

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027095.D
 Acq On : 24 Sep 2018 09:57
 Operator : MD/SY
 Sample : VU0924WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:13 AM

Quant Time: Sep 25 01:46:00 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	84129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	143399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72840	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	83121	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	4.88	113	57446	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	
50) Toluene-d8	7.57	98	224691	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	10.31	95	79230	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	19188	17.469	ug/l	98
3) Chloromethane	1.33	50	32783	17.311	ug/l	99
4) Vinyl Chloride	1.40	62	31148	17.620	ug/l	99
5) Bromomethane	1.62	94	17633	17.516	ug/l	98
6) Chloroethane	1.70	64	20435	18.092	ug/l	98
7) Trichlorofluoromethane	1.89	101	36698	18.278	ug/l	100
8) Diethyl Ether	2.11	74	17810	18.429	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21761	17.627	ug/l	97
10) Methyl Iodide	2.41	142	20948	13.682	ug/l	98
11) Tert butyl alcohol	2.82	59	36019	92.808	ug/l	100
12) 1,1-Dichloroethene	2.29	96	20769	17.874	ug/l	99
13) Acrolein	2.19	56	18671	89.244	ug/l	96
14) Allyl chloride	2.59	41	48121	20.419	ug/l	98
15) Acrylonitrile	2.93	53	91327	93.366	ug/l	99
16) Acetone	2.32	43	101057	102.573	ug/l	98
17) Carbon Disulfide	2.48	76	67178	17.747	ug/l	100
18) Methyl Acetate	2.61	43	47752	19.814	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	83428	19.539	ug/l	98
20) Methylene Chloride	2.70	84	26483	17.464	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	23357	18.828	ug/l	98
22) Diisopropyl ether	3.57	45	106203	21.069	ug/l	98
23) Vinyl Acetate	3.52	43	438678	102.092	ug/l	99
24) 1,1-Dichloroethane	3.45	63	53939	19.429	ug/l	98
25) 2-Butanone	4.26	43	136988	96.269	ug/l	98
26) 2,2-Dichloropropane	4.22	77	42625	19.687	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	26812	19.138	ug/l	96
28) Bromochloromethane	4.55	49	29724	22.210	ug/l	94
29) Tetrahydrofuran	4.64	42	85284	99.075	ug/l	97
30) Chloroform	4.68	83	48463	18.806	ug/l	96
31) Cyclohexane	5.00	56	50141	19.518	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	40091	19.485	ug/l	97
36) 1,1-Dichloropropene	5.14	75	35397	18.495	ug/l	98
37) Ethyl Acetate	4.38	43	46830	18.075	ug/l	97
38) Carbon Tetrachloride	5.13	117	33903	18.615	ug/l	99

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Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:13 AM

Quant Time: Sep 25 01:46:00 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)
39) Methylcyclohexane	6.42	83	40495	19.471	ug/l	98
40) Benzene	5.39	78	108837	18.707	ug/l	99
41) Methacrylonitrile	4.54	41	27234	20.240	ug/l	96
42) 1,2-Dichloroethane	5.40	62	41819	19.025	ug/l	100
43) Isopropyl Acetate	5.55	43	73742	19.517	ug/l	99
44) Trichloroethene	6.19	130	23576	19.034	ug/l	100
45) 1,2-Dichloropropane	6.43	63	32023	19.317	ug/l	98
46) Dibromomethane	6.56	93	18523	18.501	ug/l	99
47) Bromodichloromethane	6.76	83	37986	18.764	ug/l	96
48) Methyl methacrylate	6.62	41	36263	18.288	ug/l	99
49) 1,4-Dioxane	6.61	88	13967	340.844	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	250086	98.413	ug/l	98
52) Toluene	7.64	92	64976	19.484	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	42527	19.552	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	46773	19.557	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	26604	18.827	ug/l	98
56) Ethyl methacrylate	8.02	69	40620	18.034	ug/l	96
57) 1,3-Dichloropropane	8.24	76	51094	19.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	124098	92.313	ug/l	99
59) 2-Hexanone	8.36	43	191173	96.106	ug/l	98
60) Dibromochloromethane	8.48	129	25499	18.397	ug/l	96
61) 1,2-Dibromoethane	8.59	107	26971	18.344	ug/l	99
64) Tetrachloroethene	8.23	164	19296	18.149	ug/l	98
65) Chlorobenzene	9.12	112	65826	17.993	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	24059	19.093	ug/l	98
67) Ethyl Benzene	9.25	91	117259	19.492	ug/l	100
68) m/p-Xylenes	9.38	106	86784	36.588	ug/l	98
69) o-Xylene	9.78	106	41074	19.270	ug/l	97
70) Styrene	9.79	104	67885	18.250	ug/l	99
71) Bromoform	9.96	173	17871	18.340	ug/l #	100
73) Isopropylbenzene	10.17	105	112224	20.254	ug/l	99
74) N-amyl acetate	10.02	43	63301	19.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	45391	17.818	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42338m	19.133	ug/l	
77) Bromobenzene	10.45	156	25149	18.574	ug/l	92
78) n-propylbenzene	10.59	91	136136	20.765	ug/l	98
79) 2-Chlorotoluene	10.66	91	83045	20.166	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	94421	20.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	15051m	21.766	ug/l	
82) 4-Chlorotoluene	10.77	91	95033	20.581	ug/l	97
83) tert-Butylbenzene	11.10	119	90623	20.041	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	96130	20.652	ug/l	100
85) sec-Butylbenzene	11.32	105	112434	20.369	ug/l	99
86) p-Isopropyltoluene	11.48	119	95270	18.980	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	46932	18.626	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	48753	17.753	ug/l	99
89) n-Butylbenzene	11.89	91	83796	18.283	ug/l	100
90) Hexachloroethane	12.14	117	18747	18.676	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	48000	17.934	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9911	19.070	ug/l	92

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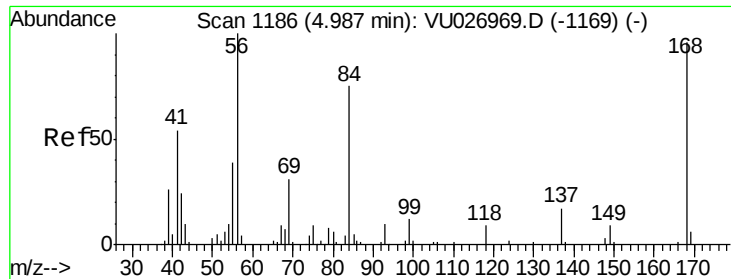
Manual Integrations
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9/25/2018 11:34:13 AM

Quant Time: Sep 25 01:46:00 2018
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	27606	17.898	ug/l	98
94) Hexachlorobutadiene	13.69	225	15563	19.070	ug/l	98
95) Naphthalene	13.74	128	95558	17.000	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	29617	17.906	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: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion:168 Resp: 84129

Ion Ratio Lower Upper

168 100

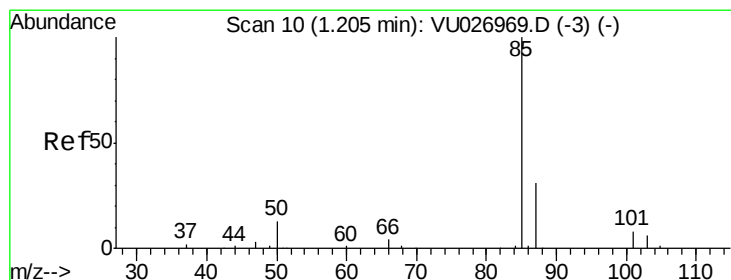
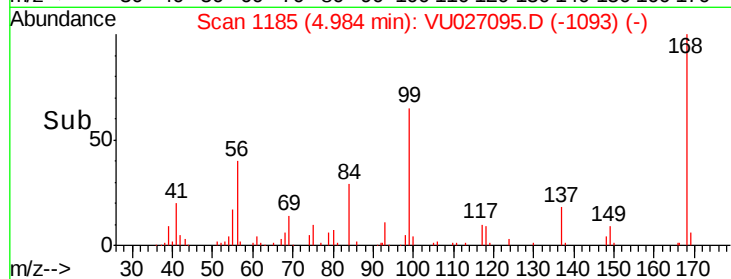
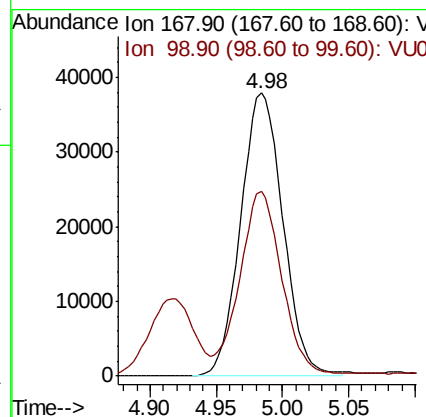
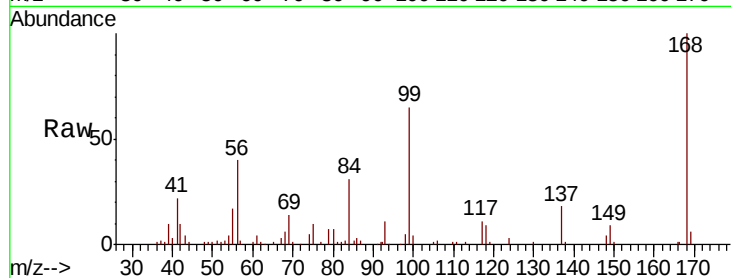
99 64.6 48.1 72.1

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#2

Dichlorodifluoromethane

Concen: 17.469 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027095.D

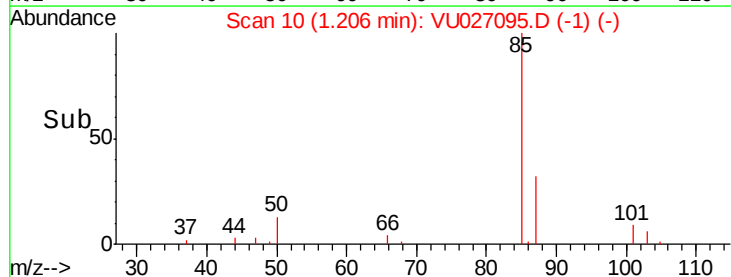
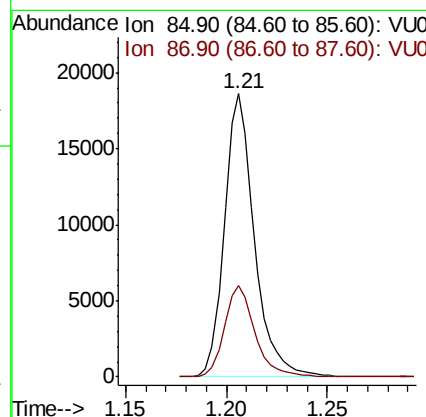
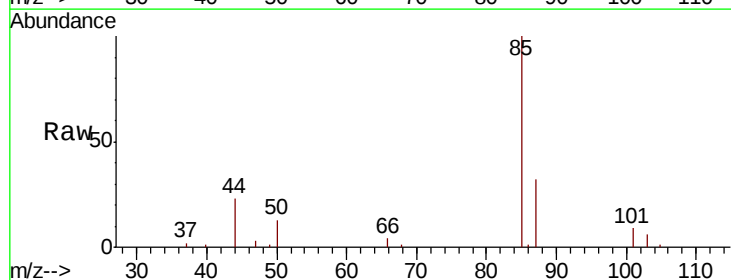
Acq: 24 Sep 2018 09:57

Tgt Ion: 85 Resp: 19188

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.7





#3

Chloromethane

Concen: 17.311 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion: 50 Resp: 32783

Ion Ratio Lower Upper

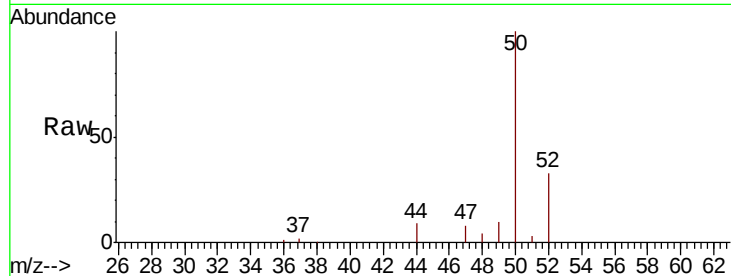
50 100

52 33.1 25.9 38.9

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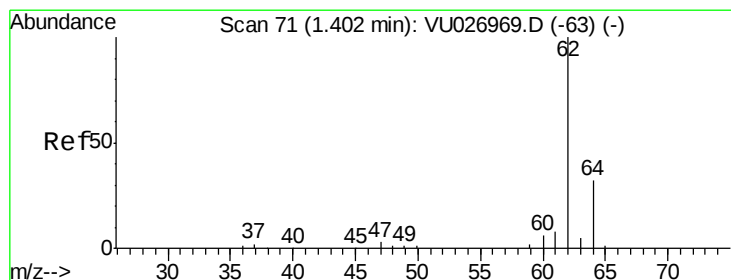
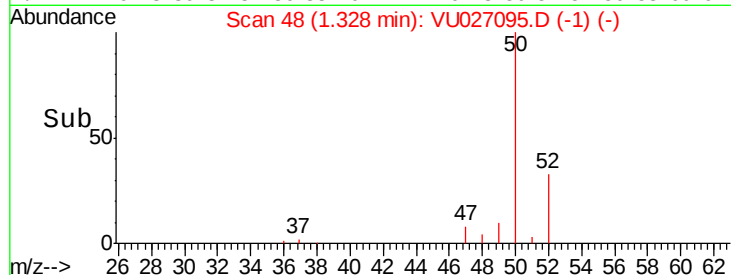
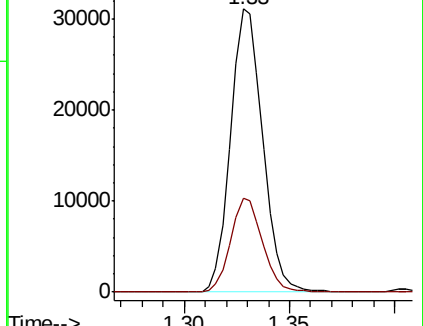
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Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)



#4

Vinyl Chloride

Concen: 17.620 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027095.D

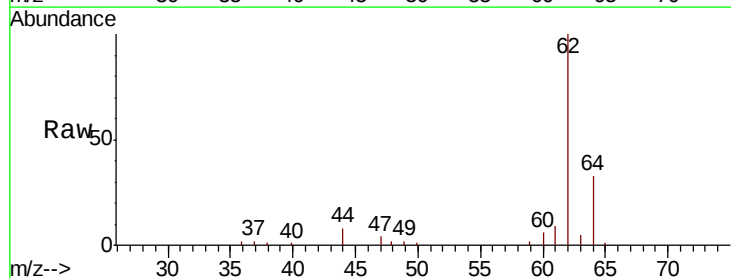
Acq: 24 Sep 2018 09:57

Tgt Ion: 62 Resp: 31148

Ion Ratio Lower Upper

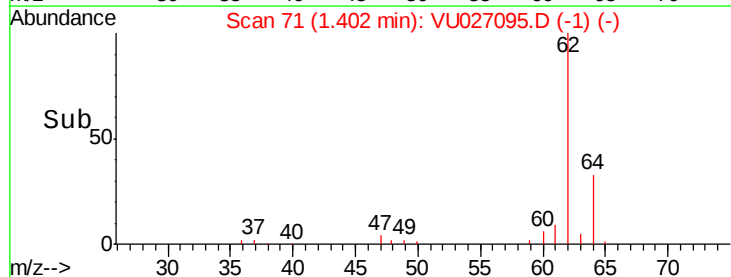
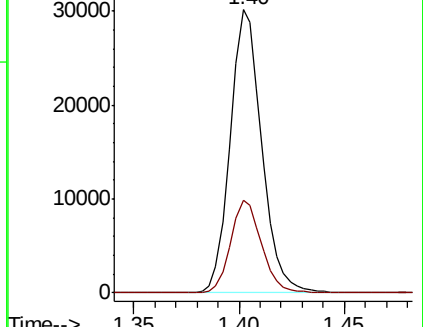
62 100

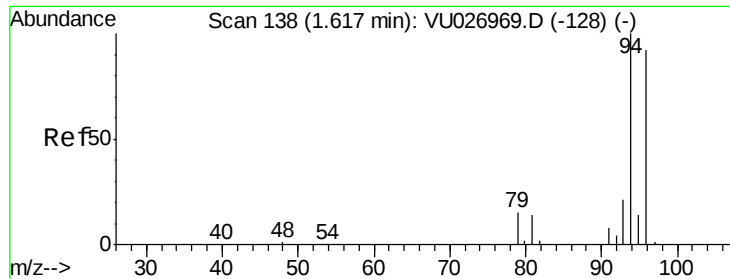
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)





#5

Bromomethane

Concen: 17.516 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion: 94 Resp: 17633

Ion Ratio Lower Upper

94 100

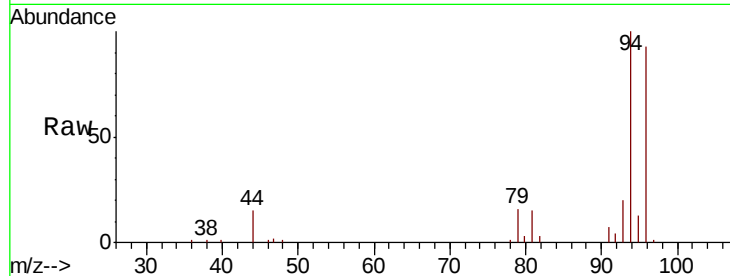
96 93.3 73.2 109.8

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

15000

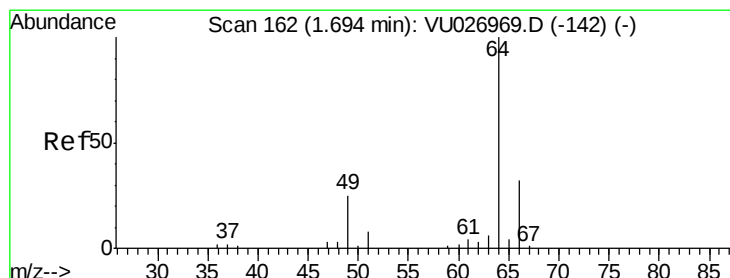
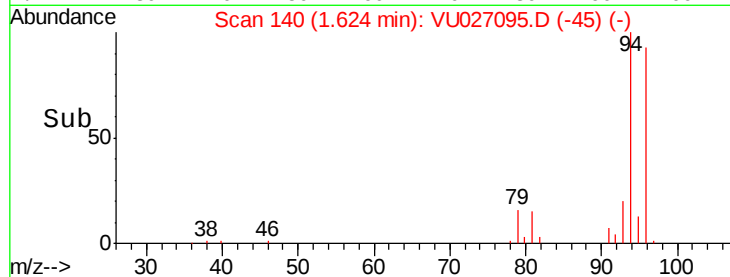
10000

5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 18.092 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027095.D

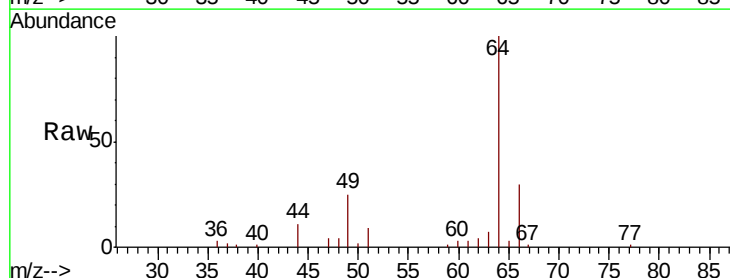
Acq: 24 Sep 2018 09:57

Tgt Ion: 64 Resp: 20435

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

15000

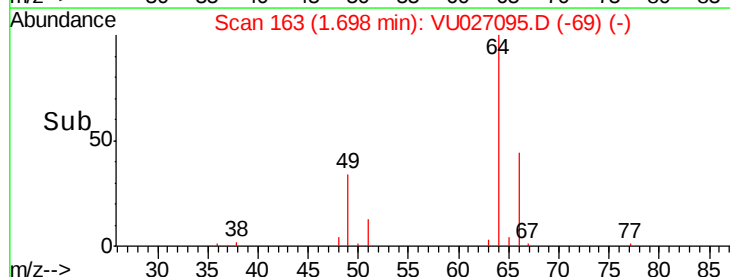
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5000

0

1.65 1.70 1.75

Time-->





#7

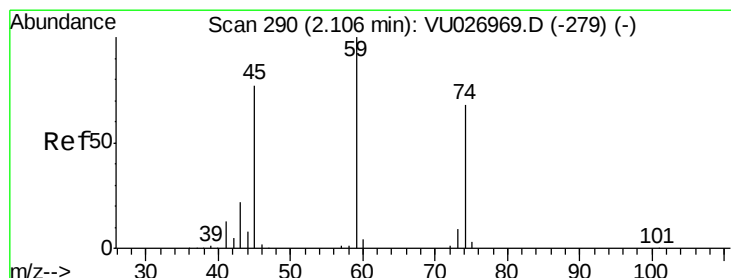
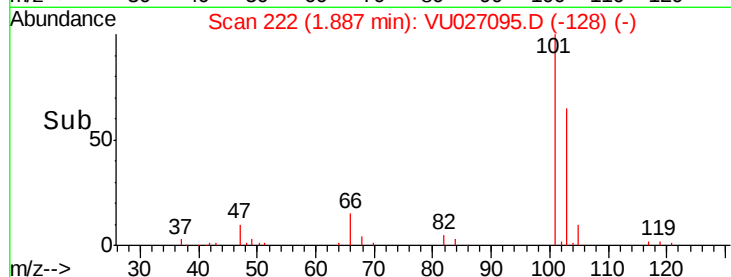
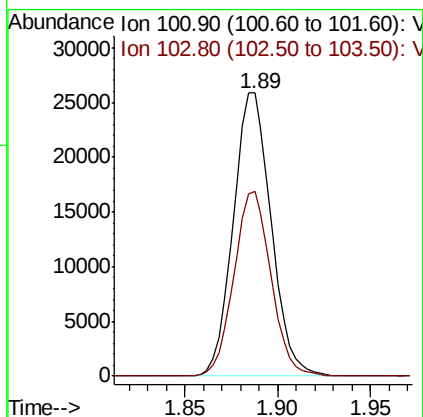
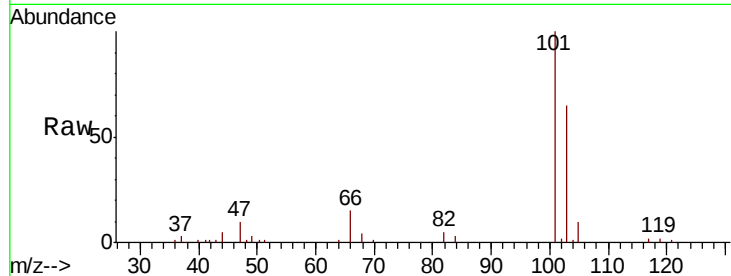
Trichlorofluoromethane
 Concen: 18.278 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
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 ClientSampleId :
 VU0924WBS01

Tot Ion:101 Resp: 36698
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.2 78.2

Manual Integrations
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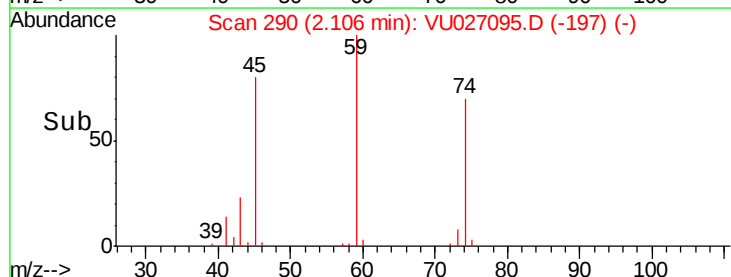
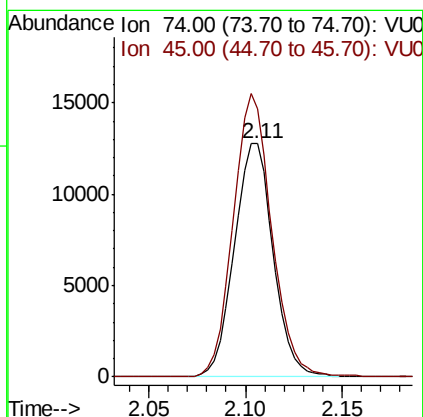
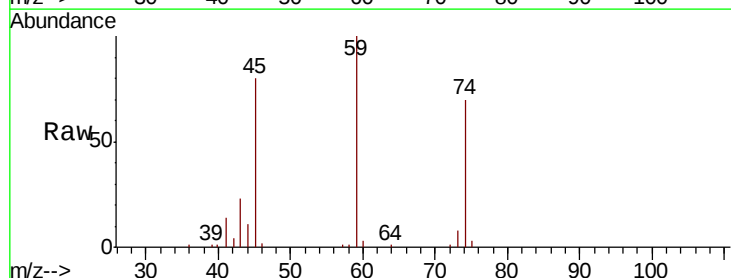
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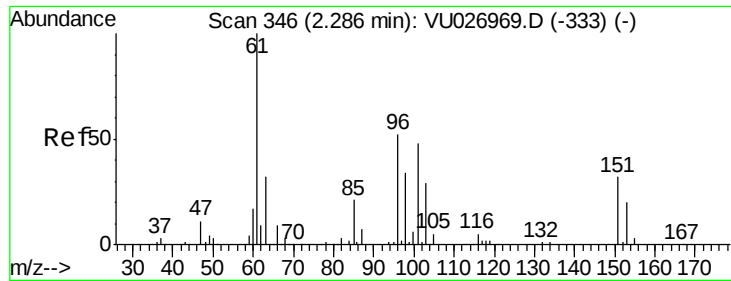


#8

Diethyl Ether
 Concen: 18.429 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion: 74 Resp: 17810
 Ion Ratio Lower Upper
 74 100
 45 120.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.627 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

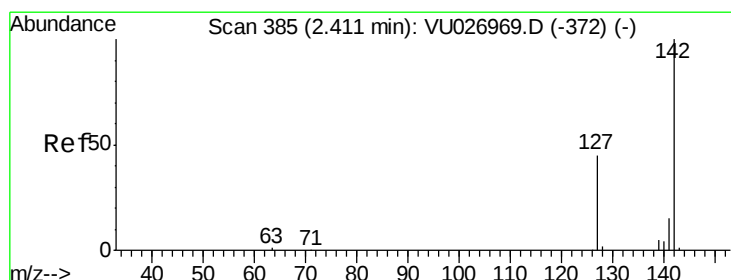
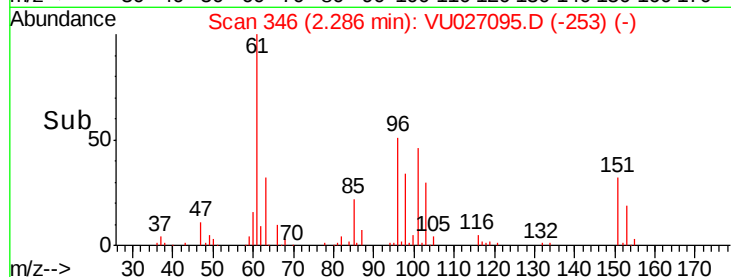
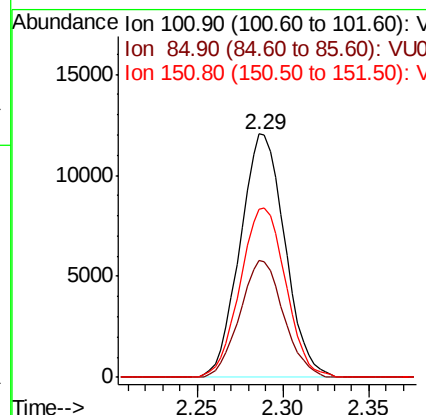
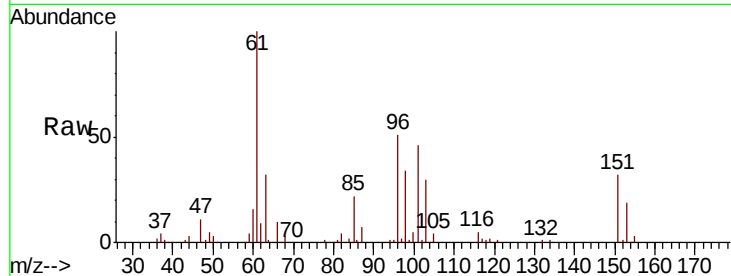
ClientSampleId :

VU0924WBS01

Tot Ion:	101	Resp:	21761
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.2	54.2
151	70.6	54.5	81.7

Manual Integrations
APPROVED

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9/25/2018 11:34:13 AM



#10

Methyl Iodide

Concen: 13.682 ug/l

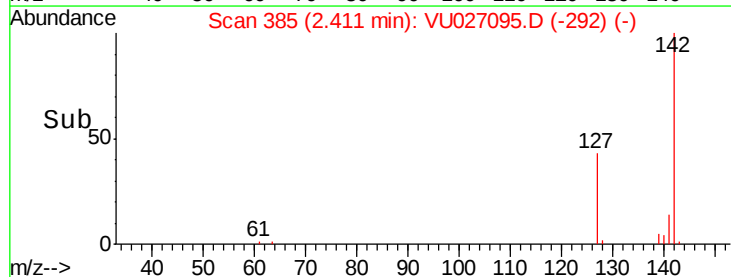
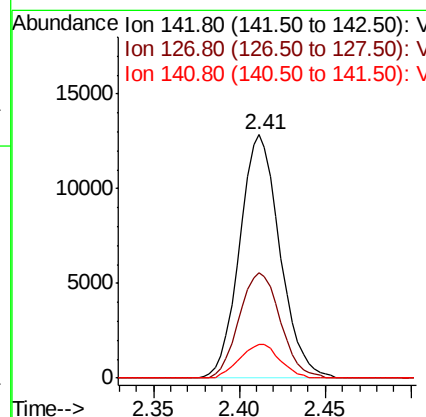
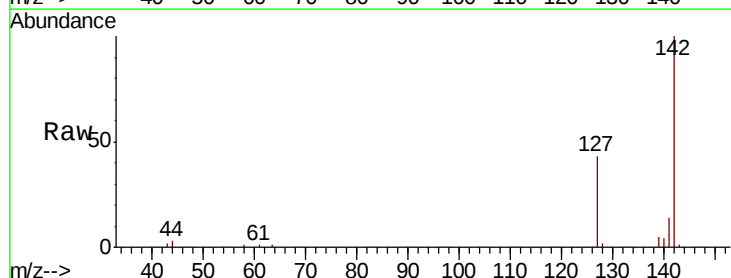
RT: 2.41 min Scan# 385

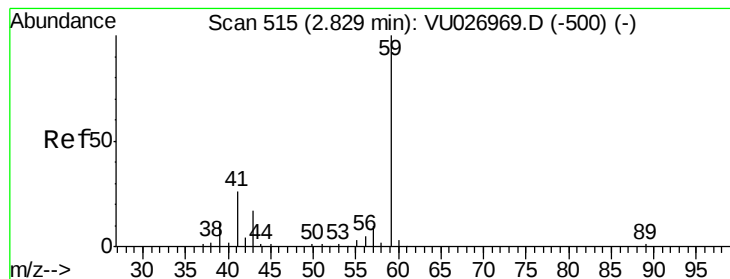
Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	142	Resp:	20948
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.7	55.1
141	13.9	11.8	17.6





#11

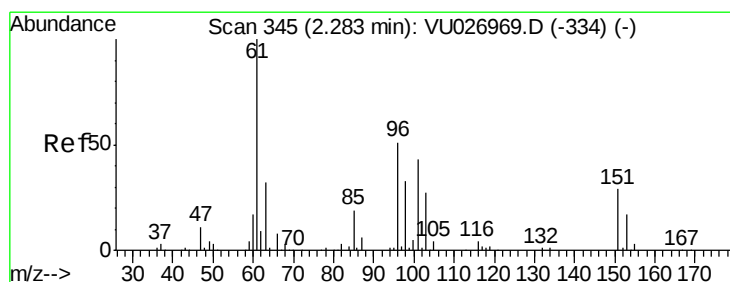
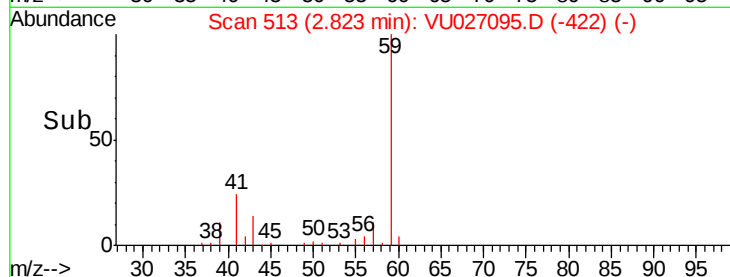
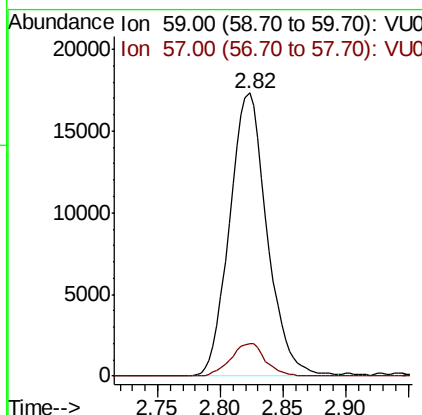
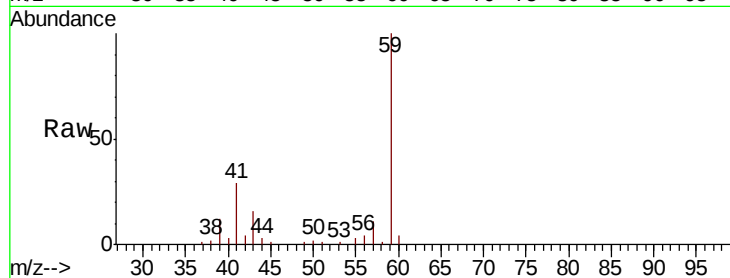
Tert butyl alcohol
Concen: 92.808 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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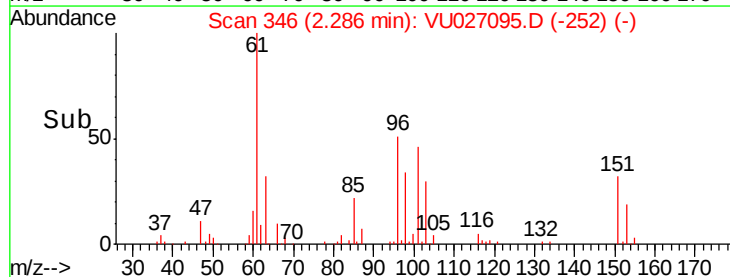
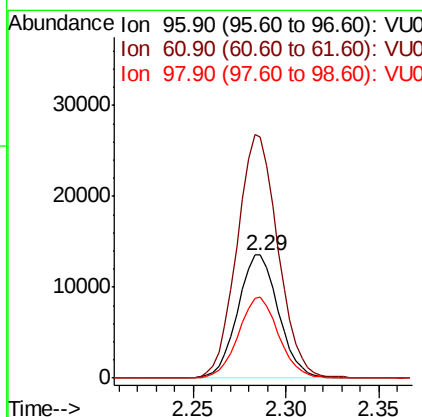
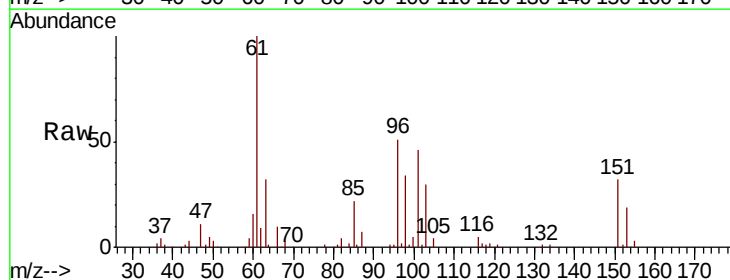
MMDadoda
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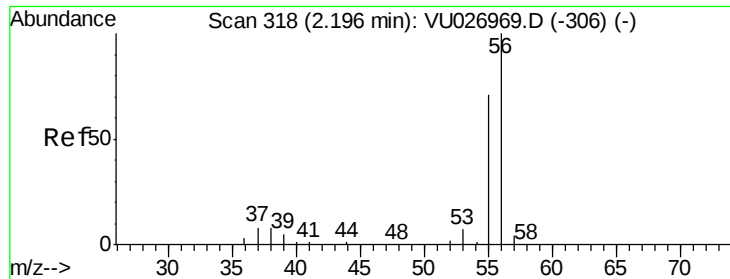


#12

1,1-Dichloroethene
Concen: 17.874 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.3	156.1	234.1
98	65.9	51.4	77.0





#13

Acrolein

Concen: 89.244 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampled :

VU0924WBS01

Tot Ion: 56 Resp: 18671

Ion Ratio Lower Upper

56 100

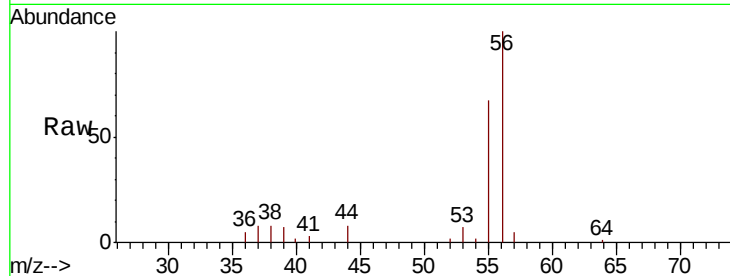
55 67.8 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

15000

10000

5000

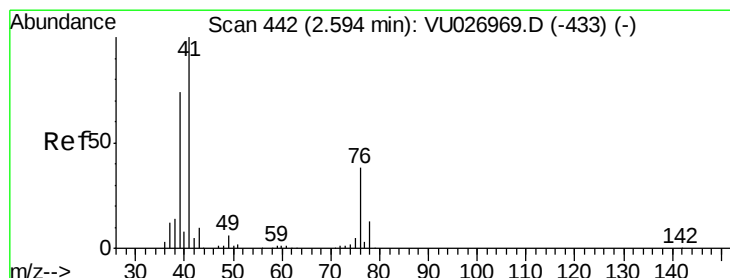
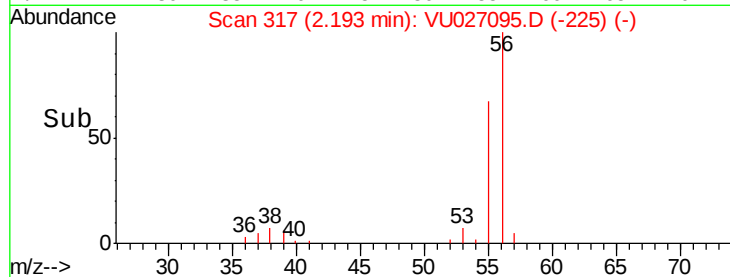
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 20.419 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

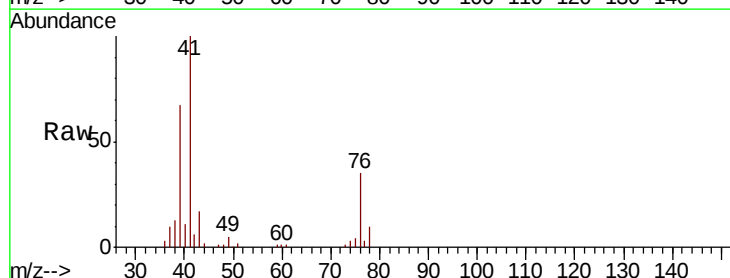
Tgt Ion: 41 Resp: 48121

Ion Ratio Lower Upper

41 100

39 67.0 55.7 83.5

76 32.5 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

30000

20000

10000

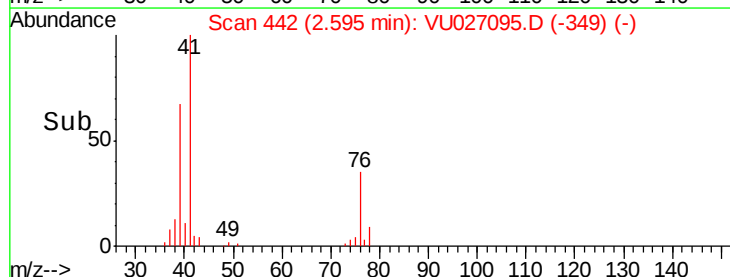
0

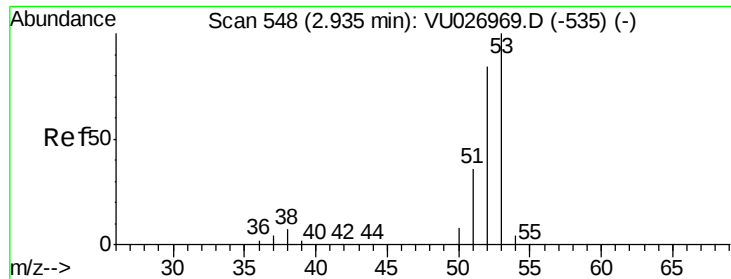
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 93.366 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

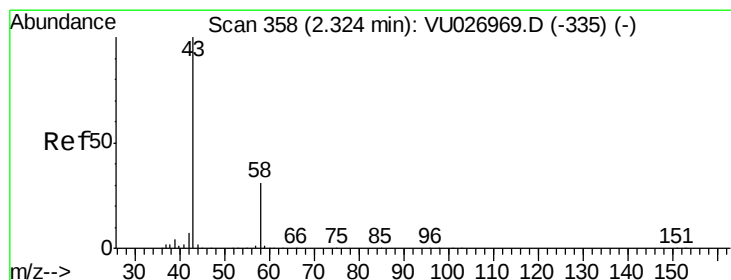
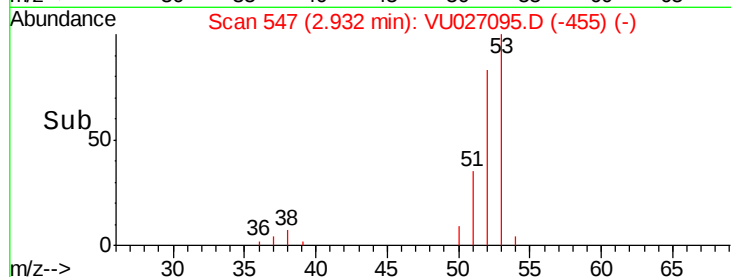
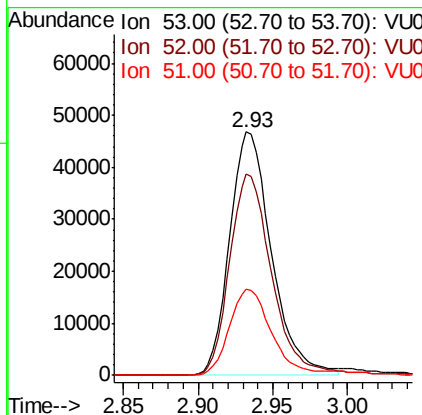
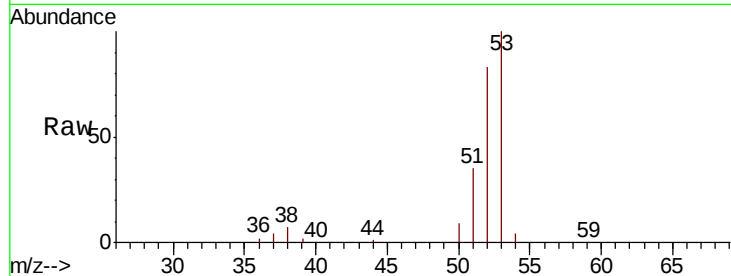
ClientSampleId :

VU0924WBS01

Tot Ion:	53	Resp:	91327
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.7	98.5
51	35.3	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 102.573 ug/l

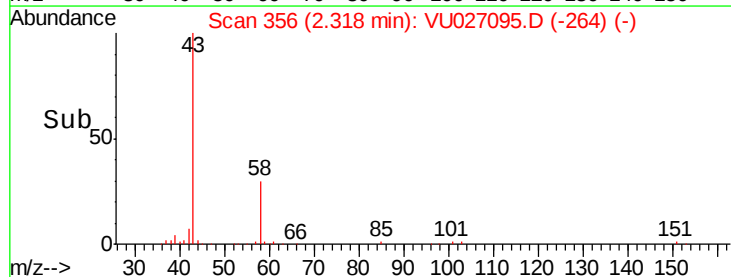
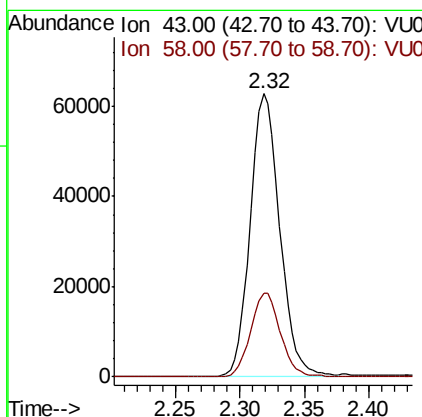
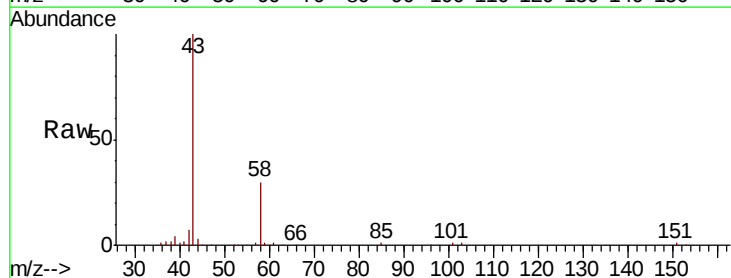
RT: 2.32 min Scan# 356

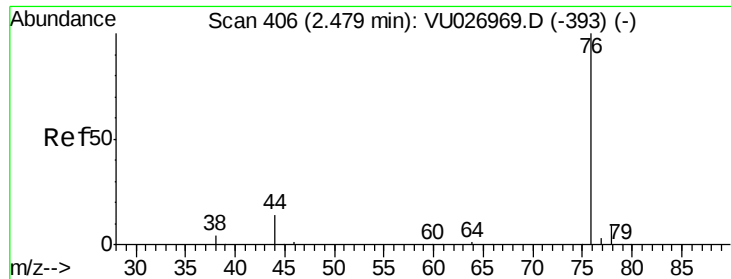
Delta R.T. -0.01 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	43	Resp:	101057
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.6	36.8





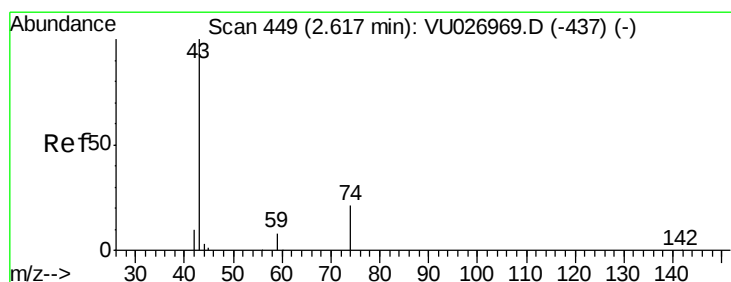
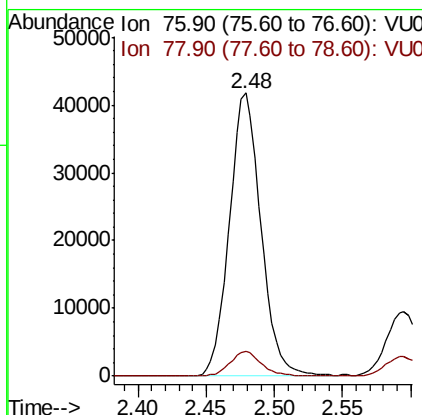
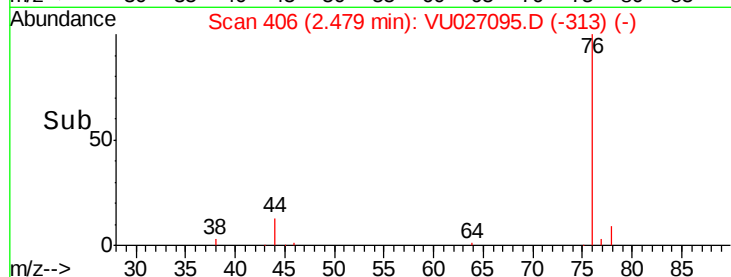
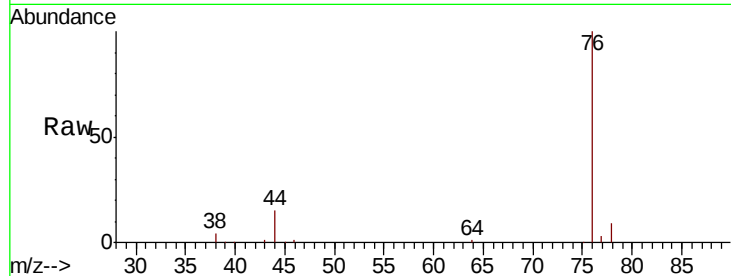
#17
Carbon Disulfide
Concen: 17.747 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

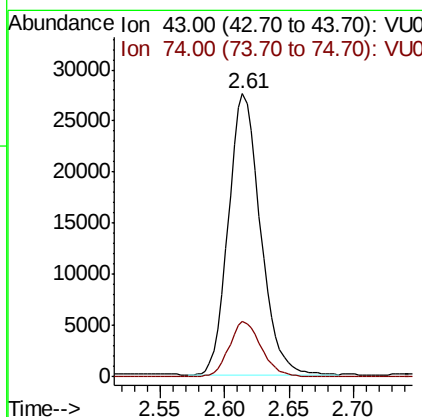
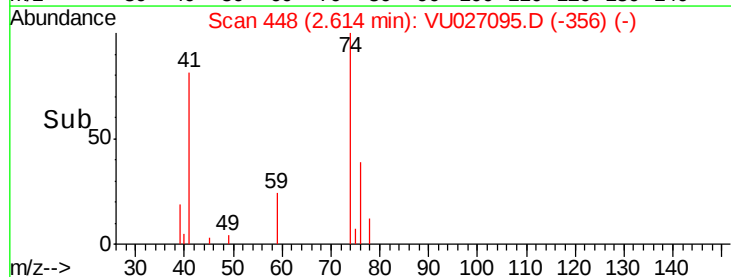
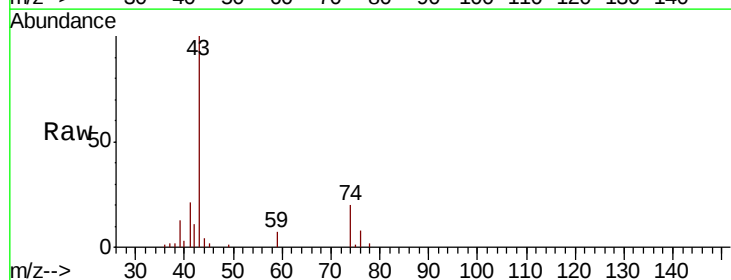
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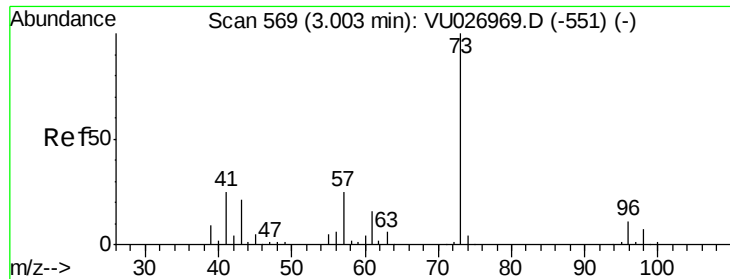
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#18
Methyl Acetate
Concen: 19.814 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.6	25.0





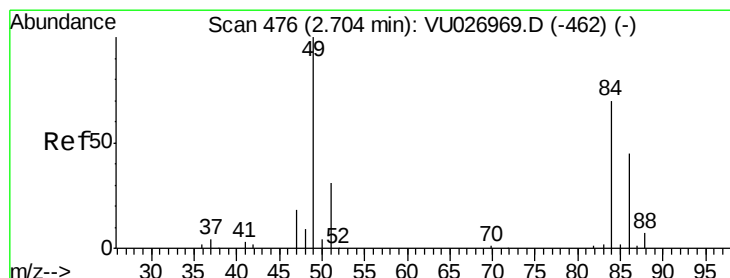
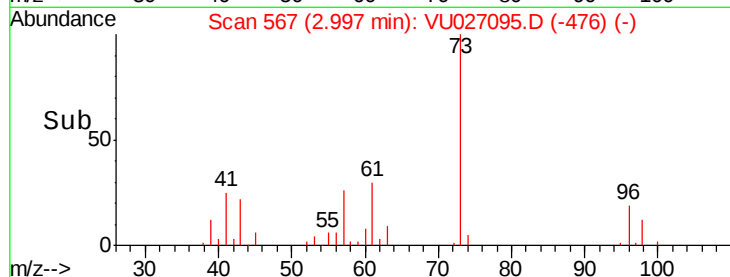
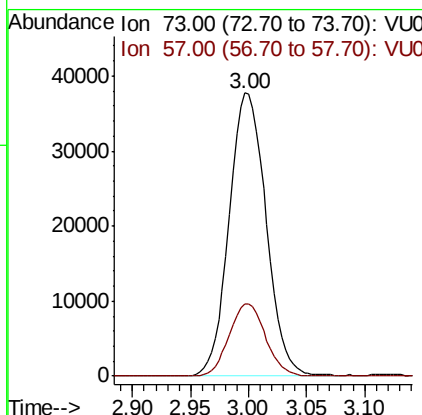
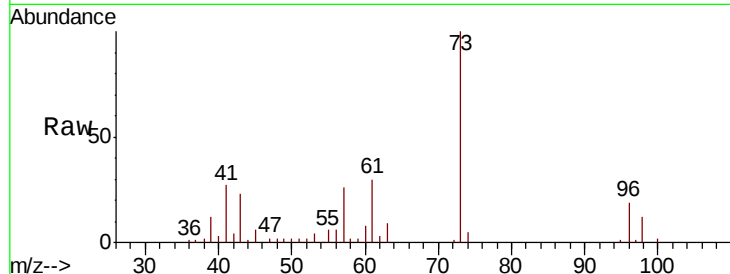
#19
Methyl tert-butyl Ether
Concen: 19.539 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.01 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion: 73 Resp: 83428
Ion Ratio Lower Upper
73 100
57 25.6 19.8 29.6

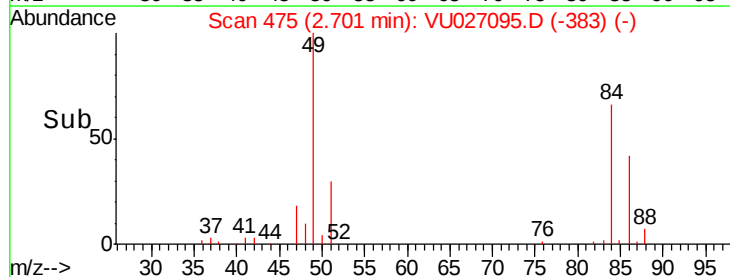
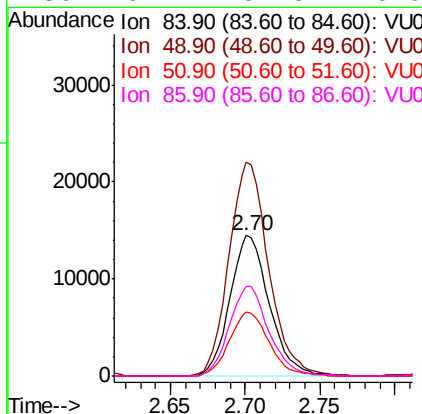
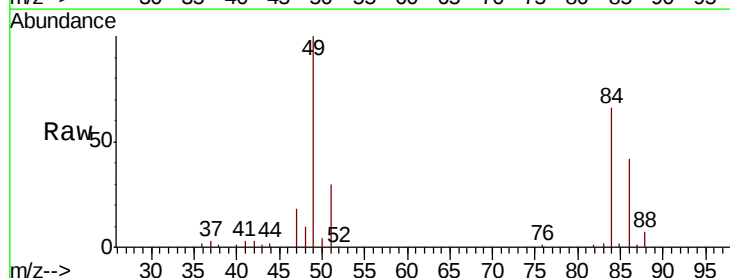
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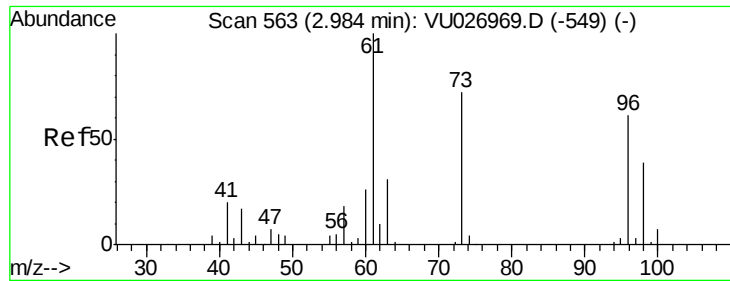
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#20
Methylene Chloride
Concen: 17.464 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion: 84 Resp: 26483
Ion Ratio Lower Upper
84 100
49 152.2 114.9 172.3
51 45.6 35.8 53.8
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 18.828 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampled :

VU0924WBS01

Tot Ion: 96 Resp: 23357

Ion Ratio Lower Upper

96 100

61 167.7 131.8 197.6

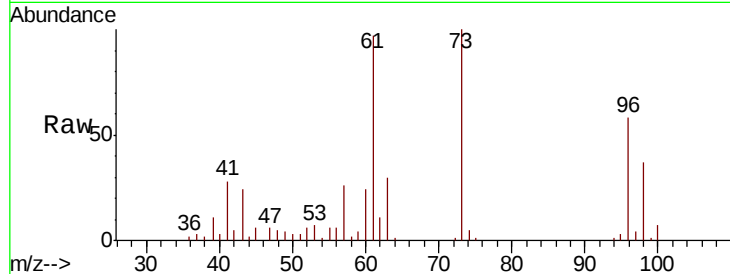
98 64.3 50.9 76.3

Manual Integrations

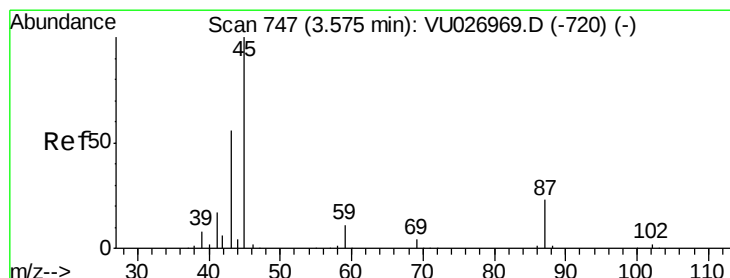
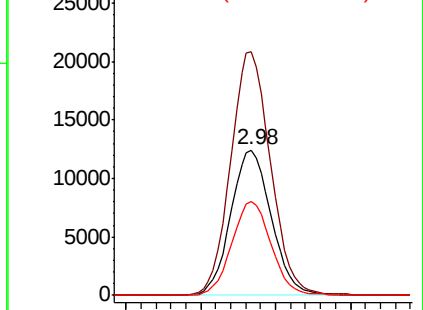
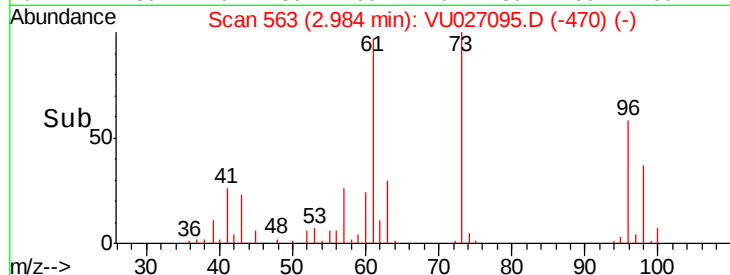
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Abundance Ion 95.90 (95.60 to 96.60): VU027095.D (-470) (-)



#22

Diisopropyl ether

Concen: 21.069 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion: 45 Resp: 106203

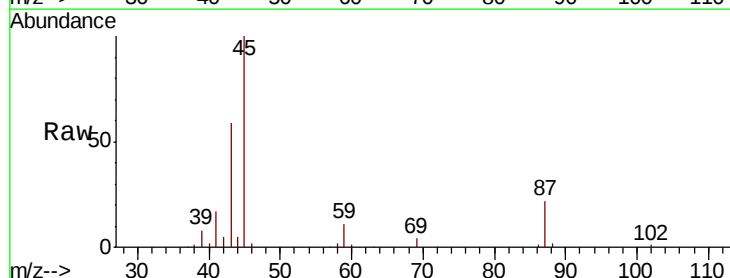
Ion Ratio Lower Upper

45 100

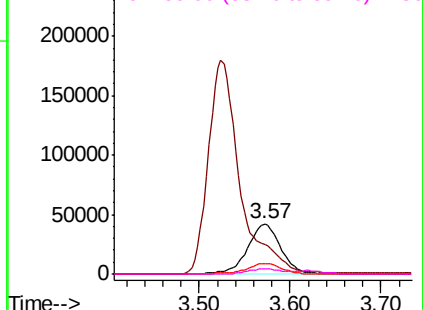
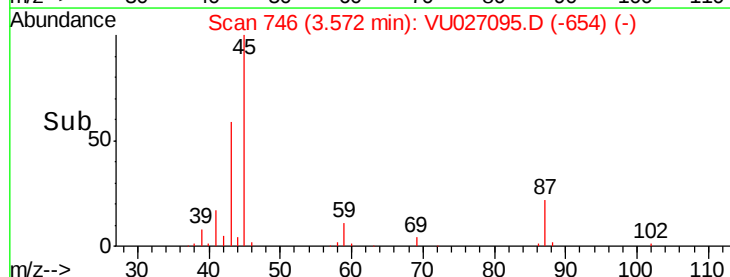
43 56.7 45.8 68.6

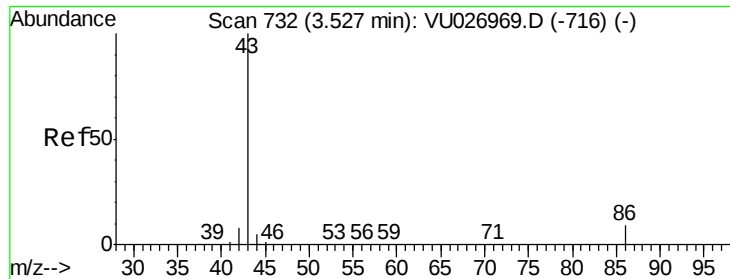
87 21.6 18.6 28.0

59 10.6 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027095.D (-654) (-)





#23

Vinyl Acetate

Concen: 102.092 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion: 43 Resp: 438678

Ion Ratio Lower Upper

43 100

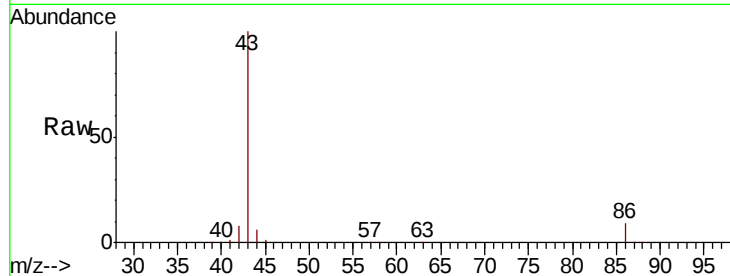
86 8.7 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027095.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027095.D (-639) (-)

3.52

200000

150000

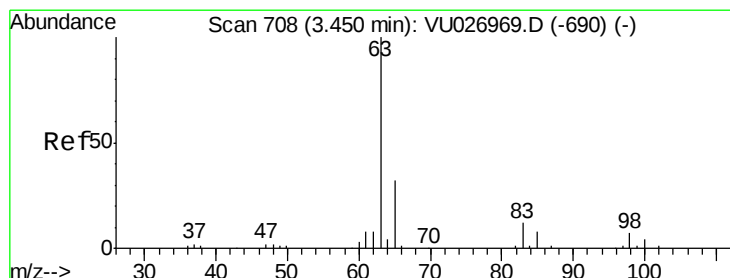
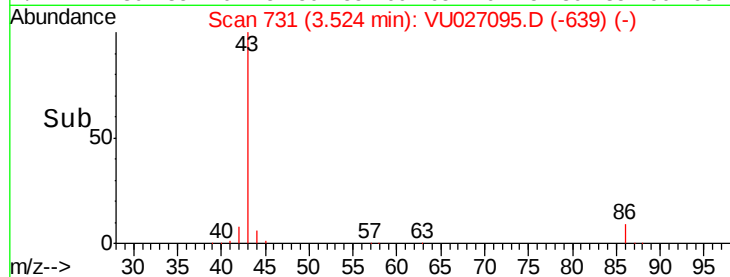
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 19.429 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

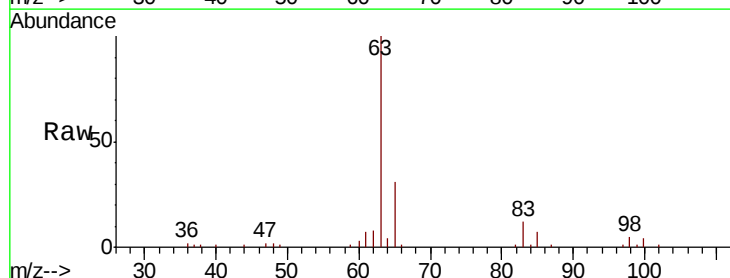
Tgt Ion: 63 Resp: 53939

Ion Ratio Lower Upper

63 100

98 5.5 3.3 9.8

100 3.6 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027095.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027095.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027095.D (-615) (-)

3.45

30000

25000

20000

15000

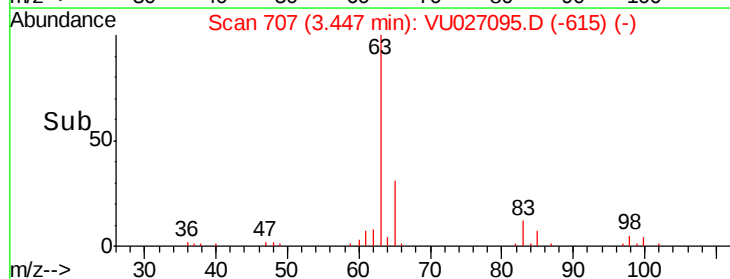
10000

5000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 96.269 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion: 43 Resp: 136988

Ion Ratio Lower Upper

43 100

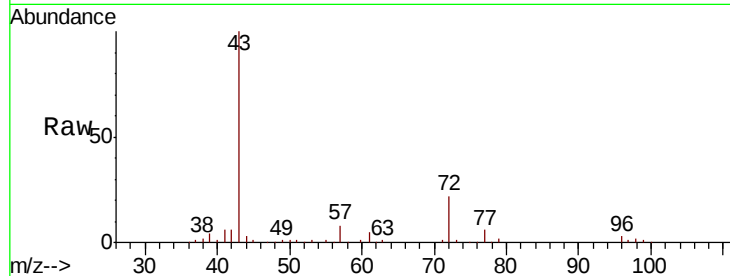
72 21.8 18.4 27.6

Manual Integrations

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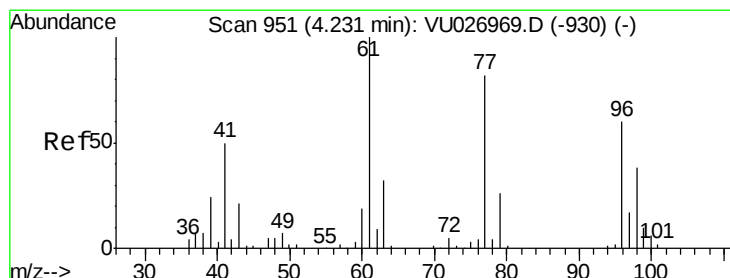
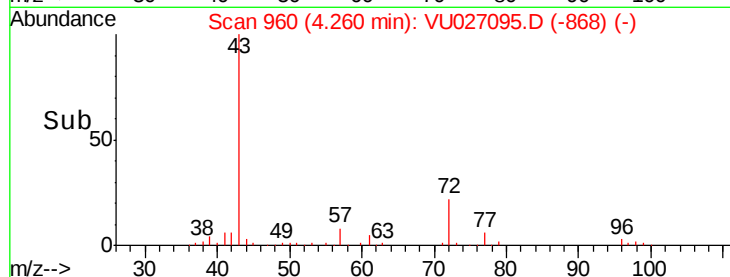
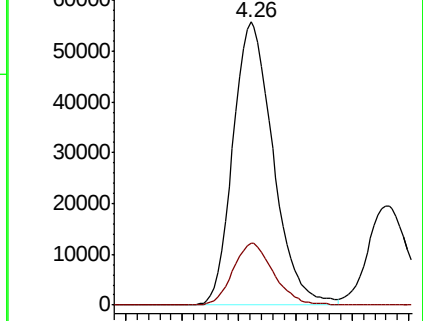
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.687 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027095.D

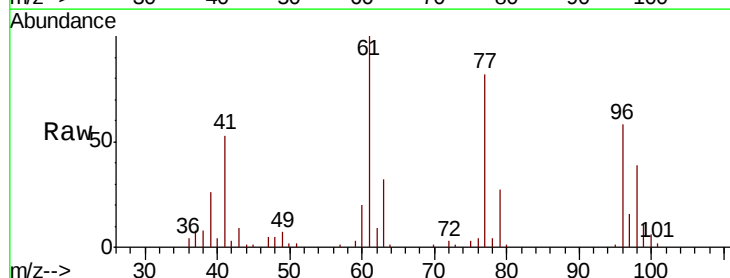
Acq: 24 Sep 2018 09:57

Tgt Ion: 77 Resp: 42625

Ion Ratio Lower Upper

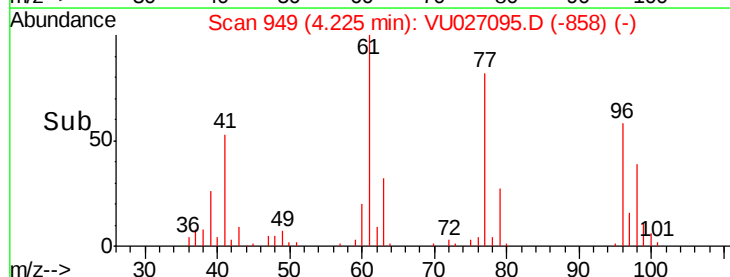
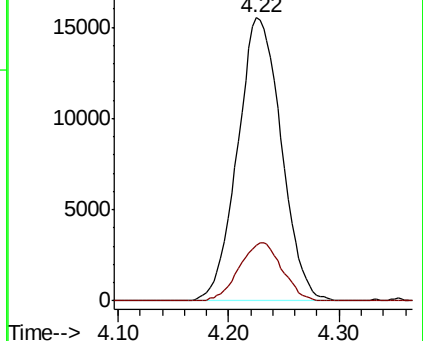
77 100

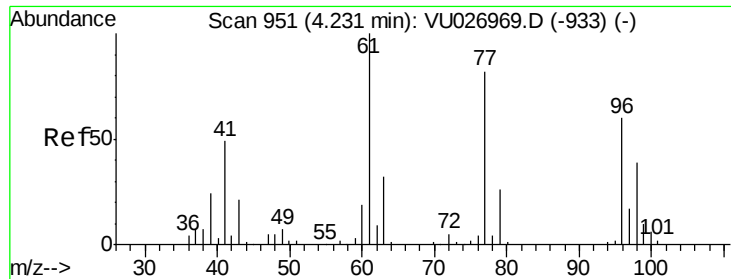
97 20.0 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

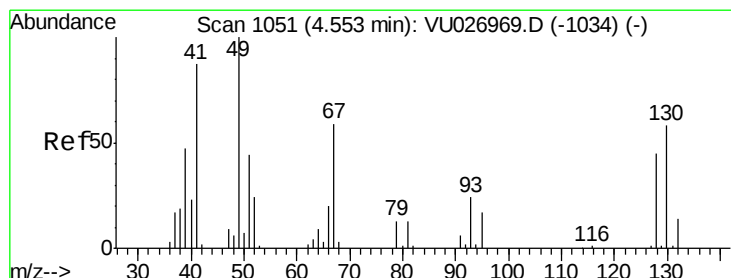
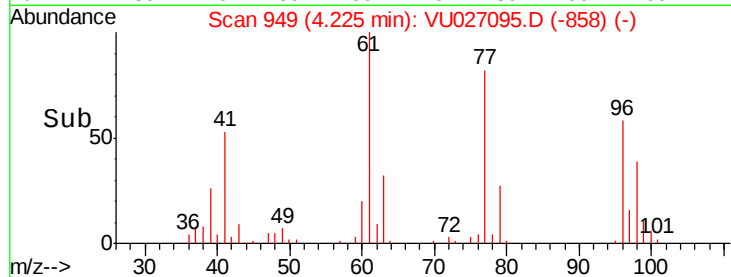
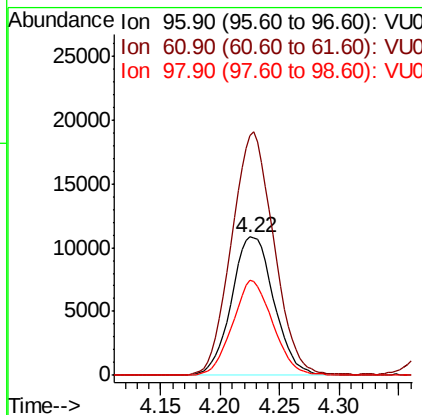
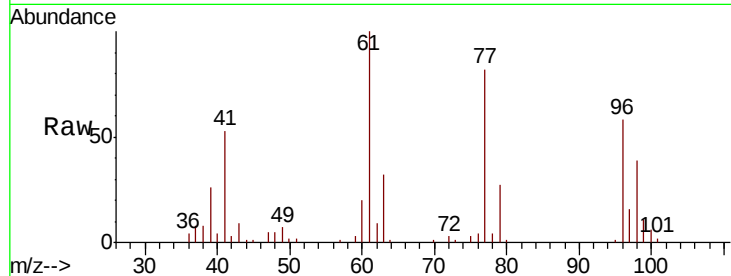
cis-1,2-Dichloroethene
Concen: 19.138 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.01 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	26812		
61	175.0	0.0	337.2	
98	64.9	0.0	127.6	

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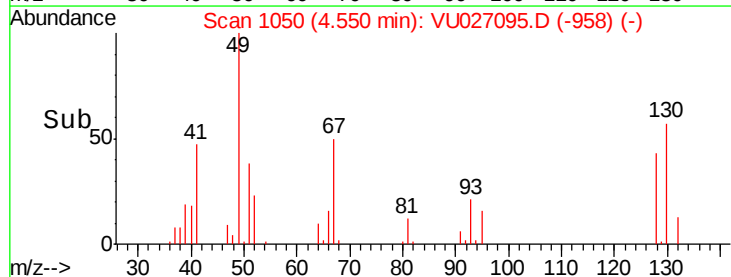
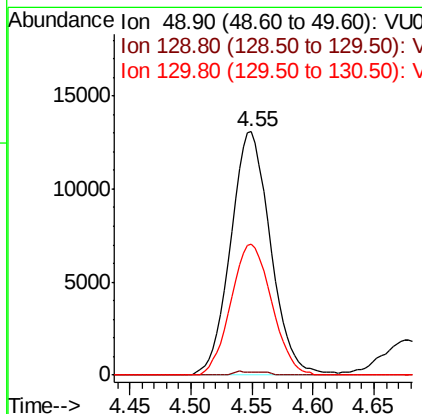
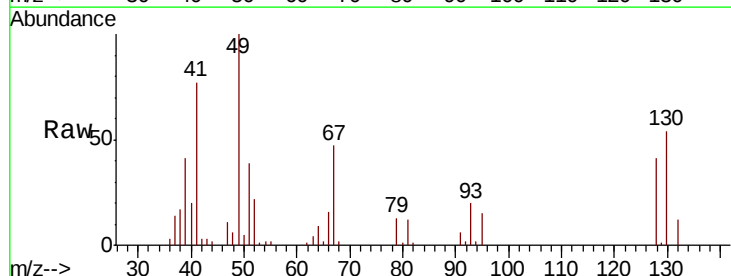
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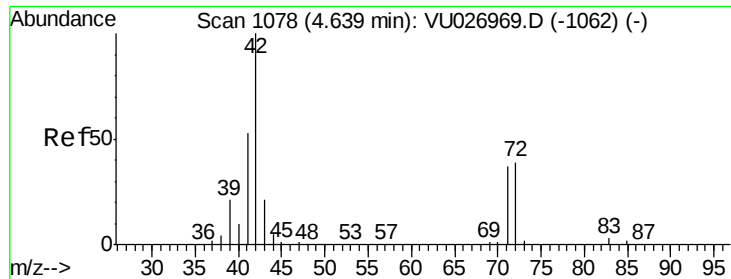


#28

Bromochloromethane
Concen: 22.210 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29724		
129	1.1	0.0	3.0	
130	54.8	47.8	71.8	





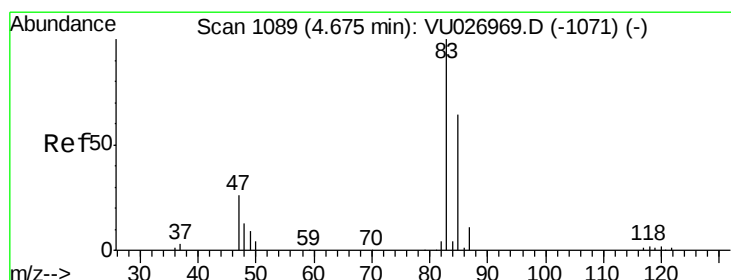
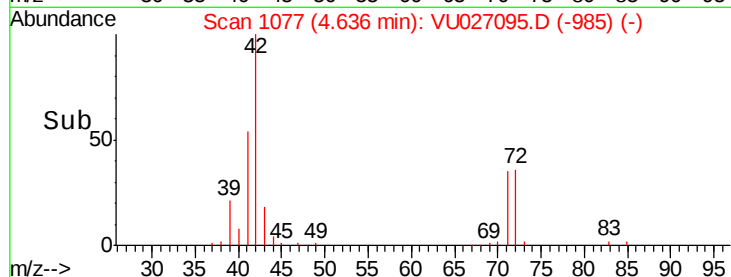
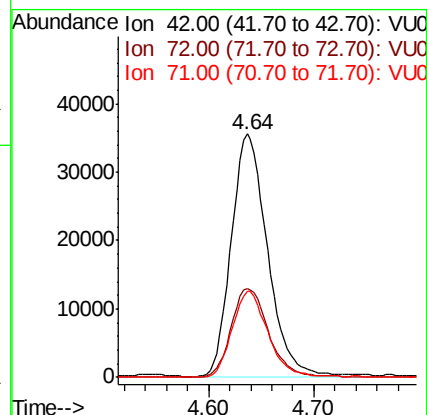
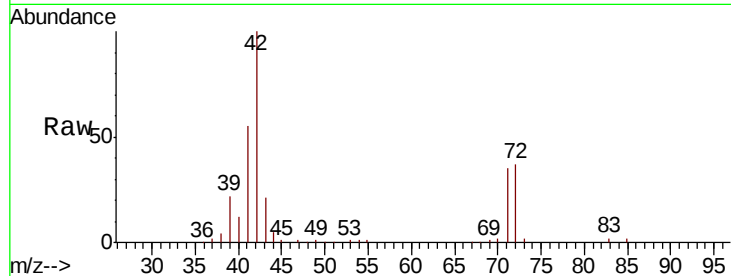
#29
Tetrahydrofuran
Concen: 99.075 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.7	47.5
71	34.6	29.6	44.4

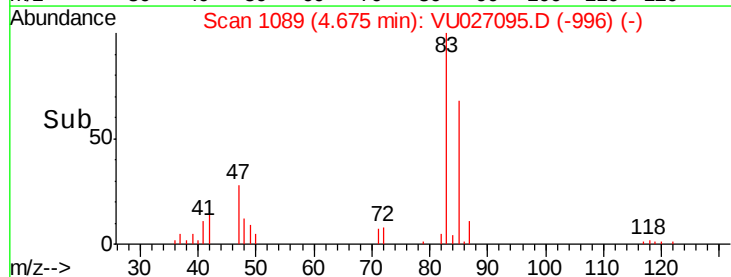
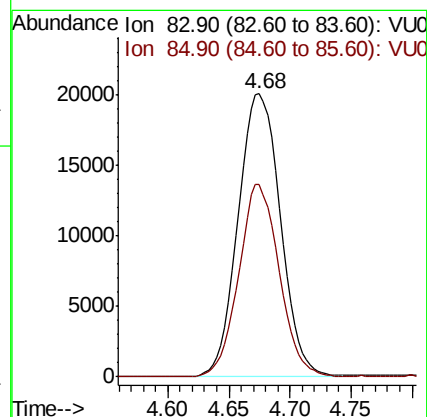
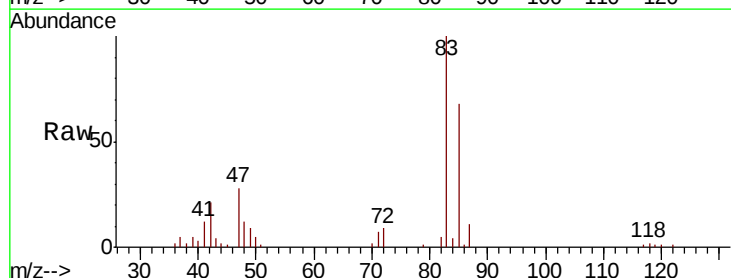
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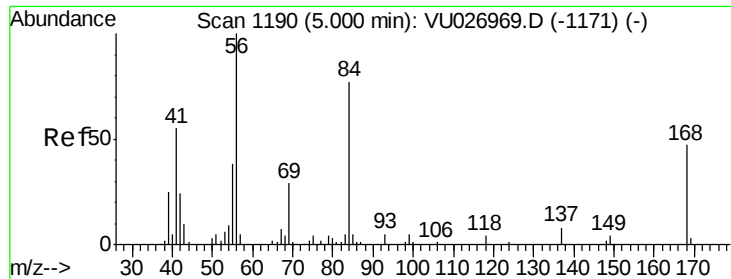
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9/25/2018 11:34:13 AM



#30
Chloroform
Concen: 18.806 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	51.5	77.3





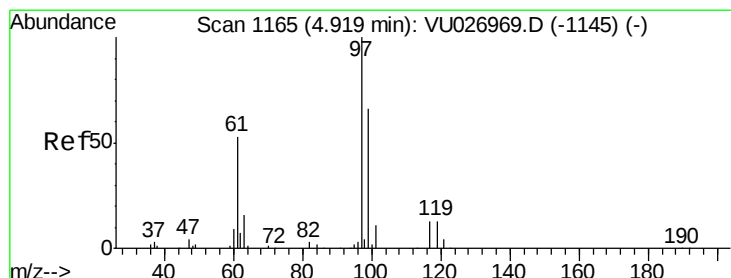
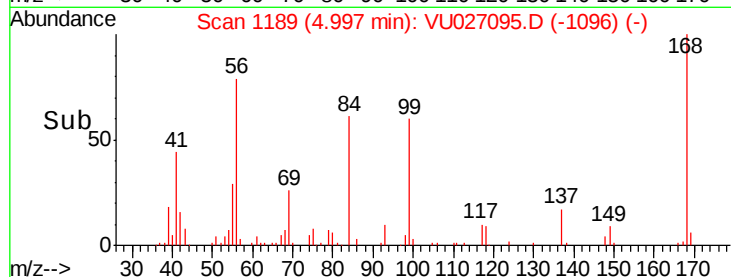
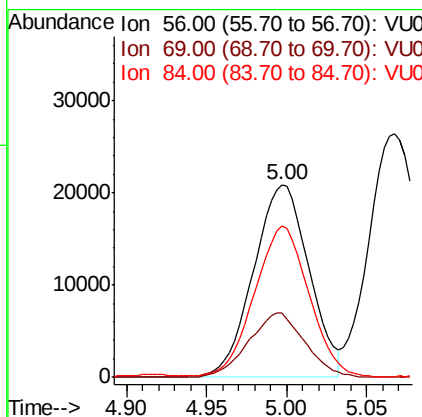
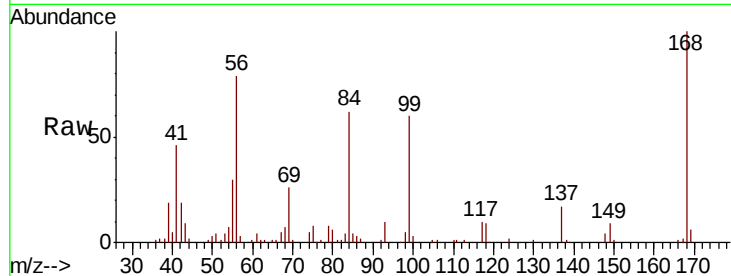
#31
Cyclohexane
Concen: 19.518 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	23.0	34.4
84	77.7	61.4	92.2

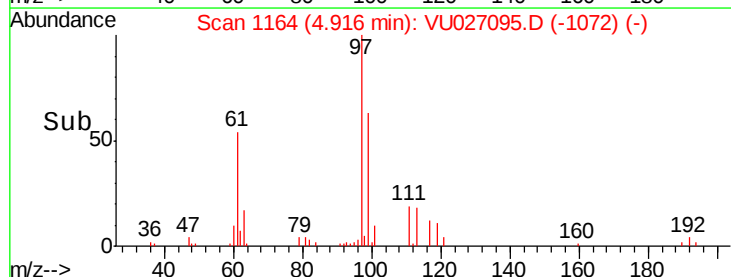
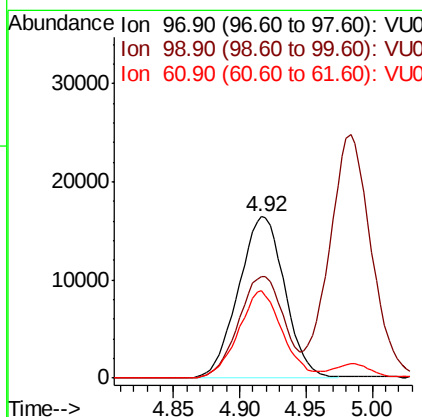
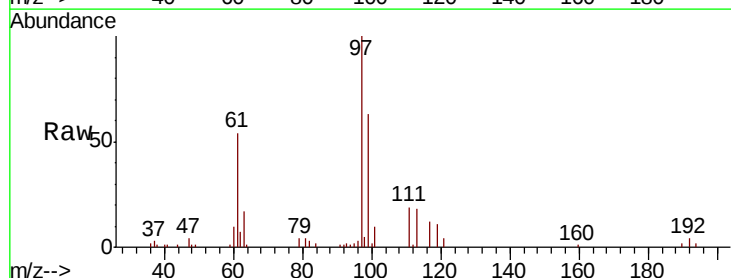
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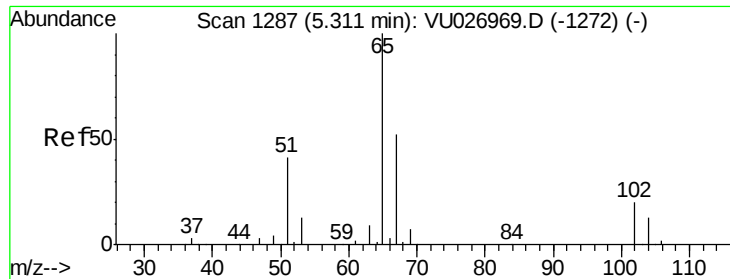
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#32
1,1,1-Trichloroethane
Concen: 19.485 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.8	77.6
61	51.2	41.1	61.7





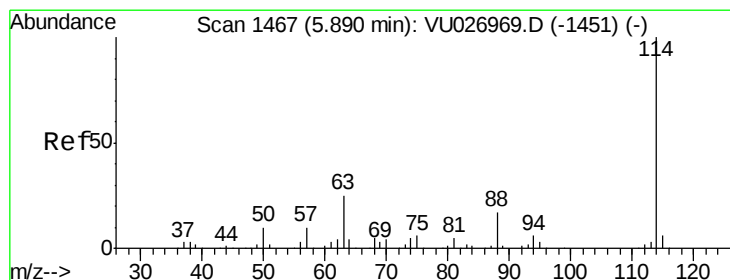
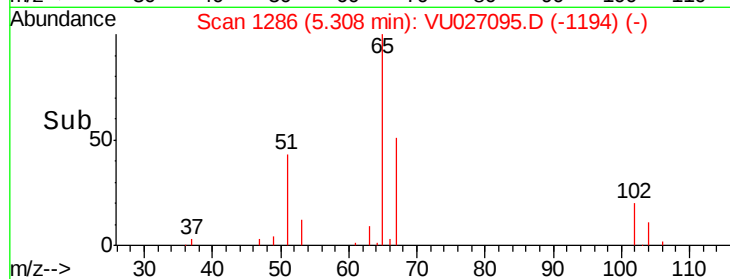
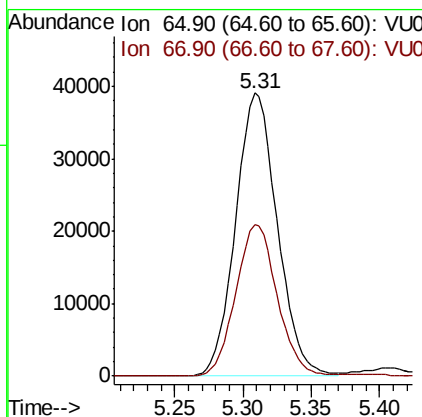
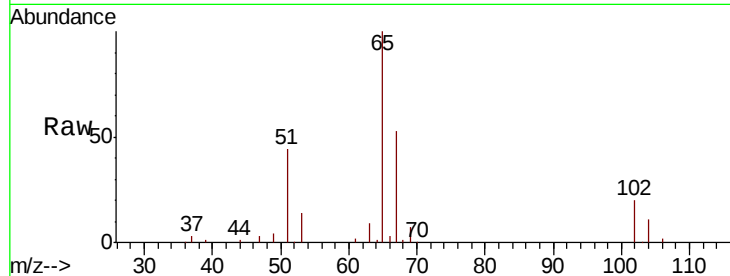
#33
 1,2-Dichloroethane-d4
 Concen: 49.090 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.6

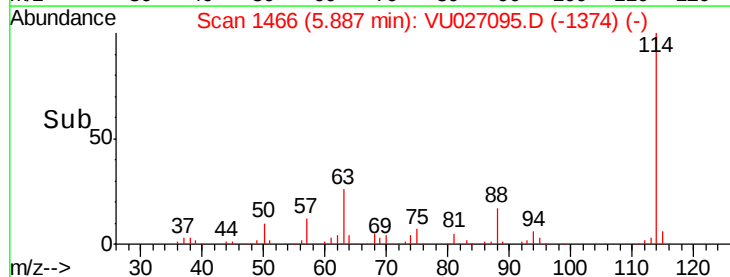
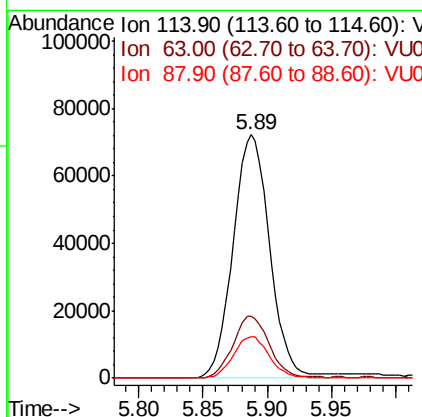
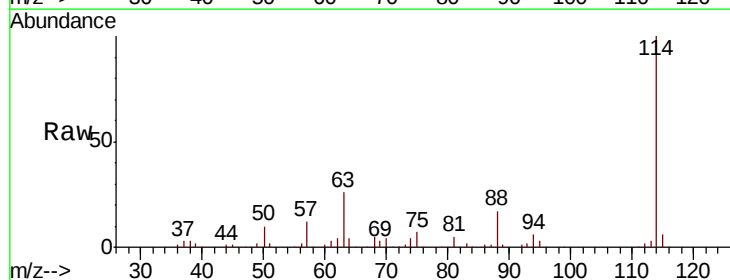
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	17.2	0.0	33.8





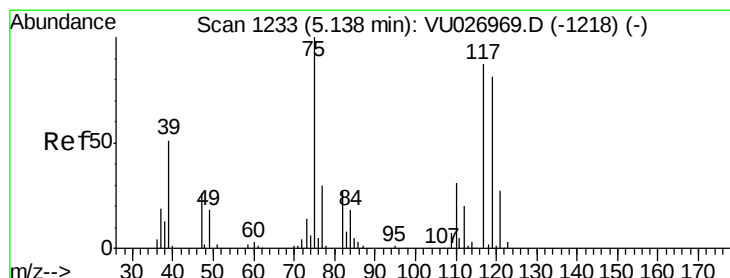
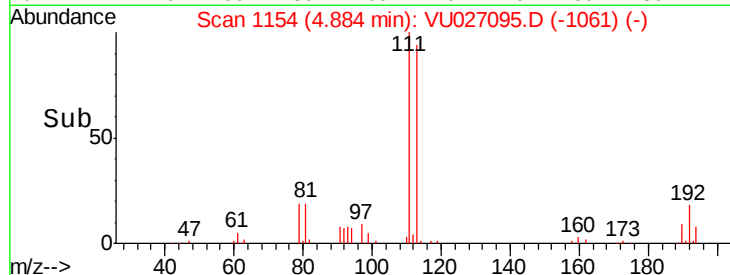
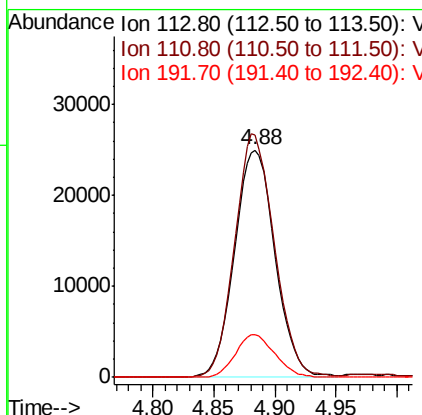
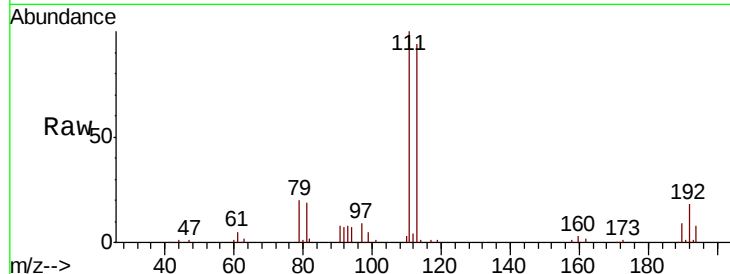
#35
 Dibromofluoromethane
 Concen: 46.216 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.2	123.4
192	18.1	15.2	22.8

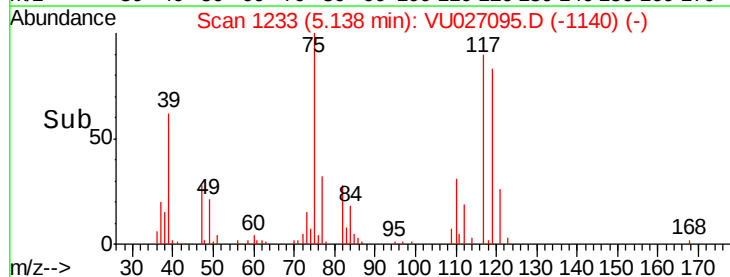
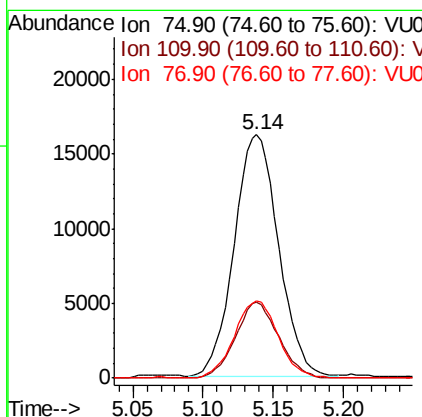
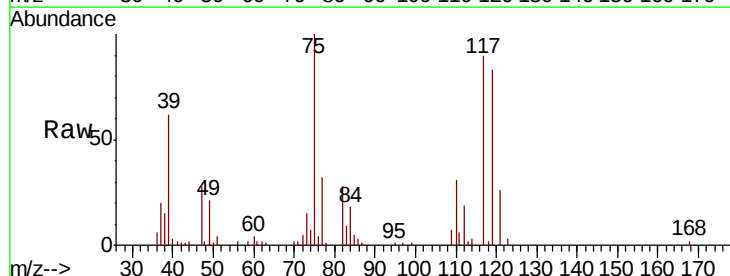
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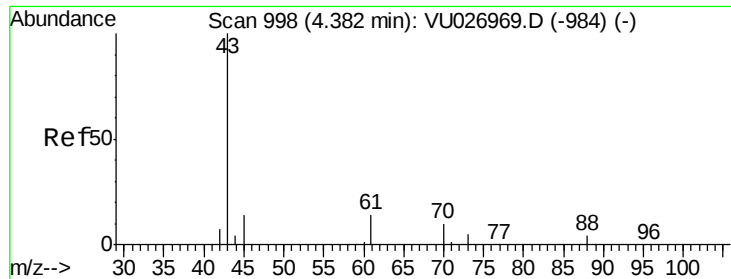
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#36
 1,1-Dichloropropene
 Concen: 18.495 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	16.1	48.2
77	31.8	24.6	36.8





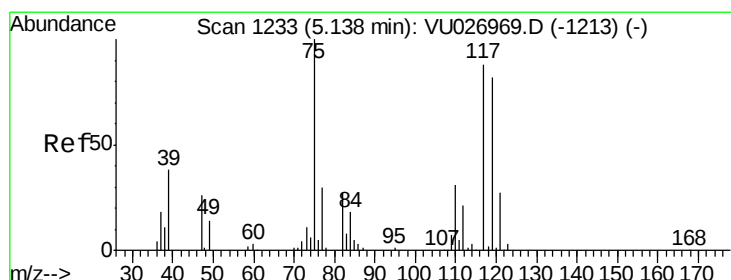
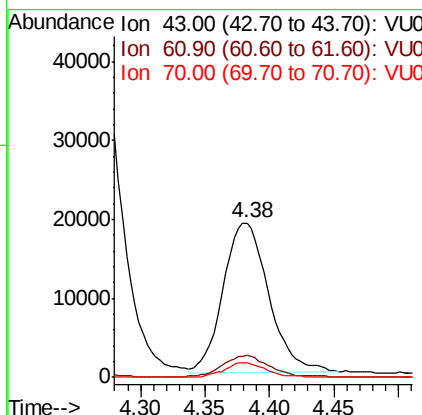
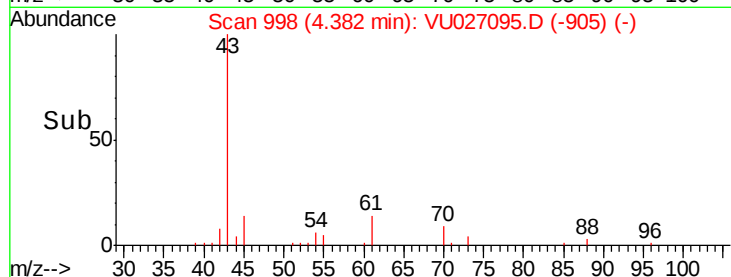
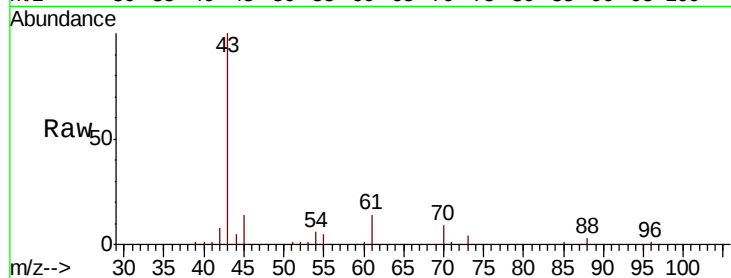
#37
Ethyl Acetate
Concen: 18.075 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	43	Resp	46830
Ion Ratio	100	Lower	Upper
43	100		
61	14.8	10.5	15.7
70	8.8	7.4	11.0

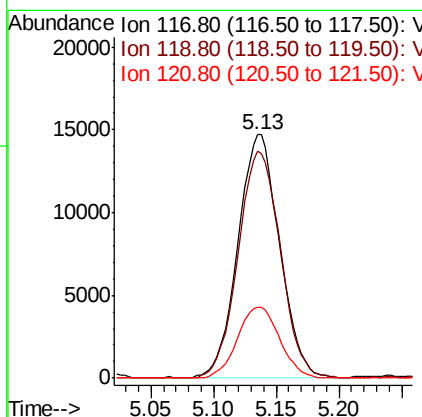
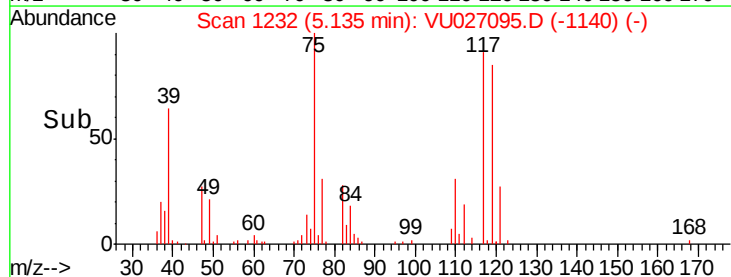
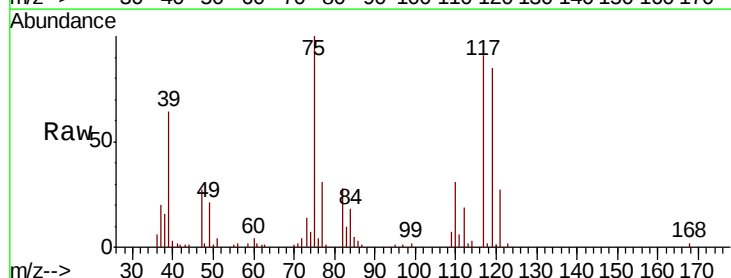
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#38
Carbon Tetrachloride
Concen: 18.615 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	117	Resp	33903
Ion Ratio	100	Lower	Upper
117	100		
119	93.0	74.4	111.6
121	29.2	24.2	36.4





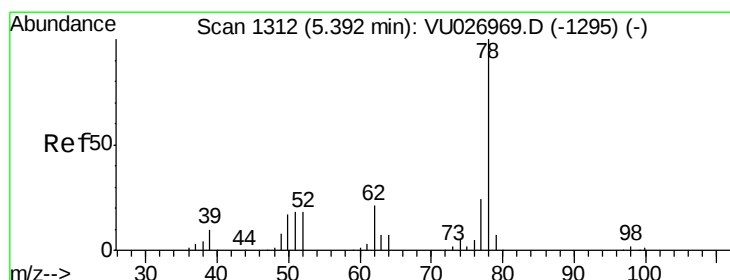
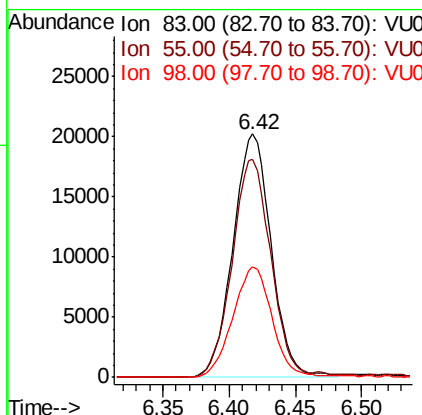
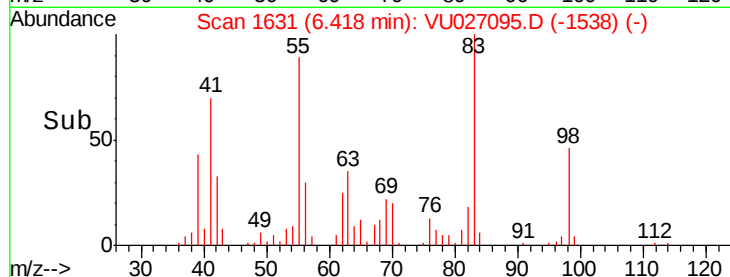
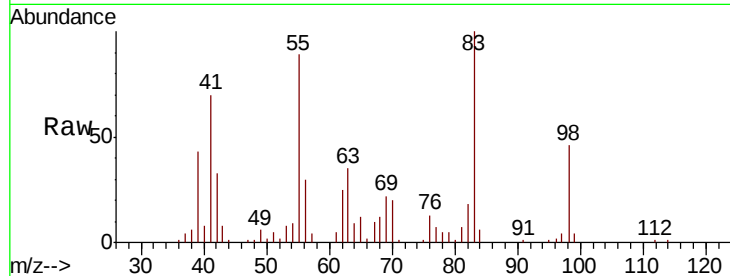
#39
Methylvlcvclohexane
Concen: 19.471 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	83.00	Resp	40495
Ion Ratio	Lower	Upper	
83	100		
55	89.5	69.9	104.9
98	45.6	37.5	56.3

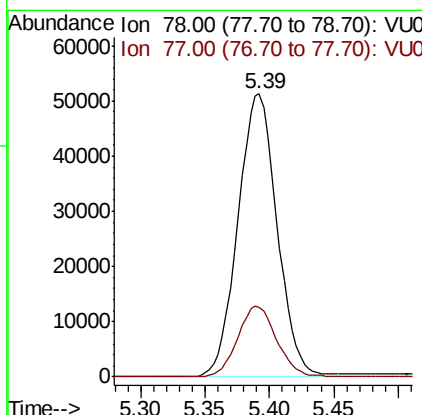
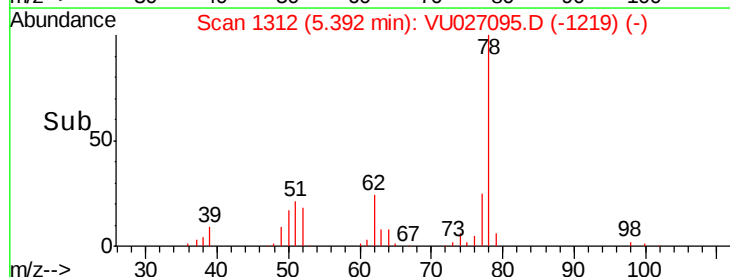
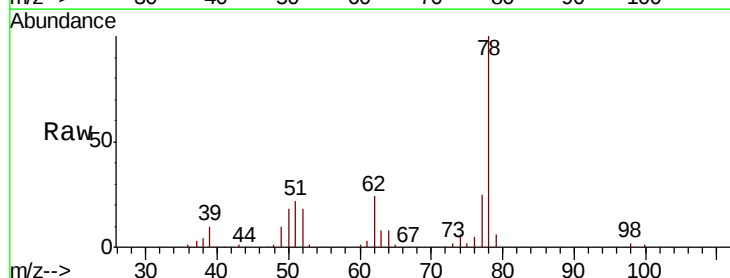
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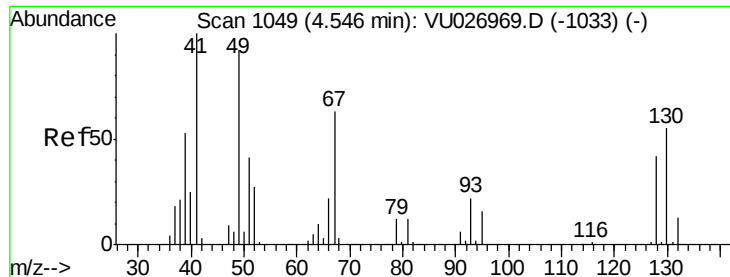
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#40
Benzene
Concen: 18.707 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	78.00	Resp	108837
Ion Ratio	Lower	Upper	
78	100		
77	24.7	19.4	29.0





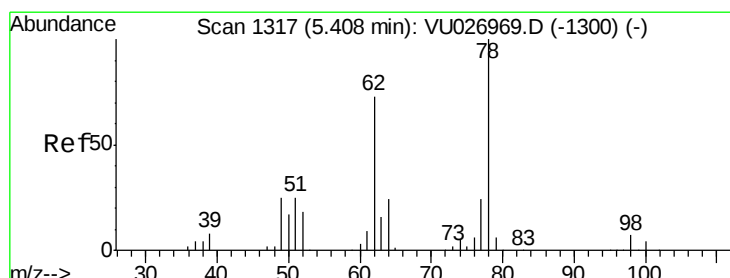
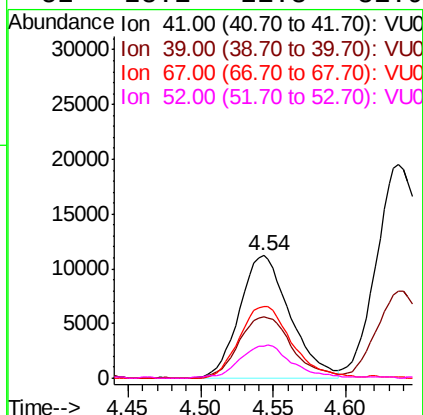
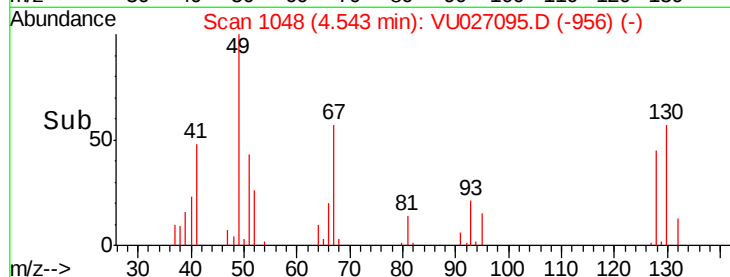
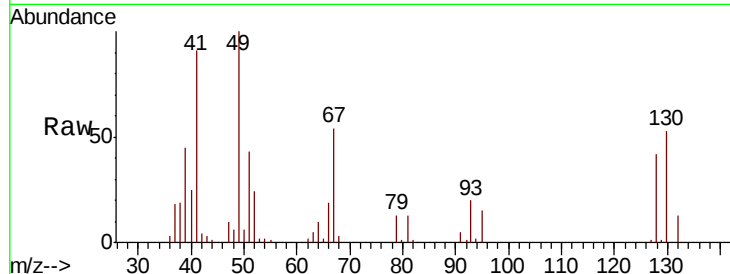
#41
Methacrylonitrile
Concen: 20.240 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.9	64.3	
67	60.4	52.4	78.6	
52	28.1	21.3	31.9	

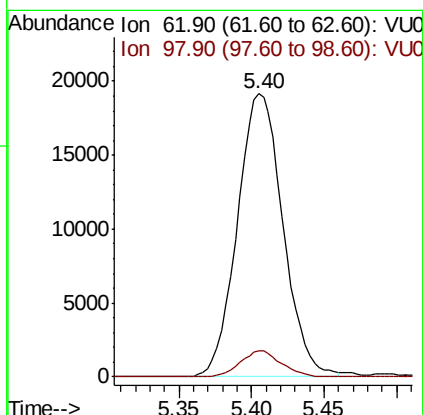
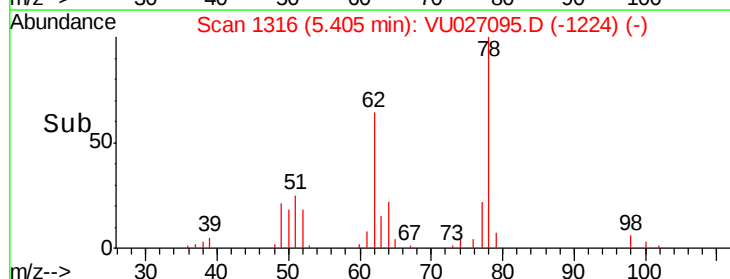
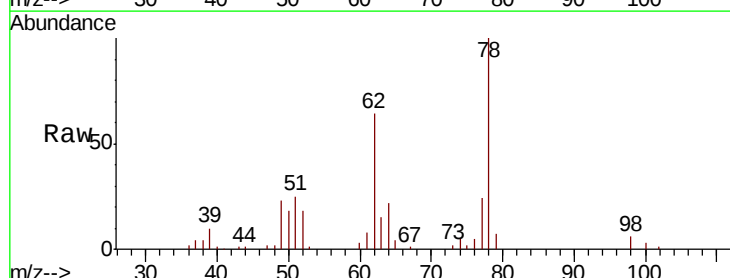
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#42
1,2-Dichloroethane
Concen: 19.025 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.0	





#43

Isopropyl Acetate

Concen: 19.517 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

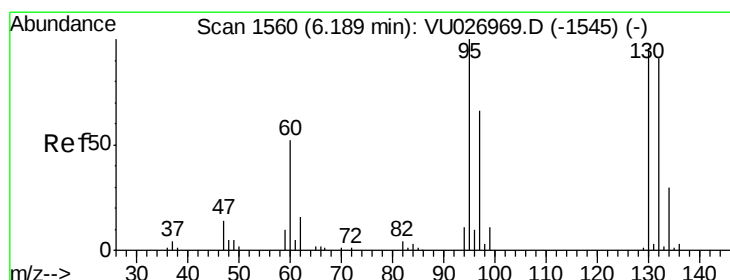
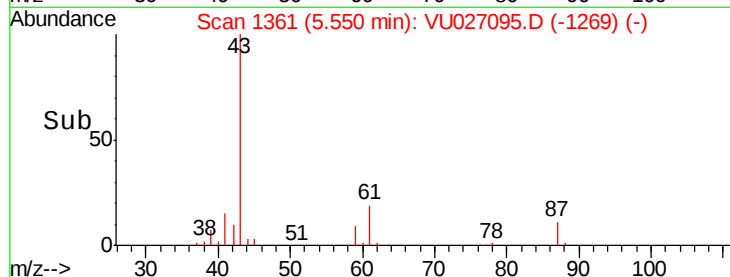
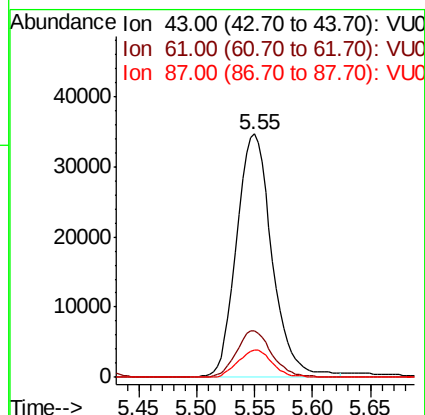
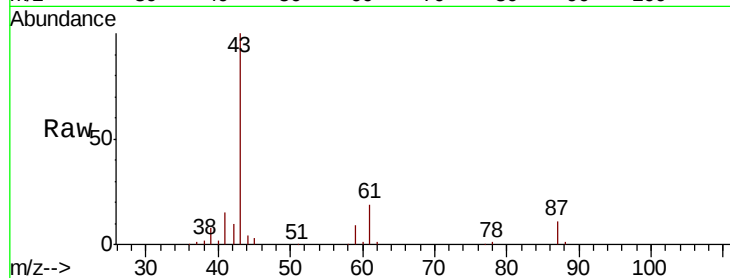
ClientSampleId :

VU0924WBS01

Tot Ion:	43	Resp:	73742
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.7	23.5
87	10.8	9.0	13.4

Manual Integrations
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#44

Trichloroethene

Concen: 19.034 ug/l

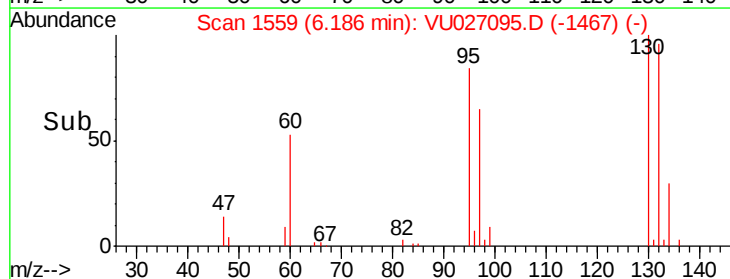
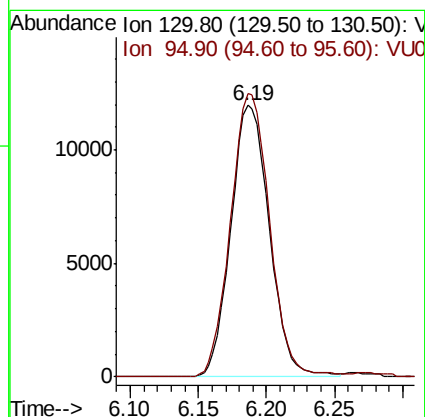
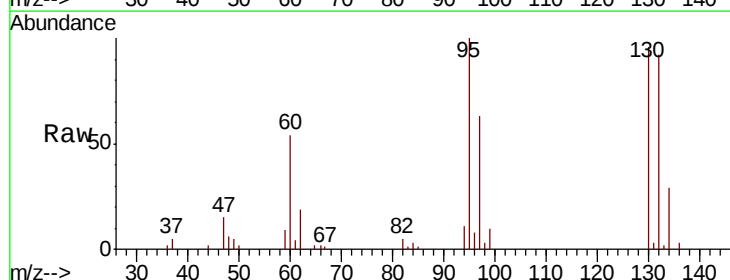
RT: 6.19 min Scan# 1559

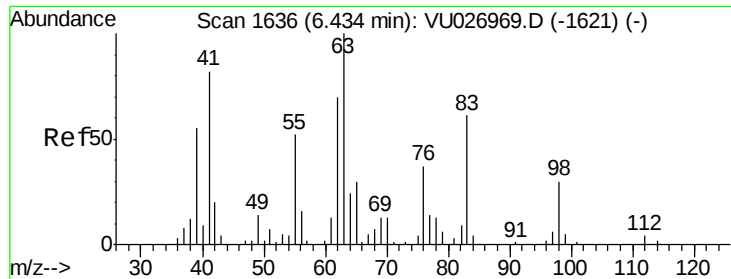
Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	130	Resp:	23576
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	208.8





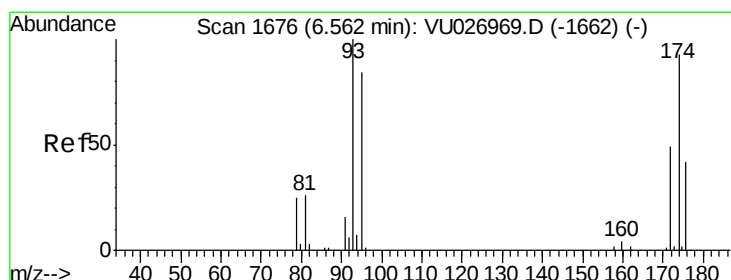
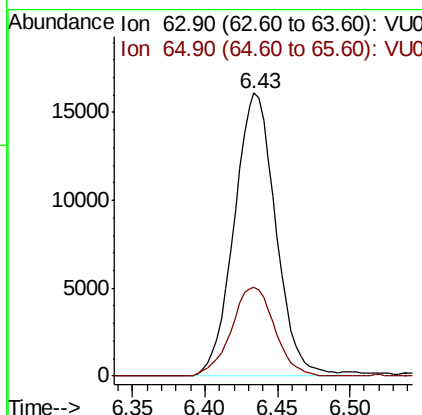
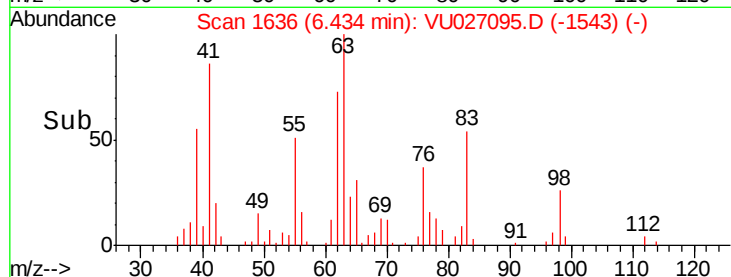
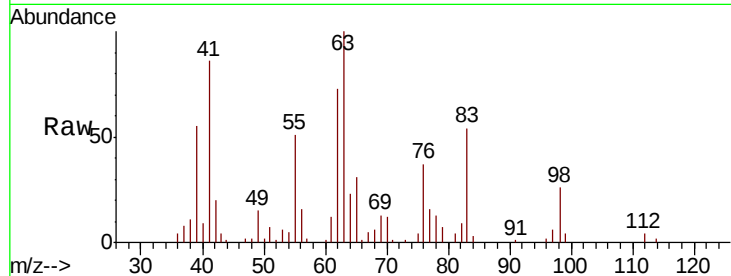
#45
 1,2-Dichloropropane
 Concen: 19.317 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion: 63 Resp: 32023
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5

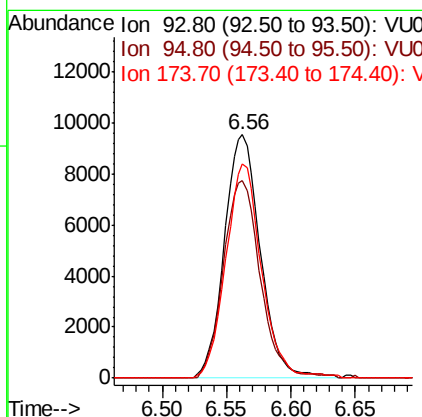
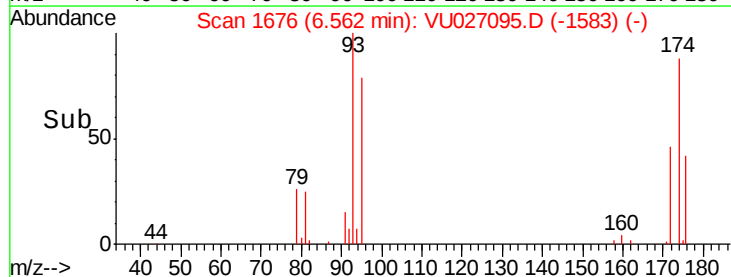
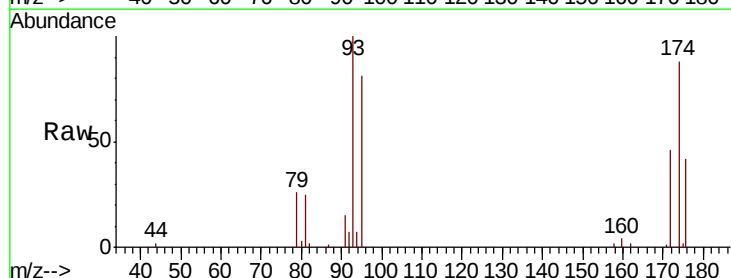
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#46
 Dibromomethane
 Concen: 18.501 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion: 93 Resp: 18523
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.2 99.4
 174 87.6 71.7 107.5





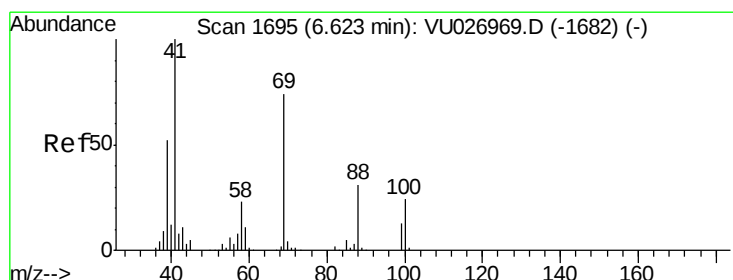
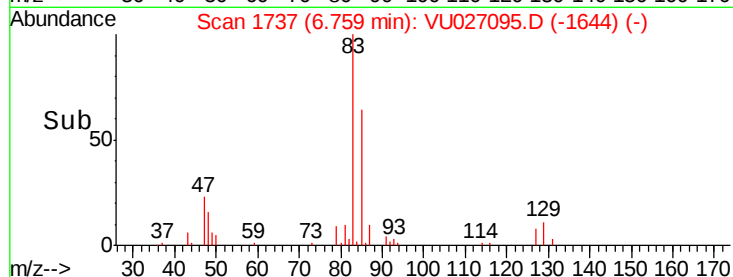
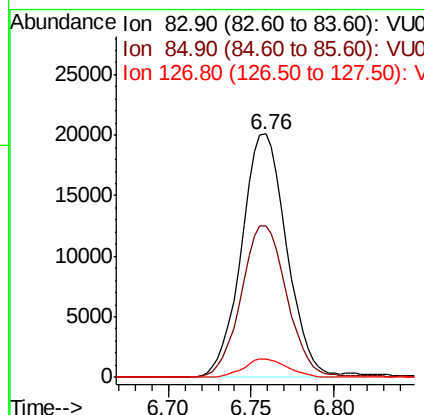
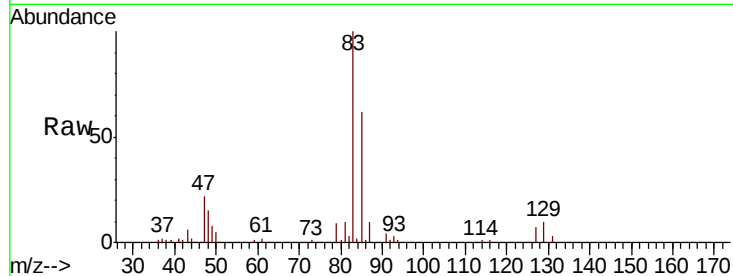
#47
Bromodichloromethane
Concen: 18.764 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	83	Resp	37986
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	52.5	78.7
127	7.4	6.3	9.5

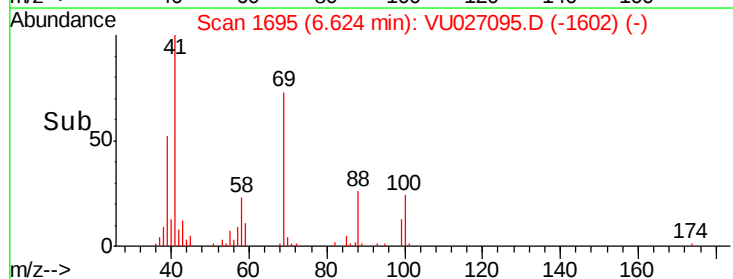
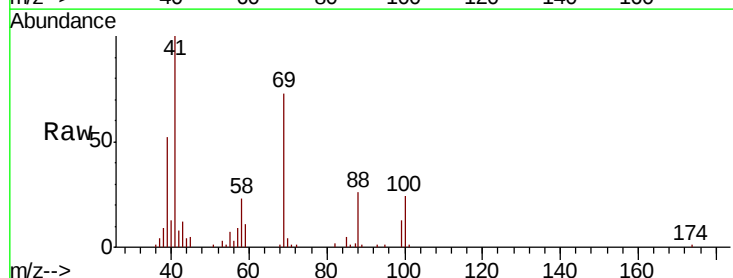
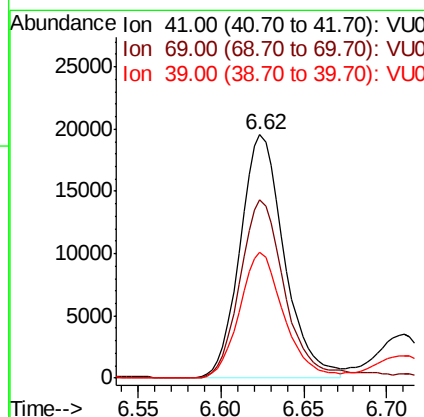
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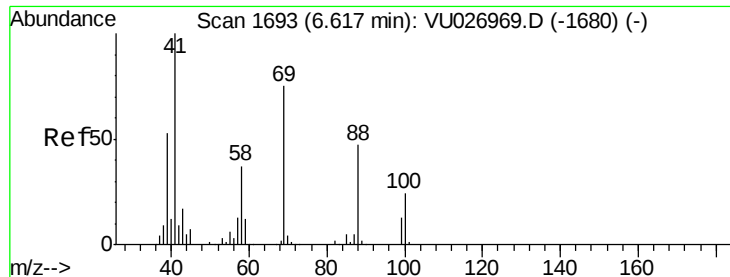
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#48
Methyl methacrylate
Concen: 18.288 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	41	Resp	36263
Ion Ratio	100	Lower	Upper
41	100		
69	75.3	60.6	90.8
39	51.6	42.8	64.2





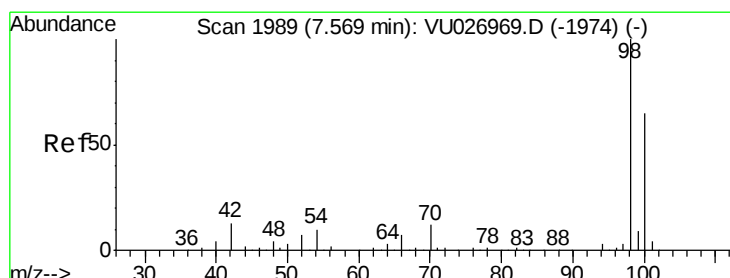
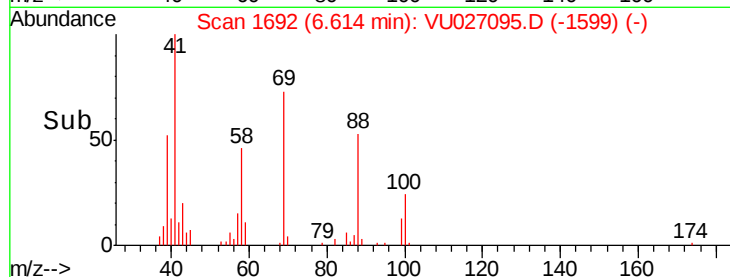
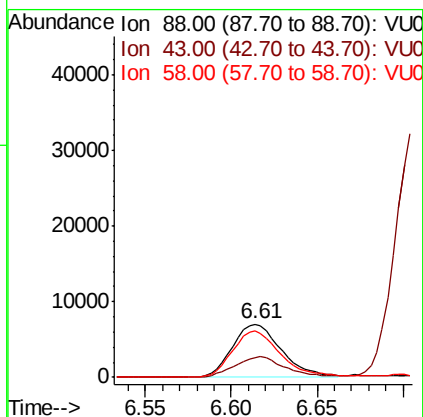
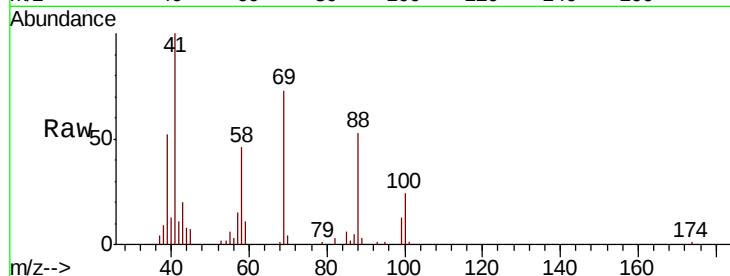
#49
1,4-Dioxane
Concen: 340.844 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	29.8	44.8
58	86.6	63.9	95.9

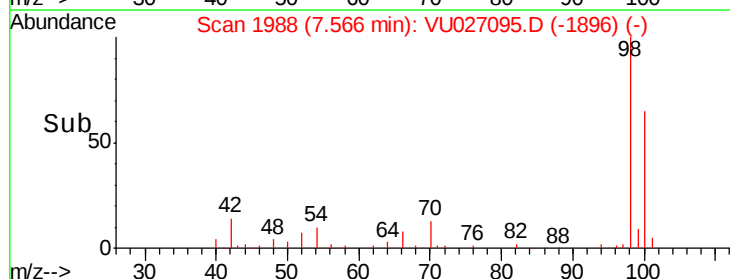
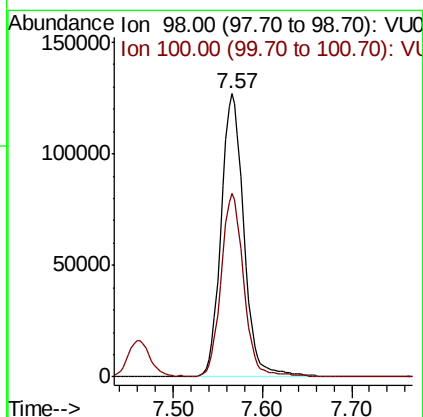
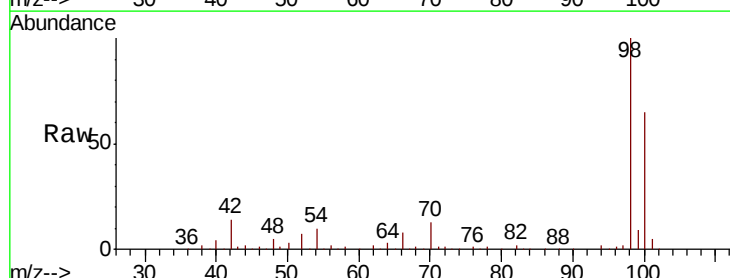
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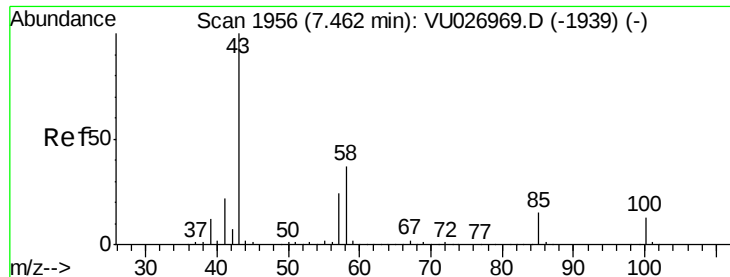
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#50
Toluene-d8
Concen: 47.433 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1





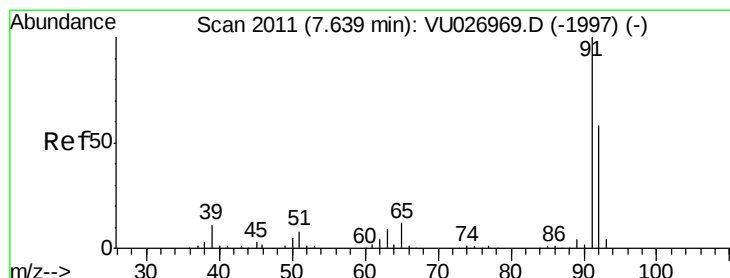
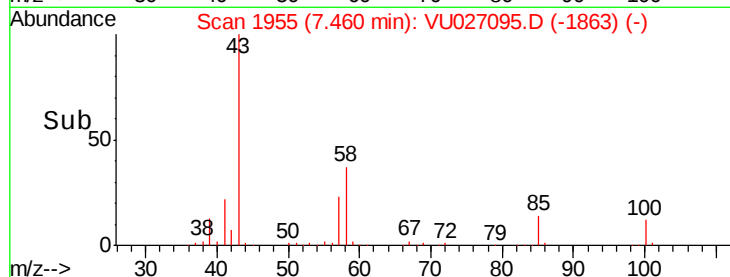
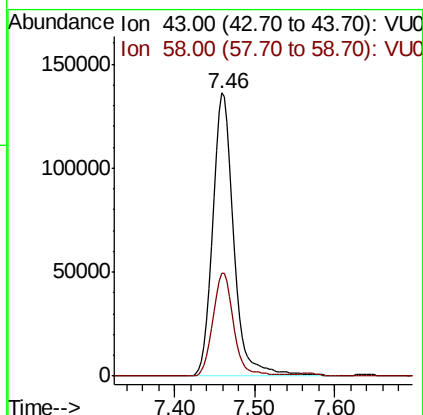
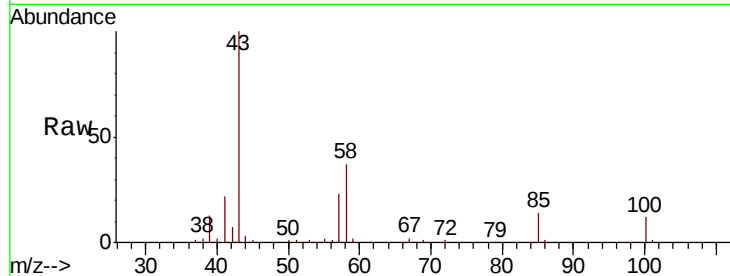
#51
4-Methyl-2-Pentanone
Concen: 98.413 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.8	44.6

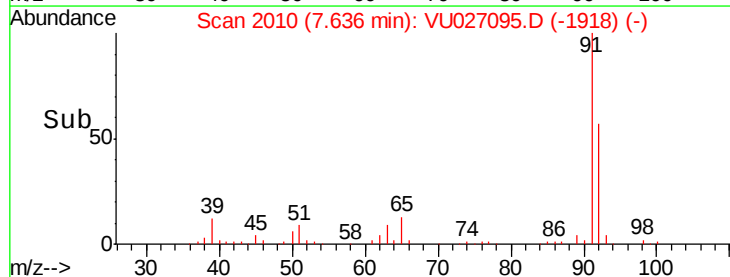
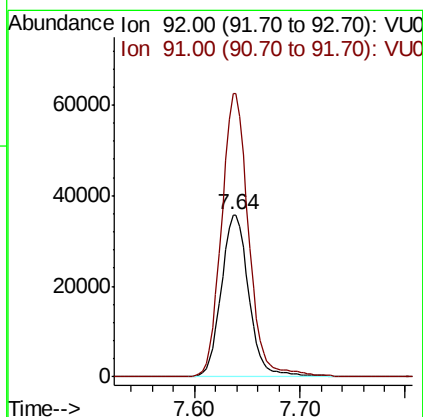
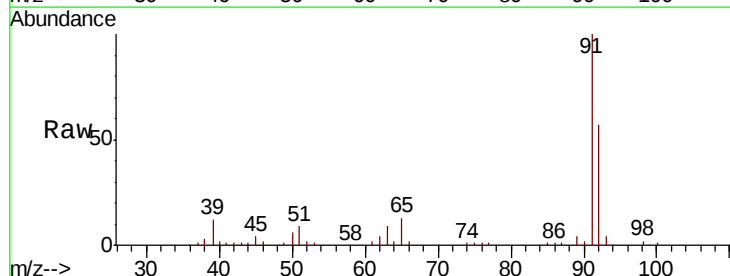
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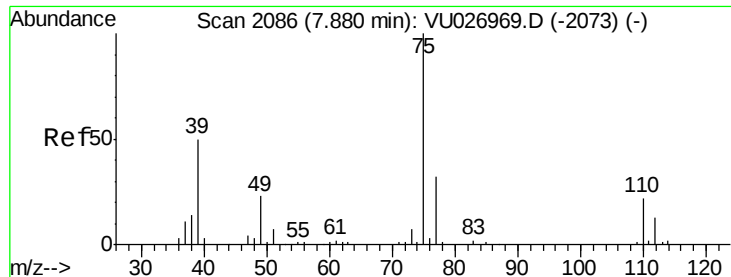
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#52
Toluene
Concen: 19.484 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	136.4	204.6





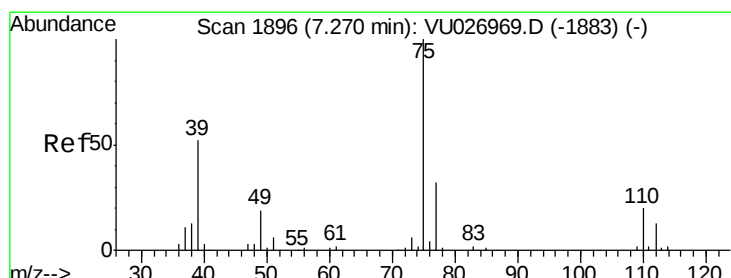
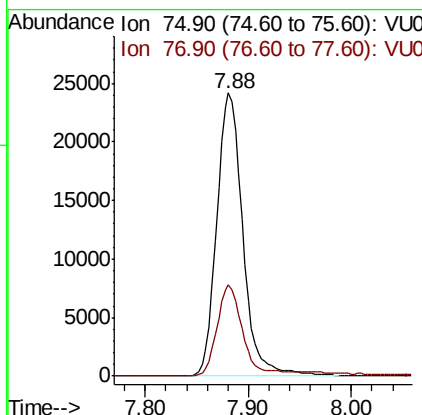
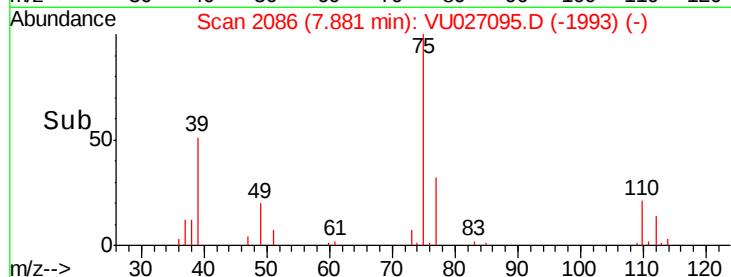
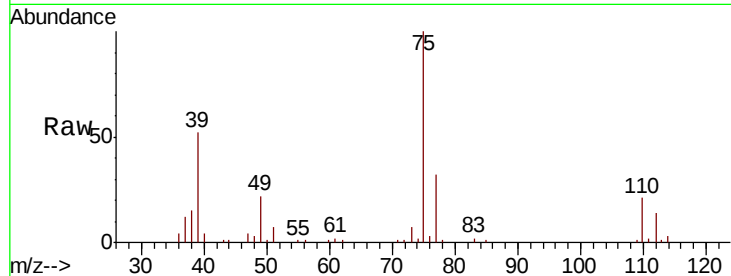
#53
 t-1,3-Dichloropropene
 Concen: 19.552 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion: 75 Resp: 42527
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9

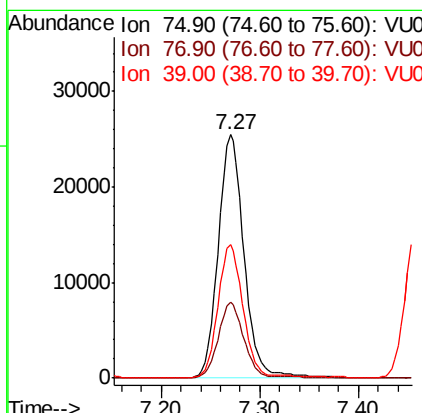
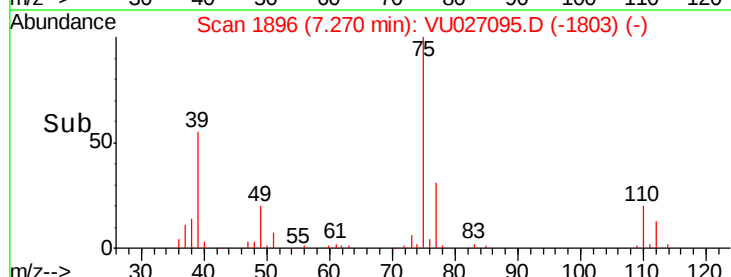
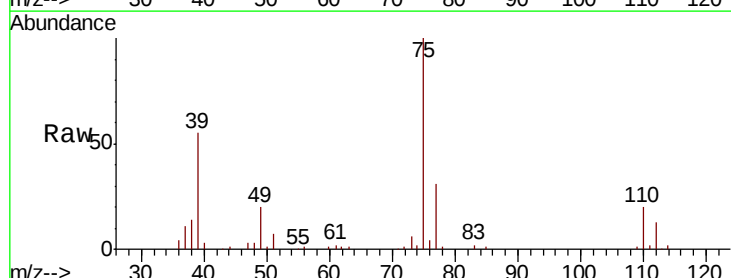
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#54
 cis-1,3-Dichloropropene
 Concen: 19.557 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion: 75 Resp: 46773
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0
 39 54.9 41.6 62.4





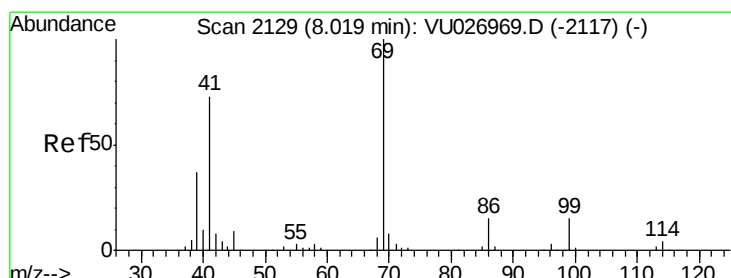
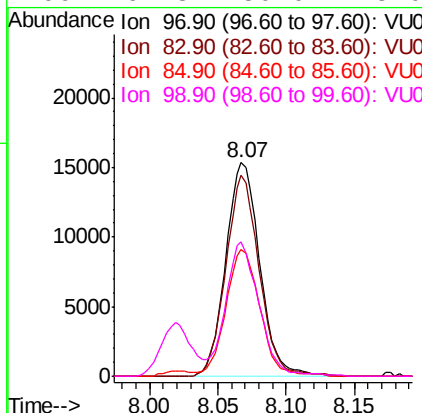
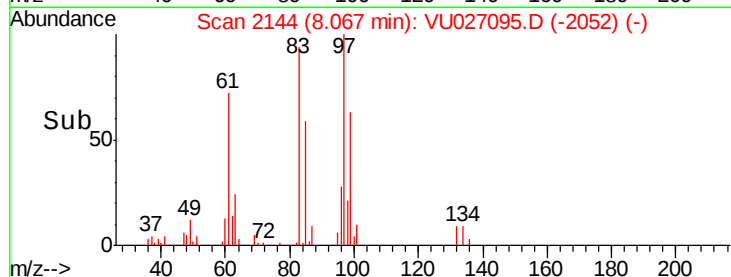
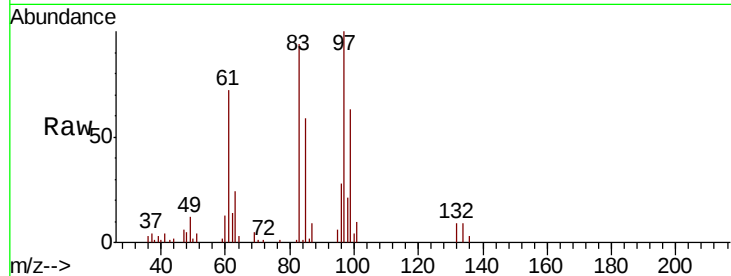
#55
 1,1,2-Trichloroethane
 Concen: 18.827 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion:	97	Resp:	26604
Ion	Ratio	Lower	Upper
97	100		
83	93.9	73.1	109.7
85	59.5	46.7	70.1
99	62.3	50.0	75.0

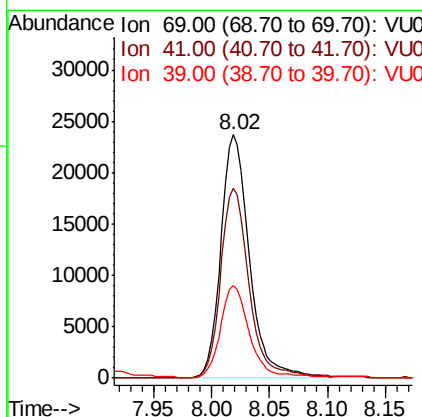
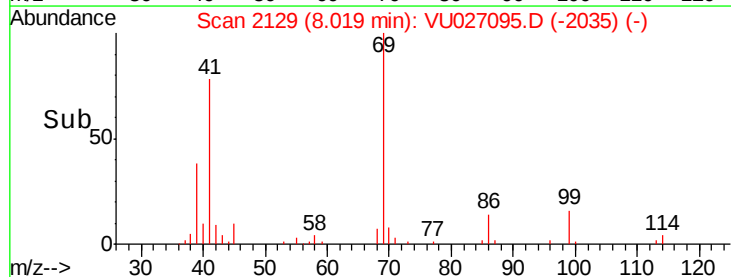
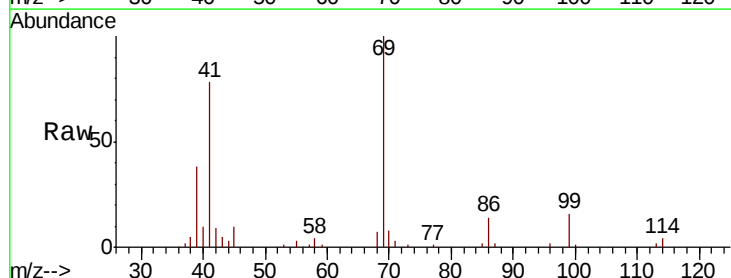
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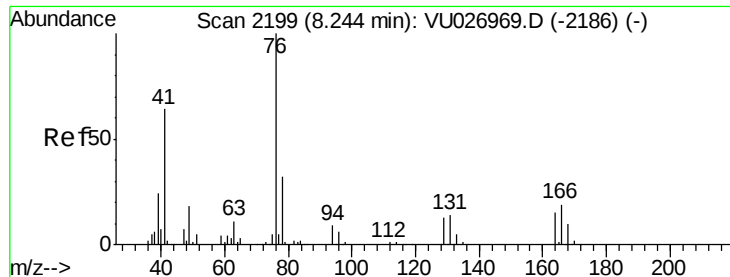
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#56
 Ethyl methacrylate
 Concen: 18.034 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion:	69	Resp:	40620
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.0	88.4
39	39.1	30.2	45.4





#57

1,3-Dichloropropane

Concen: 19.441 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tot Ion: 76 Resp: 51094

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3

Instrument :

MSVOA_U

ClientSampleId :

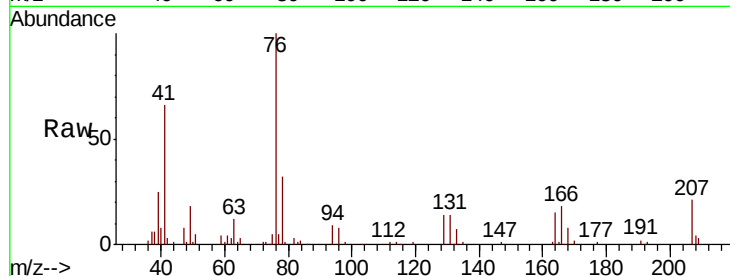
VU0924WBS01

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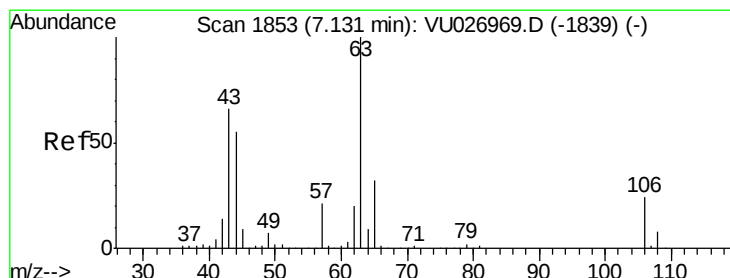
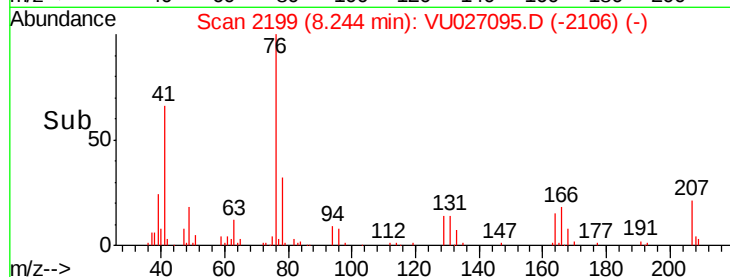
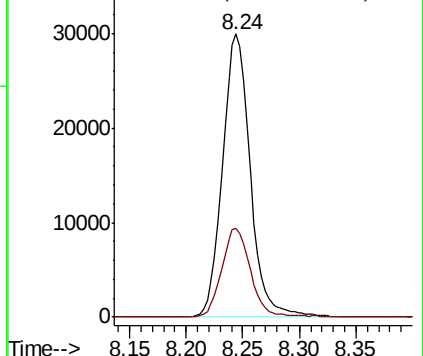
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 92.313 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027095.D

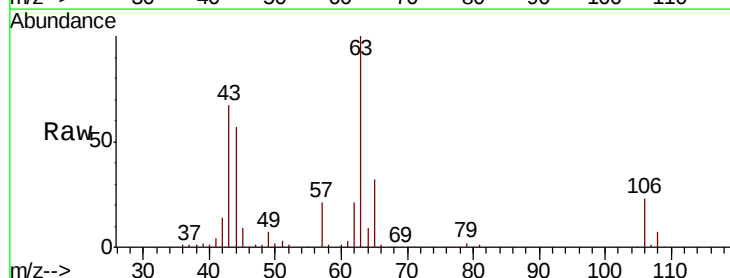
Acq: 24 Sep 2018 09:57

Tgt Ion: 63 Resp: 124098

Ion Ratio Lower Upper

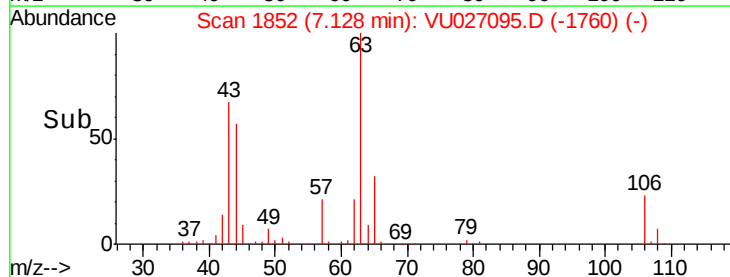
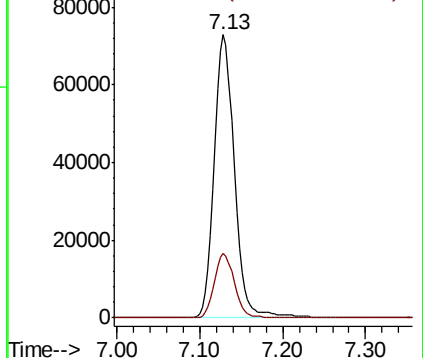
63 100

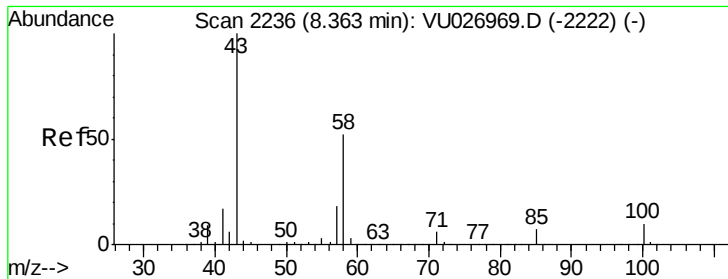
106 22.7 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





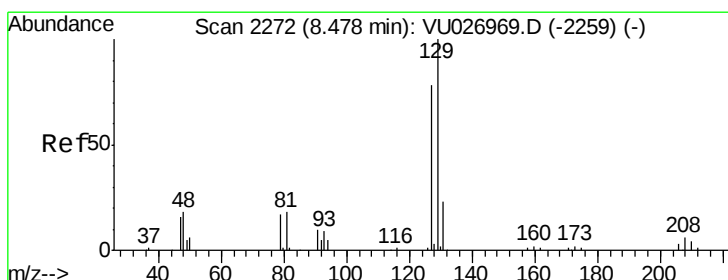
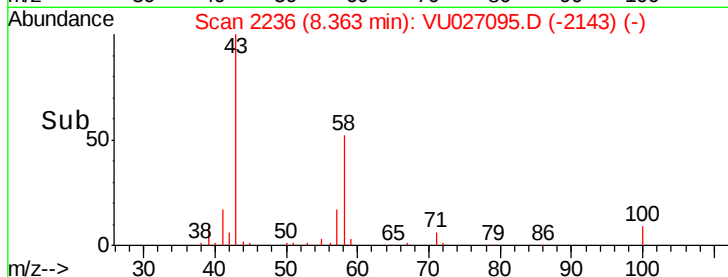
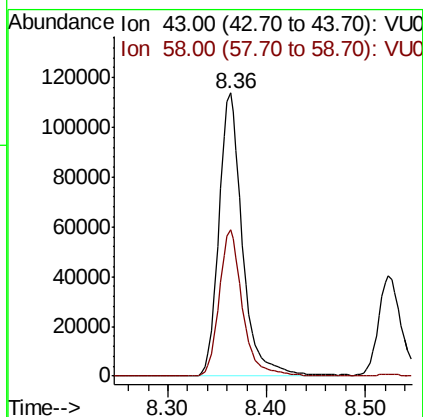
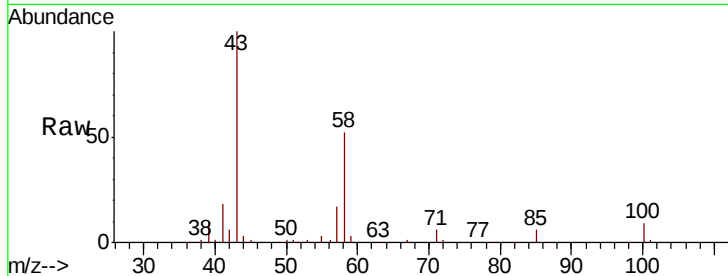
#59
2-Hexanone
Concen: 96.106 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion: 43 Resp: 191173
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.2

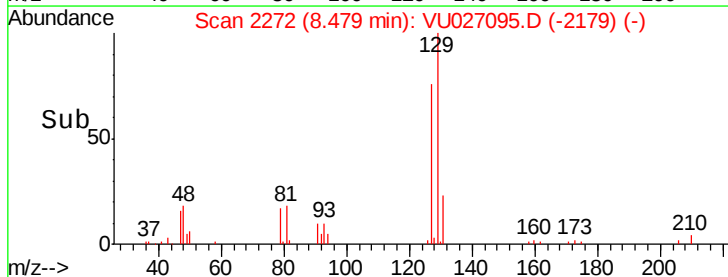
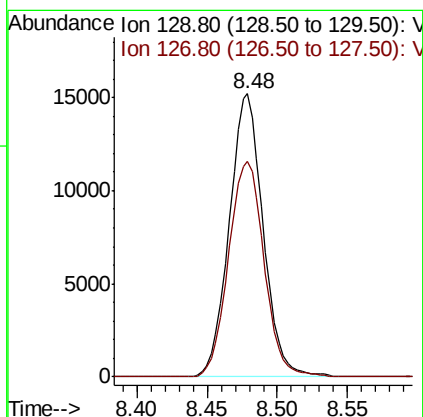
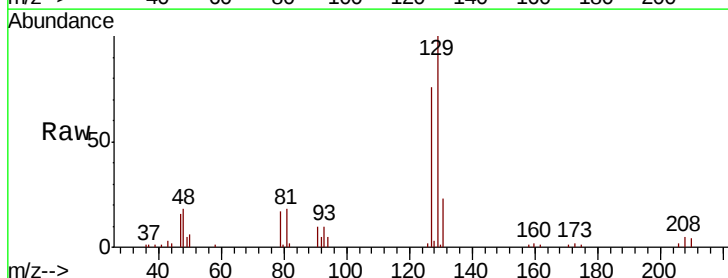
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#60
Dibromochloromethane
Concen: 18.397 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion: 129 Resp: 25499
Ion Ratio Lower Upper
129 100
127 80.1 38.1 114.5





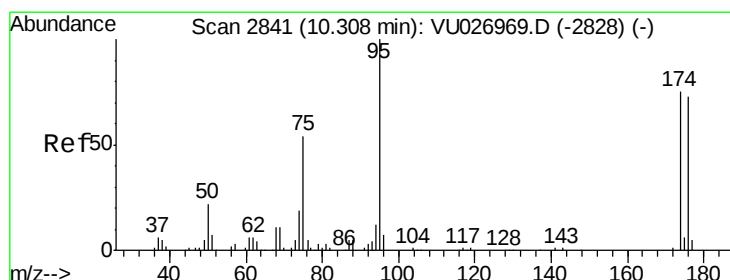
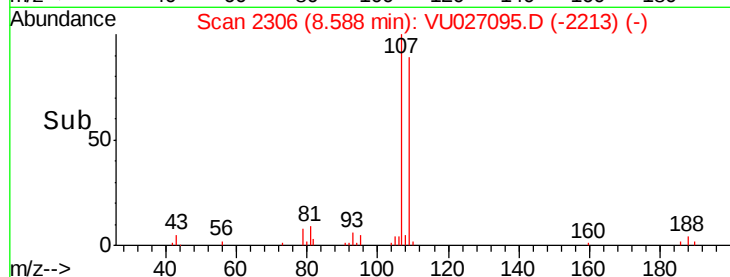
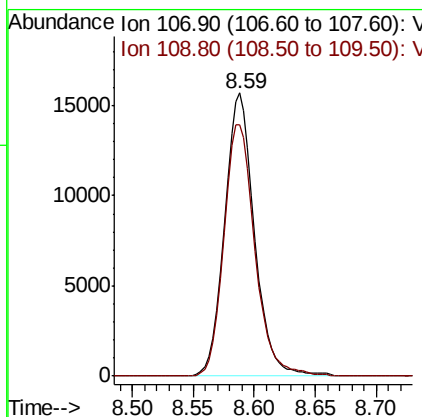
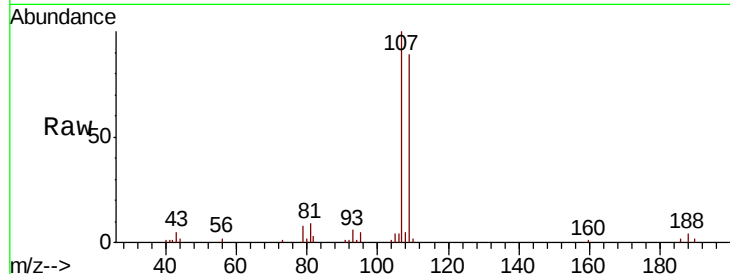
#61
 1,2-Dibromoethane
 Concen: 18.344 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	75.0	112.6

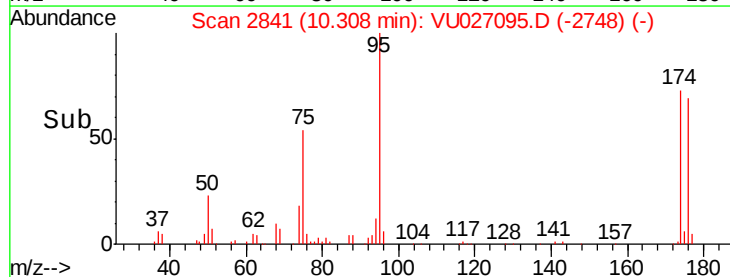
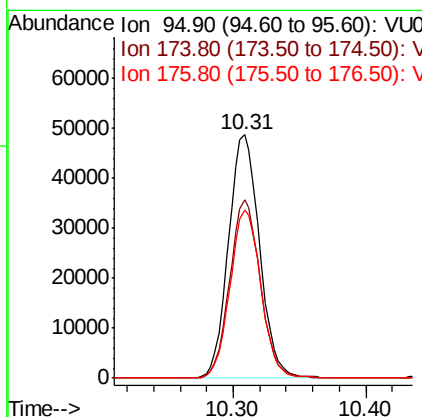
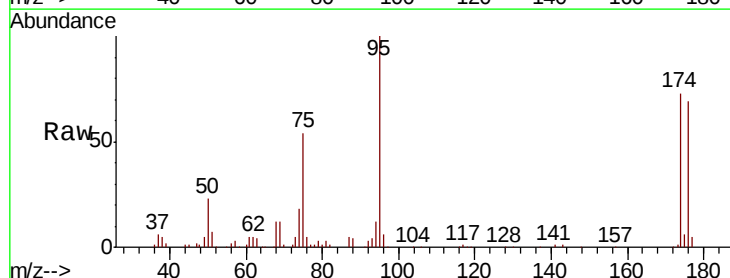
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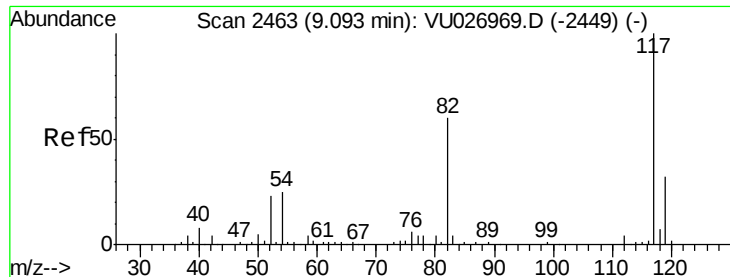
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#62
 4-Bromofluorobenzene
 Concen: 48.744 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	150.2
176	68.7	0.0	145.2





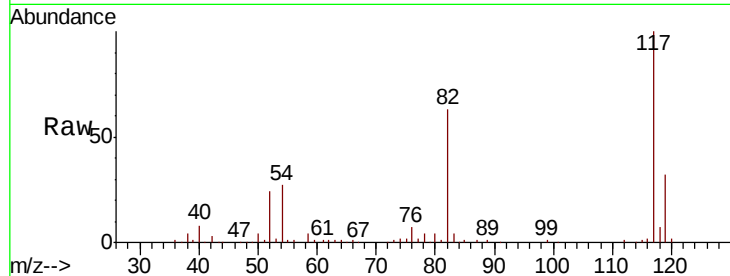
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	48.0	72.0
119	31.6	25.8	38.8

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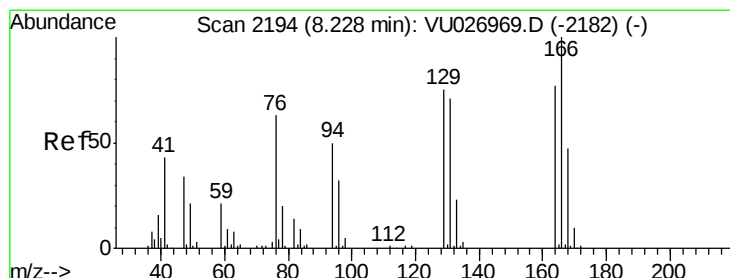
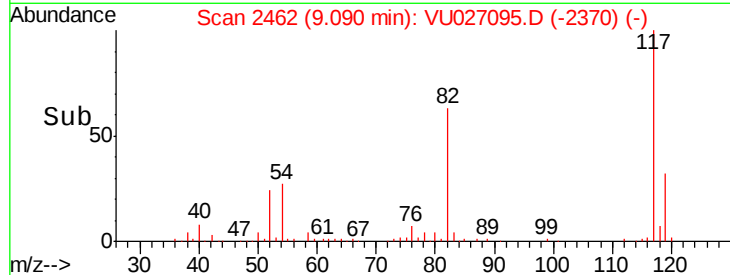
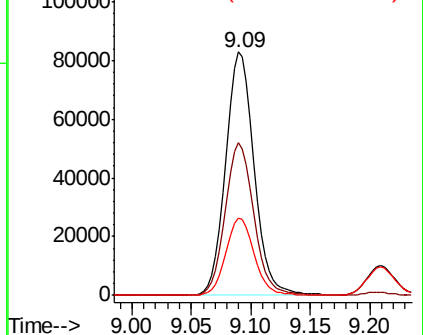


Abundance

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: 18.149 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	104.4	156.6
129	100.2	78.7	118.1
131	93.0	73.9	110.9

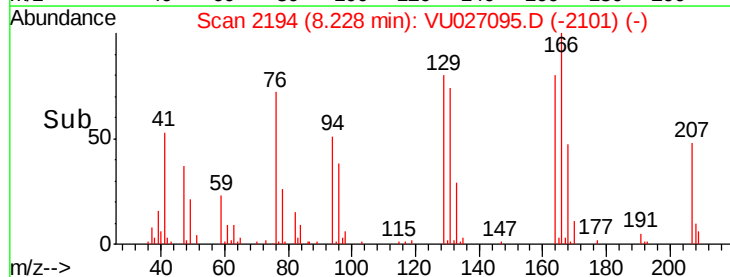
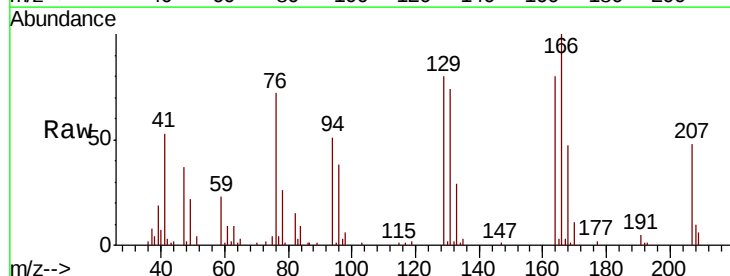
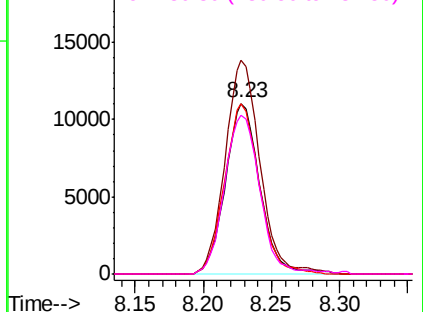
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





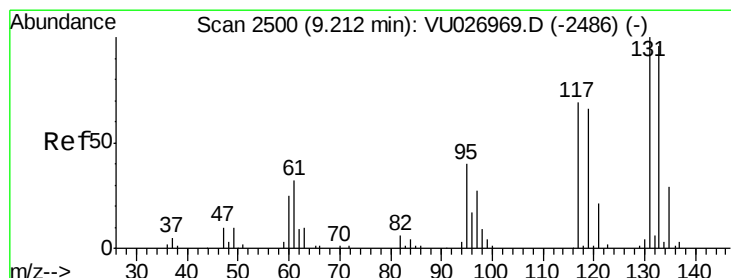
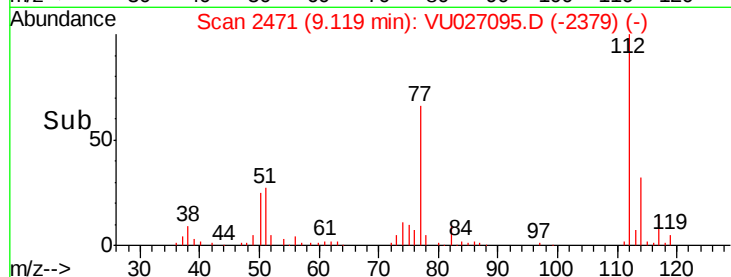
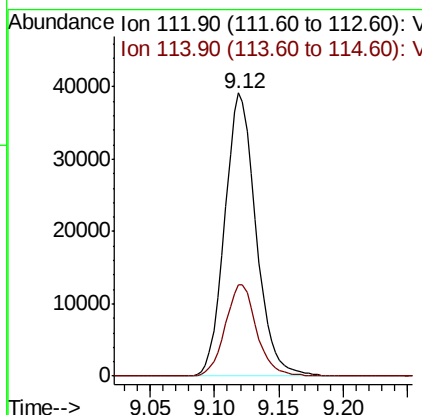
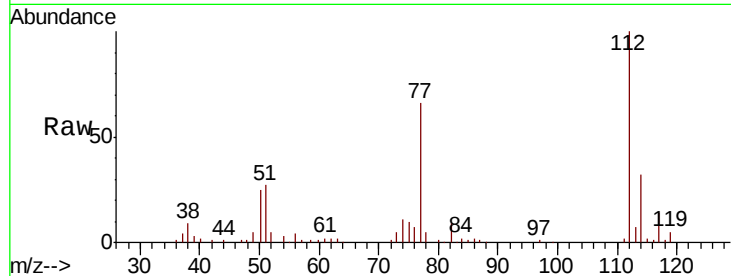
#65
Chlorobenzene
Concen: 17.993 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion:112 Resp: 65826
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

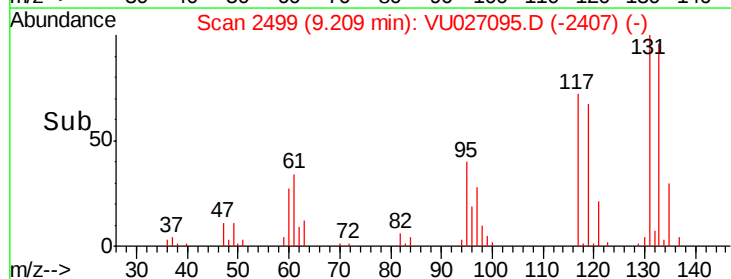
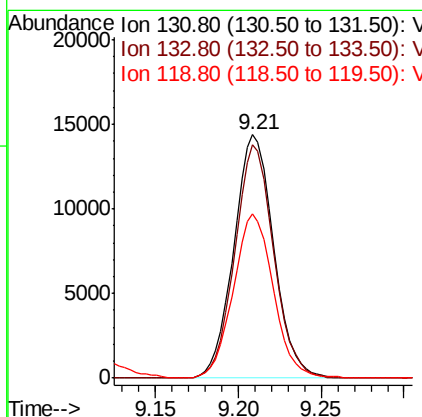
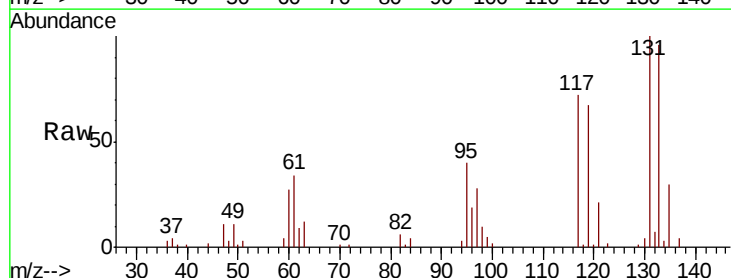
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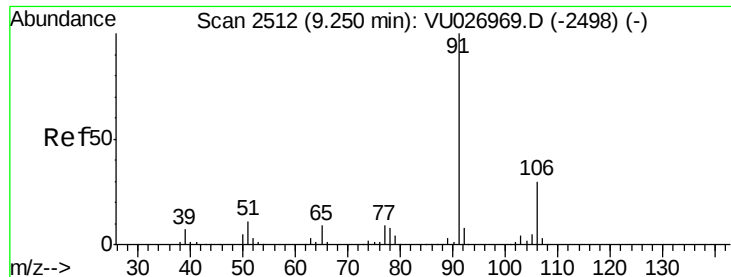
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.093 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion:131 Resp: 24059
Ion Ratio Lower Upper
131 100
133 93.3 48.0 144.2
119 67.8 33.4 100.1





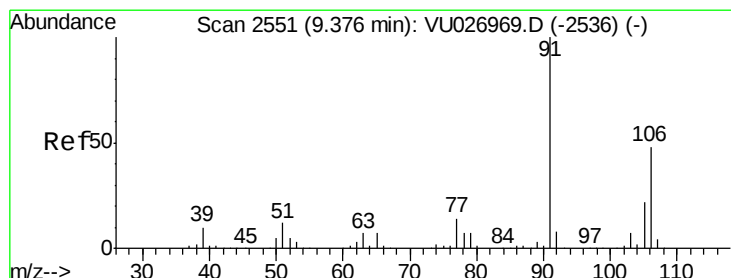
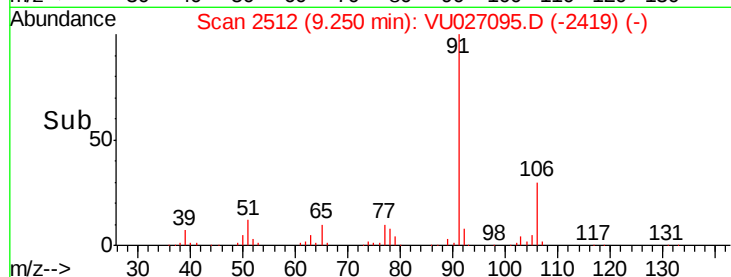
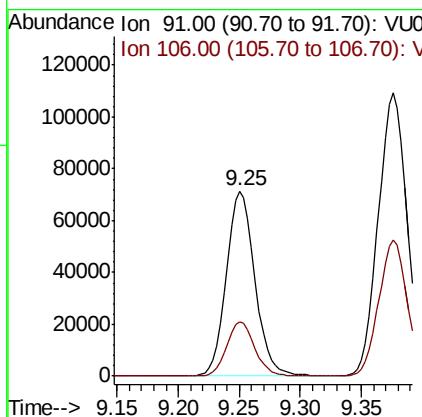
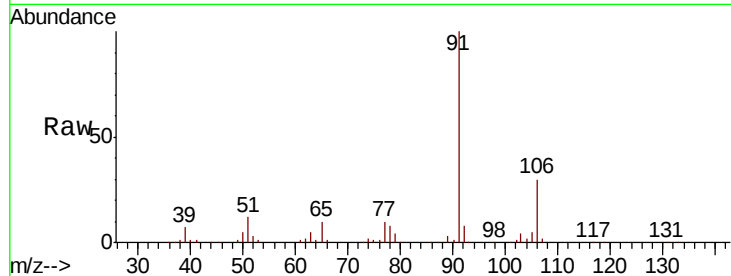
#67
Ethyl Benzene
Concen: 19.492 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion: 91 Resp: 117259
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8

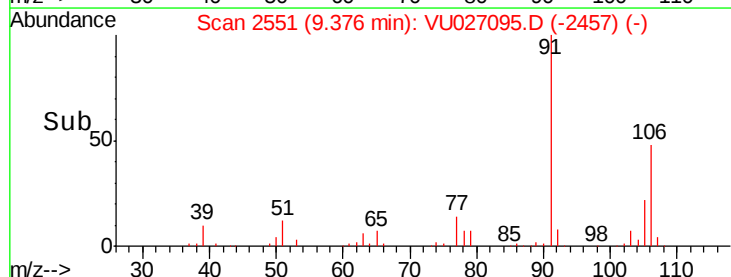
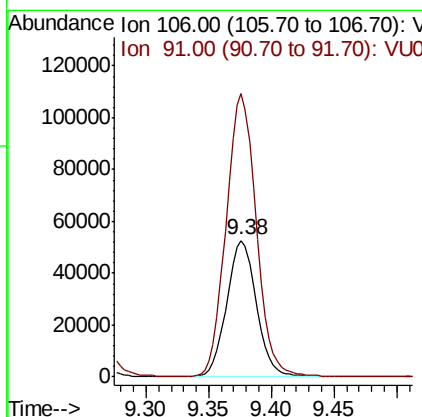
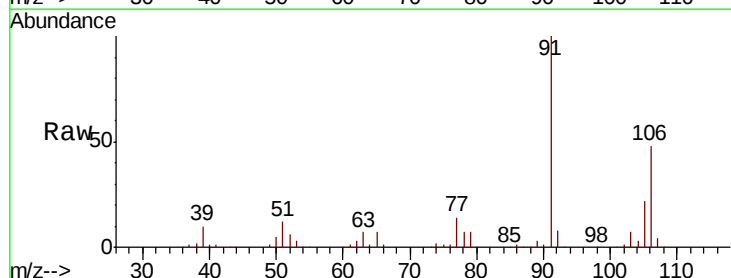
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#68
m/p-Xylenes
Concen: 36.588 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion: 106 Resp: 86784
Ion Ratio Lower Upper
106 100
91 210.8 166.5 249.7





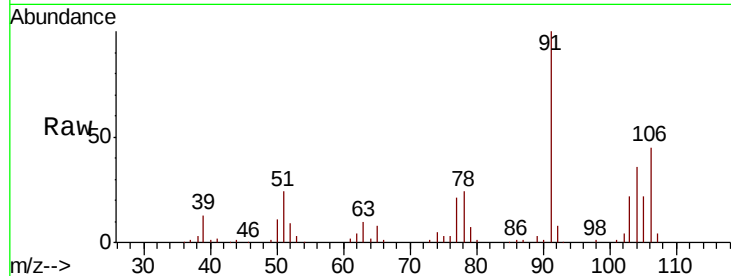
#69
o-Xylene
Concen: 19.270 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

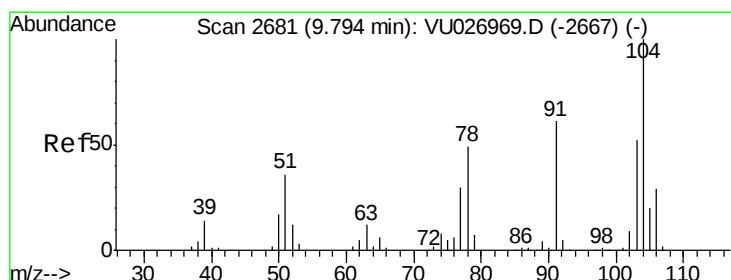
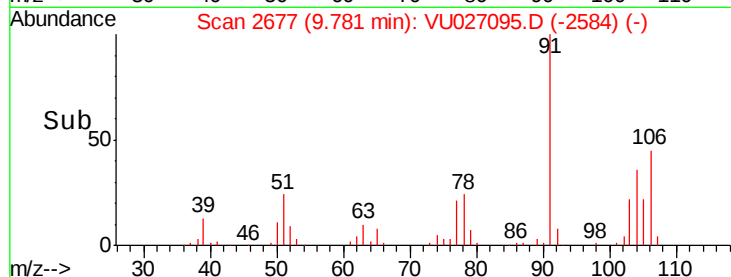
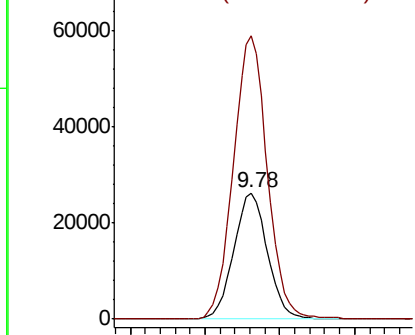
Tot Ion:106 Resp: 41074
Ion Ratio Lower Upper
106 100
91 225.6 110.2 330.6

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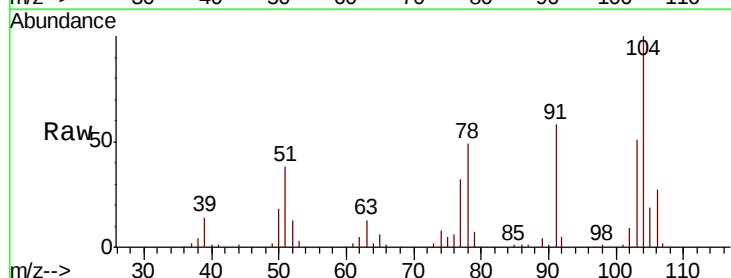


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

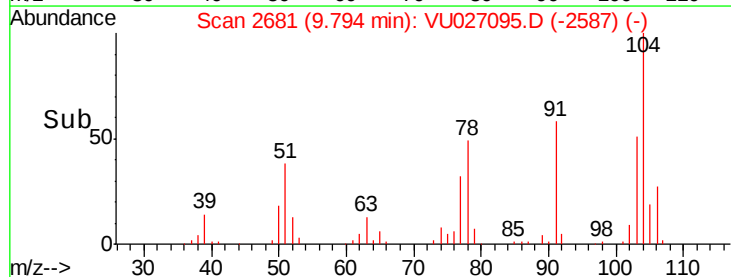
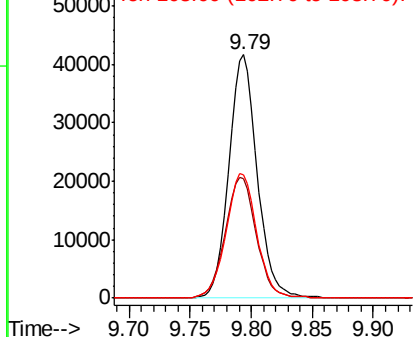


#70
Styrene
Concen: 18.250 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion:104 Resp: 67885
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.4
103 55.3 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.340 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion:173 Resp: 17871

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

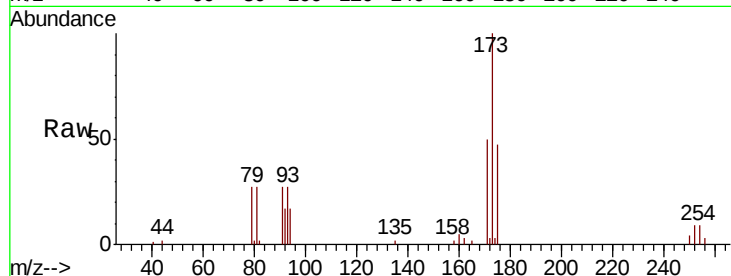
254 0.0 0.0 0.0

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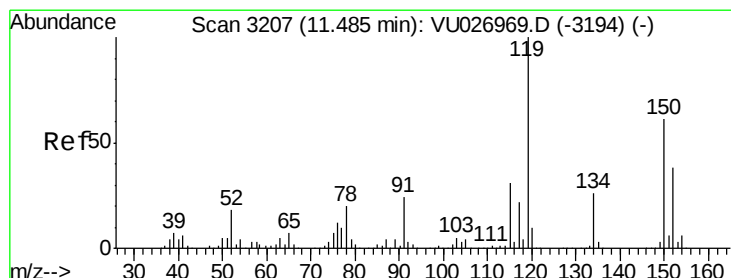
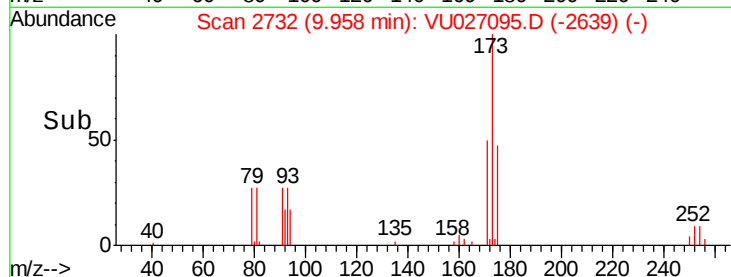
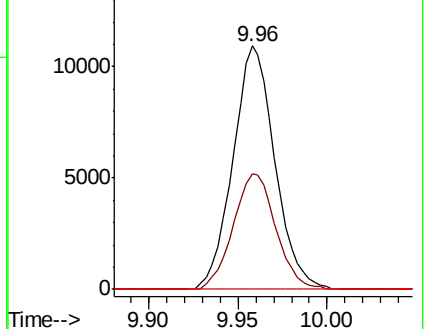
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

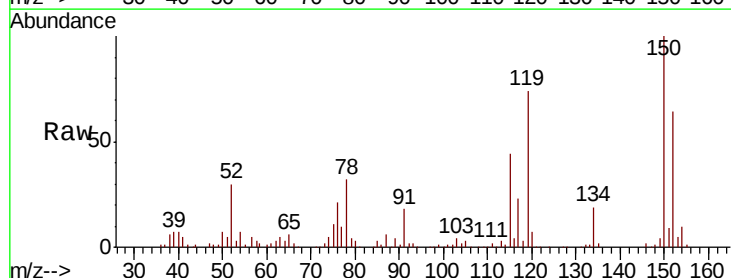
Tgt Ion:152 Resp: 72840

Ion Ratio Lower Upper

152 100

115 71.7 44.9 134.5

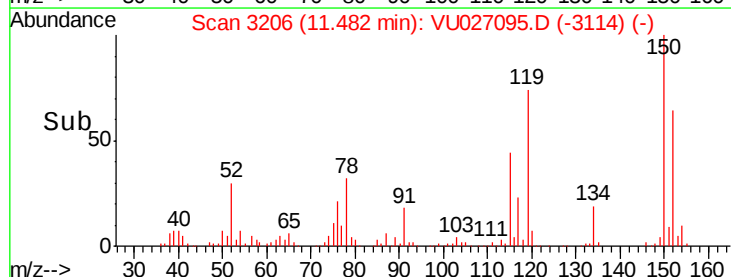
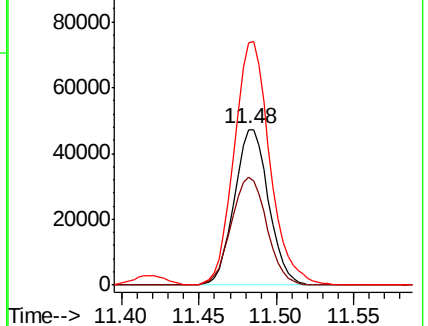
150 162.5 0.0 355.8

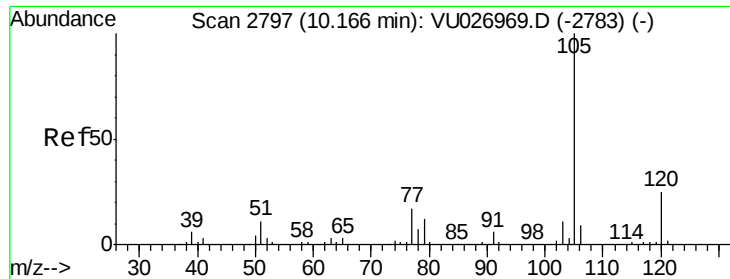


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.254 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion: 105 Resp: 112224

Ion Ratio Lower Upper

105 100

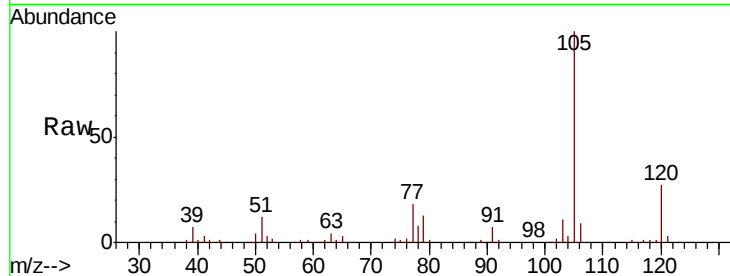
120 26.0 12.8 38.4

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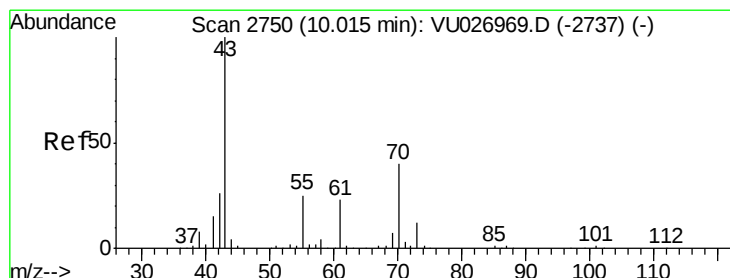
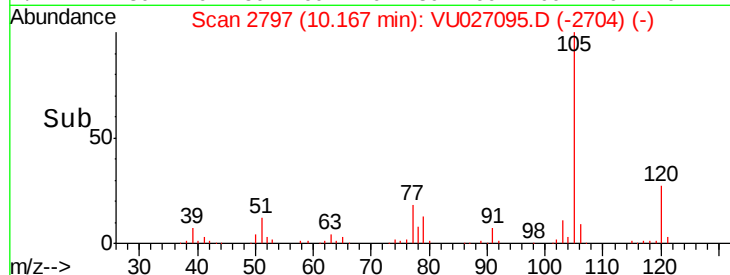
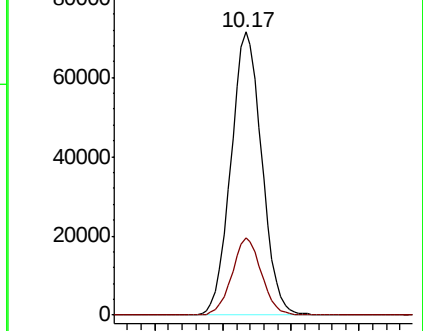
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.737 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion: 43 Resp: 63301

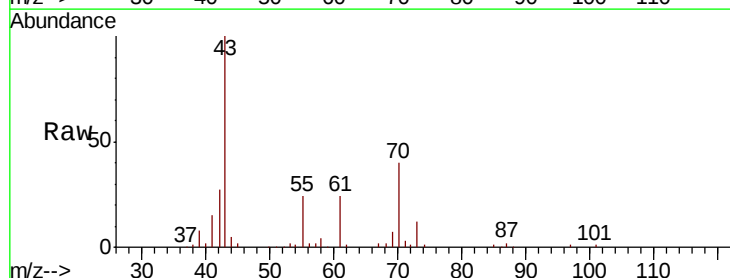
Ion Ratio Lower Upper

43 100

70 38.2 31.8 47.8

55 24.7 19.9 29.9

61 22.6 18.4 27.6

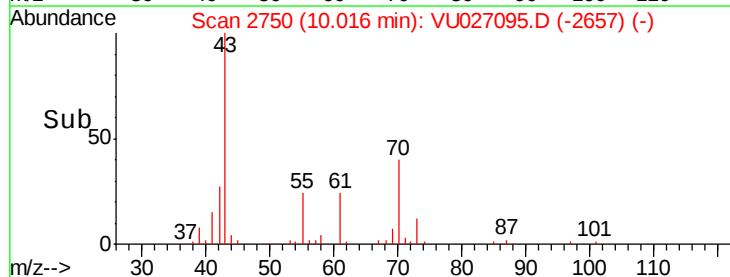
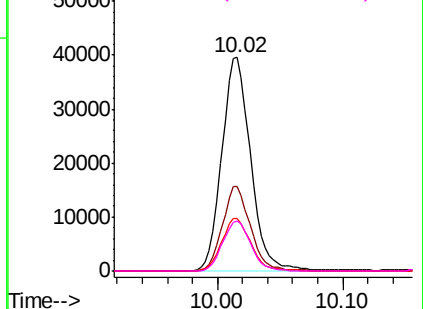


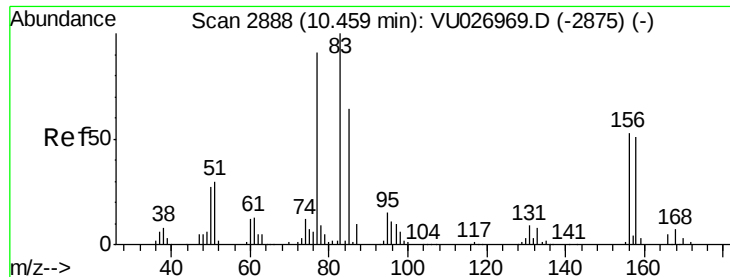
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.818 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

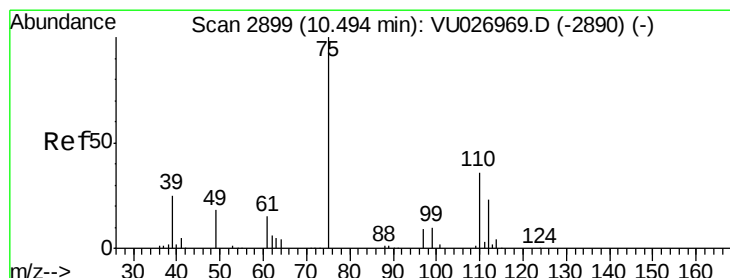
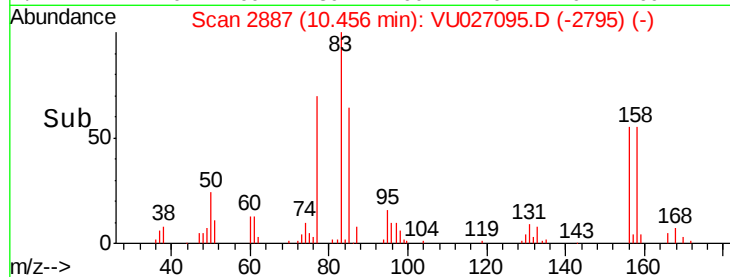
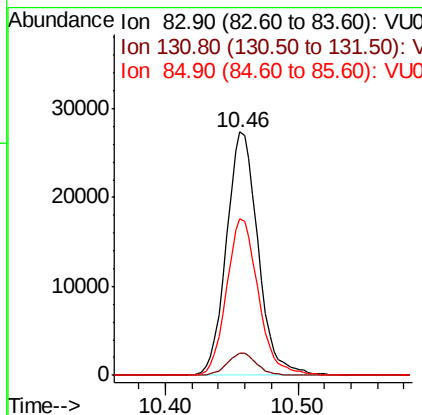
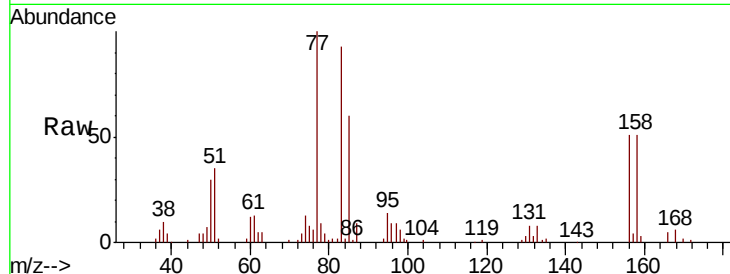
ClientSampleId :

VU0924WBS01

Tot Ion:	83	Resp:	45391
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	12.8
85	64.7	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 19.133 ug/l m

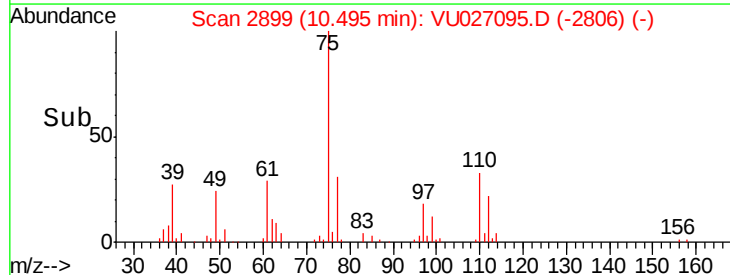
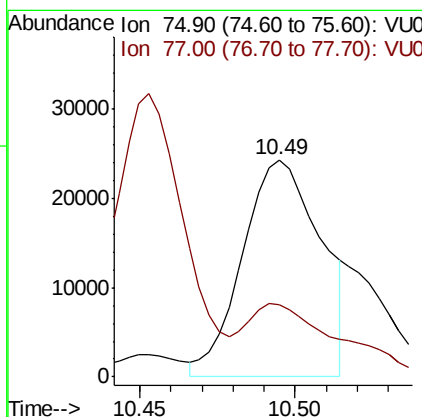
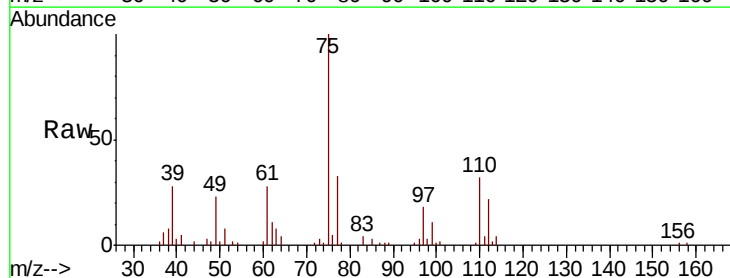
RT: 10.49 min Scan# 2899

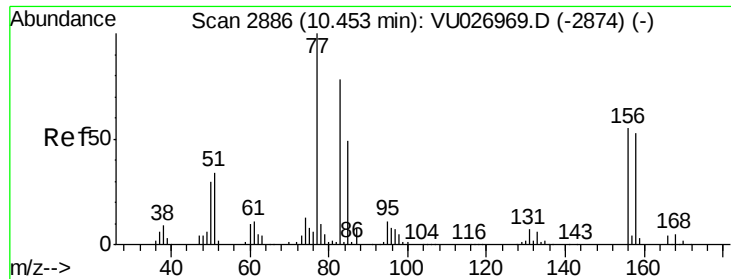
Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	75	Resp:	42338
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.9	62.8





#77

Bromobenzene

Concen: 18.574 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

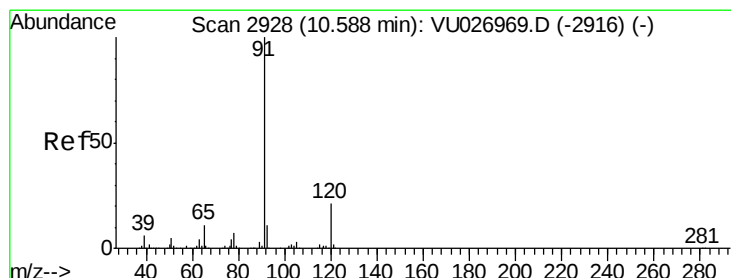
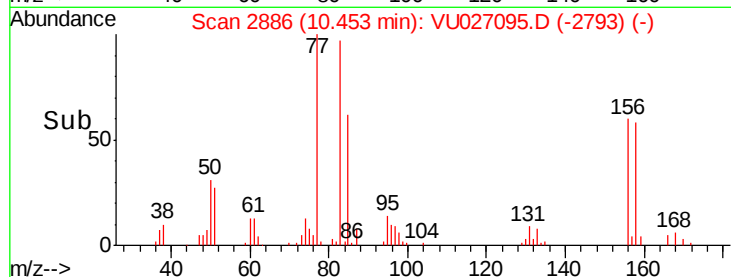
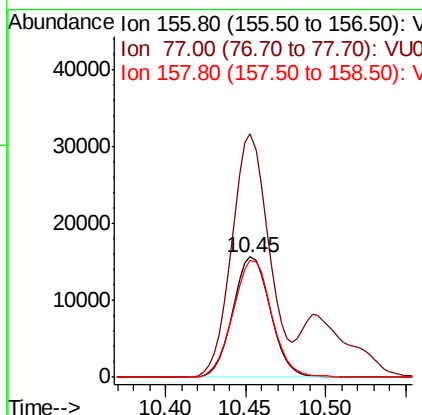
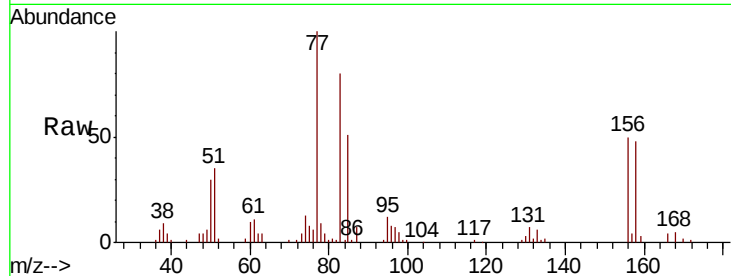
ClientSampleId :

VU0924WBS01

Tot Ion:	156	Resp:	25149
Ion	Ratio	Lower	Upper
156	100		
77	199.7	92.3	276.9
158	99.6	48.1	144.3

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#78

n-propylbenzene

Concen: 20.765 ug/l

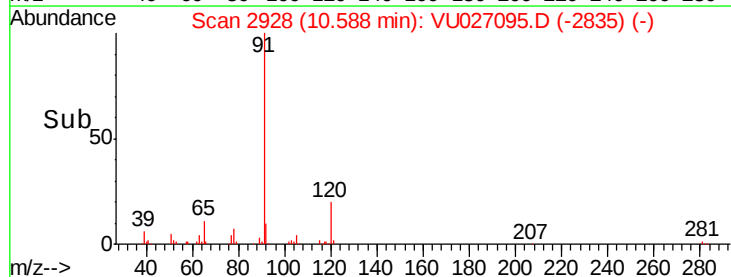
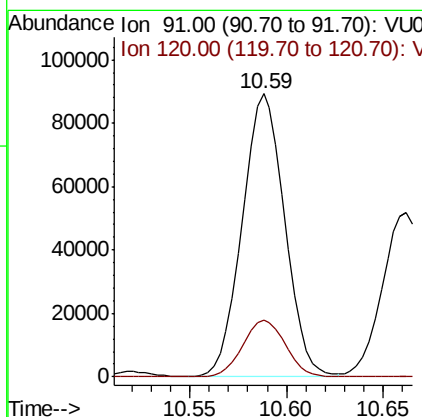
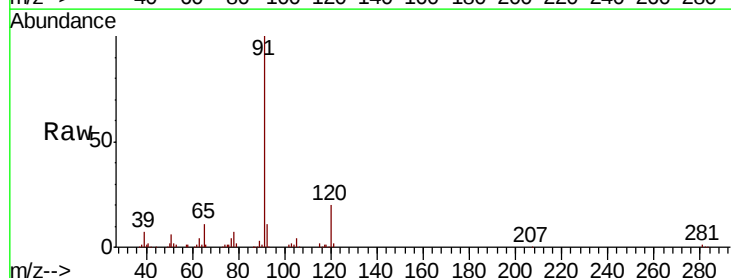
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	91	Resp:	136136
Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.6	31.8





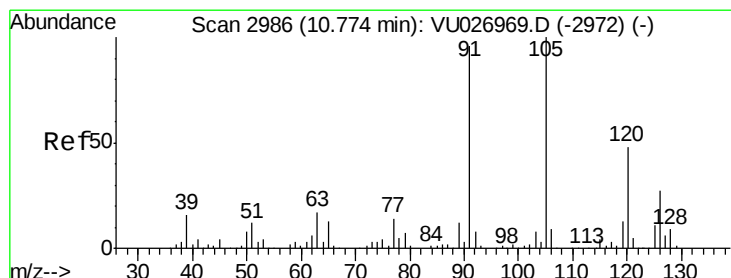
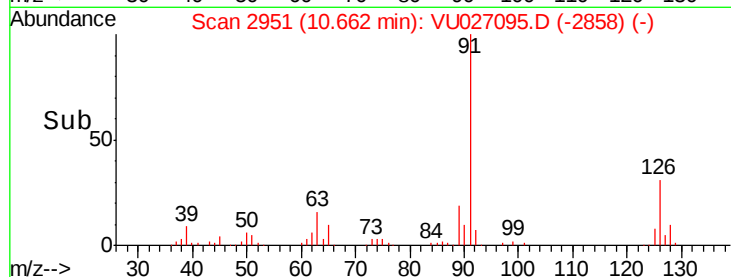
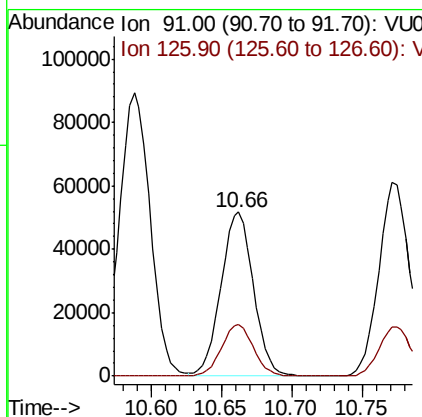
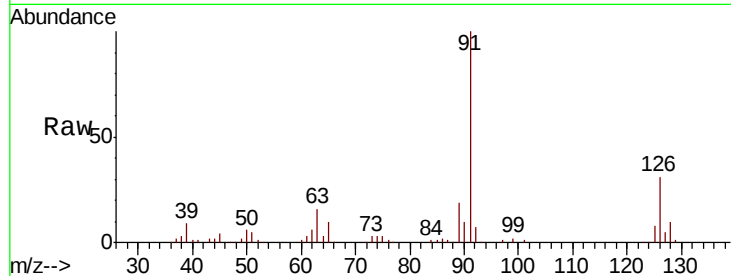
#79
2-Chlorotoluene
Concen: 20.166 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion: 91 Resp: 83045
Ion Ratio Lower Upper
91 100
126 31.1 15.8 47.3

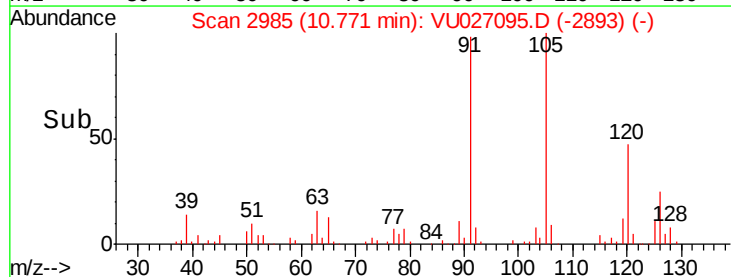
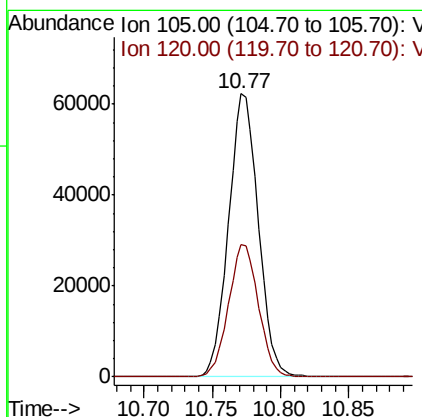
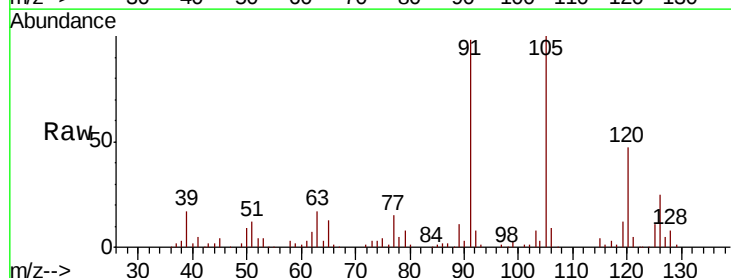
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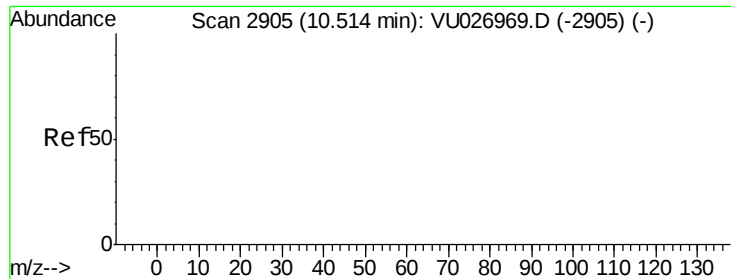
MMDadoda
9/25/2018 11:34:13 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.644 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion: 105 Resp: 94421
Ion Ratio Lower Upper
105 100
120 46.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.766 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

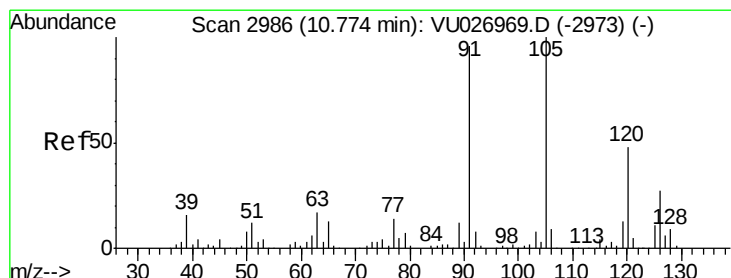
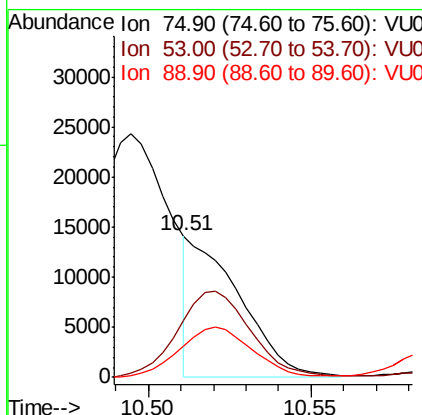
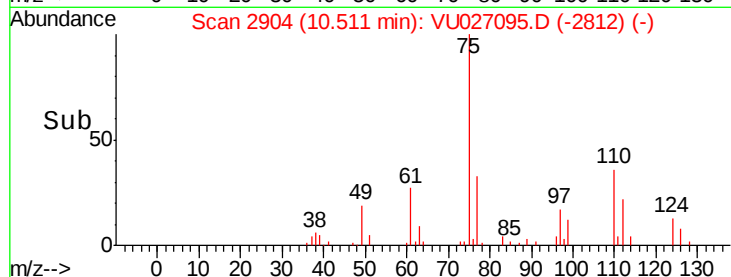
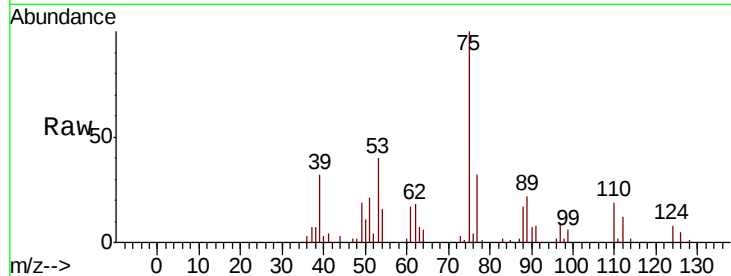
Instrument :
MSVOA_U

ClientSampleId :
VU0924WBS01

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: 20.581 ug/l

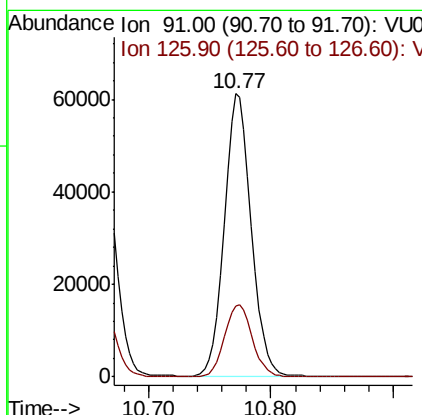
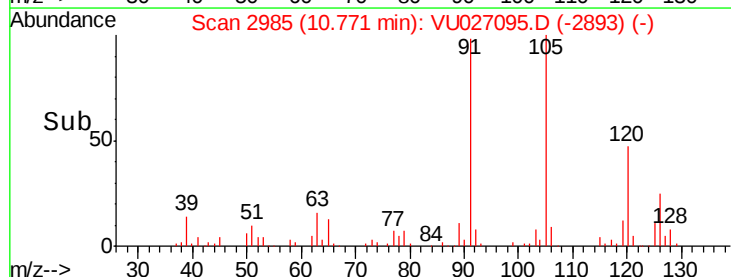
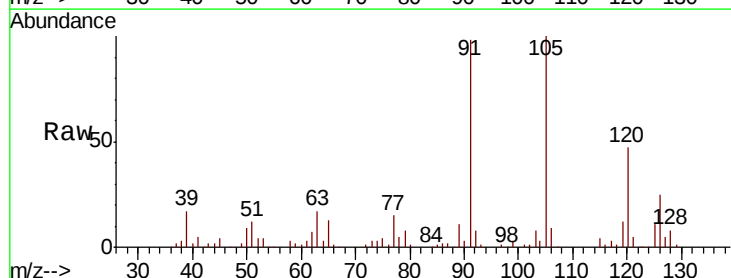
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	26.3	14.1	42.2





#83

tert-Butylbenzene

Concen: 20.041 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

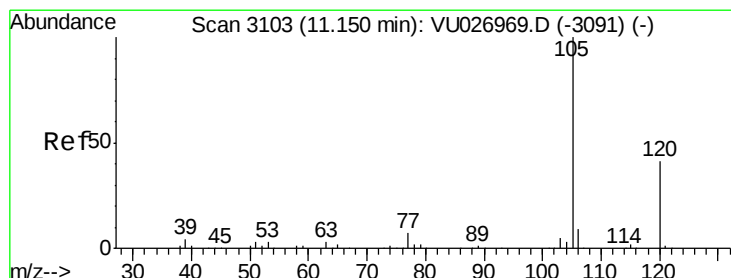
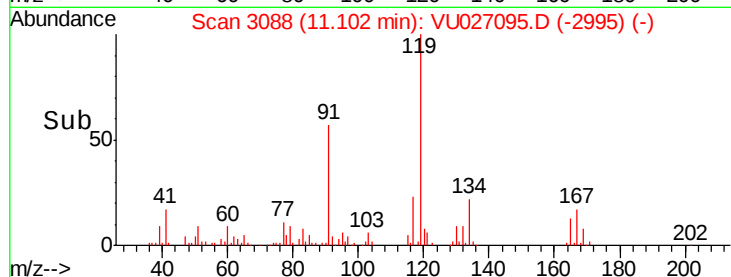
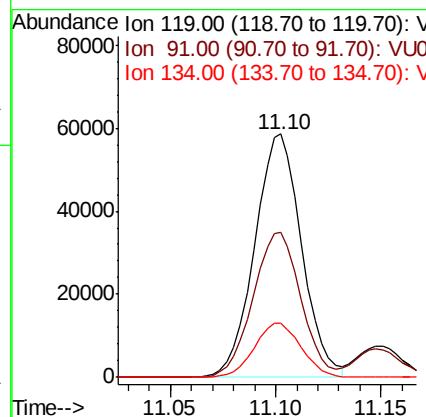
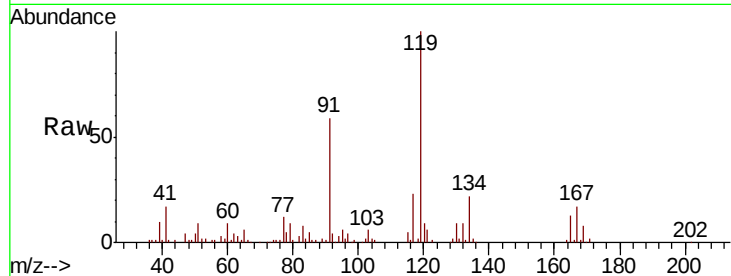
ClientSampleId :

VU0924WBS01

Tot Ion:	119	Resp:	90623
Ion Ratio	Lower	Upper	
119	100		
91	60.5	29.8	89.4
134	22.2	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.652 ug/l

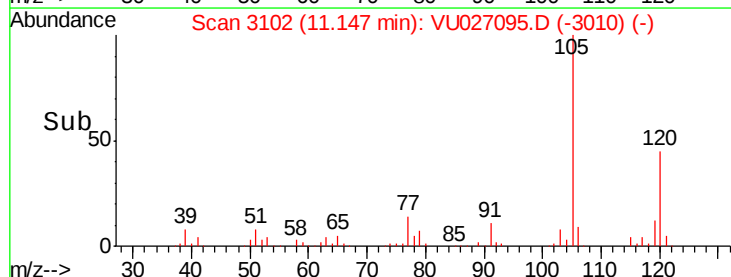
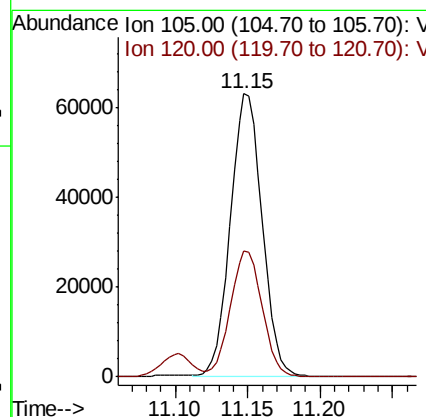
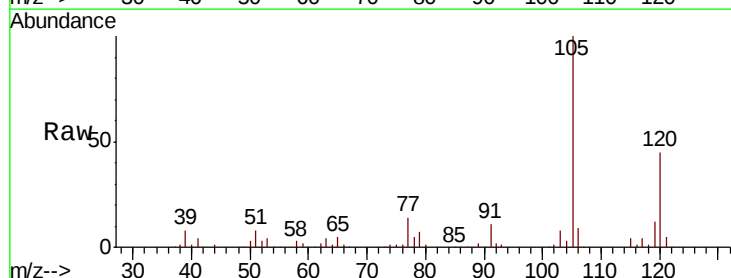
RT: 11.15 min Scan# 3102

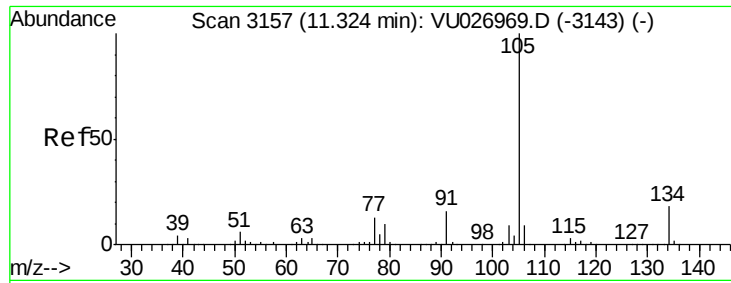
Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	105	Resp:	96130
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.4	67.2





#85

sec-Butylbenzene

Concen: 20.369 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion:105 Resp: 112434

Ion Ratio Lower Upper

105 100

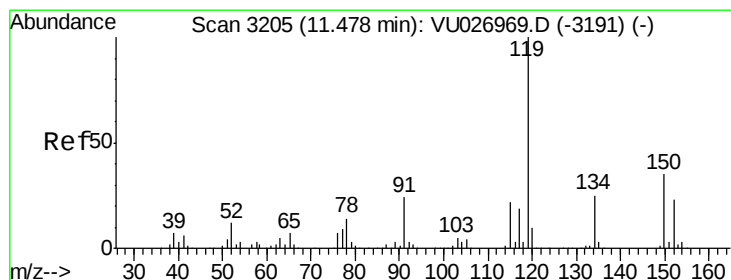
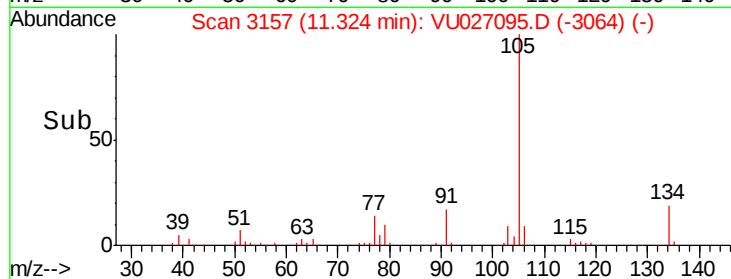
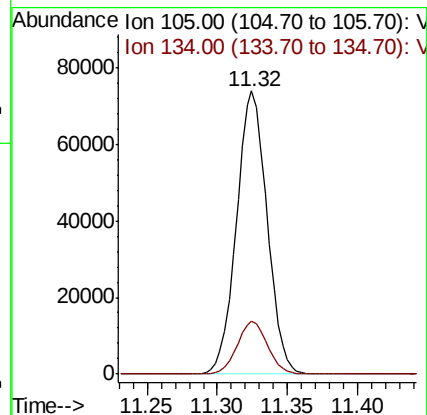
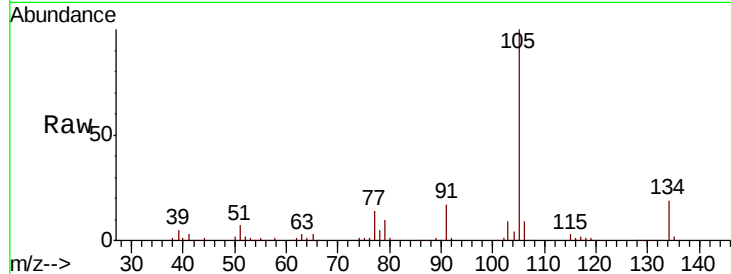
134 18.4 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 18.980 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

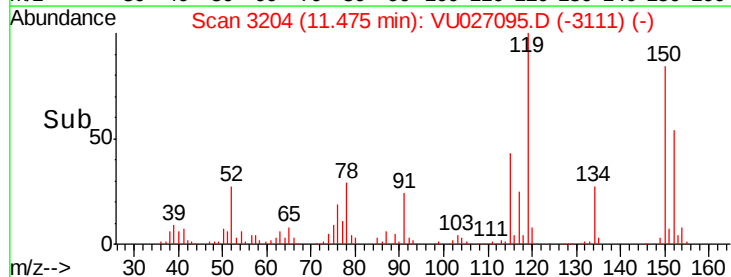
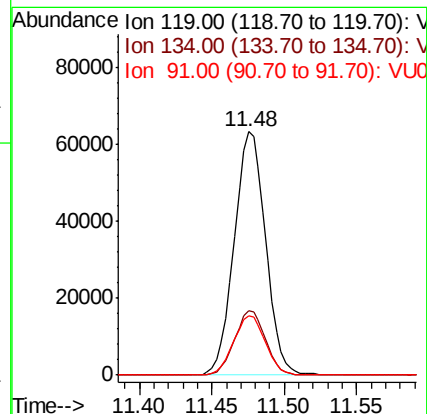
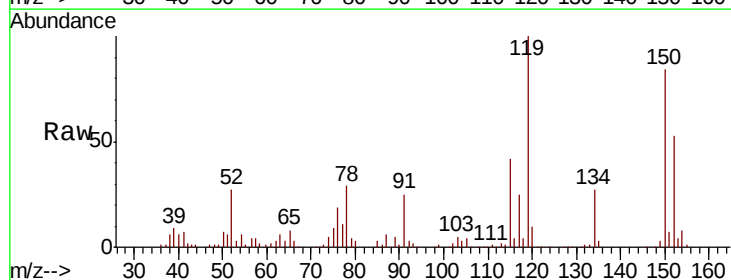
Tgt Ion:119 Resp: 95270

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 24.8 12.3 36.8





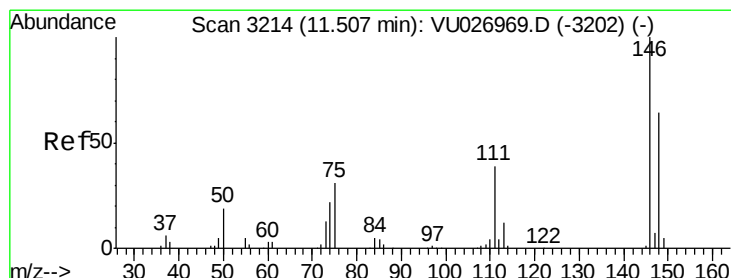
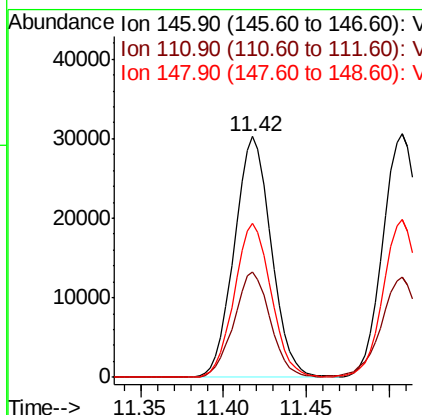
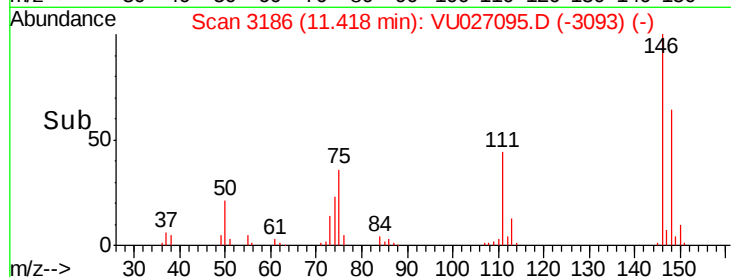
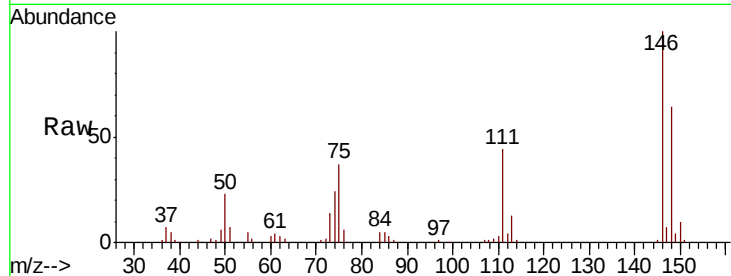
#87
 1,3-Dichlorobenzene
 Concen: 18.626 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.8	62.2
148	63.7	32.0	96.2

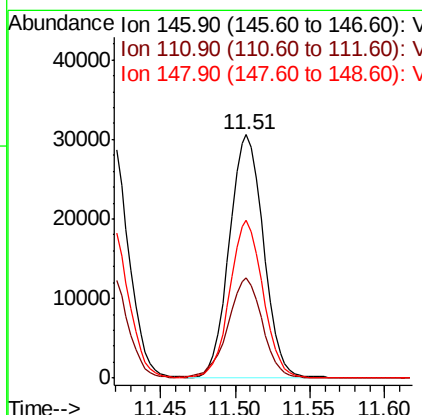
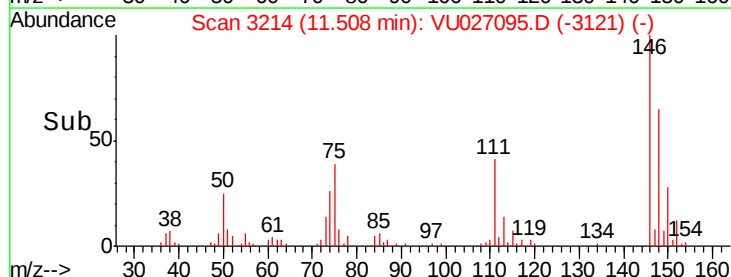
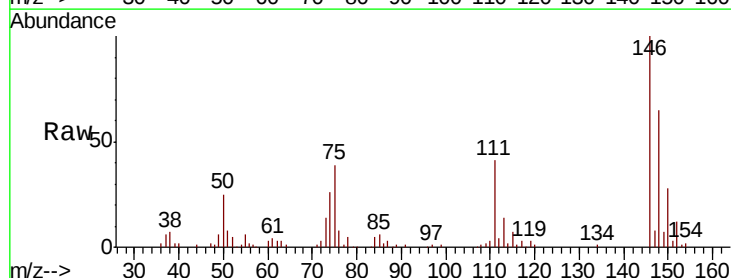
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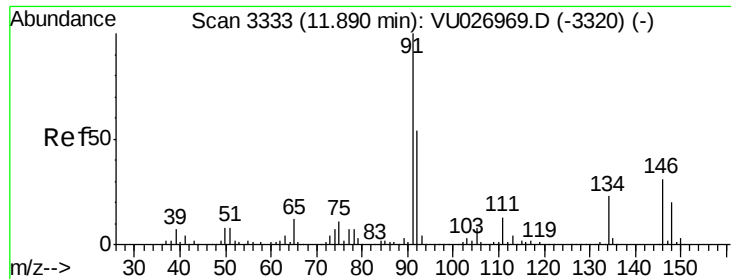
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#88
 1,4-Dichlorobenzene
 Concen: 17.753 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.9
148	63.2	31.9	95.9





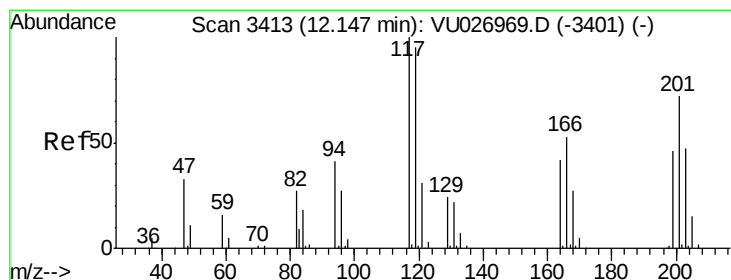
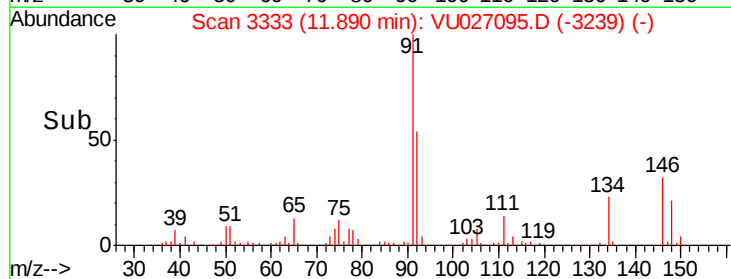
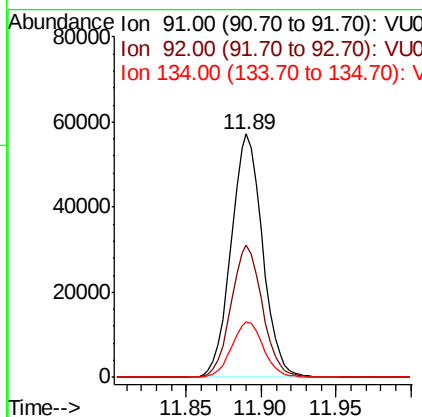
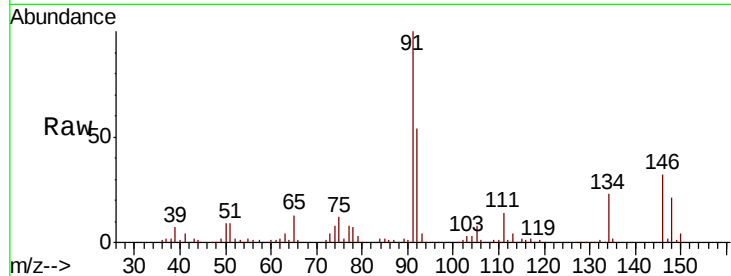
#89
n-Butylbenzene
Concen: 18.283 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Instrument :
MSVOA_U
ClientSampleId :
VU0924WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.1	81.2
134	23.1	11.7	35.0

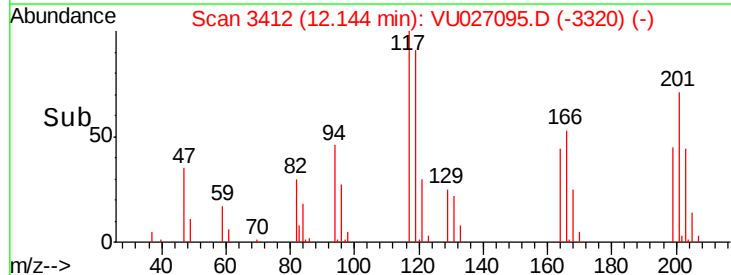
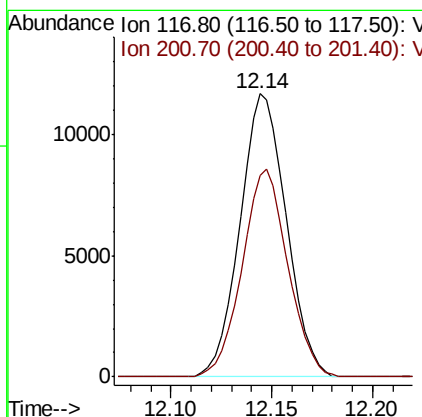
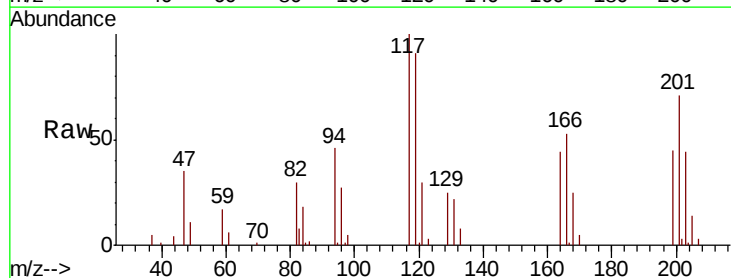
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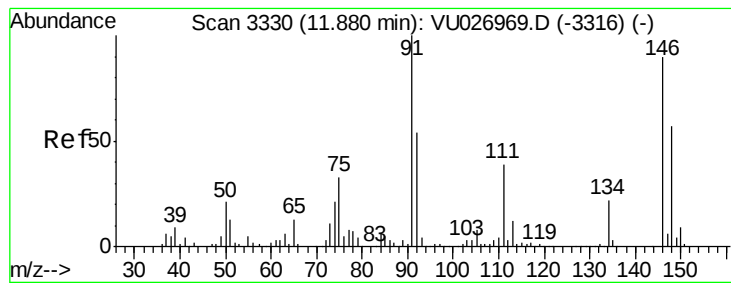
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#90
Hexachloroethane
Concen: 18.676 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027095.D
Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	36.8	110.3





#91

1,2-Dichlorobenzene

Concen: 17.934 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

ClientSampleId :

VU0924WBS01

Tot Ion:146 Resp: 48000

Ion Ratio Lower Upper

146 100

111 44.4 21.8 65.3

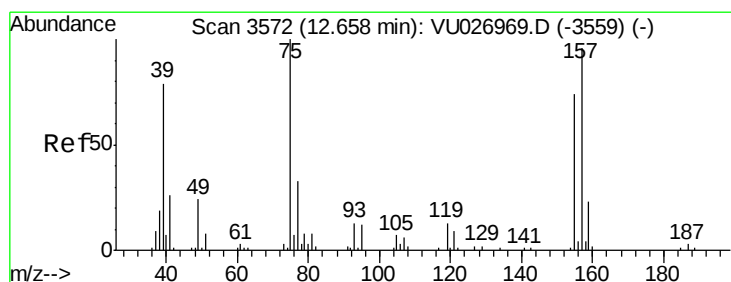
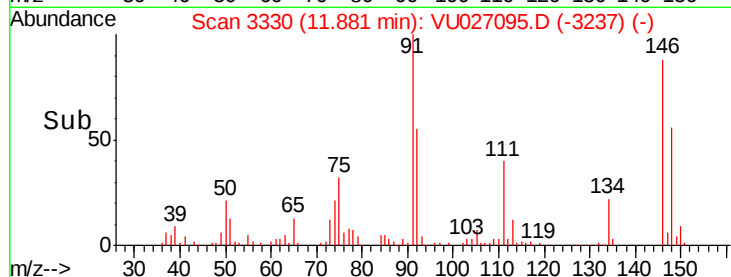
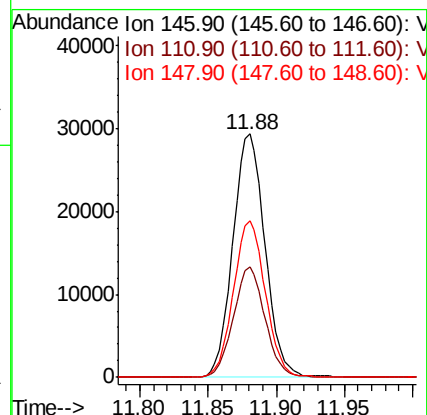
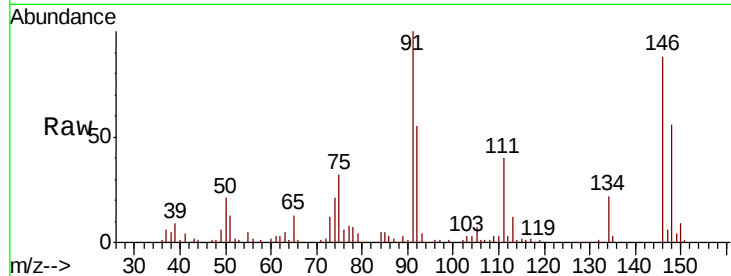
148 63.7 31.9 95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.070 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

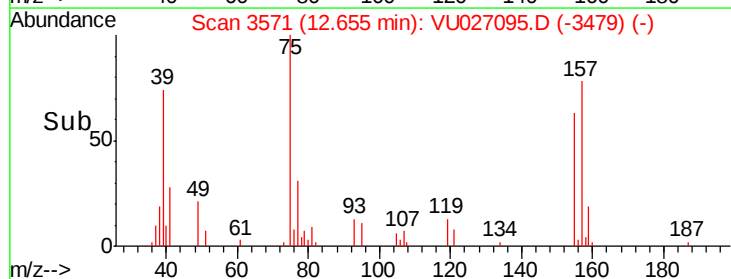
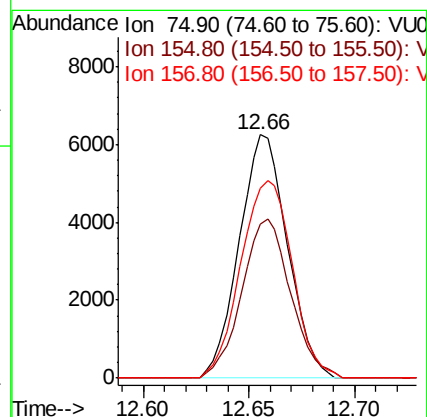
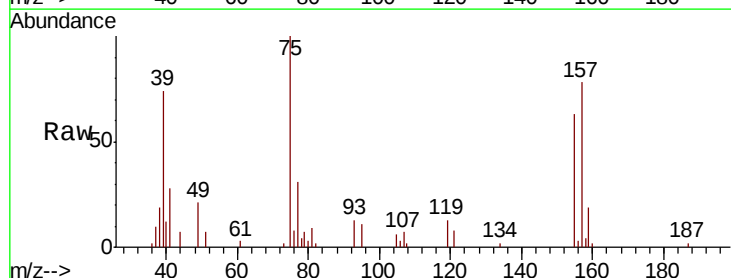
Tgt Ion: 75 Resp: 9911

Ion Ratio Lower Upper

75 100

155 66.4 36.6 109.8

157 86.9 47.4 142.2





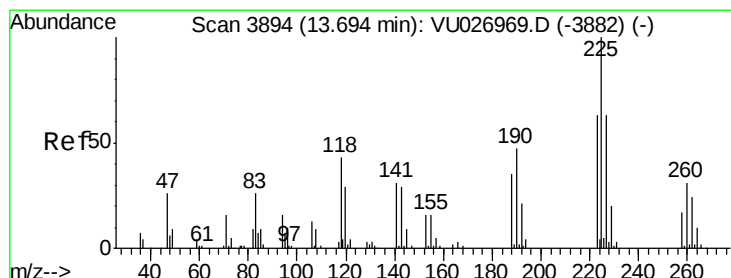
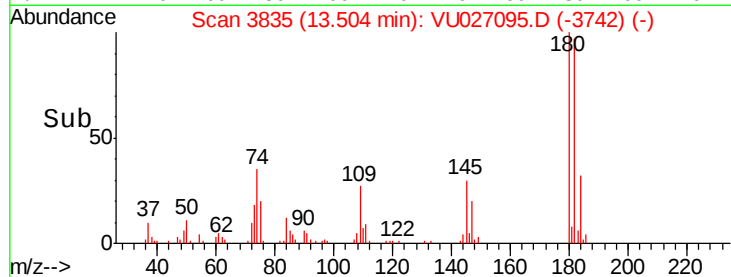
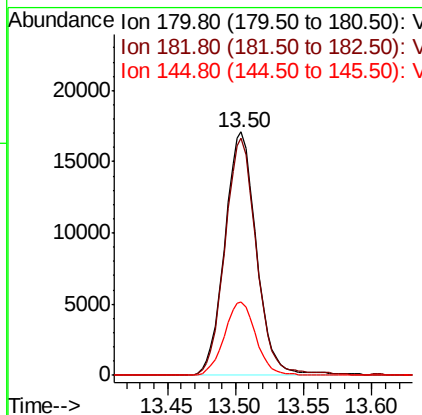
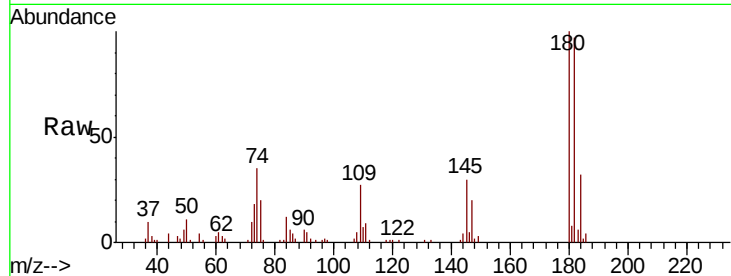
#93
 1,2,4-Trichlorobenzene
 Concen: 17.898 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0924WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	29.9	14.9	44.5

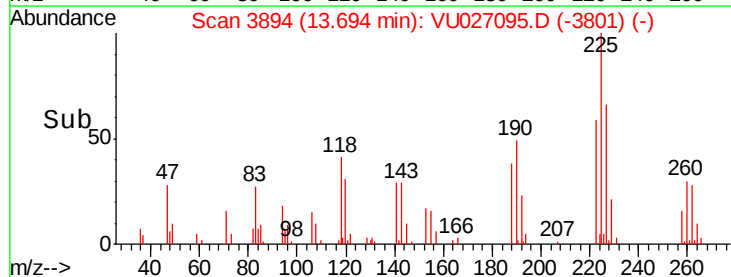
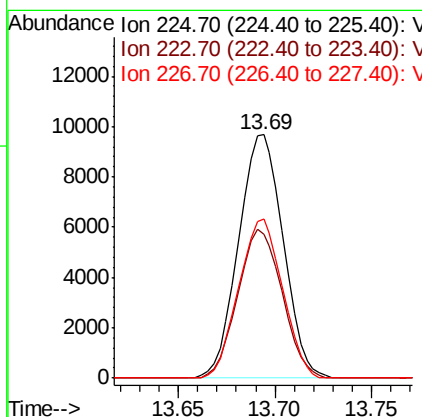
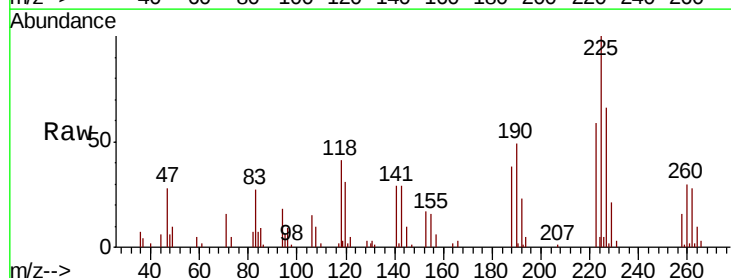
Manual Integrations
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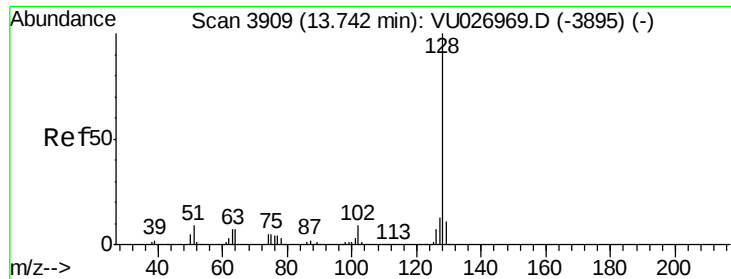
MMDadoda
 9/25/2018 11:34:13 AM



#94
 Hexachlorobutadiene
 Concen: 19.070 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027095.D
 Acq: 24 Sep 2018 09:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.9	95.7
227	64.0	32.1	96.5





#95

Naphthalene

Concen: 17.000 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Instrument :

MSVOA_U

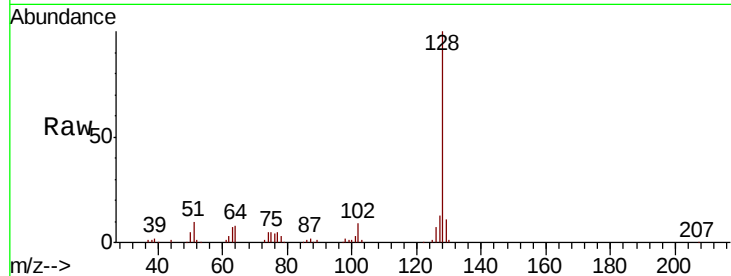
ClientSampleId :

VU0924WBS01

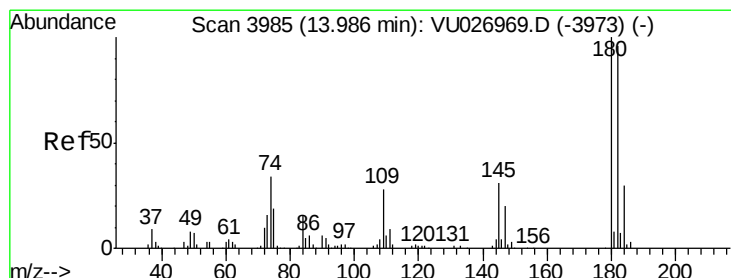
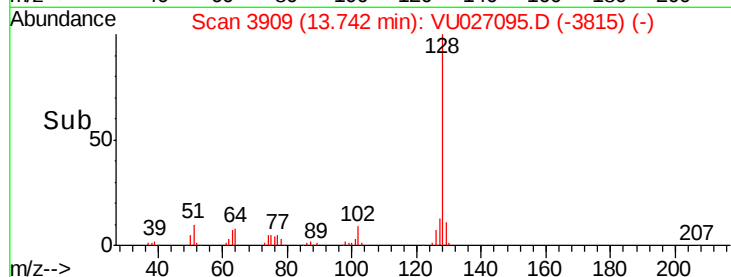
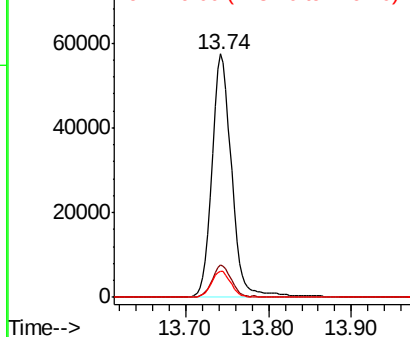
Tot Ion:	128	Resp:	95558
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:34:13 AM



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: 17.906 ug/l

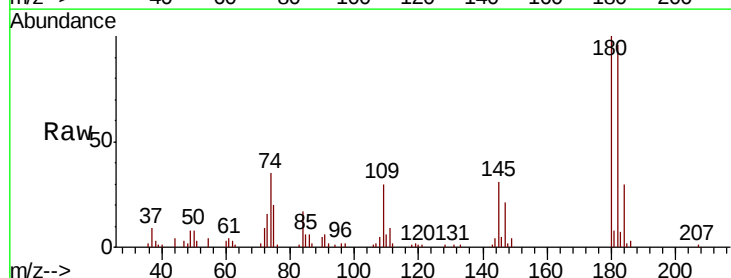
RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027095.D

Acq: 24 Sep 2018 09:57

Tgt Ion:	180	Resp:	29617
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	31.6	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

