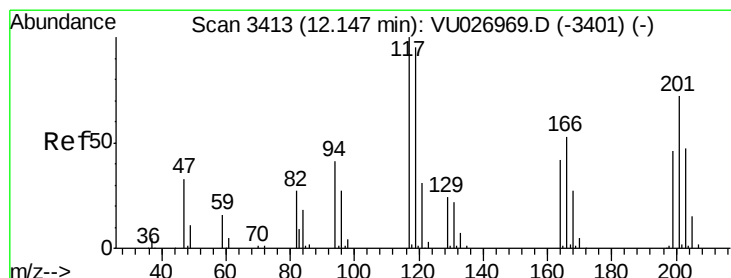
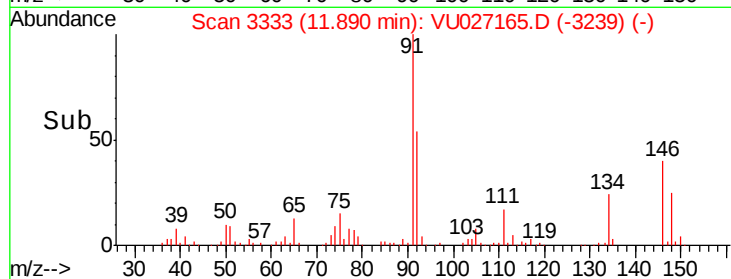
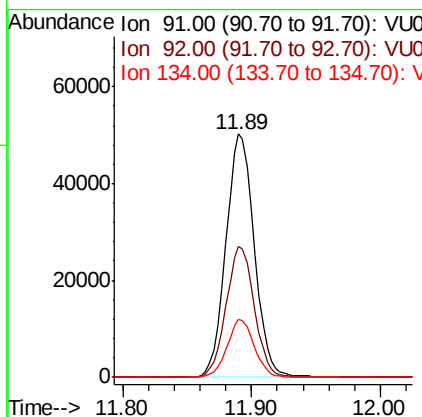
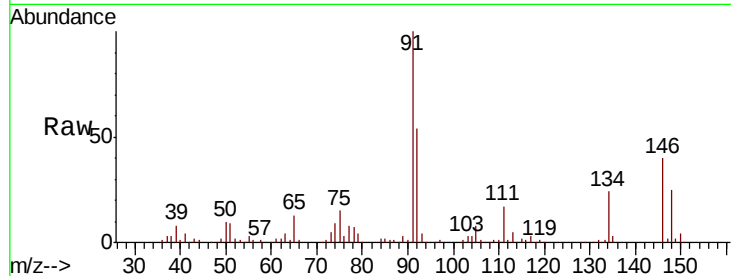
#89
n-Butylbenzene
Concen: 18.227 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.1	81.2
134	22.7	11.7	35.0

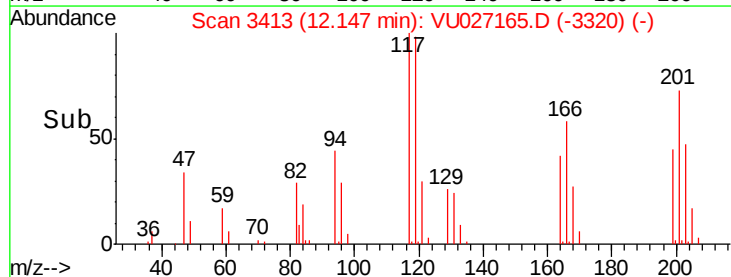
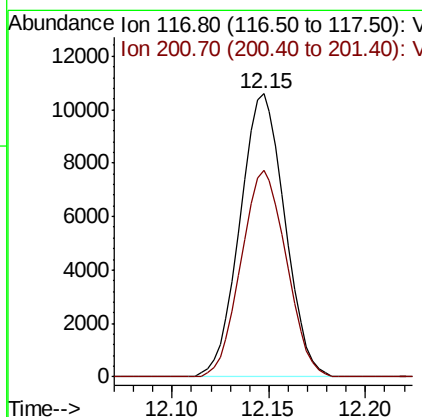
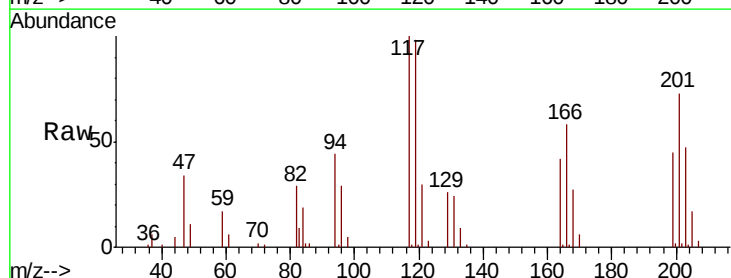
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#90
Hexachloroethane
Concen: 18.613 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	36.8	110.3





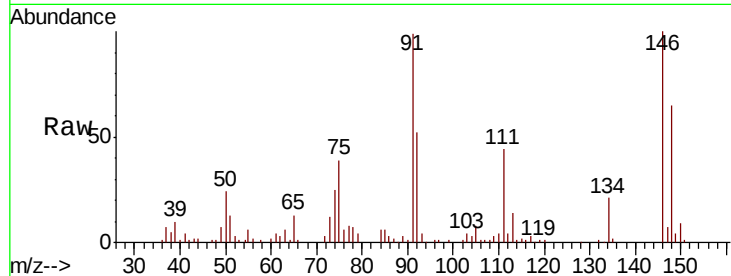
#91
 1,2-Dichlorobenzene
 Concen: 18.535 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.3
148	63.4	31.9	95.7

Manual Integrations
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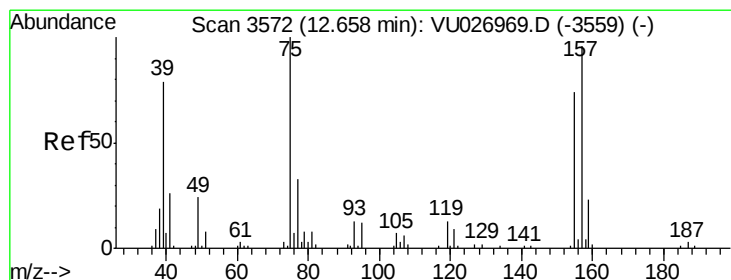
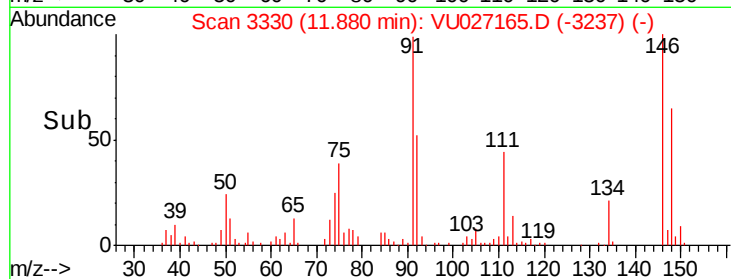
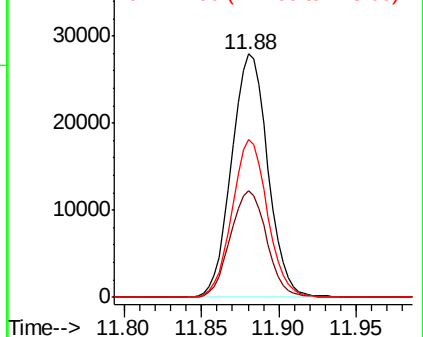


Abundance

Ion 145.90 (145.60 to 146.60): V

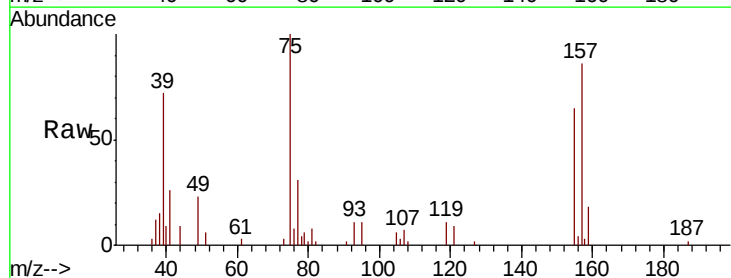
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.859 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	65.3	36.6	109.8
157	83.6	47.4	142.2

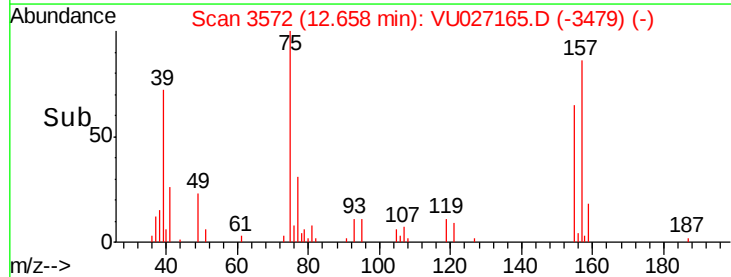
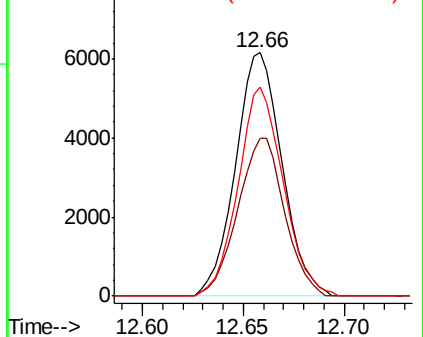


Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





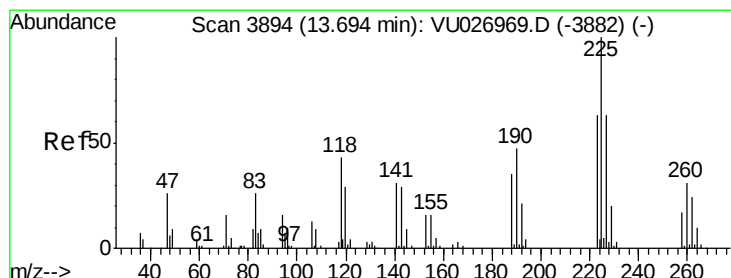
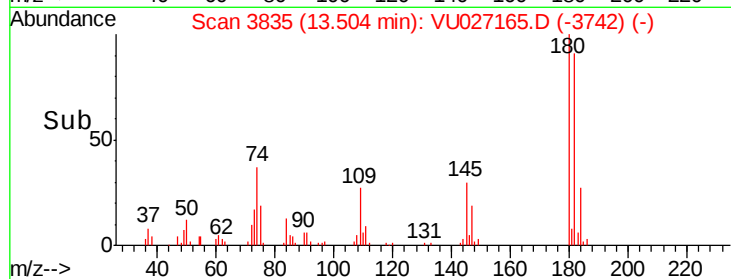
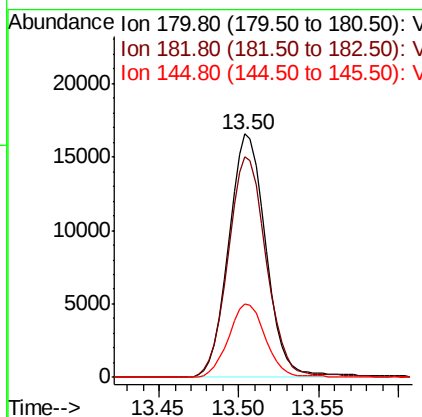
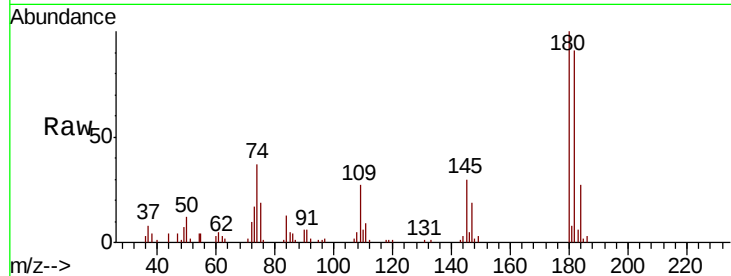
#93
 1,2,4-Trichlorobenzene
 Concen: 18.528 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.2
145	30.1	14.9	44.5

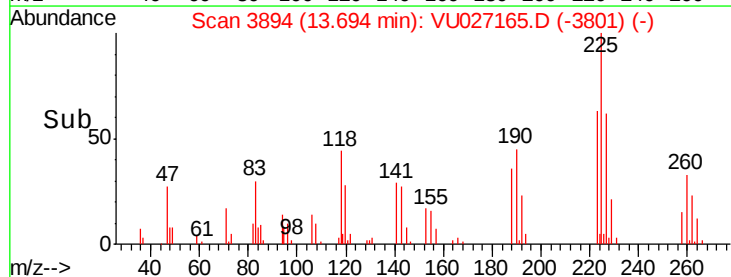
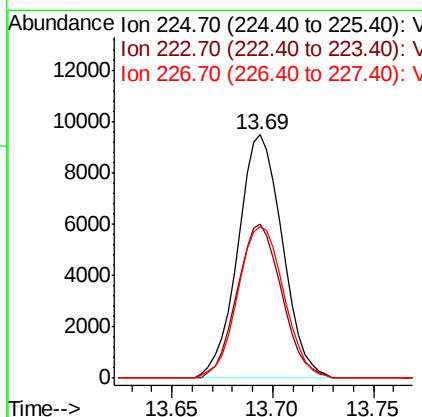
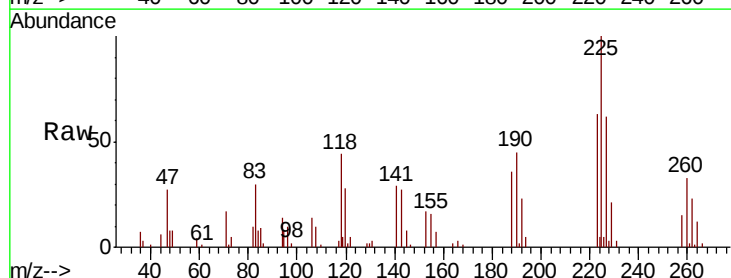
Manual Integrations
 APPROVED

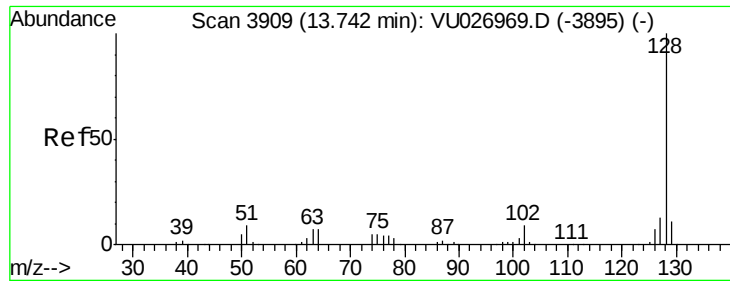
MMDadoda
 9/27/2018 3:33:18 PM



#94
 Hexachlorobutadiene
 Concen: 19.608 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027165.D
 Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	64.6	32.1	96.5





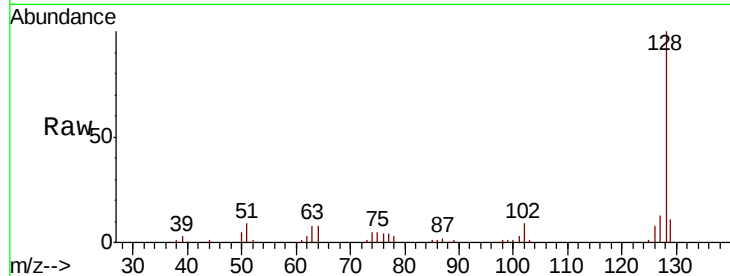
#95
Naphthalene
Concen: 17.489 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Instrument :
MSVOA_U
ClientSampleId :
VU0926WBS02

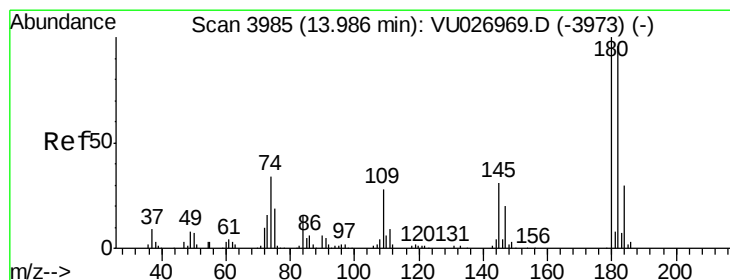
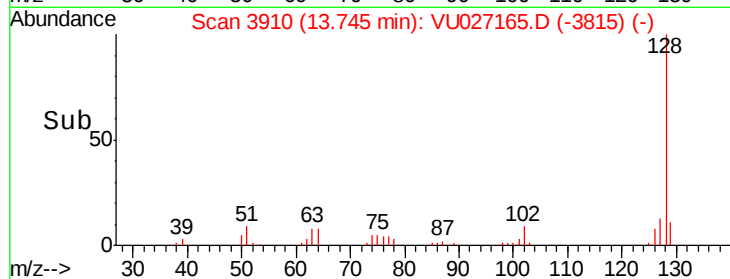
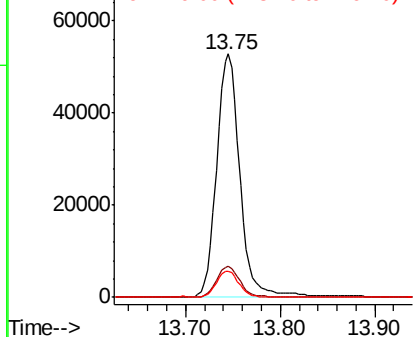
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:33:18 PM

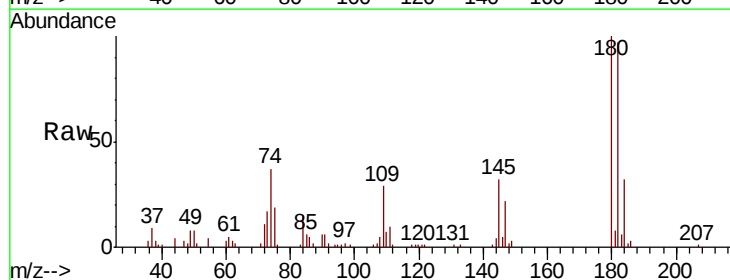


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.666 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027165.D
Acq: 26 Sep 2018 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.5
145	31.8	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

