

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026972.D
 Acq On : 21 Sep 2018 17:04
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:08 PM

Quant Time: Sep 22 01:37:09 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	97197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	162980	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	88437	45.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.42%	
35) Dibromofluoromethane	4.88	113	64917	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
50) Toluene-d8	7.57	98	255141	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	10.31	95	90985	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59266	46.702	ug/l	98
3) Chloromethane	1.33	50	96821	44.252	ug/l	100
4) Vinyl Chloride	1.40	62	93212	45.640	ug/l	99
5) Bromomethane	1.61	94	48474	41.679	ug/l	98
6) Chloroethane	1.69	64	59255	45.408	ug/l	98
7) Trichlorofluoromethane	1.88	101	108145	46.622	ug/l	98
8) Diethyl Ether	2.11	74	52640	47.147	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	66417	46.567	ug/l	99
10) Methyl Iodide	2.41	142	87978	49.736	ug/l	98
11) Tert butyl alcohol	2.83	59	106986	238.602	ug/l	100
12) 1,1-Dichloroethene	2.28	96	63488	47.293	ug/l	96
13) Acrolein	2.20	56	56996	235.803	ug/l	99
14) Allyl chloride	2.59	41	134953	49.565	ug/l	98
15) Acrylonitrile	2.94	53	264220	233.801	ug/l	99
16) Acetone	2.32	43	255109	245.180	ug/l	100
17) Carbon Disulfide	2.48	76	207711	47.496	ug/l	100
18) Methyl Acetate	2.61	43	126886	45.571	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	244876	49.639	ug/l	99
20) Methylene Chloride	2.70	84	78268	44.674	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	69643	48.590	ug/l	97
22) Diisopropyl ether	3.57	45	293188	50.343	ug/l	99
23) Vinyl Acetate	3.52	43	1254783	252.760	ug/l	100
24) 1,1-Dichloroethane	3.45	63	152277	47.475	ug/l	99
25) 2-Butanone	4.26	43	377171	229.422	ug/l	100
26) 2,2-Dichloropropane	4.23	77	119835	47.906	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	80046	49.453	ug/l	99
28) Bromochloromethane	4.55	49	79468	51.397	ug/l	99
29) Tetrahydrofuran	4.64	42	238998	240.316	ug/l	100
30) Chloroform	4.67	83	138038	46.363	ug/l	99
31) Cyclohexane	5.00	56	142161	48.743	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	113655	47.811	ug/l	98
36) 1,1-Dichloropropene	5.14	75	106214	48.830	ug/l	99
37) Ethyl Acetate	4.38	43	134137	45.554	ug/l	99
38) Carbon Tetrachloride	5.13	117	98015	47.351	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	127306	53.857	ug/l	98
40) Benzene	5.39	78	317172	47.966	ug/l	99
41) Methacrylonitrile	4.54	41	76826	50.237	ug/l	99
42) 1,2-Dichloroethane	5.40	62	117609	47.076	ug/l	99
43) Isopropyl Acetate	5.55	43	210893	49.110	ug/l	100
44) Trichloroethene	6.19	130	70045	49.758	ug/l	100
45) 1,2-Dichloropropane	6.43	63	90535	48.052	ug/l	97
46) Dibromomethane	6.56	93	53365	46.898	ug/l	100
47) Bromodichloromethane	6.76	83	108305	47.071	ug/l	100
48) Methyl methacrylate	6.62	41	106805	45.783	ug/l	97
49) 1,4-Dioxane	6.61	88	47812	1030.082	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	705142	244.147	ug/l	99
52) Toluene	7.64	92	188062	49.617	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	128906	52.144	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	136244	50.123	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	76840	47.845	ug/l	99
56) Ethyl methacrylate	8.02	69	130342	46.916	ug/l	98
57) 1,3-Dichloropropane	8.24	76	145759	48.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	375440	237.647	ug/l	100
59) 2-Hexanone	8.36	43	541986	239.731	ug/l	99
60) Dibromochloromethane	8.48	129	76339	48.459	ug/l	98
61) 1,2-Dibromoethane	8.59	107	81528	48.790	ug/l	99
64) Tetrachloroethene	8.23	164	59054	49.100	ug/l	98
65) Chlorobenzene	9.12	112	199717	48.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69746	48.929	ug/l	99
67) Ethyl Benzene	9.25	91	360419	52.961	ug/l	100
68) m/p-Xylenes	9.38	106	272682	98.955	ug/l	99
69) o-Xylene	9.78	106	129325	53.635	ug/l	100
70) Styrene	9.79	104	215456	47.934	ug/l	99
71) Bromoform	9.96	173	55117	50.001	ug/l #	100
73) Isopropylbenzene	10.17	105	352756	52.970	ug/l	100
74) N-amyl acetate	10.02	43	196501	50.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	134046	43.779	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	113535m	42.688	ug/l	
77) Bromobenzene	10.45	156	80391	49.399	ug/l	100
78) n-propylbenzene	10.59	91	431191	54.721	ug/l	100
79) 2-Chlorotoluene	10.66	91	250424	50.595	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	295598	53.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41025m	49.363	ug/l	
82) 4-Chlorotoluene	10.77	91	289614	52.184	ug/l	100
83) tert-Butylbenzene	11.10	119	279926	51.504	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	301111	53.822	ug/l	99
85) sec-Butylbenzene	11.32	105	360839	54.388	ug/l	100
86) p-Isopropyltoluene	11.48	119	310944	49.949	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	149883	49.493	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	154187	46.715	ug/l	100
89) n-Butylbenzene	11.89	91	297251	49.292	ug/l	100
90) Hexachloroethane	12.15	117	56753	47.041	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	149338	46.423	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29132	46.638	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103669	55.923	ug/l	99
94) Hexachlorobutadiene	13.69	225	49634	50.602	ug/l	99
95) Naphthalene	13.75	128	355419	49.069	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	107843	54.247	ug/l	100

(#) = 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: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion:168 Resp: 97197

Ion Ratio Lower Upper

168 100

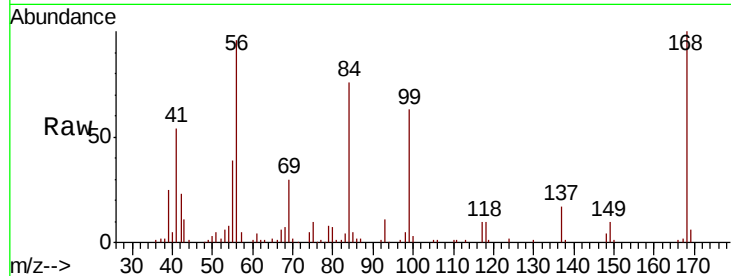
99 62.0 48.1 72.1

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

Ion 98.90 (98.60 to 99.60): VU026972.D (-1093) (-)

4.98

40000

30000

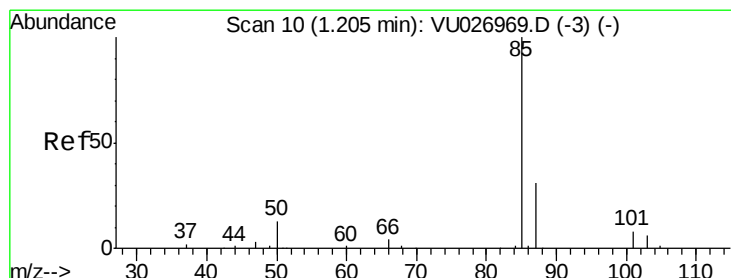
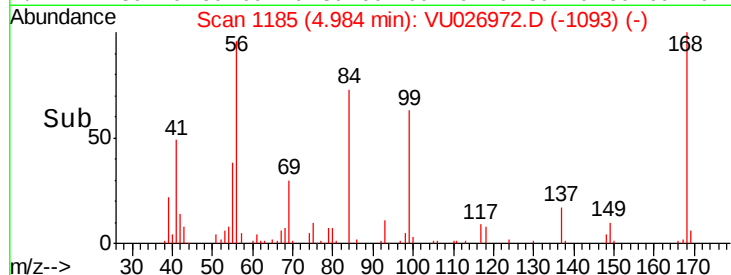
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.702 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026972.D

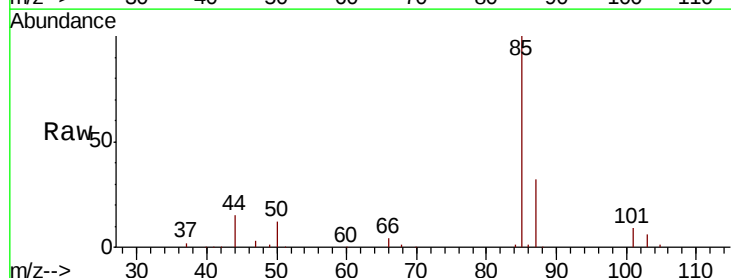
Acq: 21 Sep 2018 17:04

Tgt Ion: 85 Resp: 59266

Ion Ratio Lower Upper

85 100

87 32.5 15.6 46.7



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

Ion 86.90 (86.60 to 87.60): VU026972.D (-1) (-)

1.21

60000

50000

40000

30000

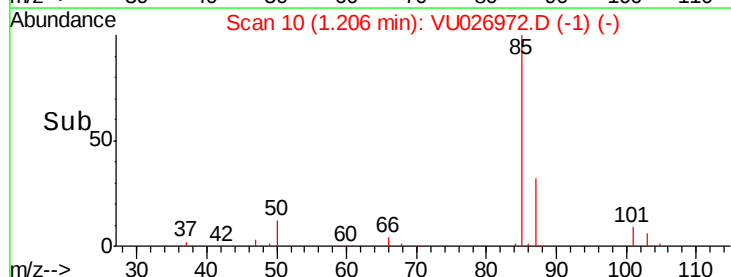
20000

10000

0

1.15 1.20 1.25 1.30 1.35

Time-->





#3

Chloromethane

Concen: 44.252 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 50 Resp: 96821

Ion Ratio Lower Upper

50 100

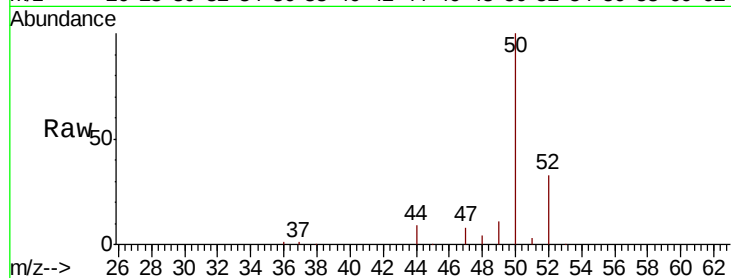
52 32.5 25.9 38.9

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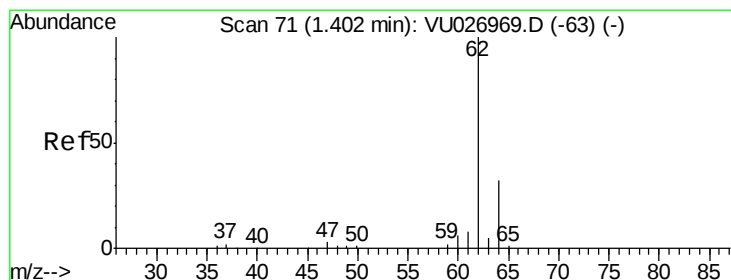
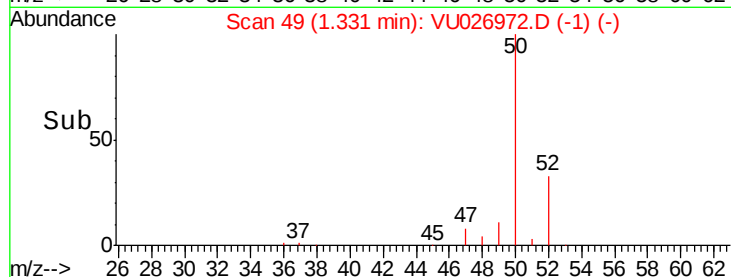
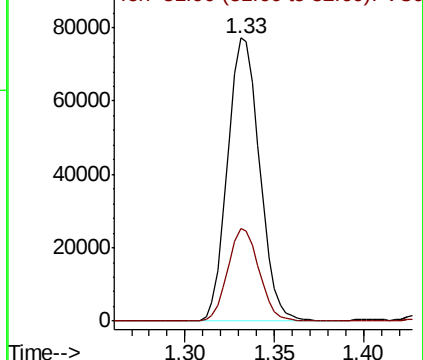
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.640 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026972.D

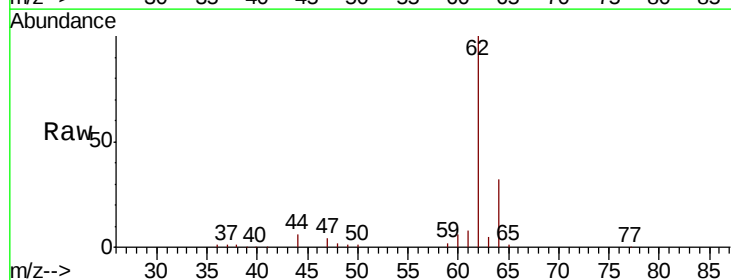
Acq: 21 Sep 2018 17:04

Tgt Ion: 62 Resp: 93212

Ion Ratio Lower Upper

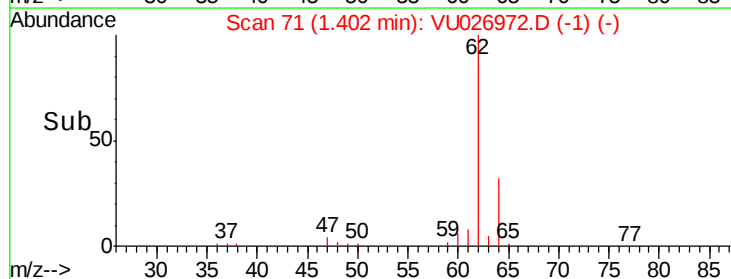
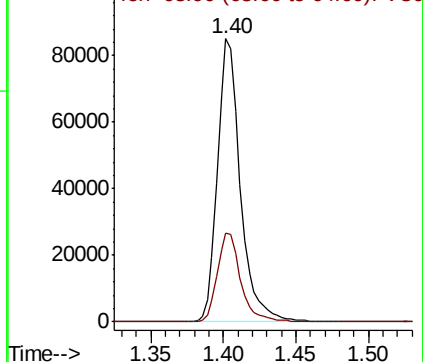
62 100

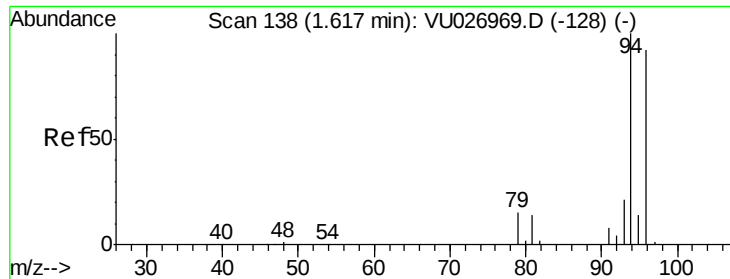
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 41.679 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 94 Resp: 48474

Ion Ratio Lower Upper

94 100

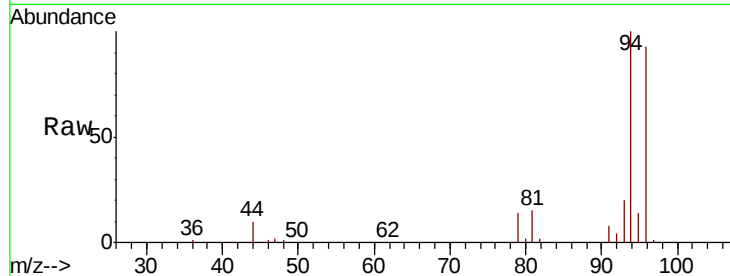
96 93.2 73.2 109.8

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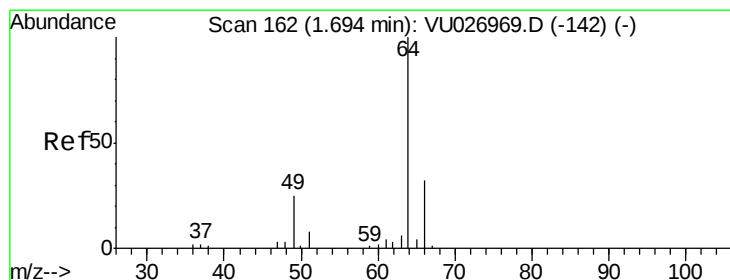
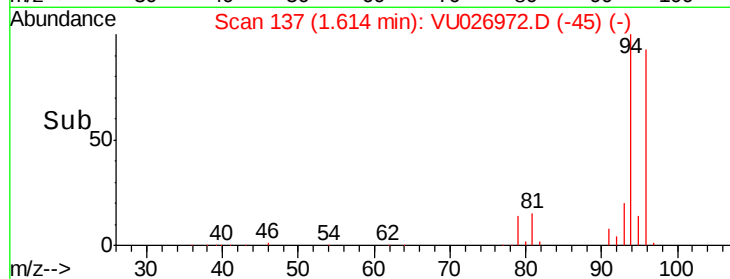
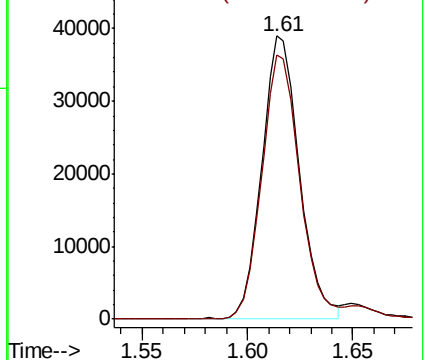
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.408 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU026972.D

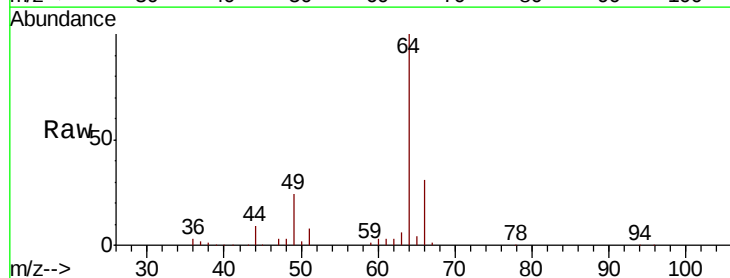
Acq: 21 Sep 2018 17:04

Tgt Ion: 64 Resp: 59255

Ion Ratio Lower Upper

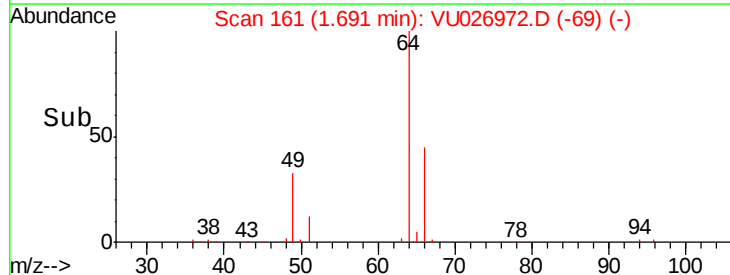
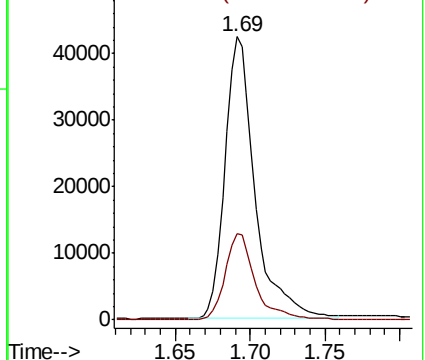
64 100

66 30.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

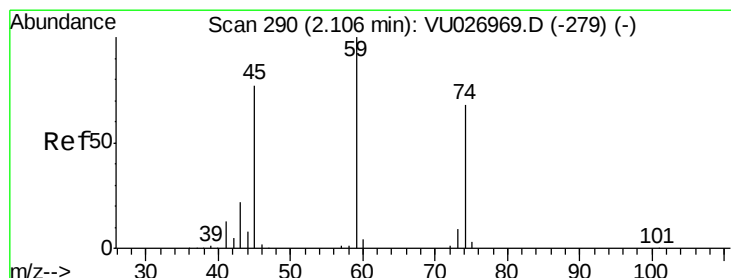
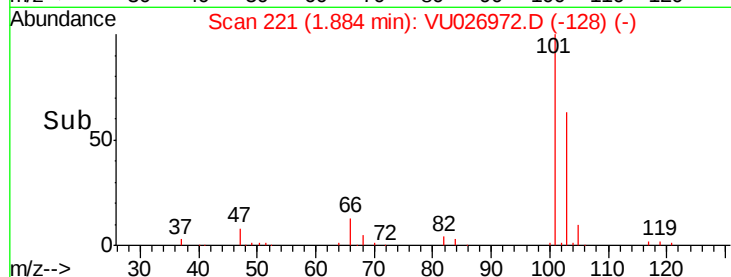
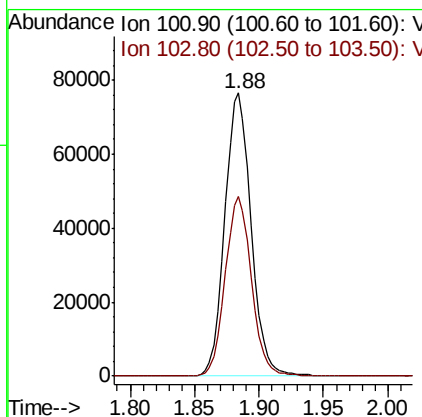
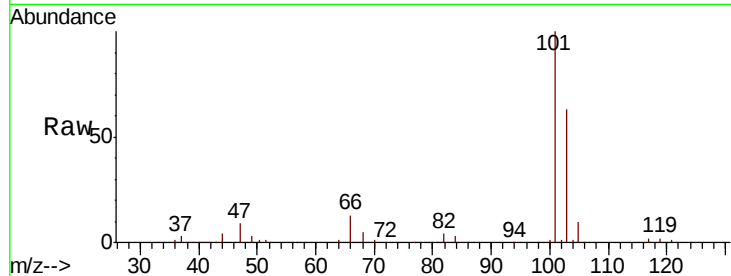
Trichlorofluoromethane
 Concen: 46.622 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026972.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	108145		
103	63.4	52.2	78.2	

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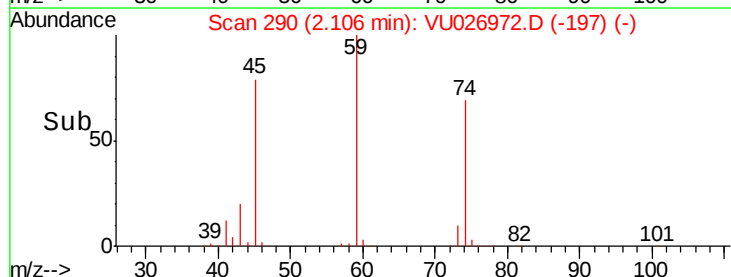
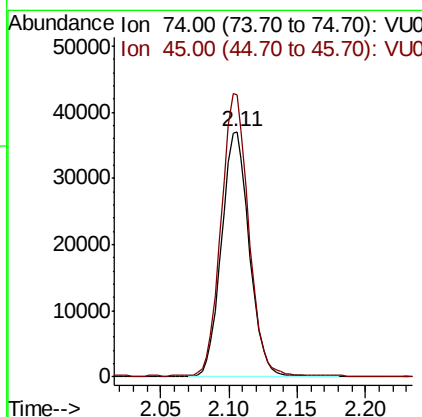
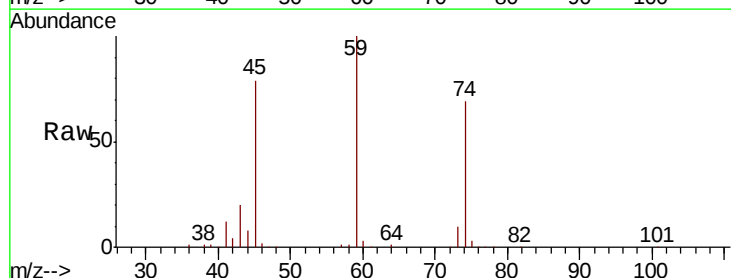
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#8

Diethyl Ether
 Concen: 47.147 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	52640		
45	113.4	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.567 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

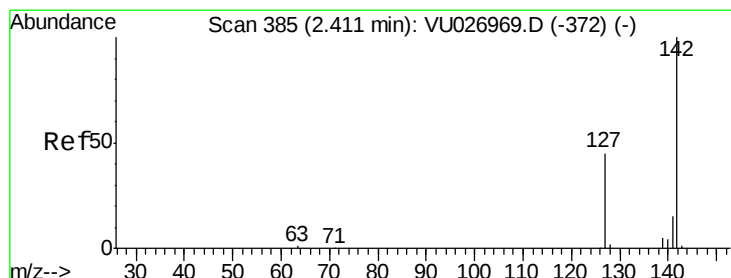
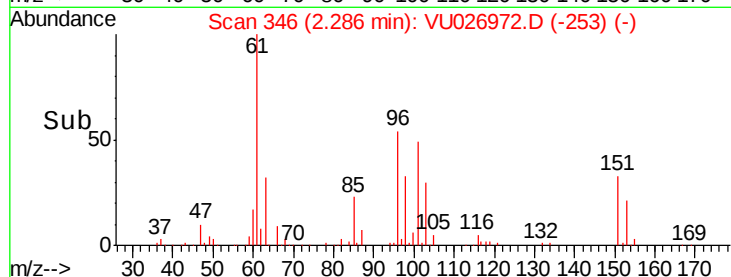
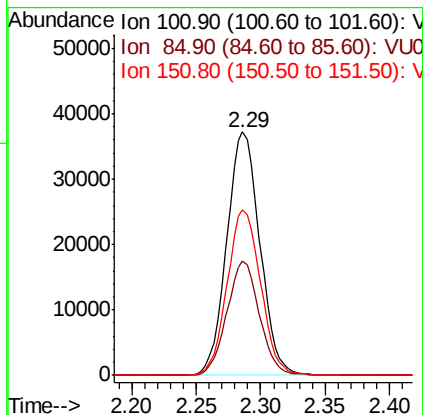
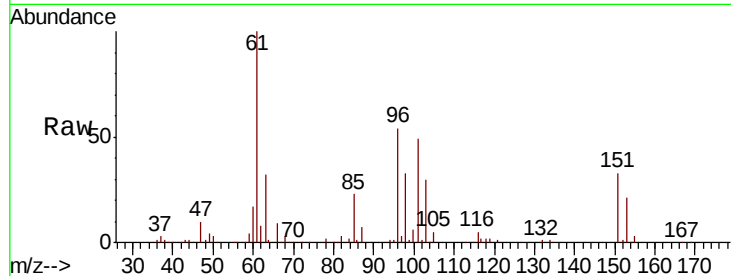
ClientSampleId :

ICVVU092218

Tot Ion:	101	Resp:	66417
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.2
151	68.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 49.736 ug/l

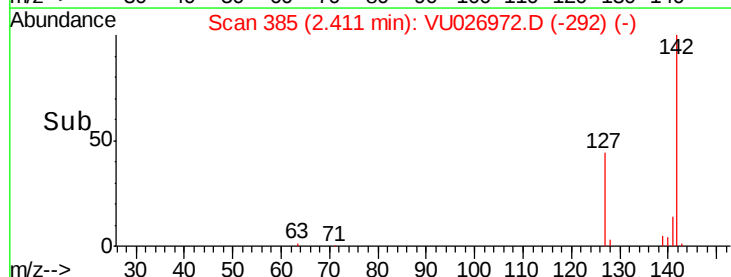
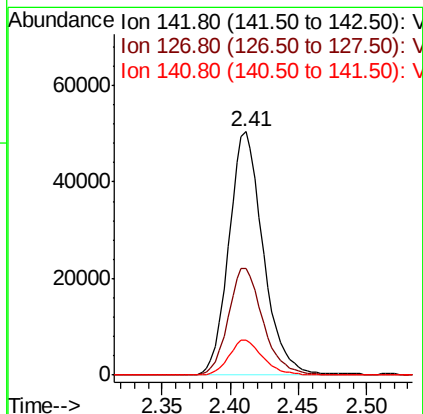
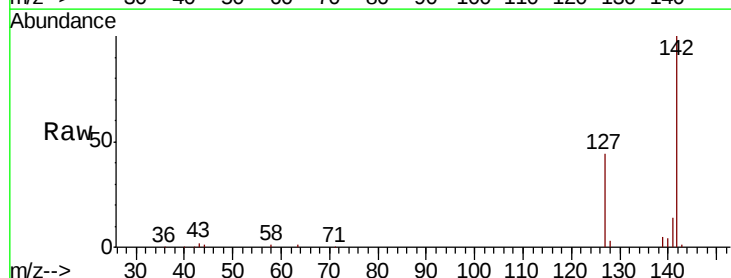
RT: 2.41 min Scan# 385

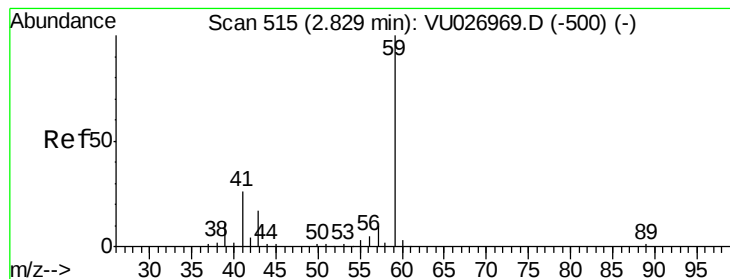
Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion:	142	Resp:	87978
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.7	55.1
141	14.3	11.8	17.6





#11

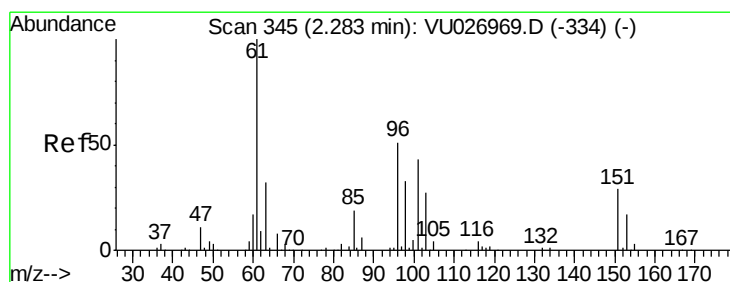
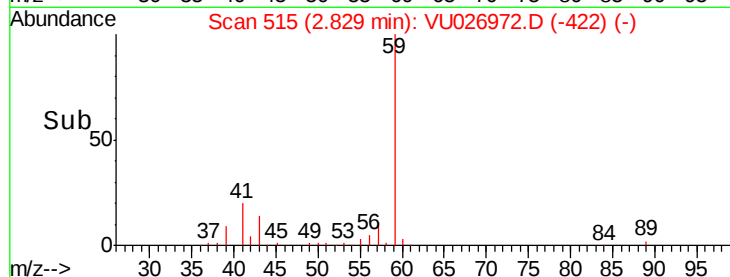
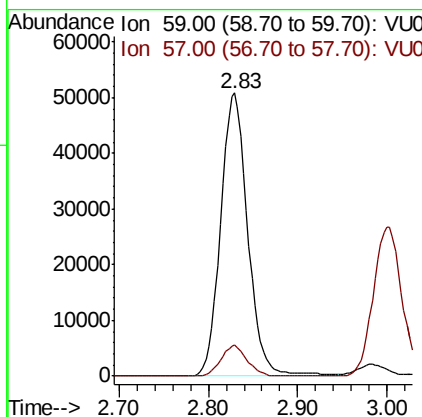
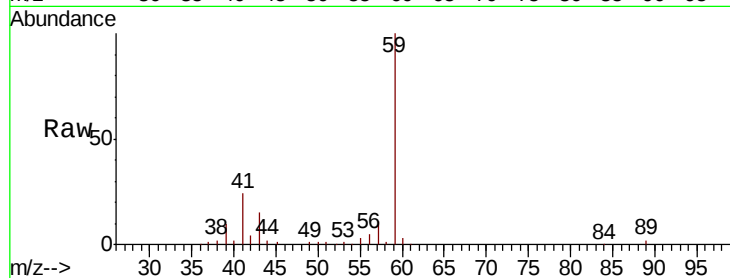
Tert butyl alcohol
Concen: 238.602 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	10.5		8.5	12.7

Manual Integrations
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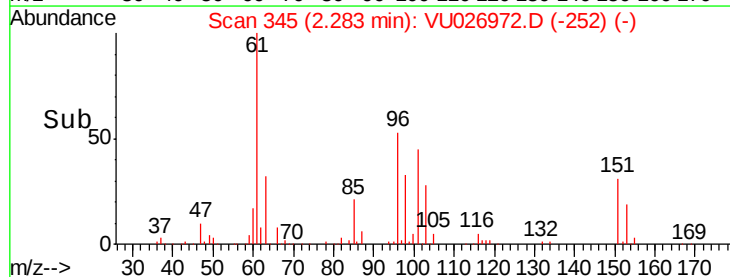
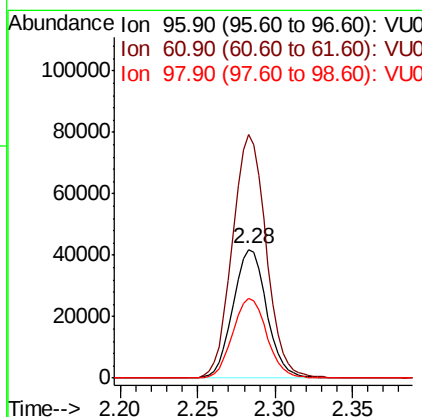
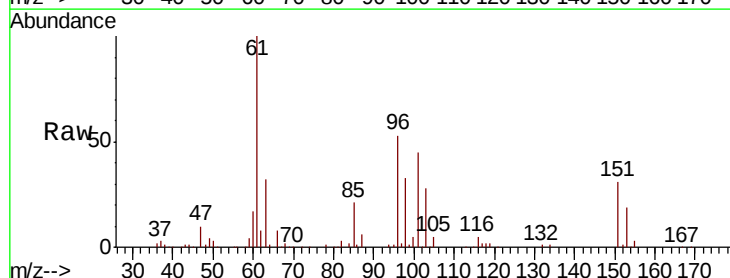
MMDadoda
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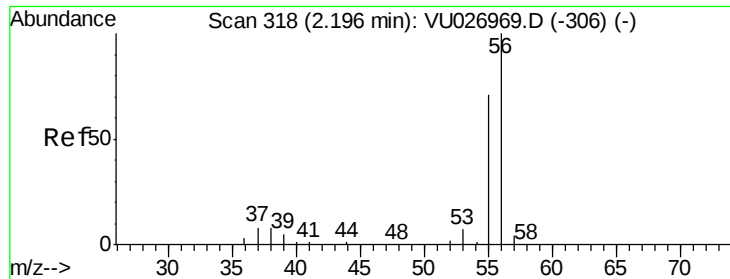


#12

1,1-Dichloroethene
Concen: 47.293 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	188.9		156.1	234.1
98	61.6		51.4	77.0





#13

Acrolein

Concen: 235.803 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 56 Resp: 56996

Ion Ratio Lower Upper

56 100

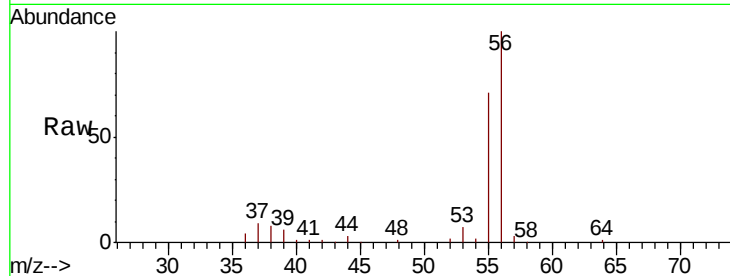
55 70.9 57.1 85.7

Manual Integrations

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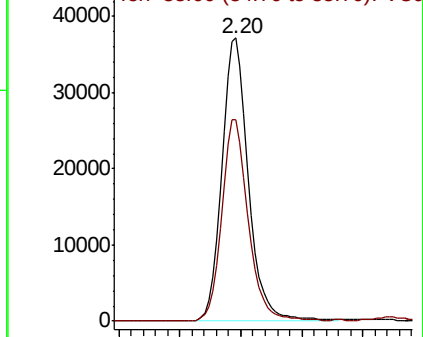
MMDadoda

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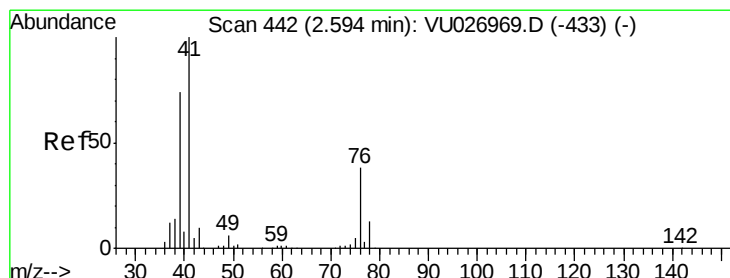
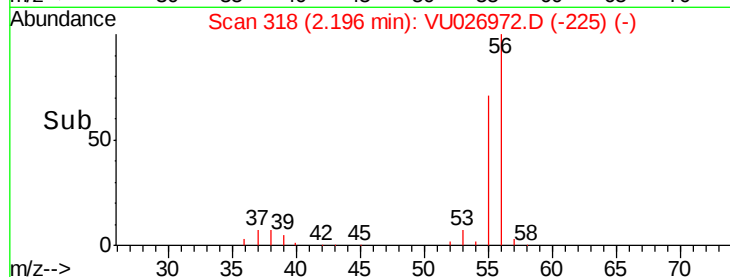


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#14

Allyl chloride

Concen: 49.565 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

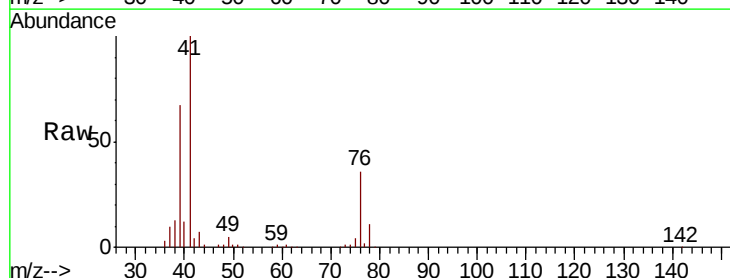
Tgt Ion: 41 Resp: 134953

Ion Ratio Lower Upper

41 100

39 67.4 55.7 83.5

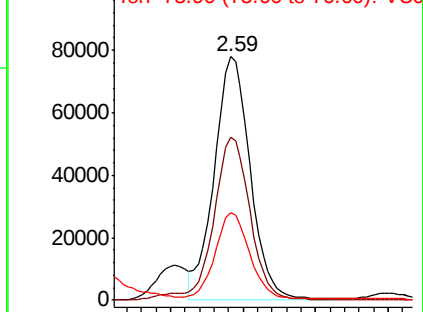
76 34.0 26.5 39.7



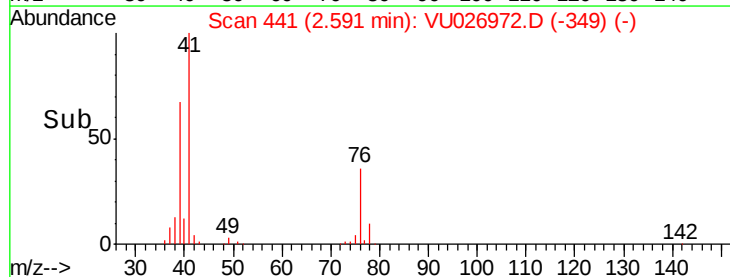
Abundance Ion 41.00 (40.70 to 41.70): VU0

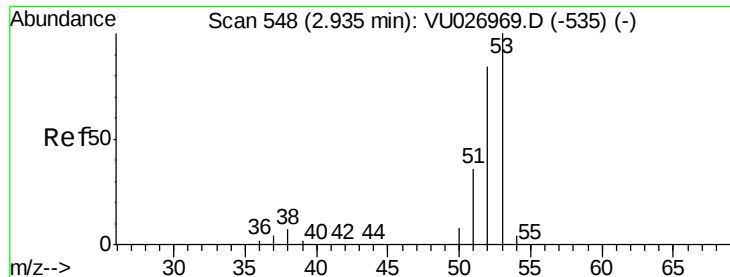
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->





#15

Acrylonitrile

Concen: 233.801 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

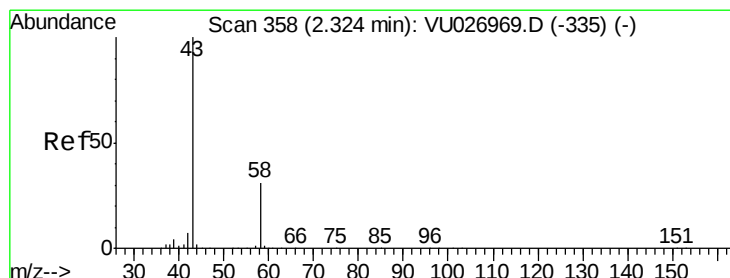
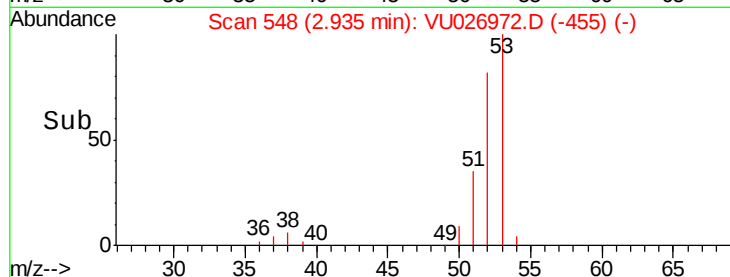
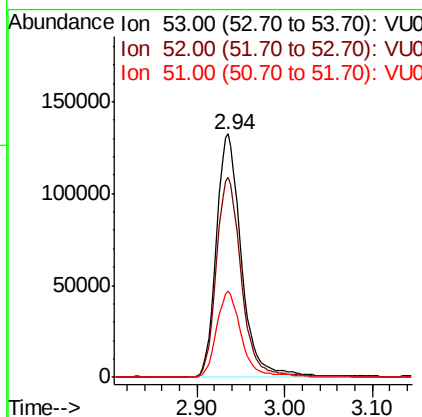
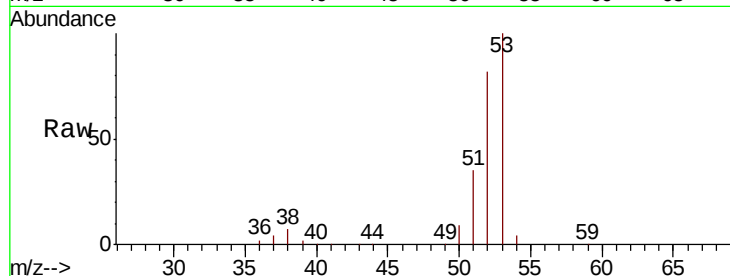
ClientSampleId :

ICVVU092218

Tot Ion:	53	Resp:	264220
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.7	98.5
51	35.6	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 245.180 ug/l

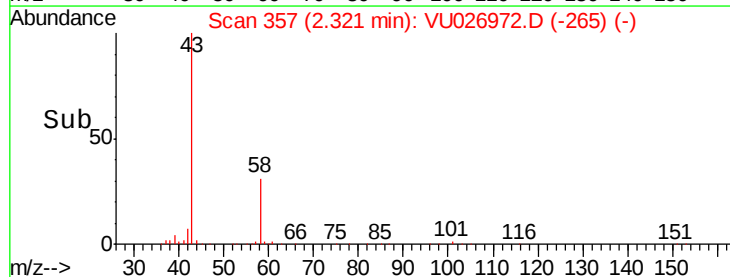
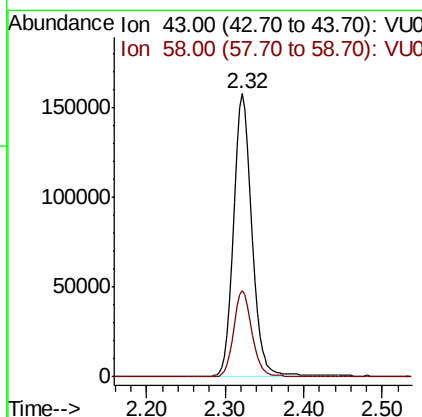
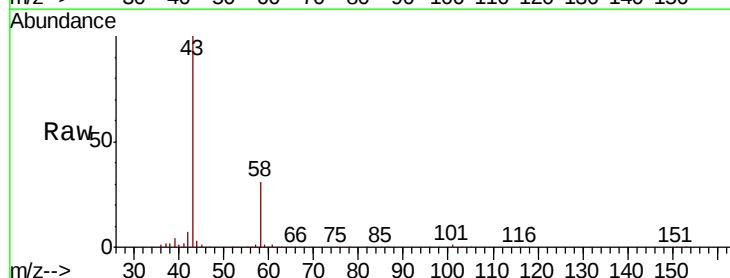
RT: 2.32 min Scan# 357

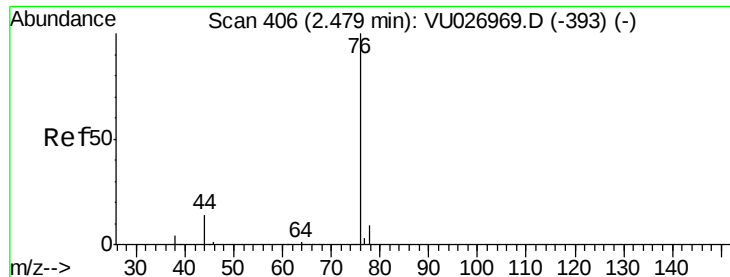
Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion:	43	Resp:	255109
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	36.8





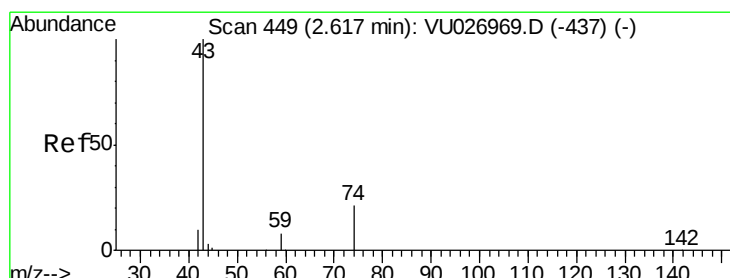
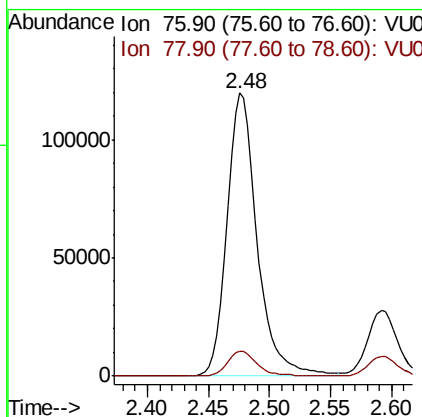
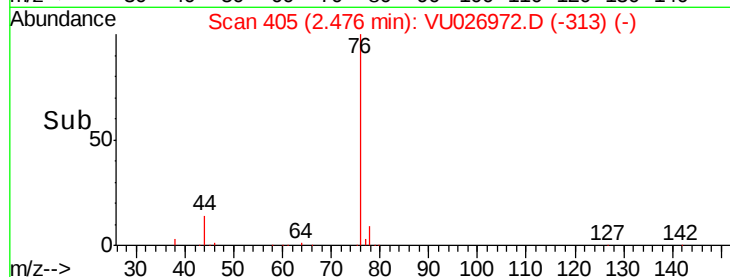
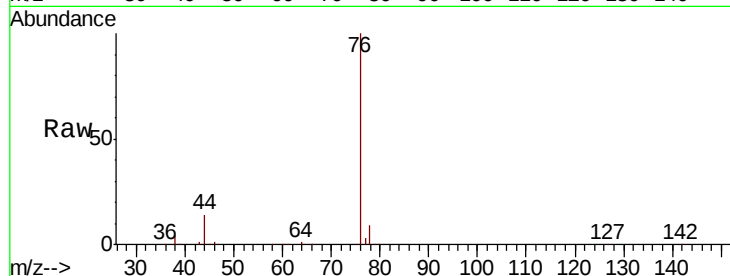
#17
Carbon Disulfide
Concen: 47.496 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

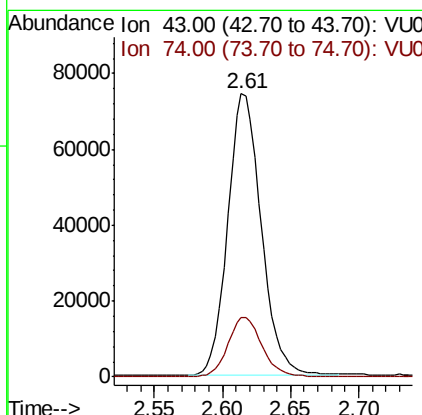
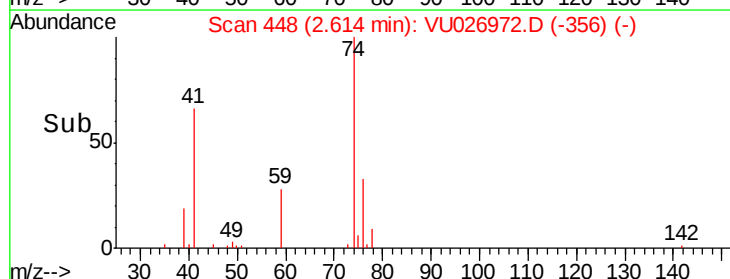
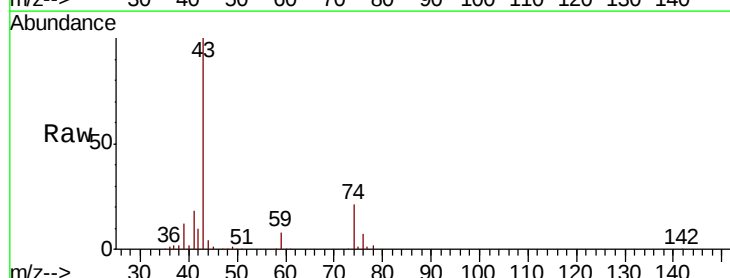
Manual Integrations
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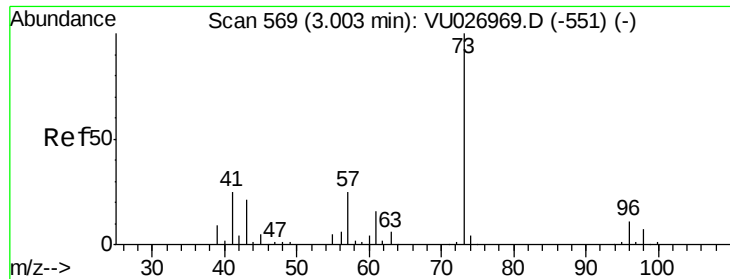
MMDadoda
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#18
Methyl Acetate
Concen: 45.571 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.6	25.0





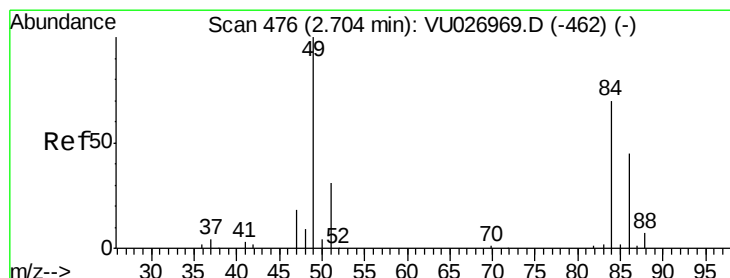
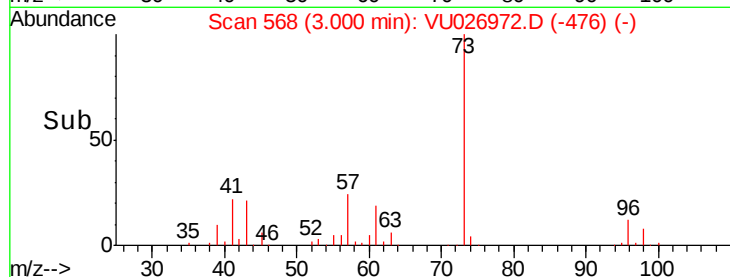
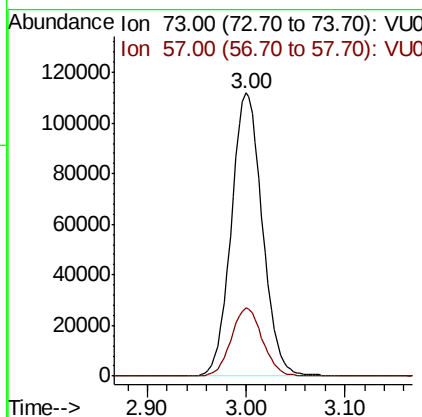
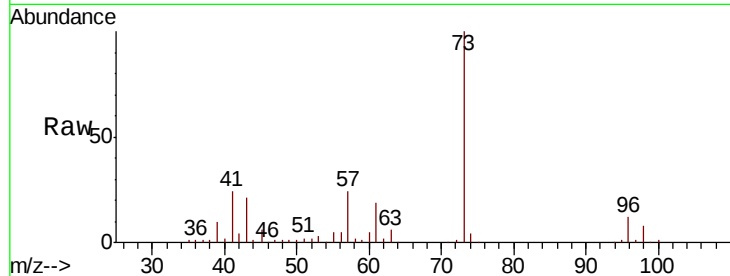
#19
Methvl tert-butvl Ether
Concen: 49.639 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.8	29.6

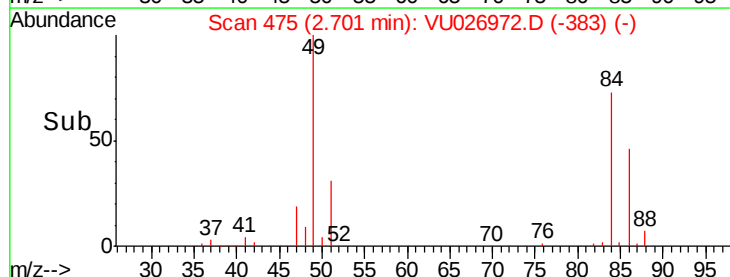
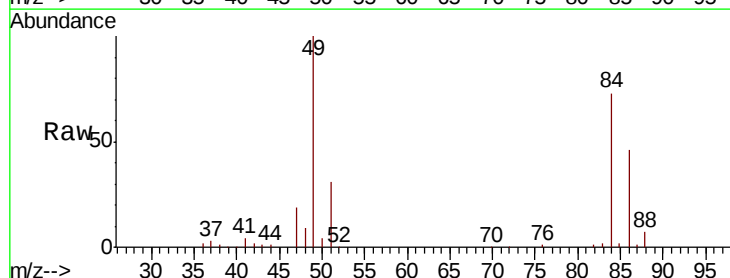
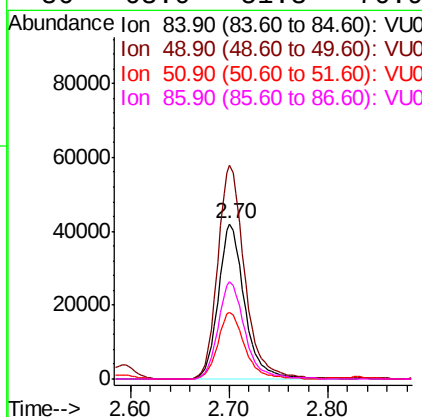
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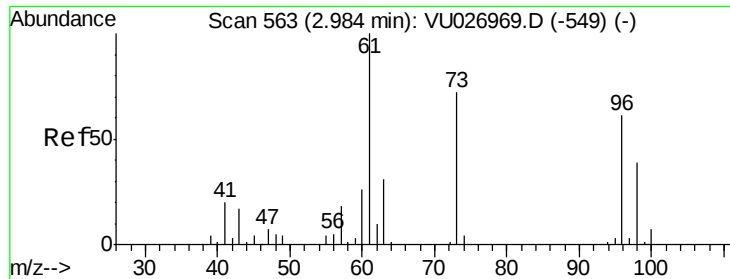
MMDadoda
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#20
Methylene Chloride
Concen: 44.674 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.8	114.9	172.3
51	43.2	35.8	53.8
86	63.0	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.590 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 96 Resp: 69643

Ion Ratio Lower Upper

96 100

61 160.2 131.8 197.6

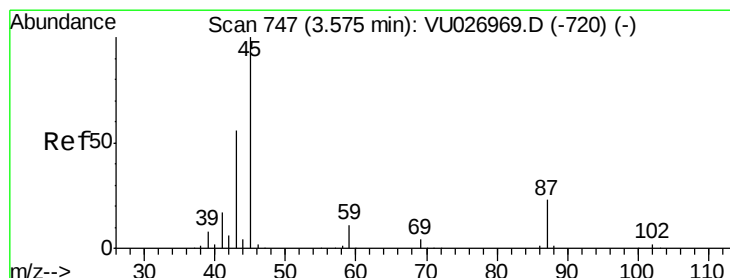
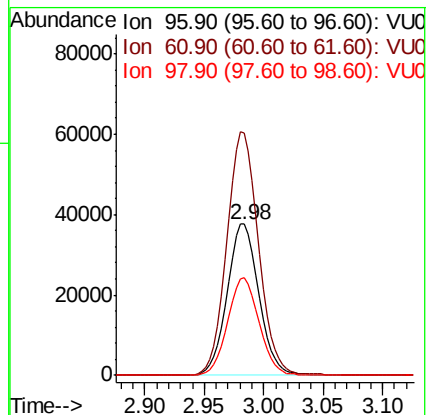
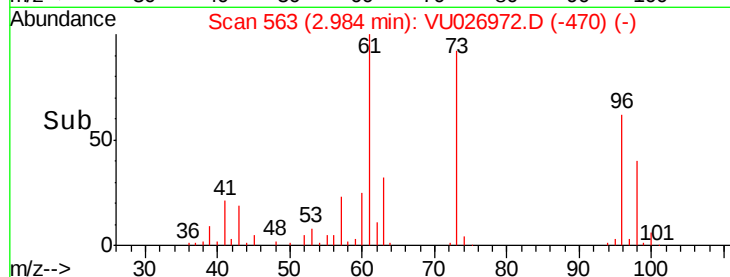
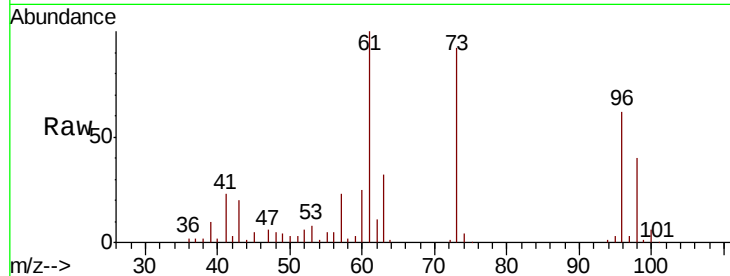
98 64.7 50.9 76.3

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#22

Diisopropyl ether

Concen: 50.343 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion: 45 Resp: 293188

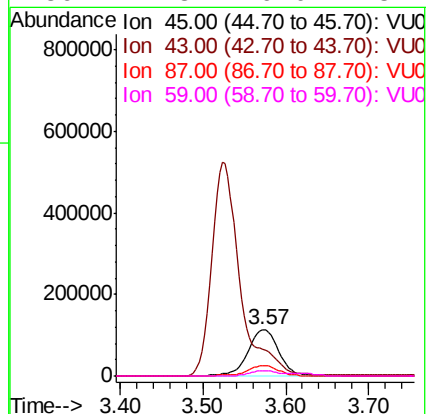
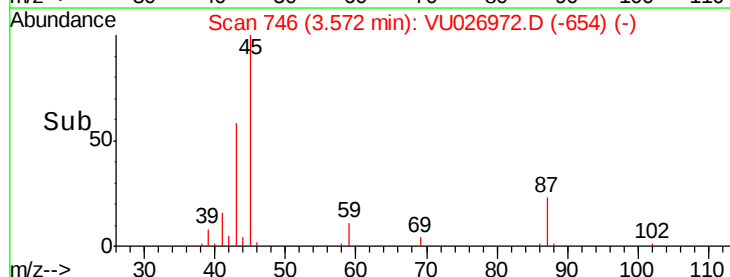
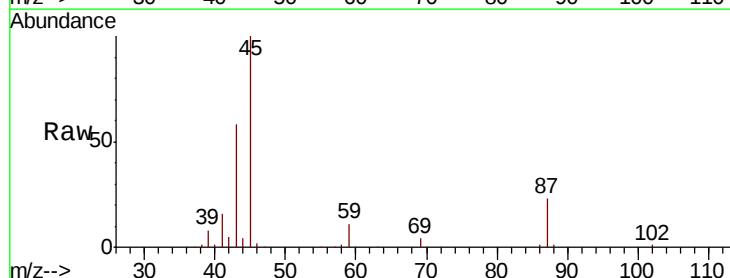
Ion Ratio Lower Upper

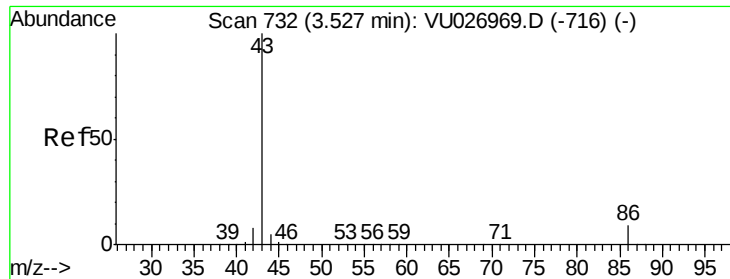
45 100

43 56.4 45.8 68.6

87 23.2 18.6 28.0

59 11.3 9.0 13.4





#23

Vinyl Acetate

Concen: 252.760 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 43 Resp: 1254783

Ion Ratio Lower Upper

43 100

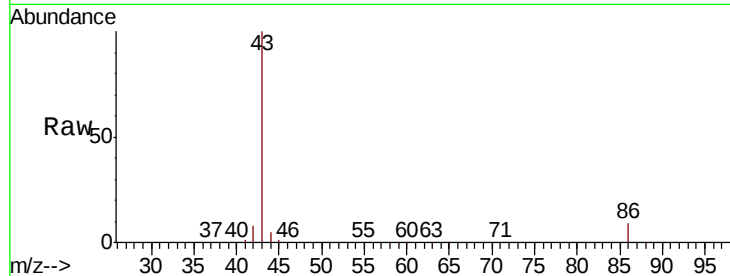
86 9.0 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.52

500000

400000

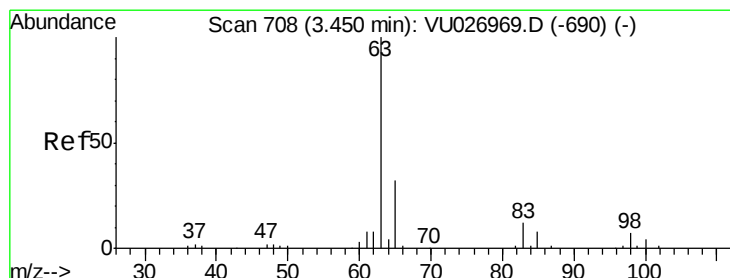
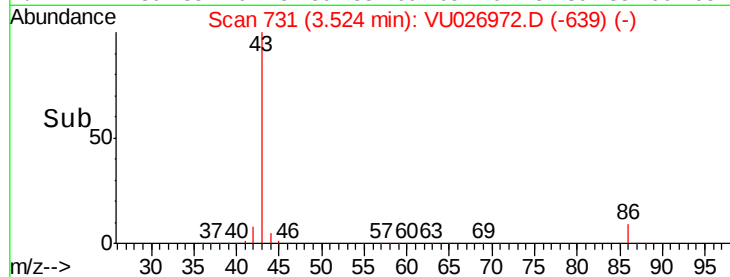
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.475 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

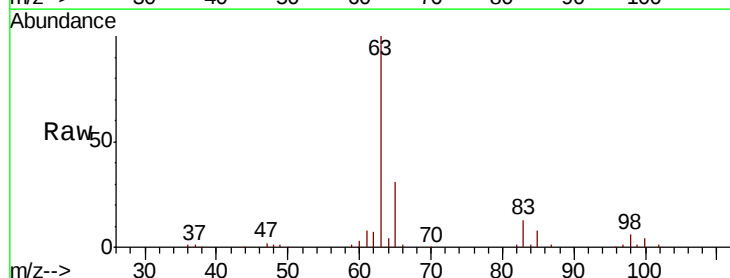
Tgt Ion: 63 Resp: 152277

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

80000

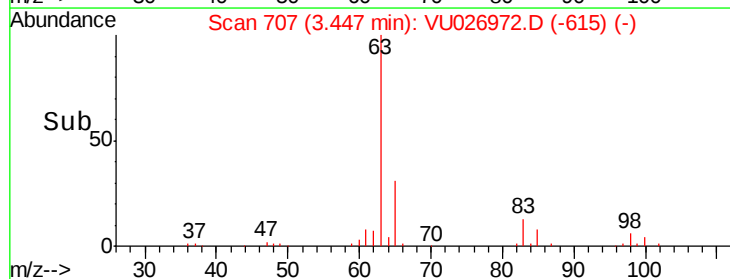
60000

40000

20000

0

Time-->





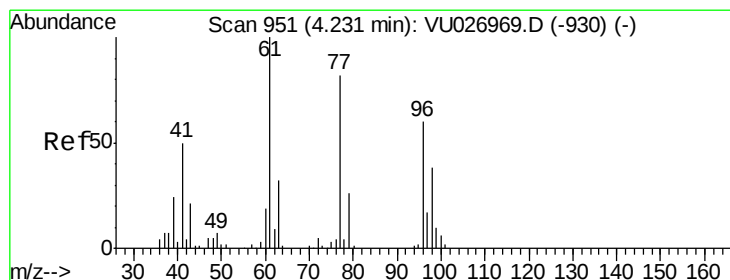
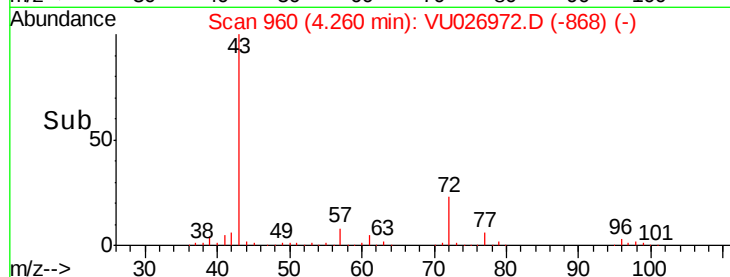
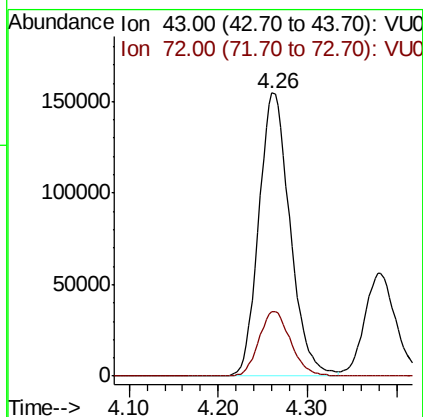
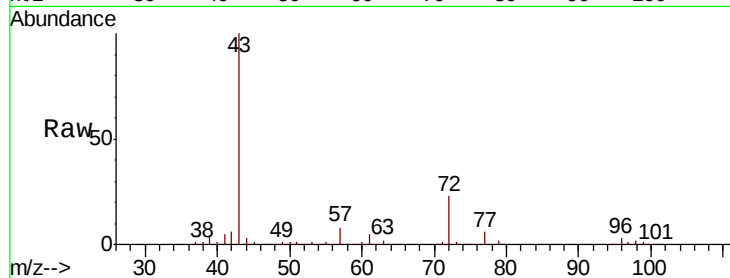
#25
2-Butanone
Concen: 229.422 ug/l
RT: 4.26 min Scan# 960
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion: 43 Resp: 377171
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6

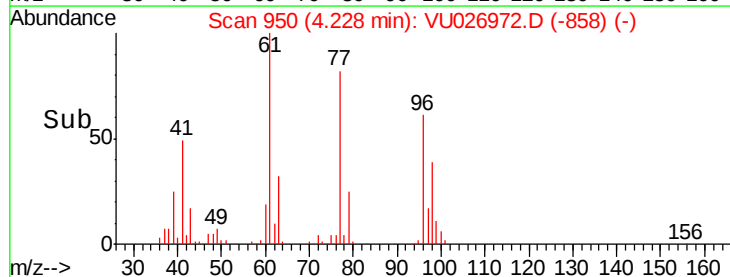
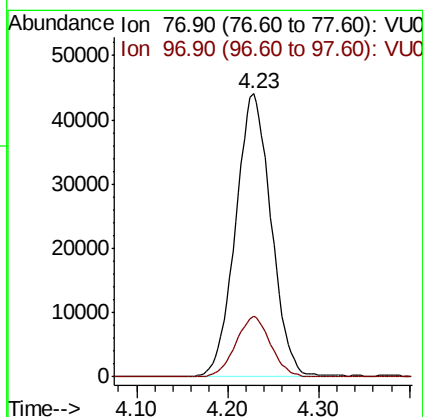
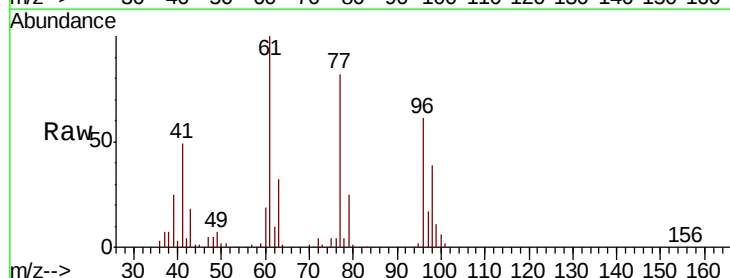
Manual Integrations
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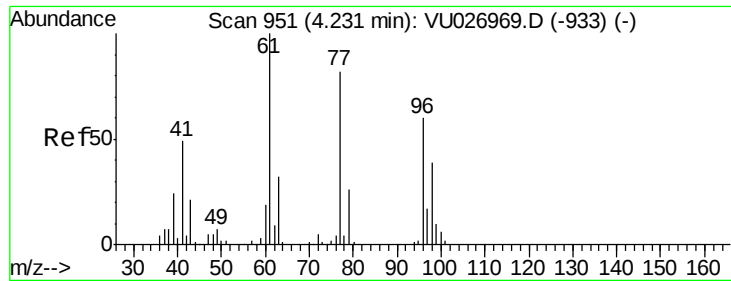
MMDadoda
9/24/2018 2:14:08 PM



#26
2,2-Dichloropropane
Concen: 47.906 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion: 77 Resp: 119835
Ion Ratio Lower Upper
77 100
97 20.9 10.5 31.5





#27

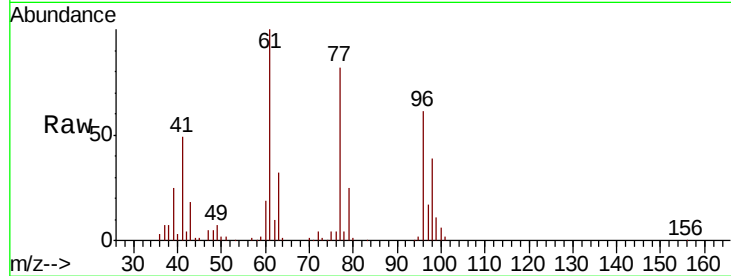
cis-1,2-Dichloroethene
Concen: 49.453 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

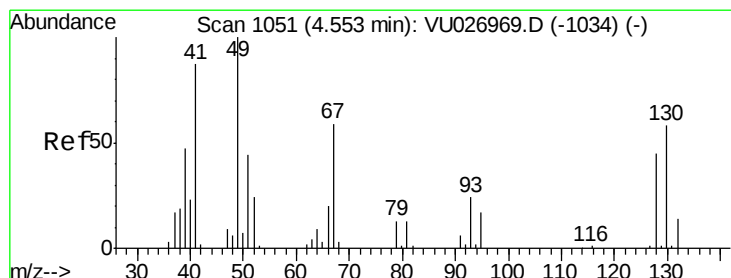
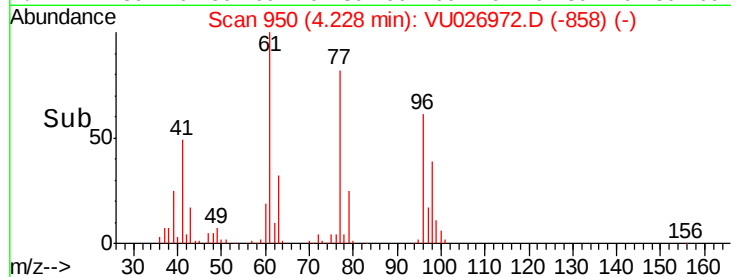
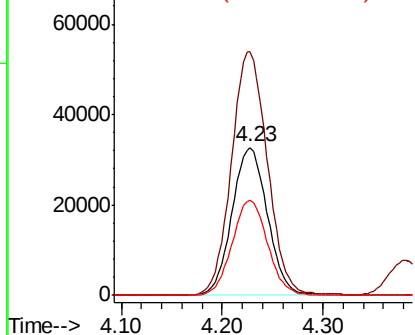
Tot Ion	Ratio	Lower	Upper
96	100		
61	166.3	0.0	337.2
98	64.2	0.0	127.6

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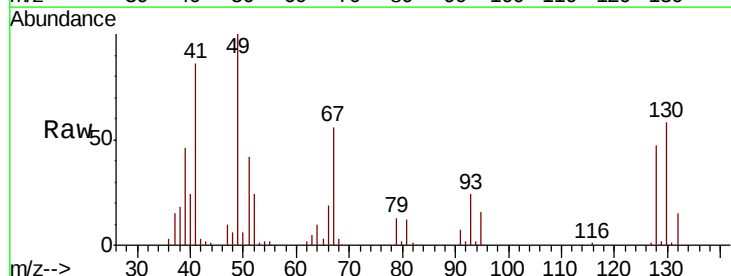
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



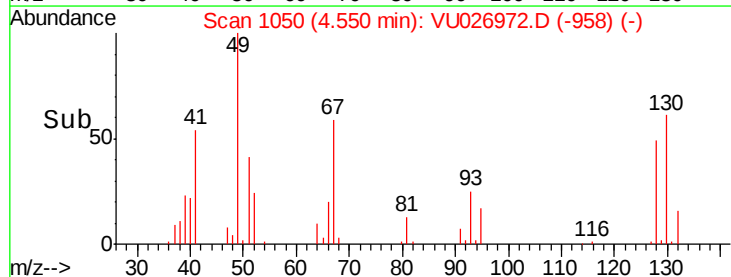
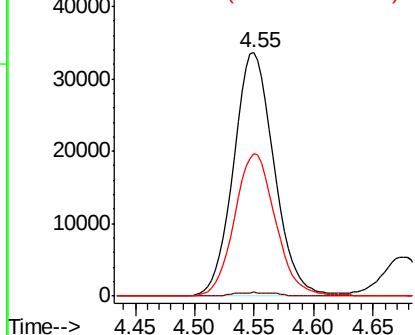
#28

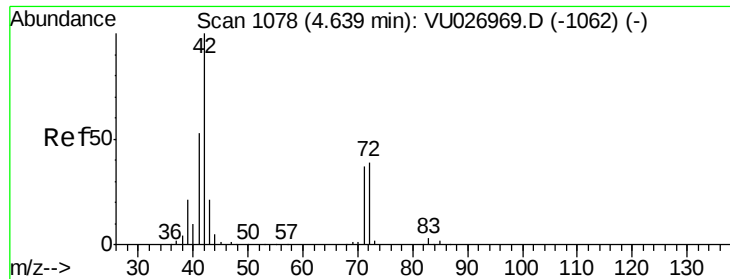
Bromochloromethane
Concen: 51.397 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	59.0	47.8	71.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





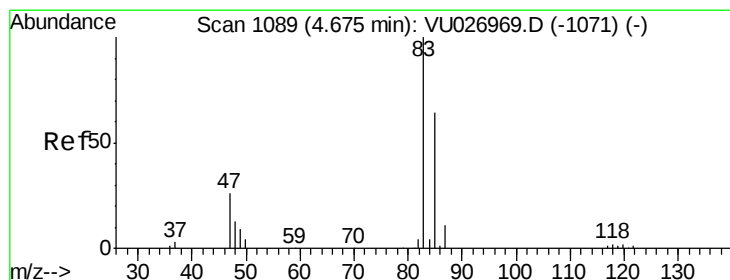
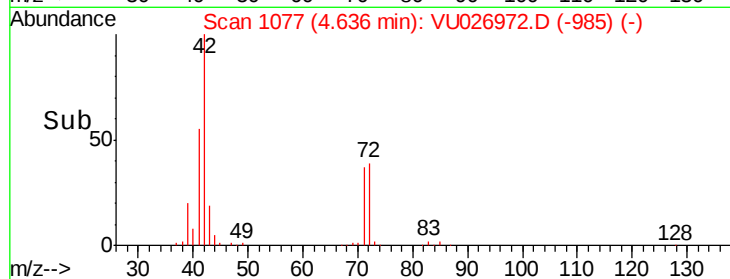
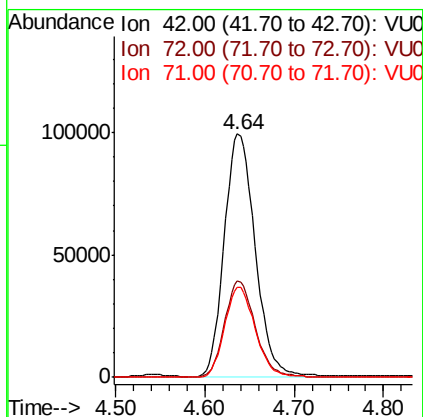
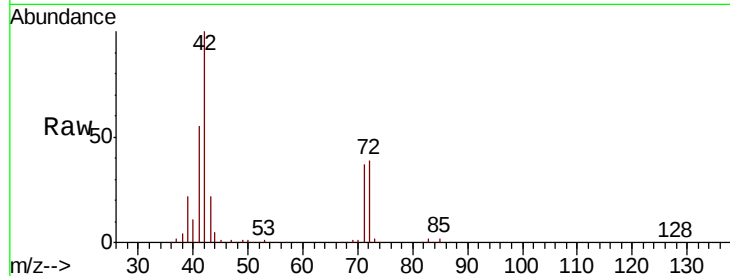
#29
Tetrahydrofuran
Concen: 240.316 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	36.9	29.6	44.4

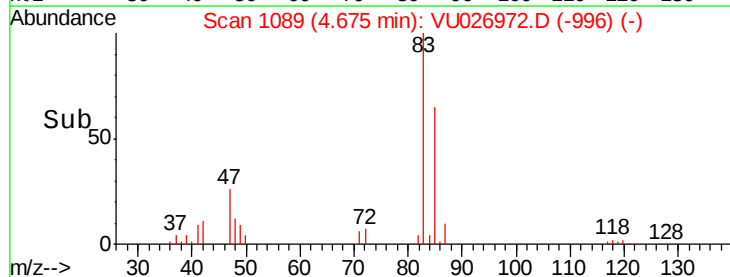
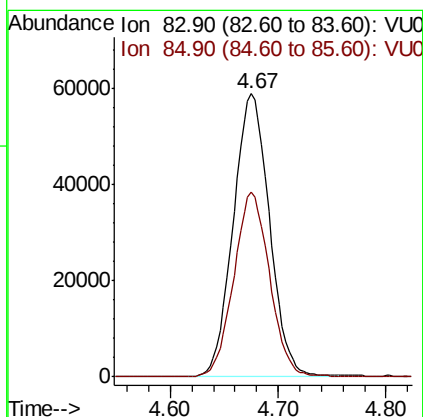
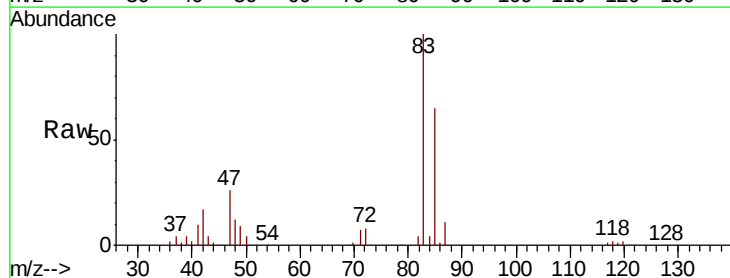
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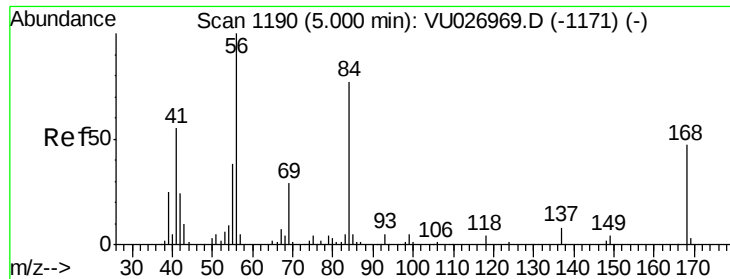
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#30
Chloroform
Concen: 46.363 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3





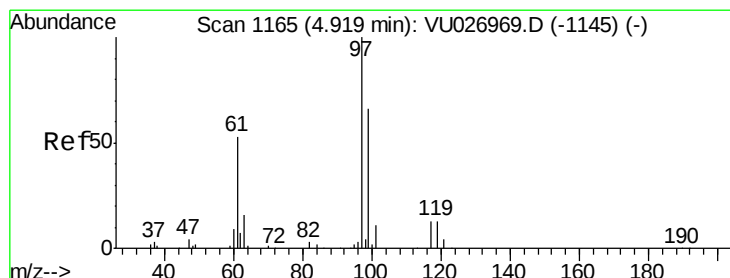
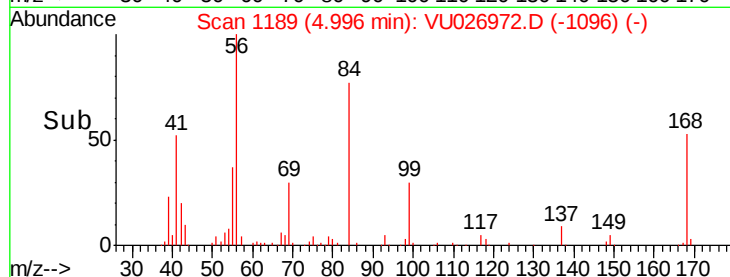
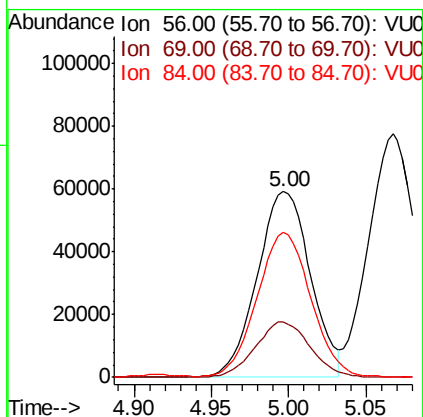
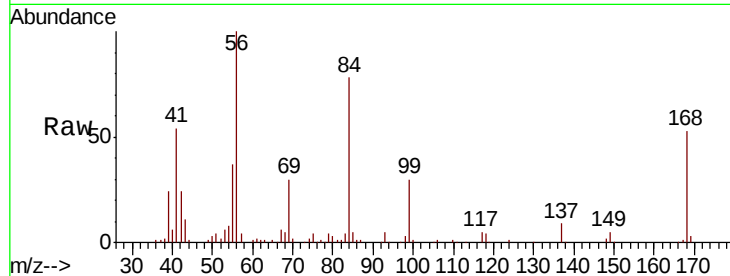
#31
Cyclohexane
Concen: 48.743 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampled :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.4
84	77.7	61.4	92.2

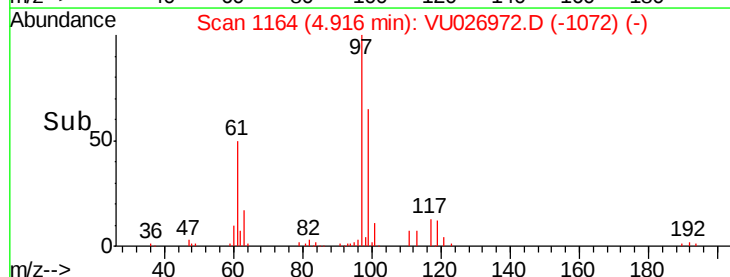
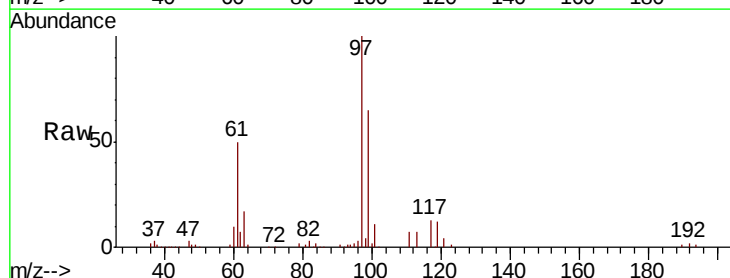
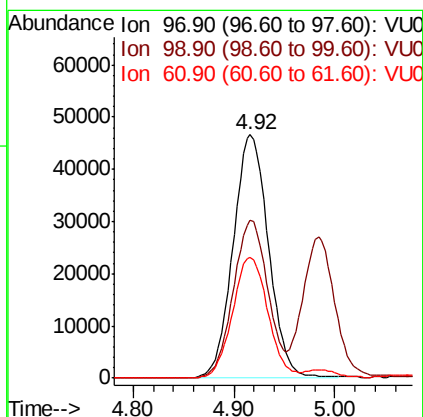
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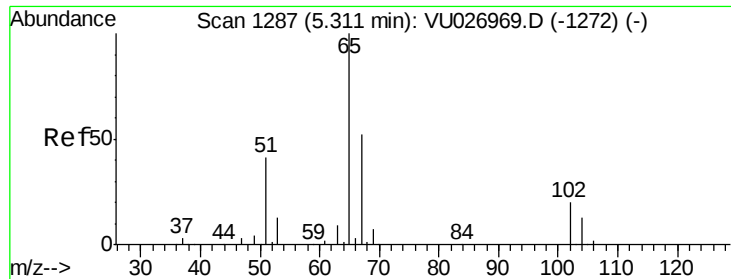
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#32
1,1,1-Trichloroethane
Concen: 47.811 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	50.0	41.1	61.7





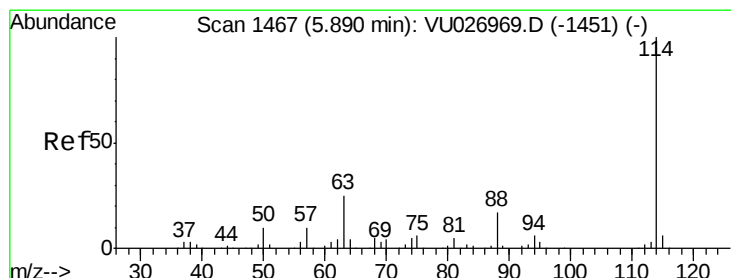
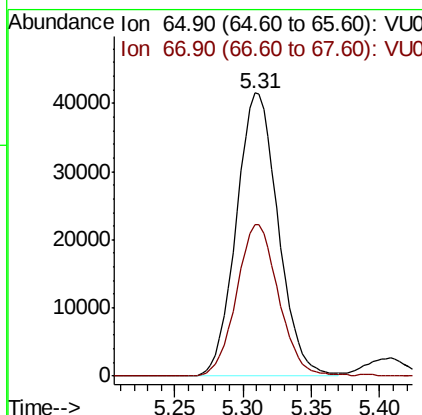
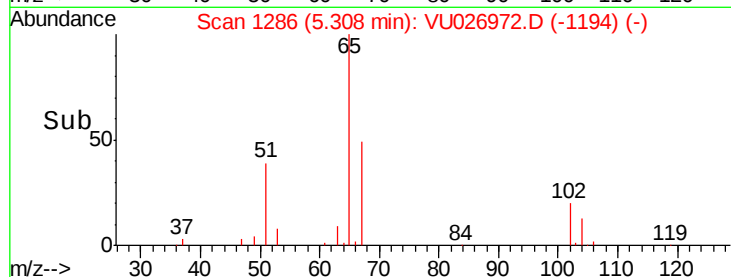
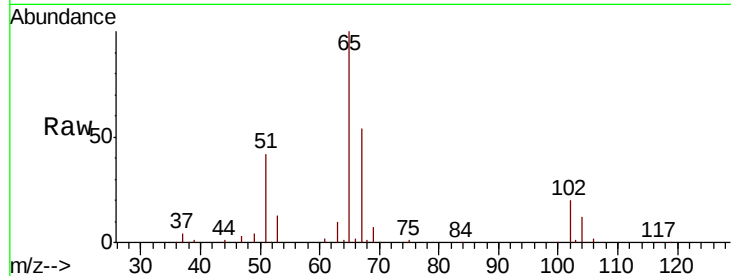
#33
 1,2-Dichloroethane-d4
 Concen: 45.207 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	105.6

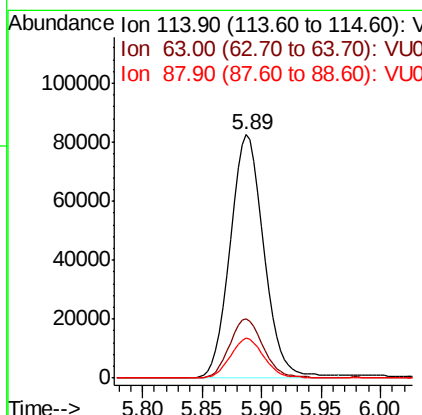
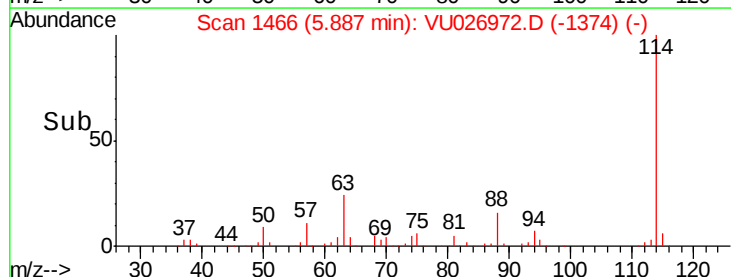
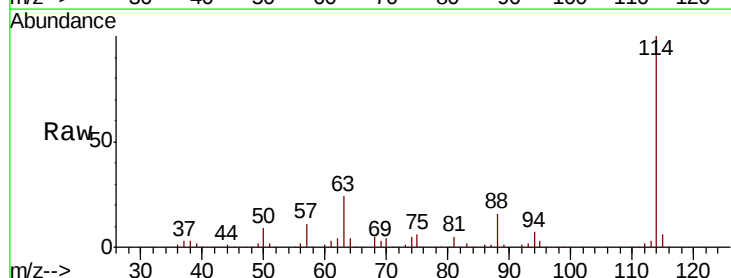
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	16.2	0.0	33.8





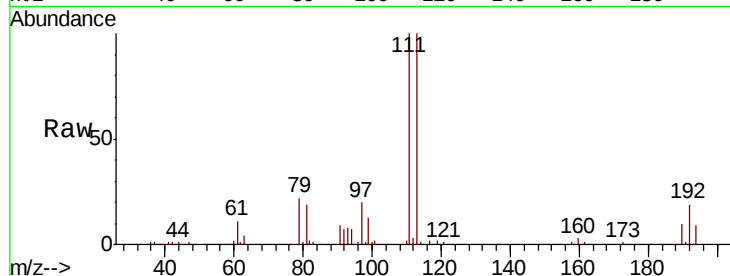
#35
 Dibromofluoromethane
 Concen: 45.952 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

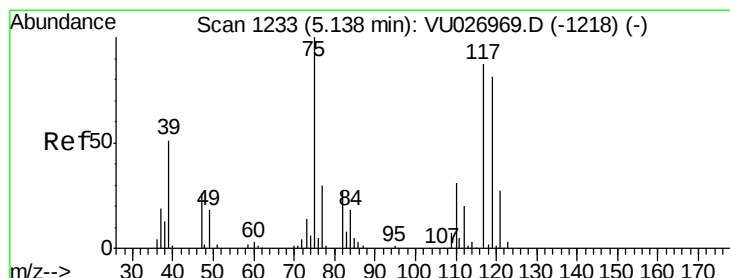
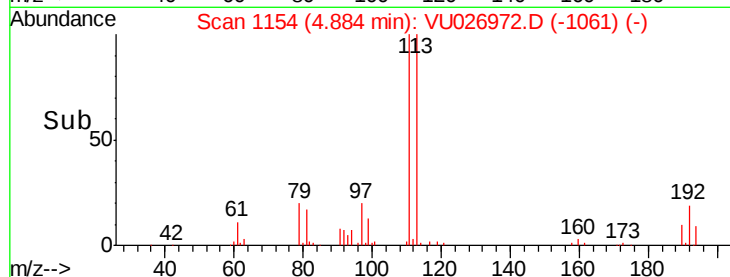
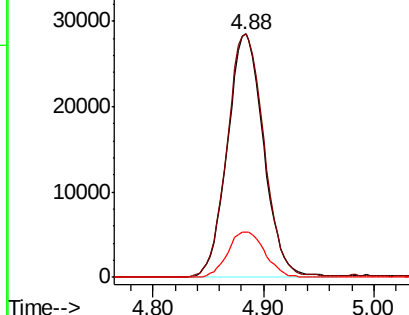
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	19.1	15.2	22.8

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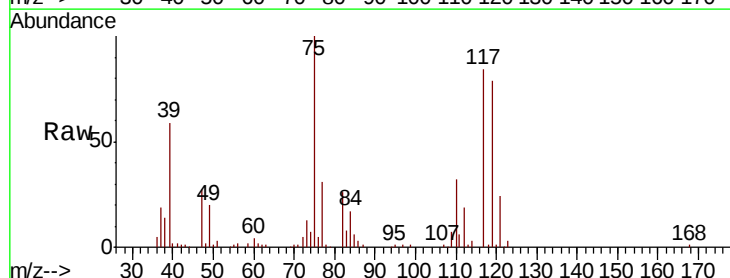


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

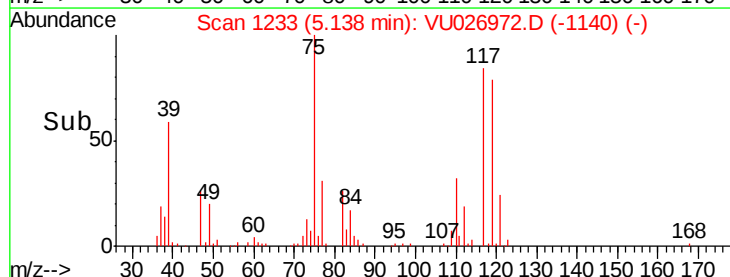
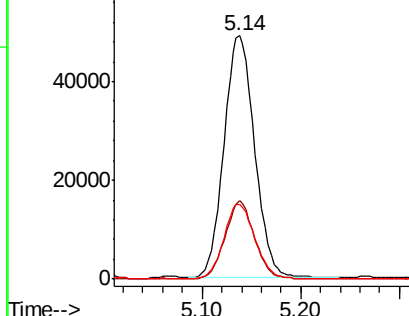


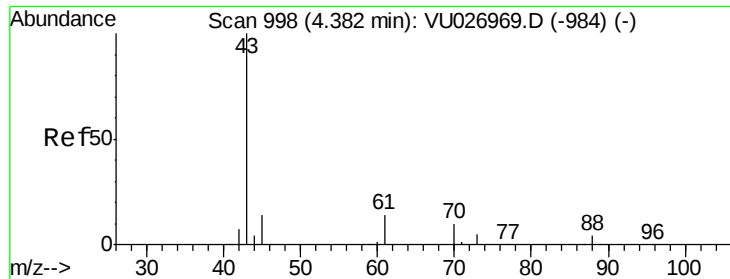
#36
 1,1-Dichloropropene
 Concen: 48.830 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.1	48.2
77	31.0	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 45.554 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

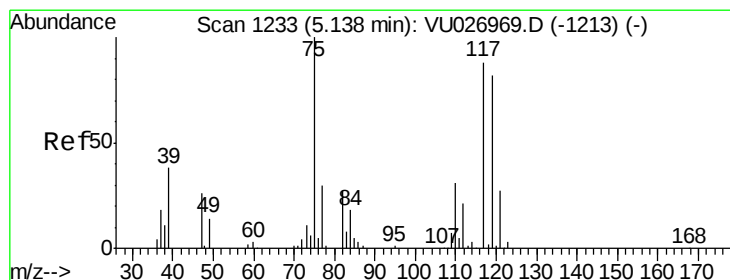
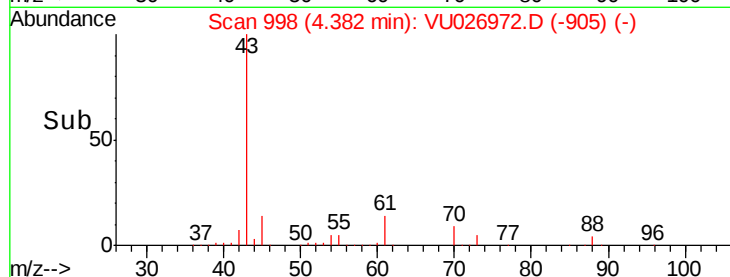
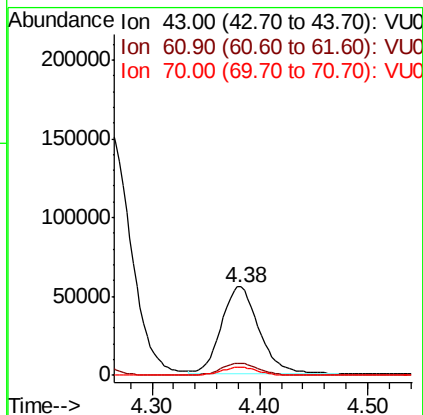
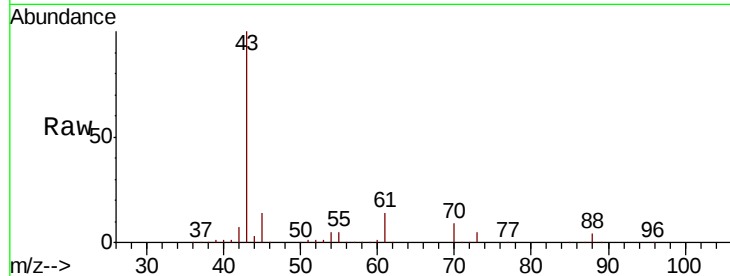
ClientSampleId :

ICVVU092218

Tot Ion:	43	Resp:	134137
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.2	7.4	11.0

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#38

Carbon Tetrachloride

Concen: 47.351 ug/l

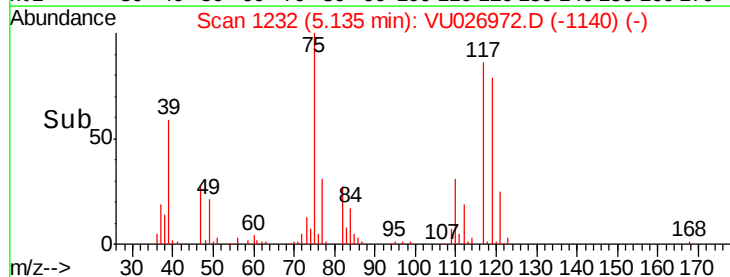
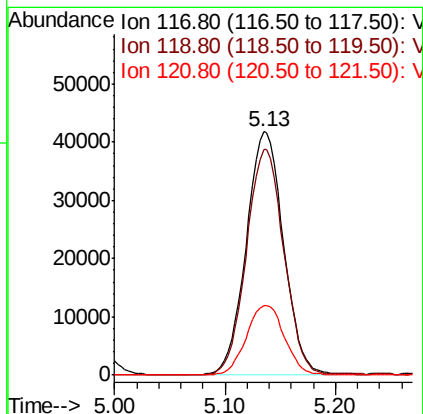
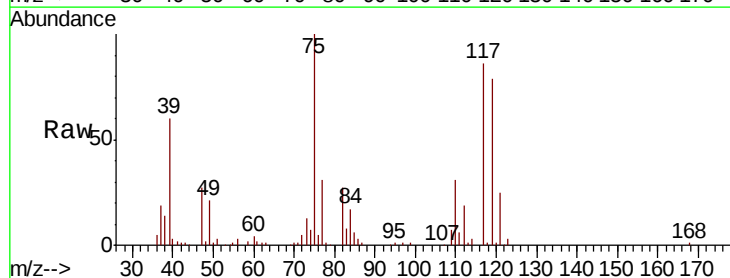
RT: 5.13 min Scan# 1232

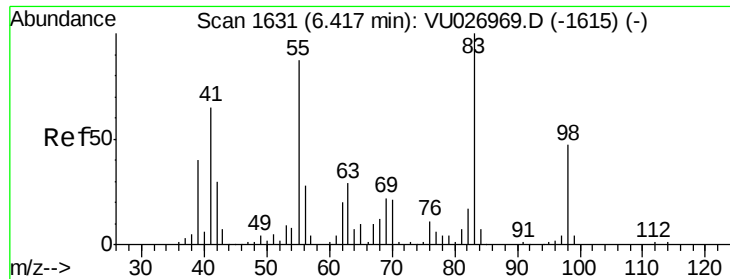
Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion:	117	Resp:	98015
Ion	Ratio	Lower	Upper
117	100		
119	92.5	74.4	111.6
121	28.6	24.2	36.4





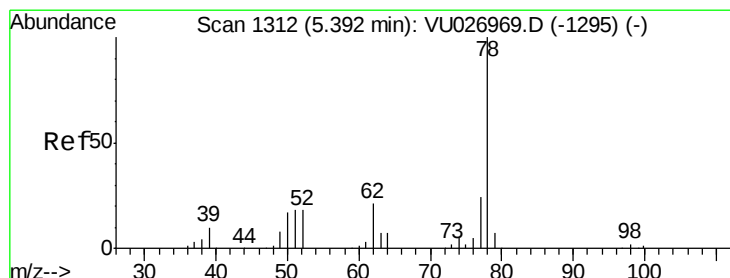
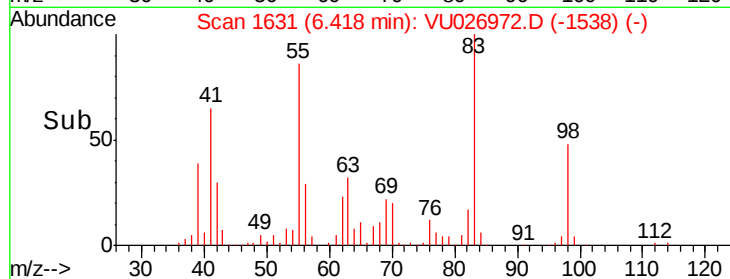
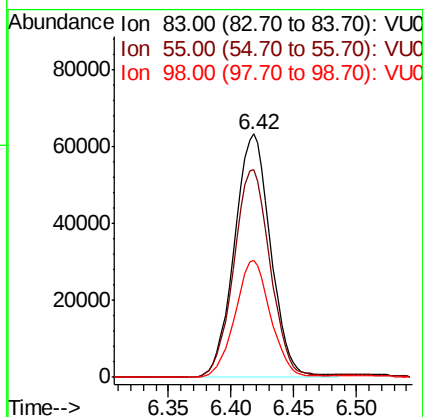
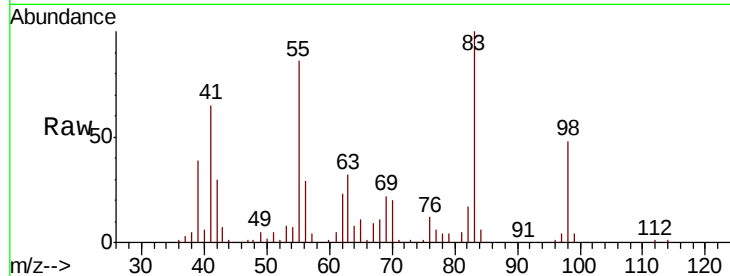
#39
Methvlcvclohexane
Concen: 53.857 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	69.9	104.9
98	48.1	37.5	56.3

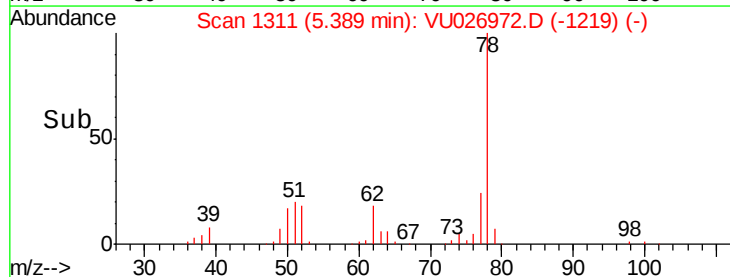
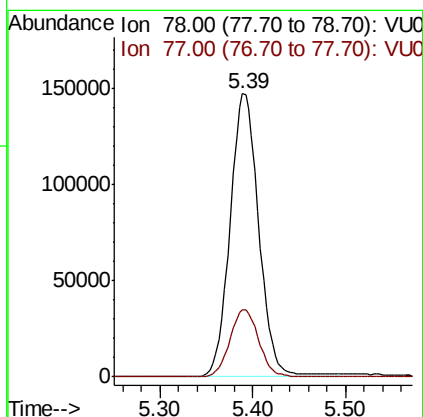
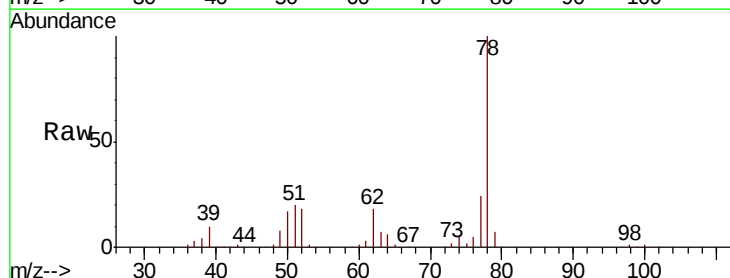
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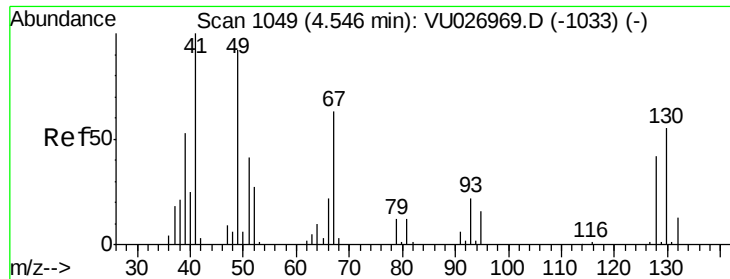
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#40
Benzene
Concen: 47.966 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





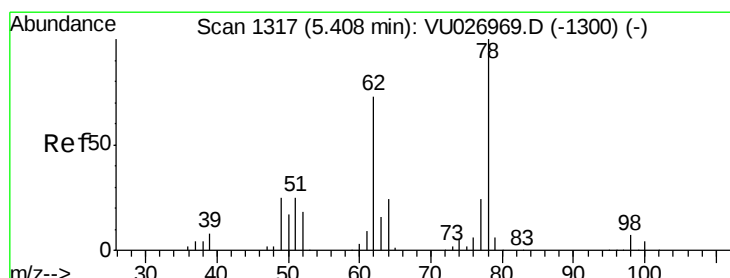
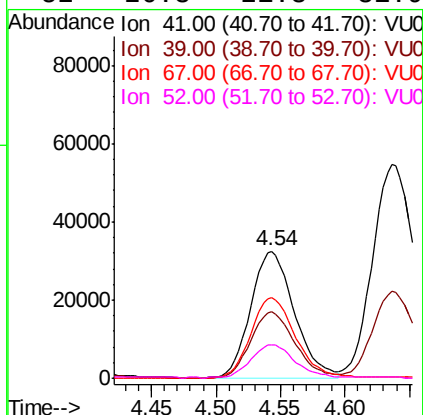
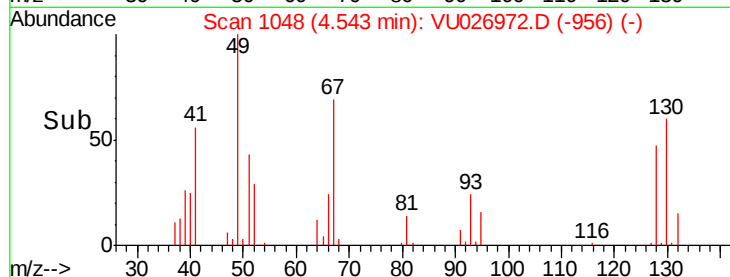
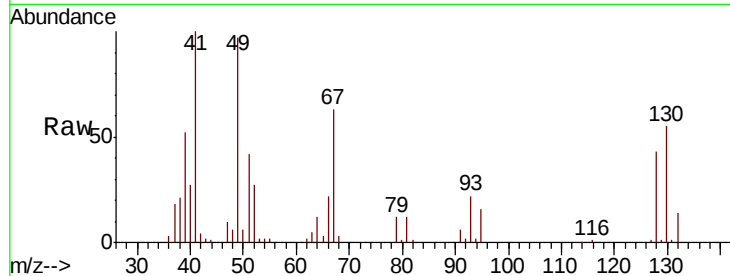
#41
Methacrylonitrile
Concen: 50.237 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.9	64.3	
67	65.0	52.4	78.6	
52	26.3	21.3	31.9	

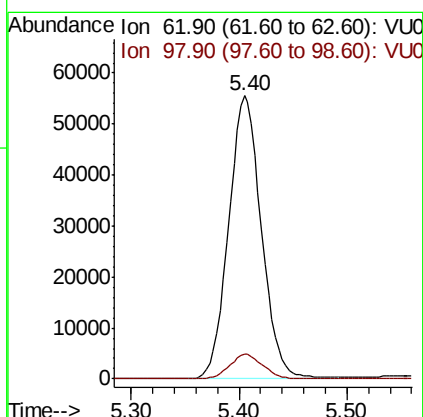
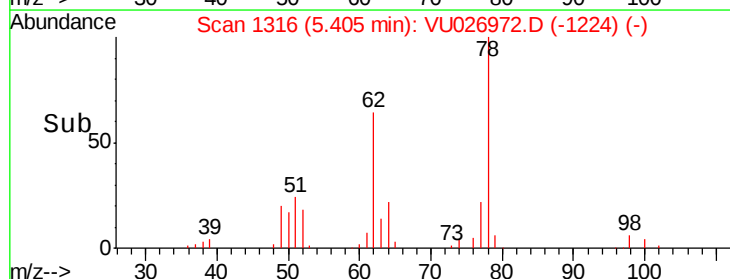
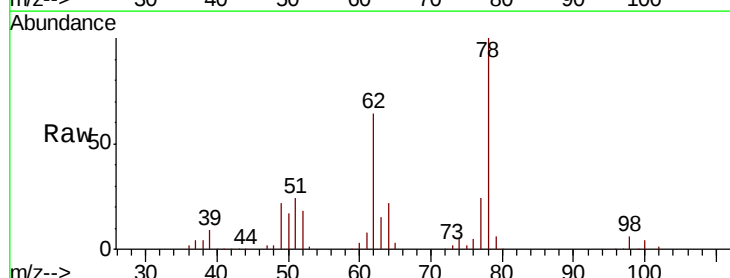
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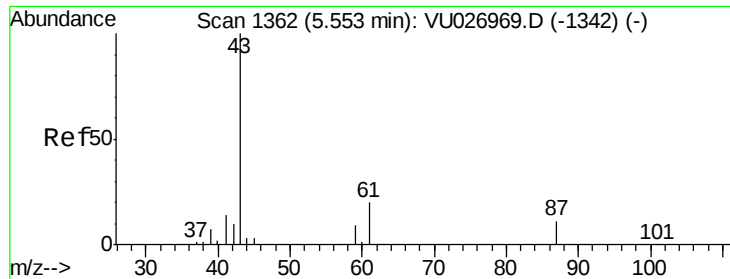
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#42
1,2-Dichloroethane
Concen: 47.076 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.0	





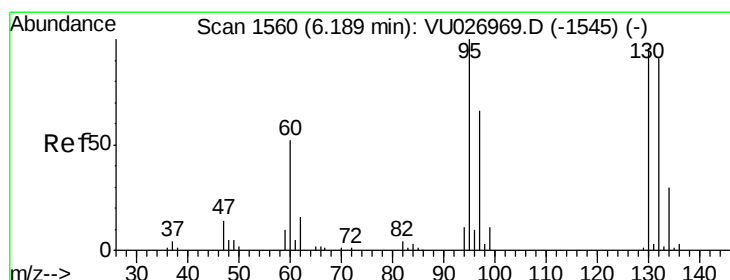
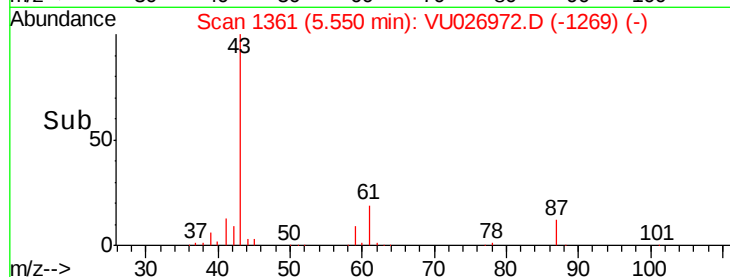
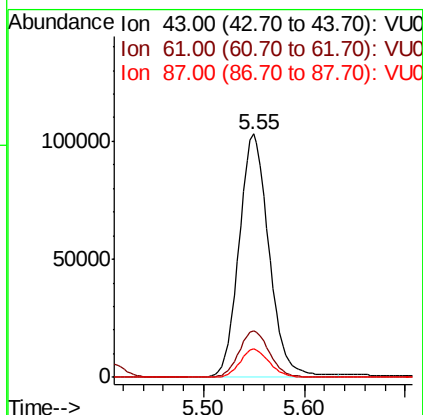
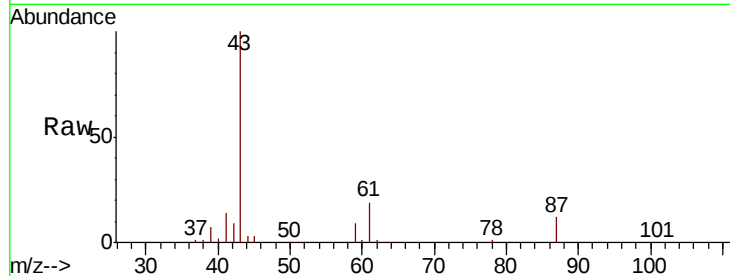
#43
Isopropyl Acetate
Concen: 49.110 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.7	23.5
87	11.4	9.0	13.4

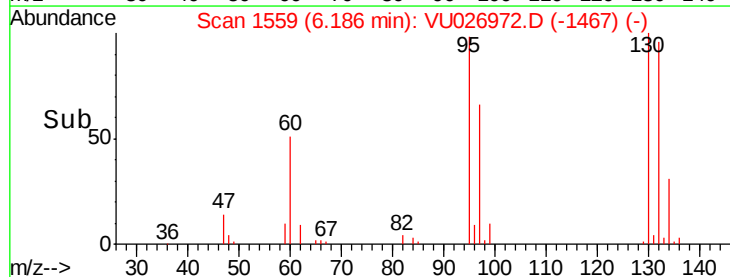
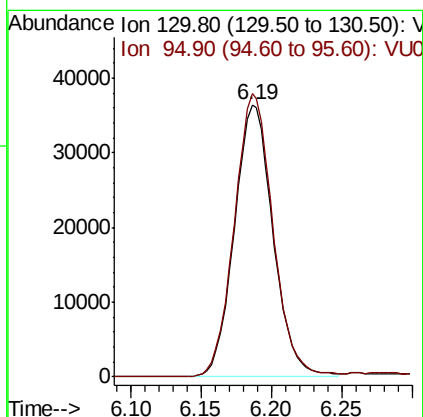
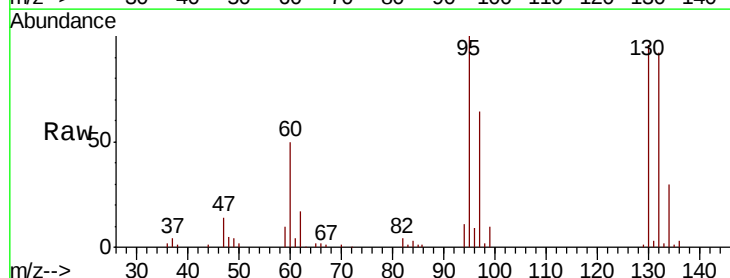
Manual Integrations
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#44
Trichloroethene
Concen: 49.758 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	208.8





#45

1,2-Dichloropropane

Concen: 48.052 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 63 Resp: 90535

Ion Ratio Lower Upper

63 100

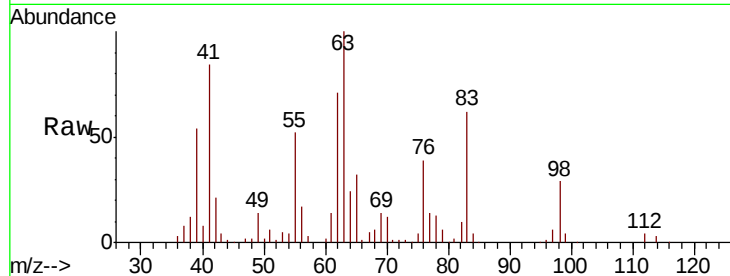
65 32.0 24.3 36.5

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

6.43

50000

40000

30000

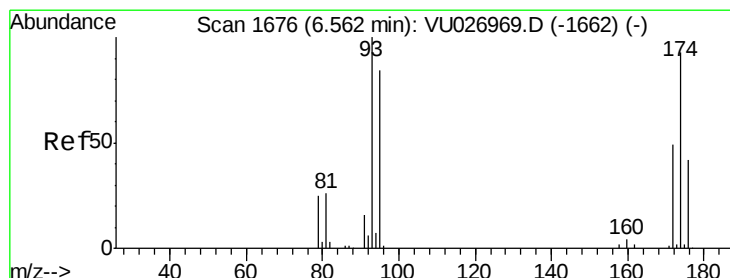
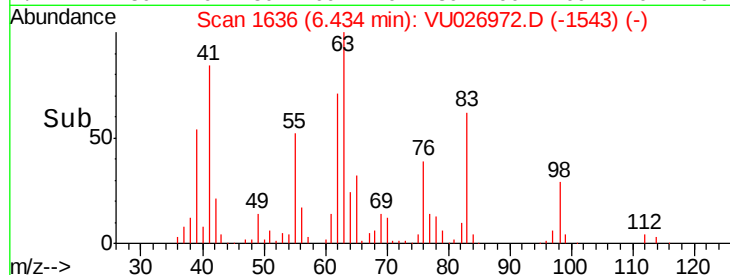
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 46.898 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

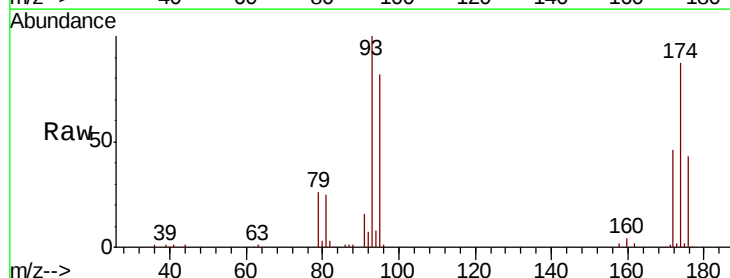
Tgt Ion: 93 Resp: 53365

Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 89.9 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

6.56

30000

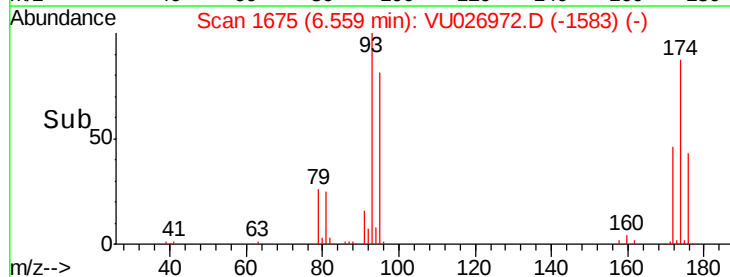
20000

10000

0

6.50 6.55 6.60 6.65

Time-->





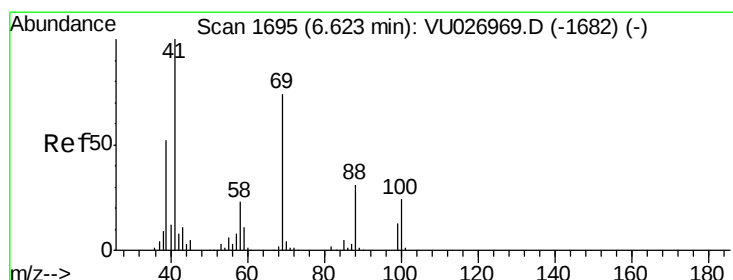
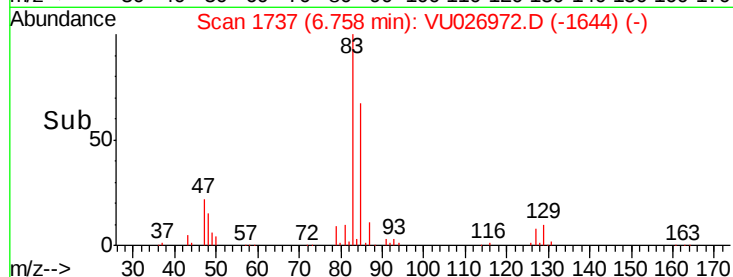
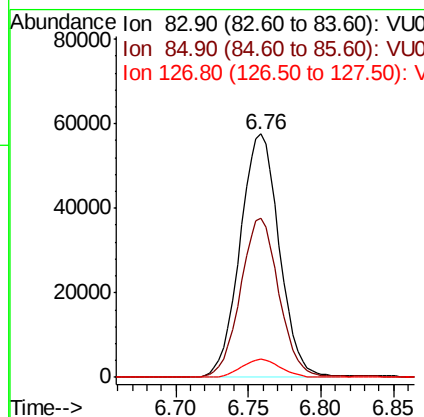
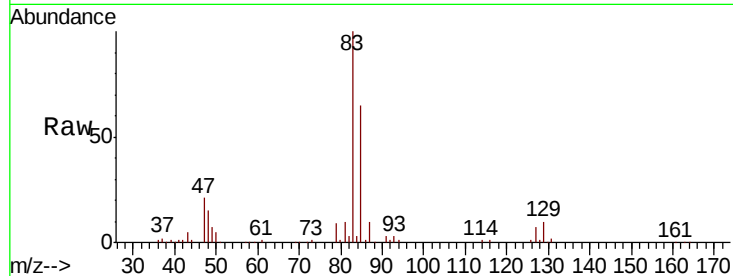
#47
Bromodichloromethane
Concen: 47.071 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	83	Resp	108305
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	52.5	78.7
127	7.4	6.3	9.5

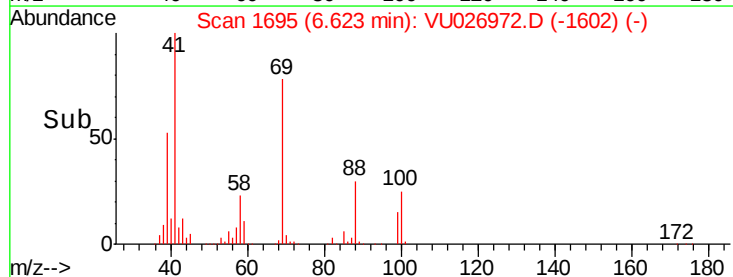
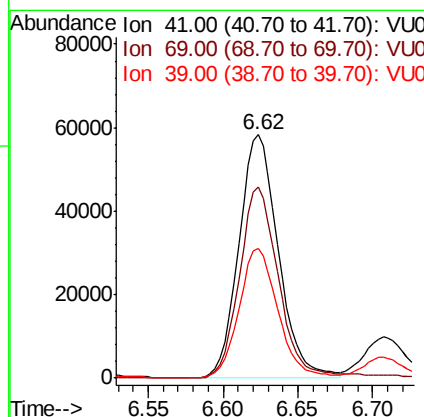
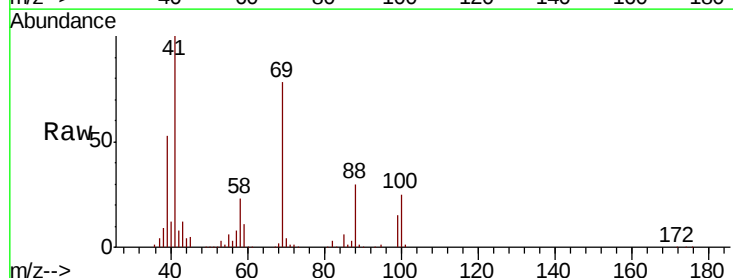
Manual Integrations
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#48
Methyl methacrylate
Concen: 45.783 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	41	Resp	106805
Ion Ratio	100	Lower	Upper
41	100		
69	79.7	60.6	90.8
39	52.8	42.8	64.2





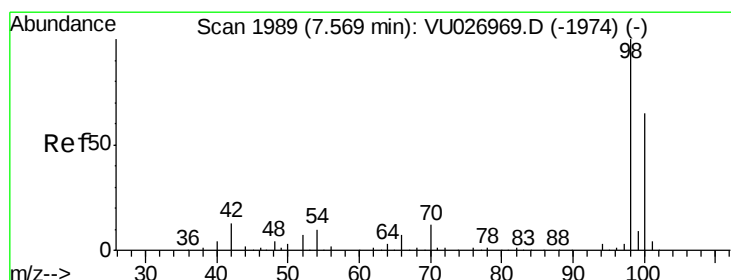
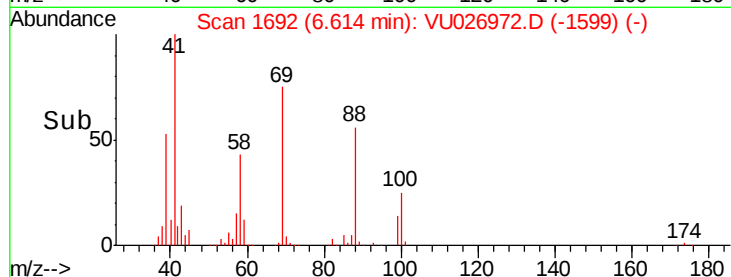
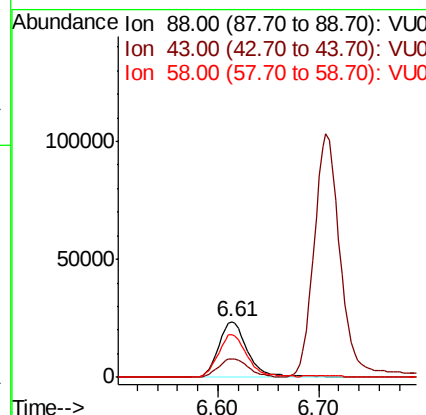
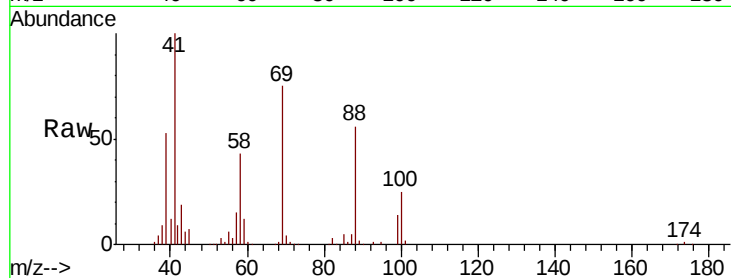
#49
1,4-Dioxane
Concen: 1030.082 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.8	44.8
58	76.1	63.9	95.9

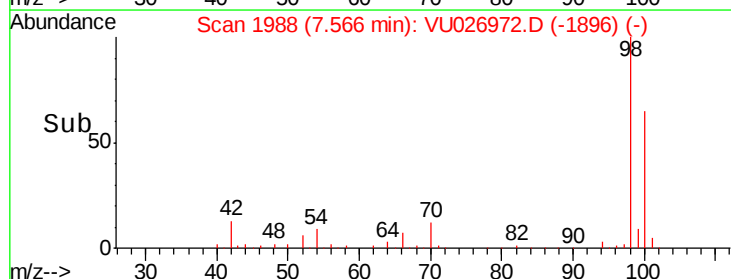
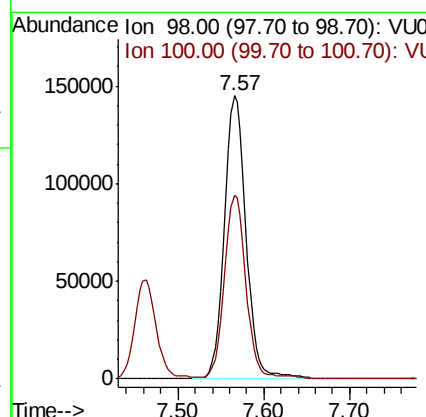
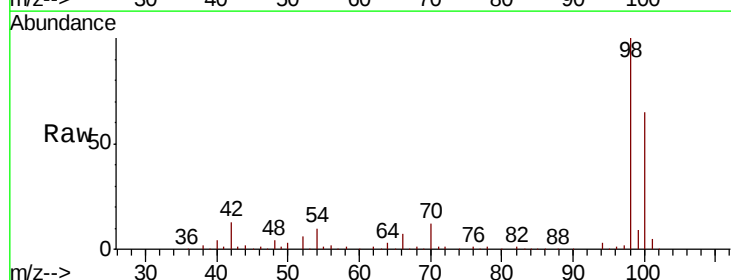
Manual Integrations
APPROVED

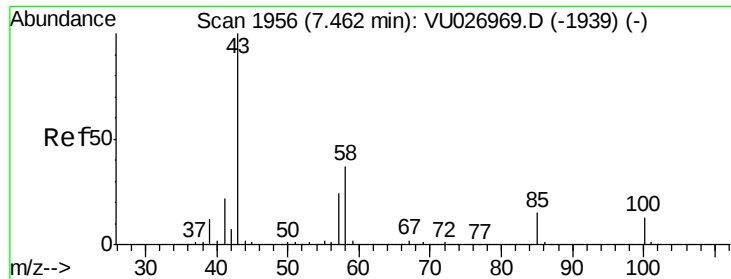
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#50
Toluene-d8
Concen: 47.390 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 244.147 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 43 Resp: 705142

Ion Ratio Lower Upper

43 100

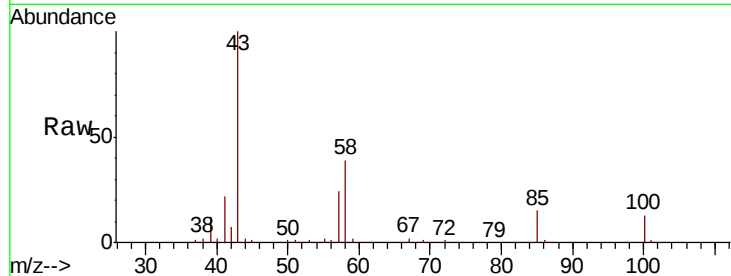
58 37.9 29.8 44.6

Manual Integrations

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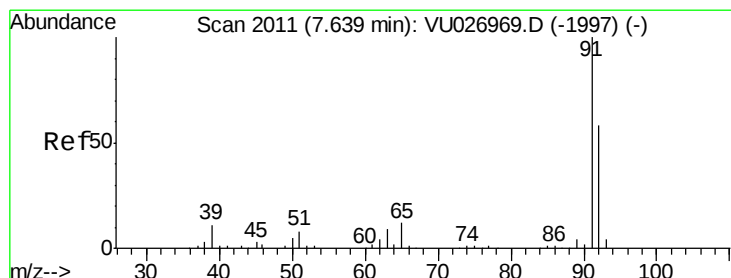
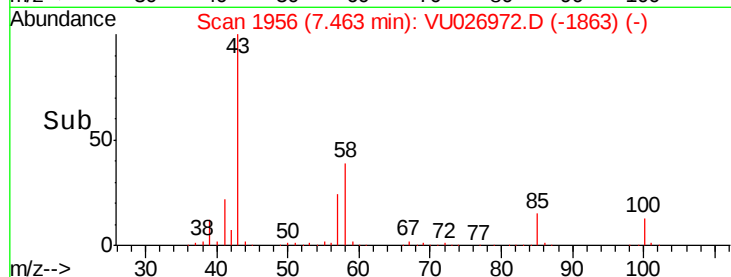
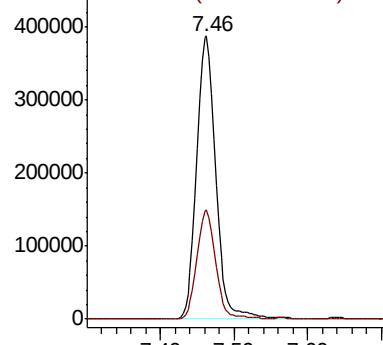
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.617 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU026972.D

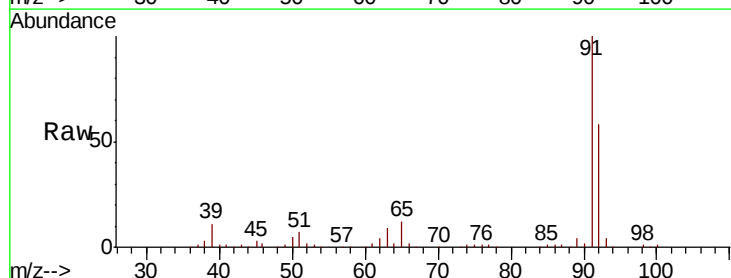
Acq: 21 Sep 2018 17:04

Tgt Ion: 92 Resp: 188062

Ion Ratio Lower Upper

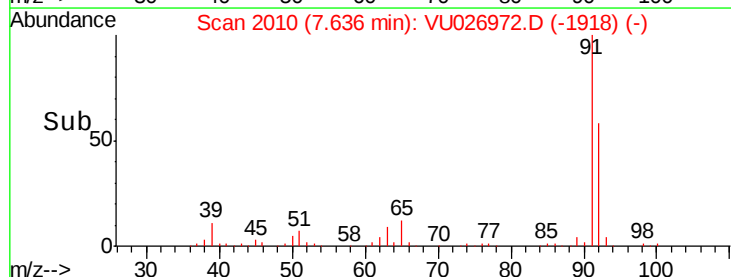
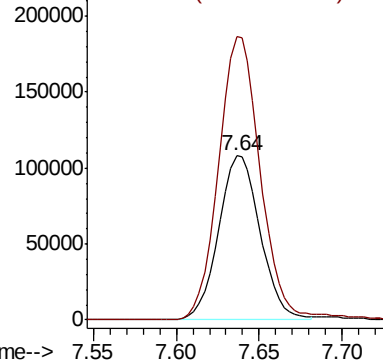
92 100

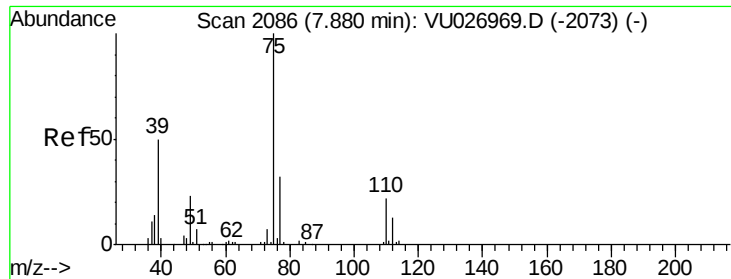
91 175.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





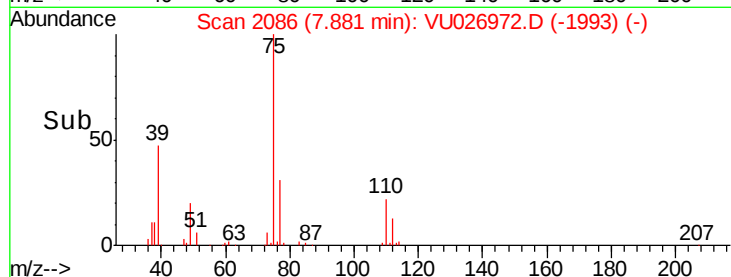
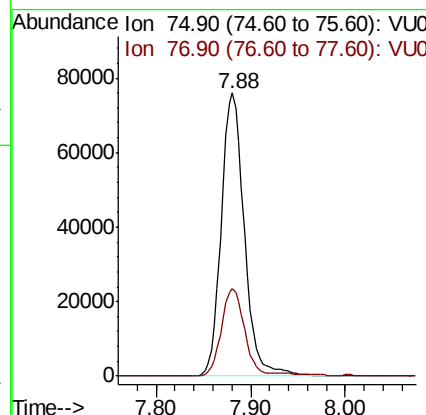
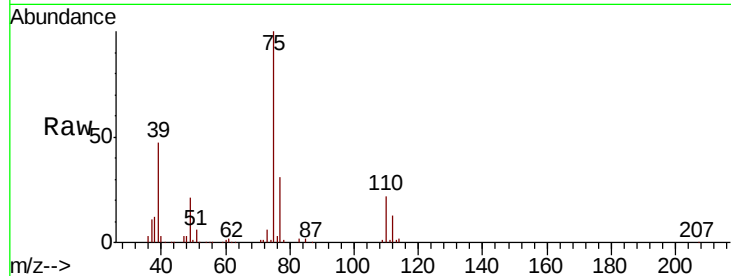
#53
t-1,3-Dichloropropene
Concen: 52.144 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.3	37.9

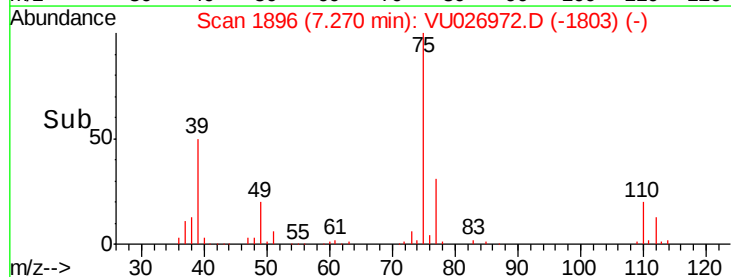
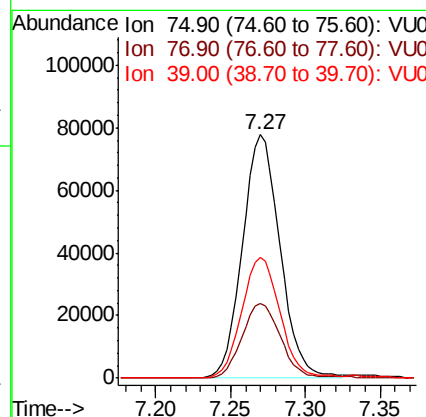
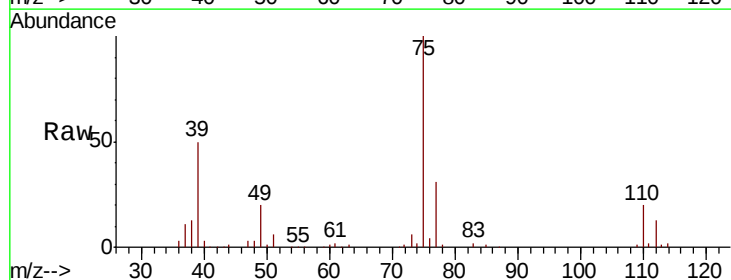
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 50.123 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	49.7	41.6	62.4





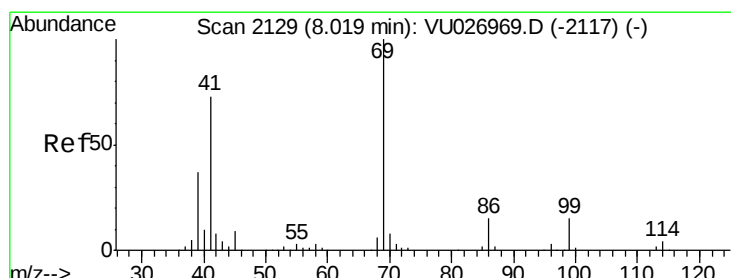
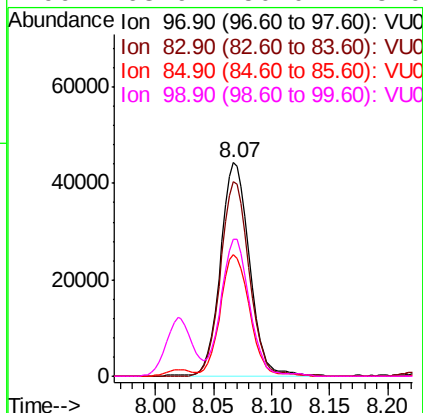
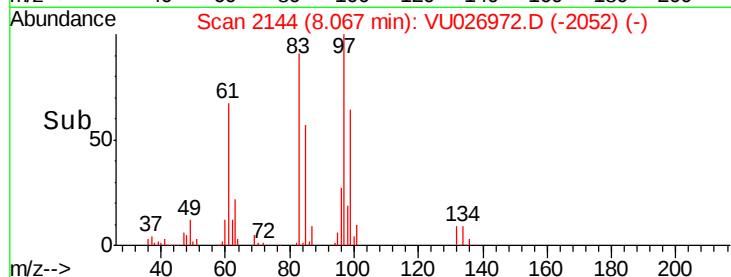
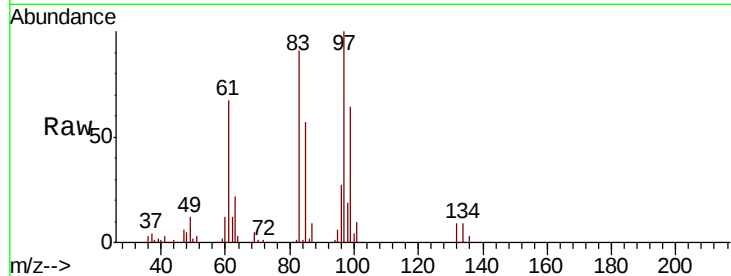
#55
 1,1,2-Trichloroethane
 Concen: 47.845 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Tot Ion:	97	Resp:	76840
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.1	109.7
85	57.1	46.7	70.1
99	63.9	50.0	75.0

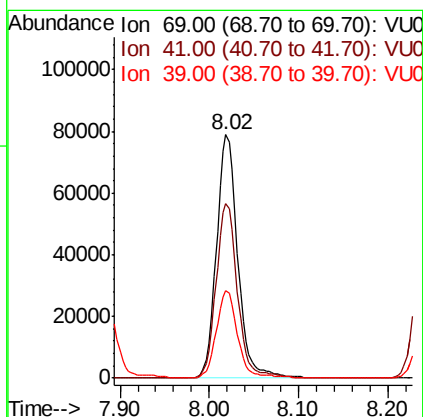
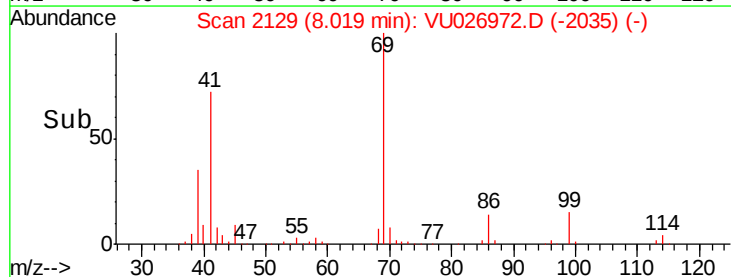
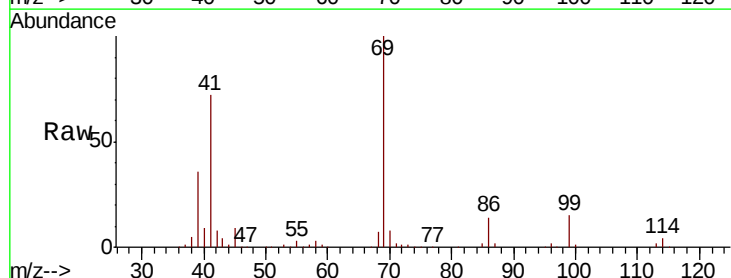
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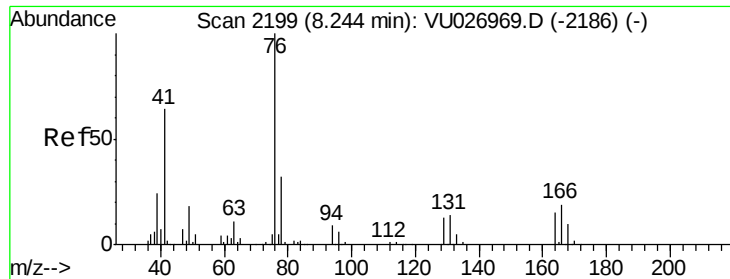
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#56
 Ethyl methacrylate
 Concen: 46.916 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion:	69	Resp:	130342
Ion	Ratio	Lower	Upper
69	100		
41	72.2	59.0	88.4
39	35.6	30.2	45.4





#57

1,3-Dichloropropane

Concen: 48.797 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 76 Resp: 145759

Ion Ratio Lower Upper

76 100

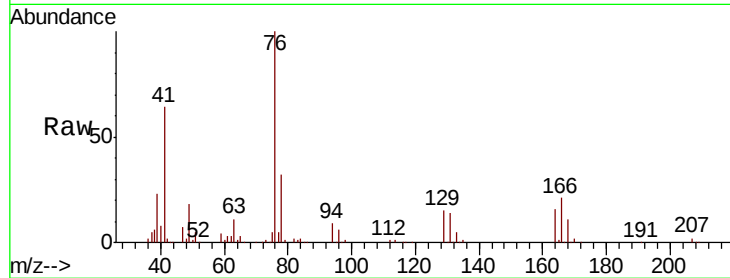
78 31.6 25.5 38.3

Manual Integrations

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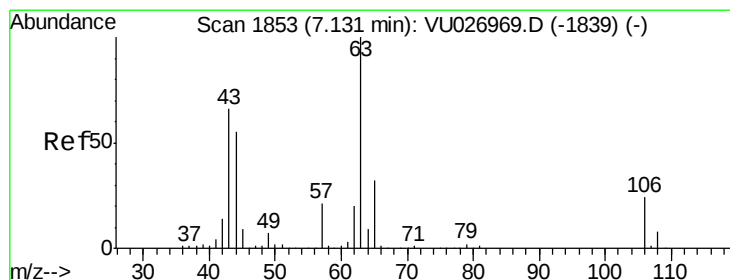
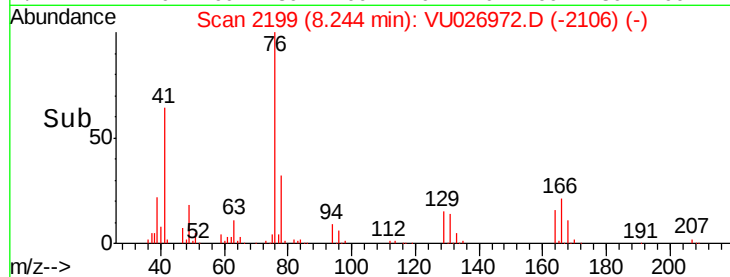
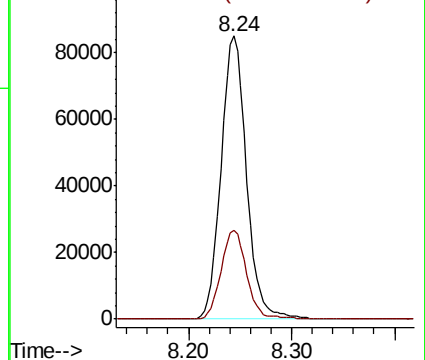
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 237.647 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU026972.D

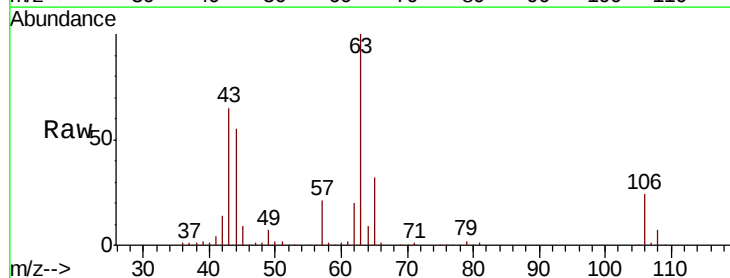
Acq: 21 Sep 2018 17:04

Tgt Ion: 63 Resp: 375440

Ion Ratio Lower Upper

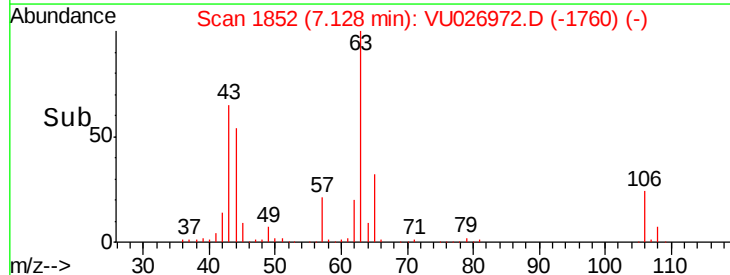
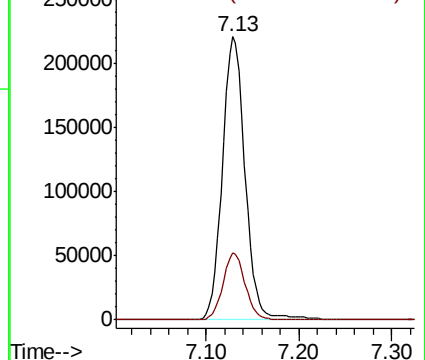
63 100

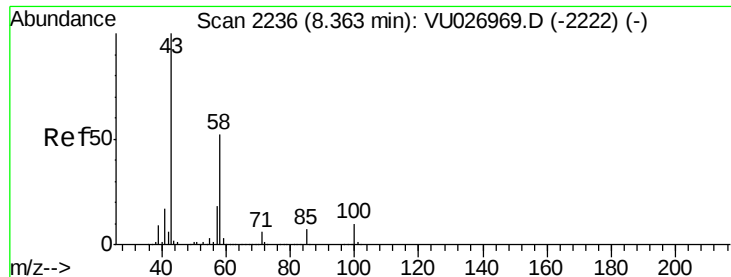
106 23.2 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





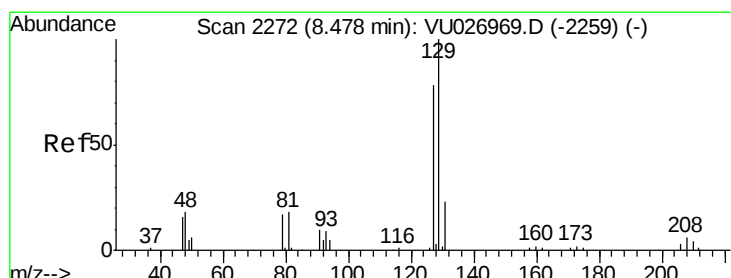
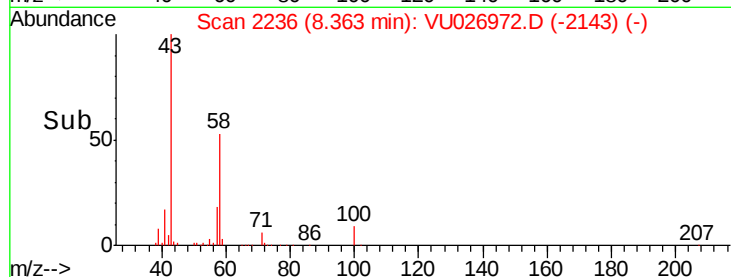
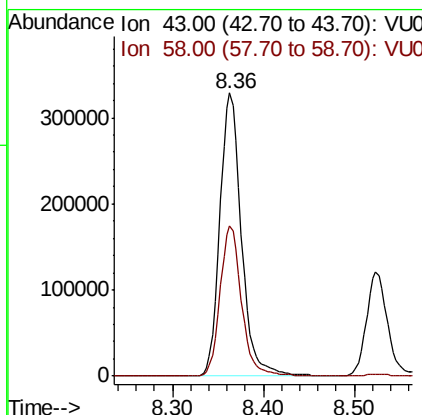
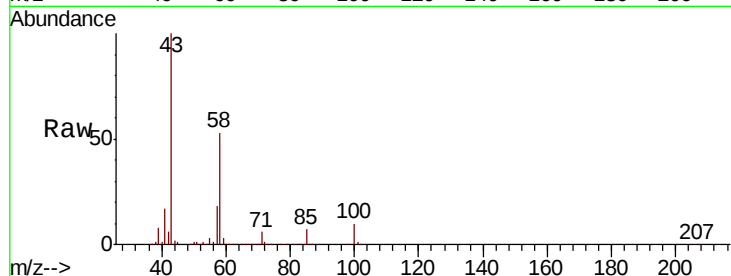
#59
2-Hexanone
Concen: 239.731 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

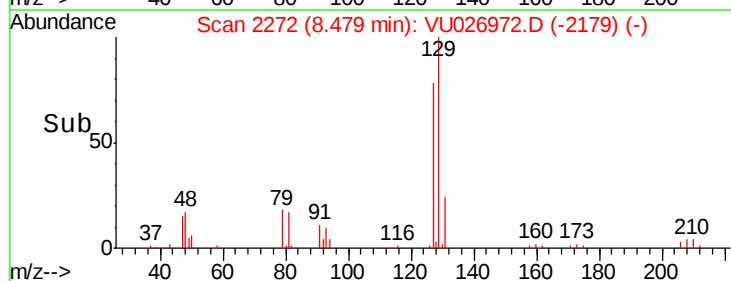
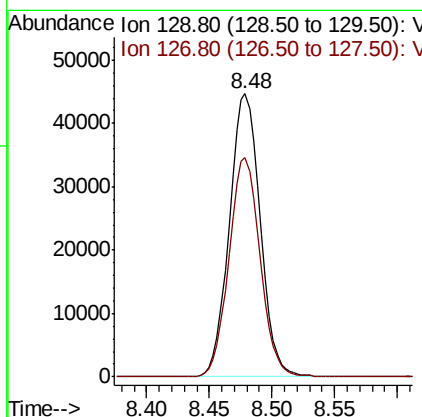
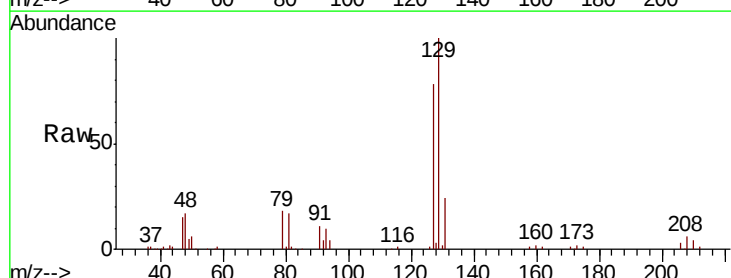
Manual Integrations
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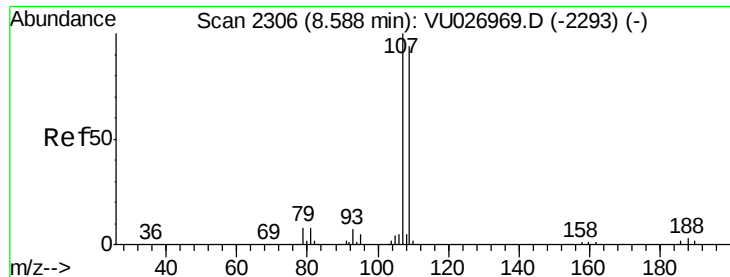
MMDadoda
9/24/2018 2:14:08 PM



#60
Dibromochloromethane
Concen: 48.459 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.1	114.5





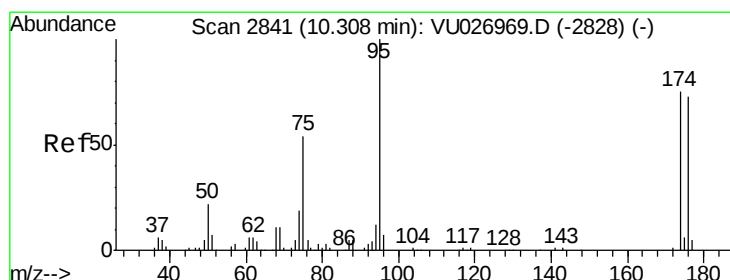
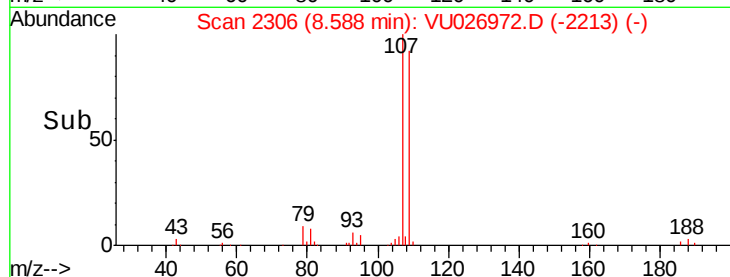
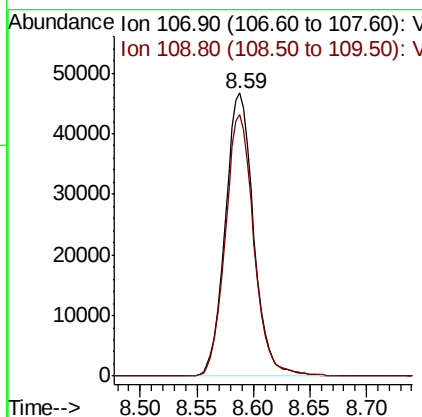
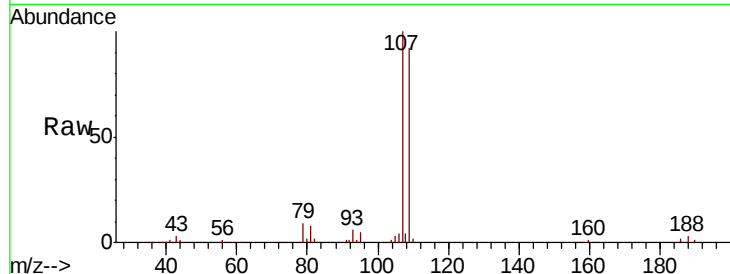
#61
 1,2-Dibromoethane
 Concen: 48.790 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.0	112.6

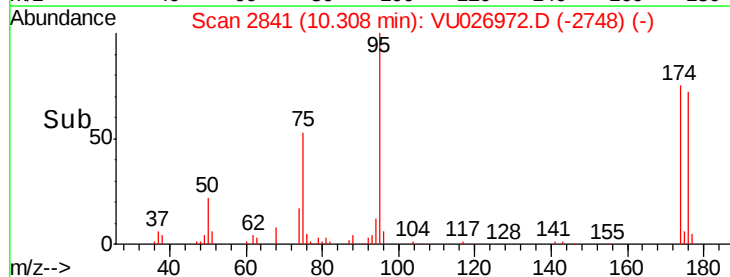
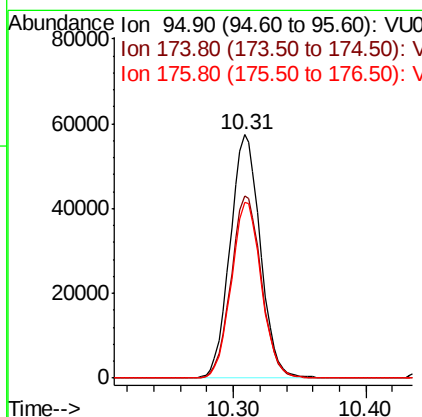
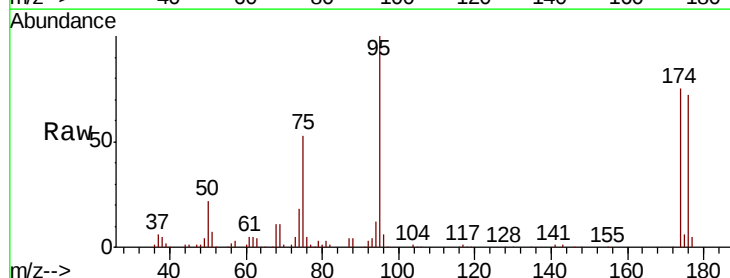
Manual Integrations
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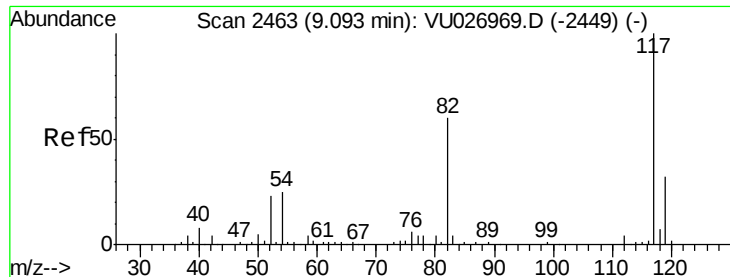
MMDadoda
 9/24/2018 2:14:08 PM



#62
 4-Bromofluorobenzene
 Concen: 49.251 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	150.2
176	71.7	0.0	145.2





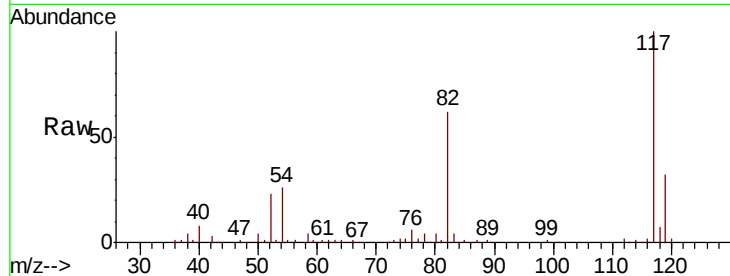
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	48.0	72.0
119	32.0	25.8	38.8

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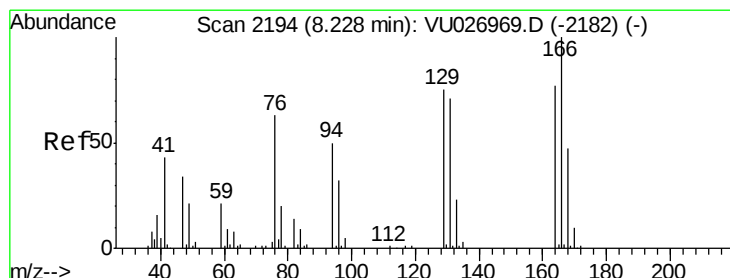
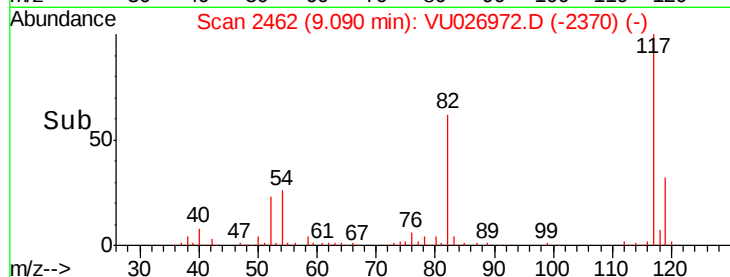
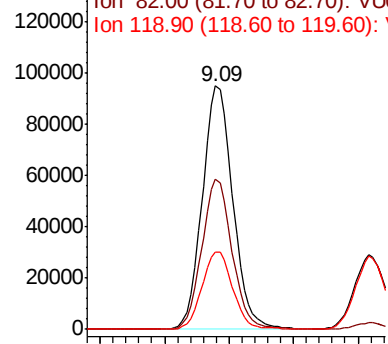


Abundance

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: 49.100 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	104.4	156.6
129	95.3	78.7	118.1
131	91.8	73.9	110.9

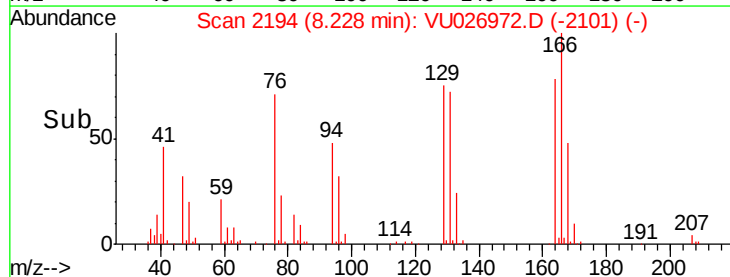
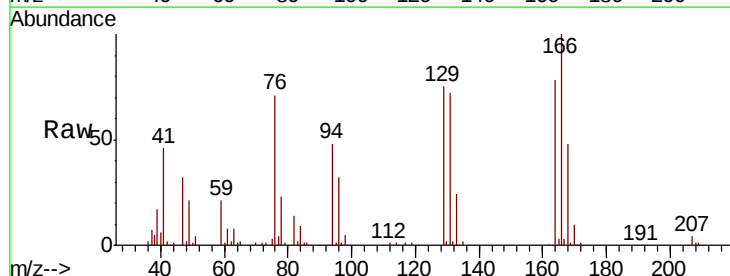
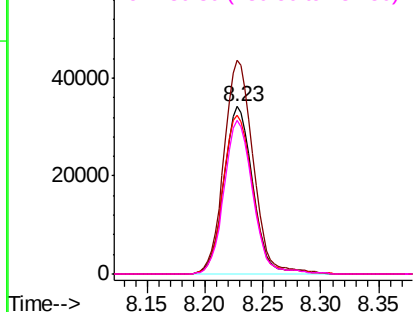
Abundance

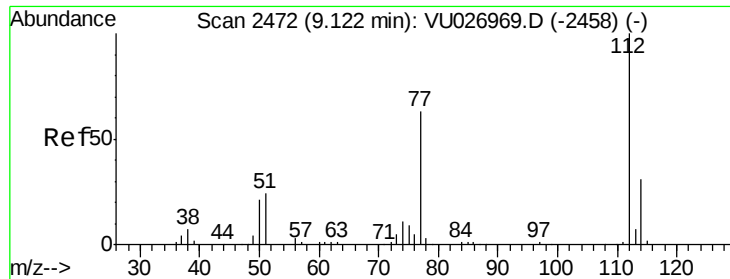
Ion 163.80 (163.50 to 164.50): V

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





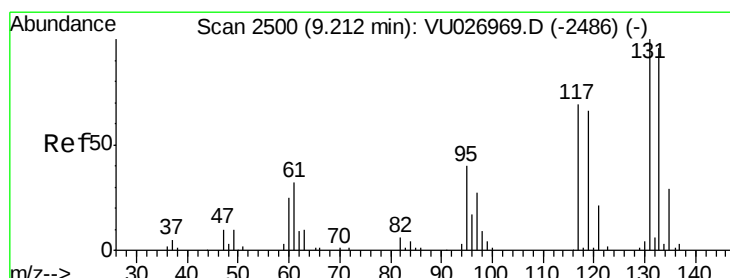
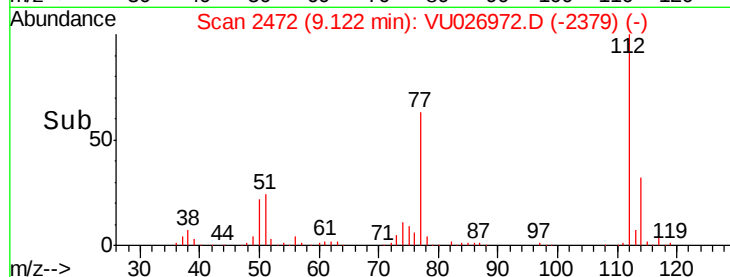
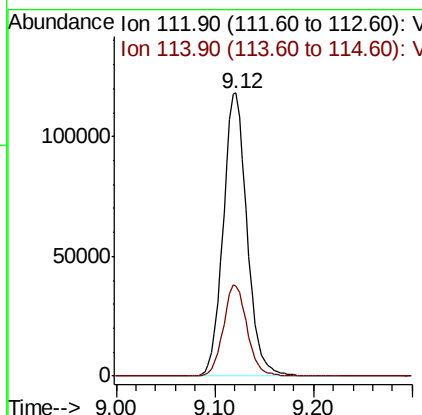
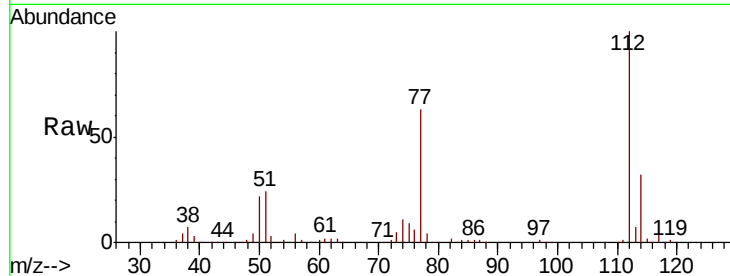
#65
Chlorobenzene
Concen: 48.258 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion:112 Resp: 199717
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.6

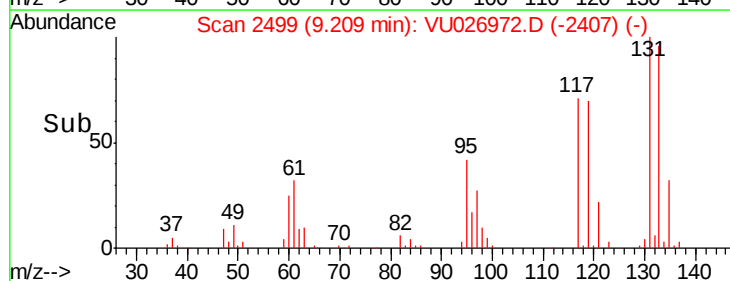
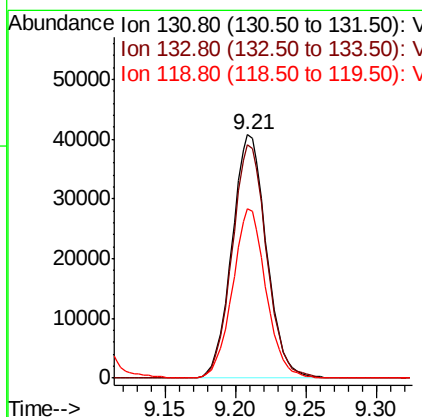
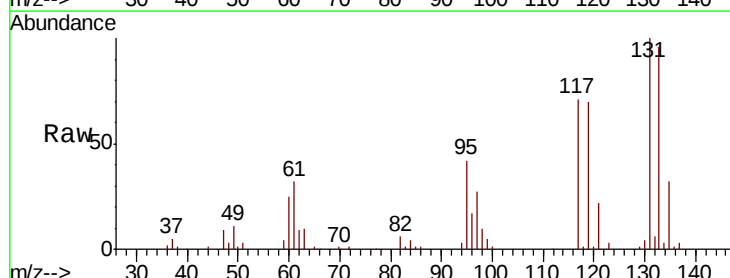
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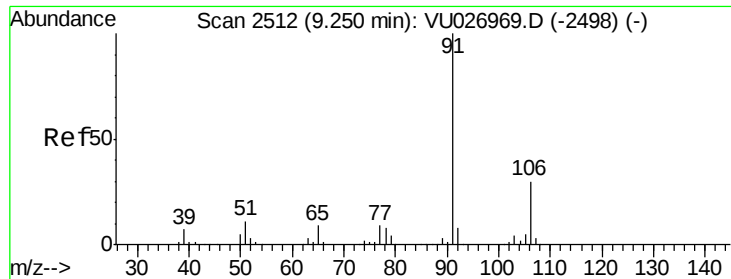
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.929 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion:131 Resp: 69746
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 67.7 33.4 100.1





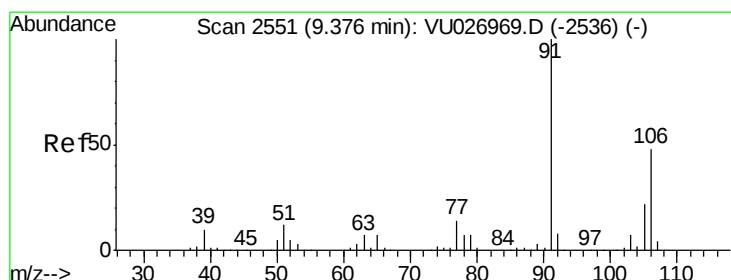
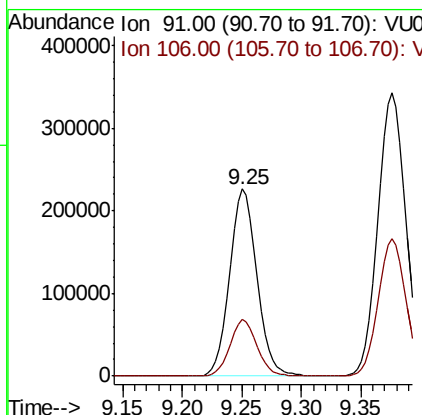
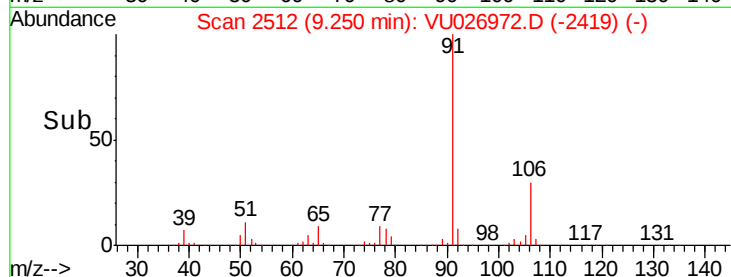
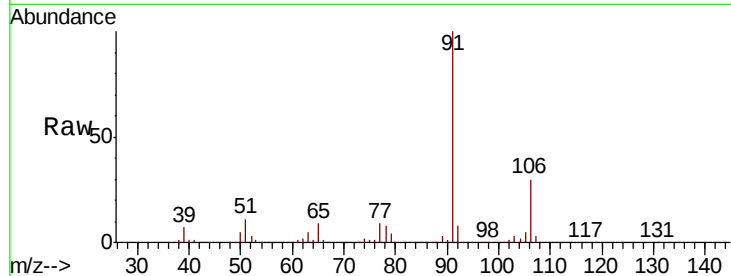
#67
Ethyl Benzene
Concen: 52.961 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion: 91 Resp: 360419
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

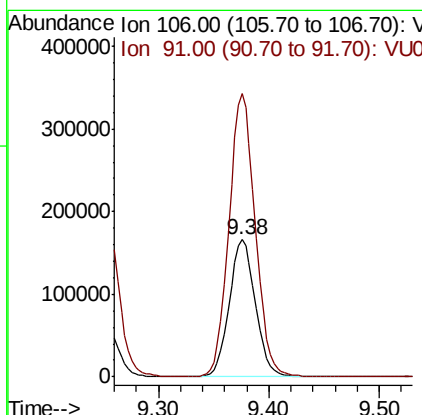
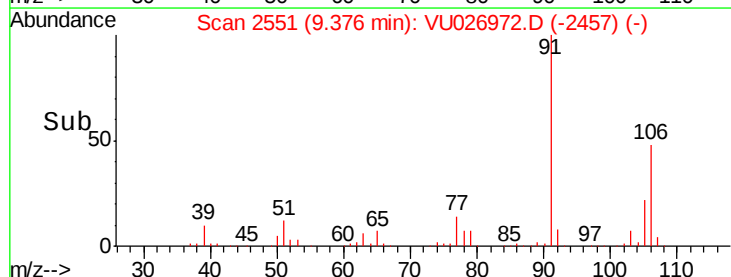
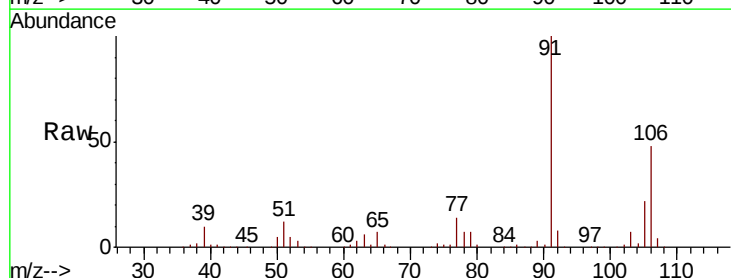
Manual Integrations
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#68
m/p-Xylenes
Concen: 98.955 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion: 106 Resp: 272682
Ion Ratio Lower Upper
106 100
91 207.1 166.5 249.7





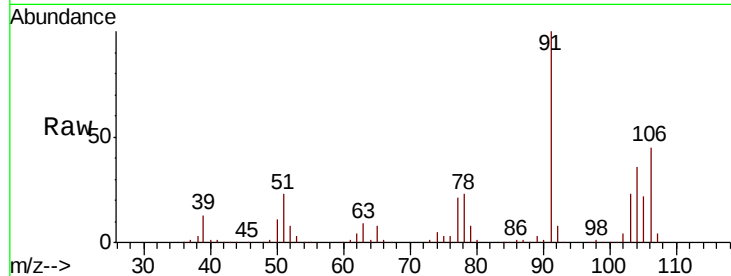
#69
o-Xylene
Concen: 53.635 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

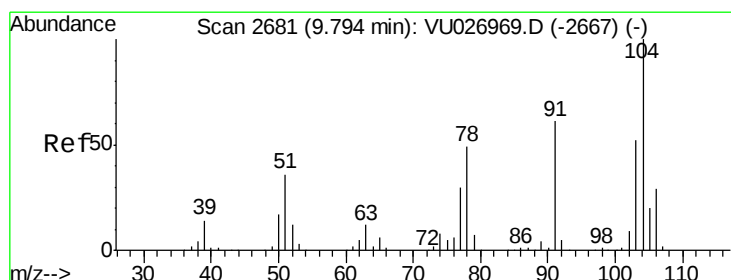
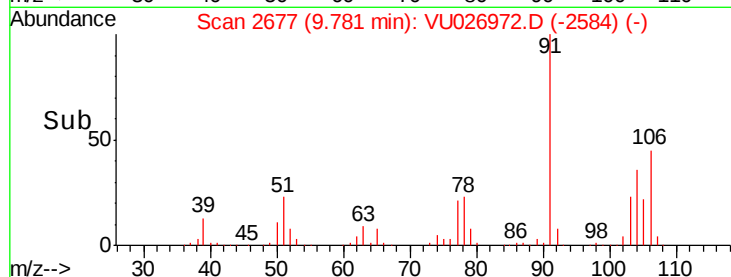
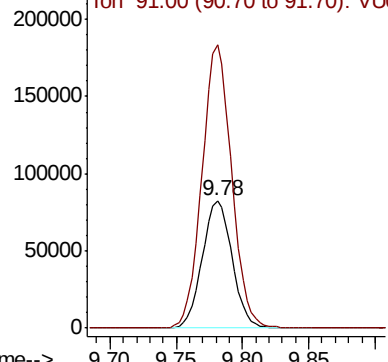
Tot Ion	Ratio	Lower	Upper
106	100		
91	220.2	110.2	330.6

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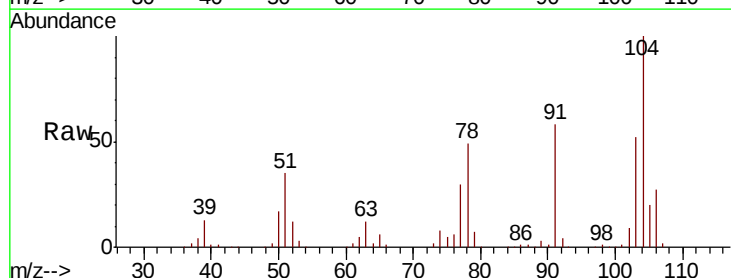


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

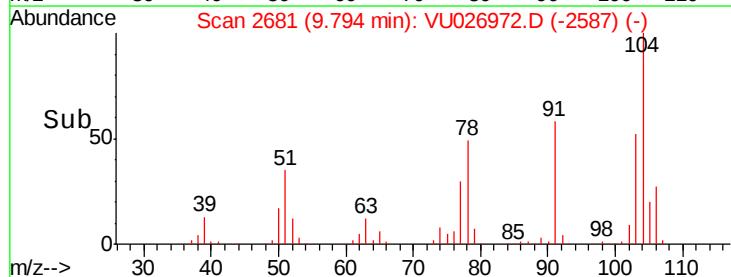
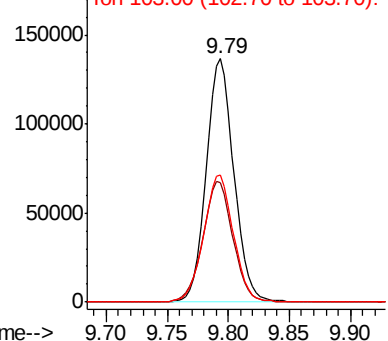


#70
Styrene
Concen: 47.934 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.4
103	56.1	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: 50.001 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

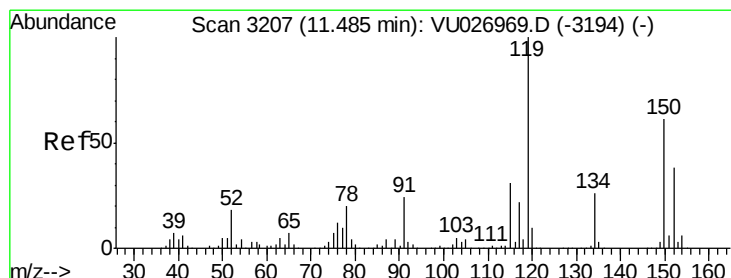
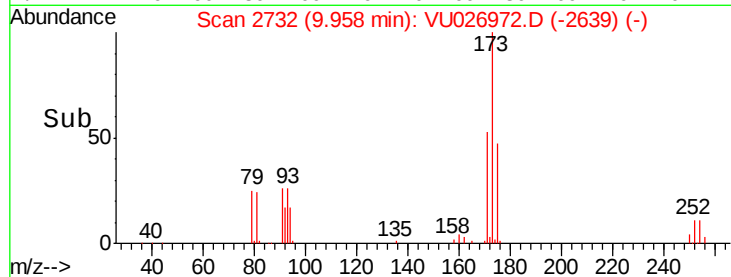
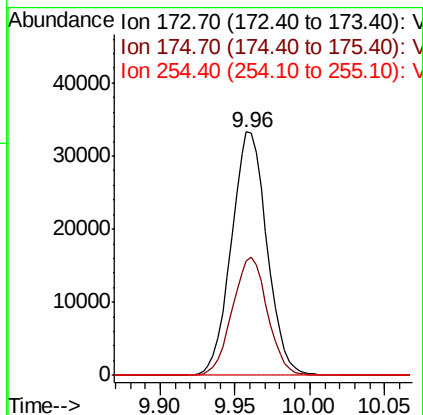
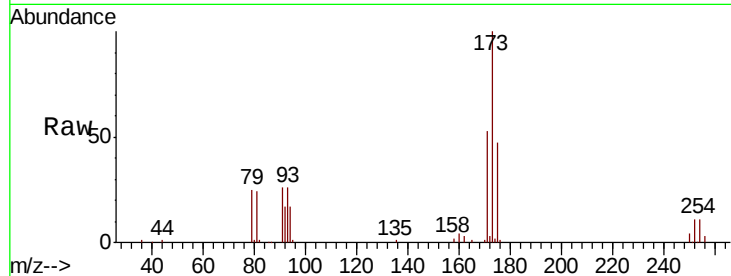
ClientSampleId :

ICVVU092218

Tot Ion:	173	Resp:	55117
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

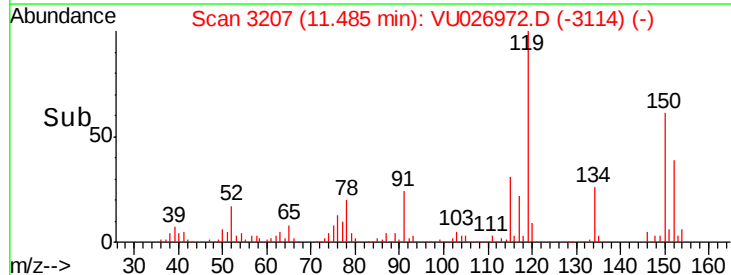
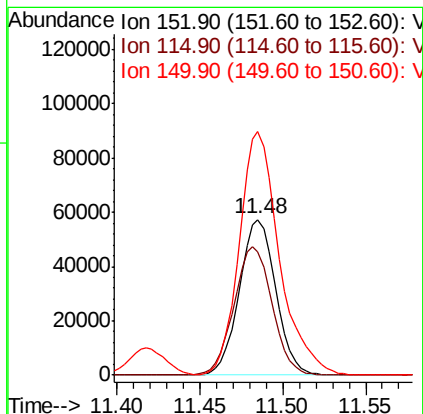
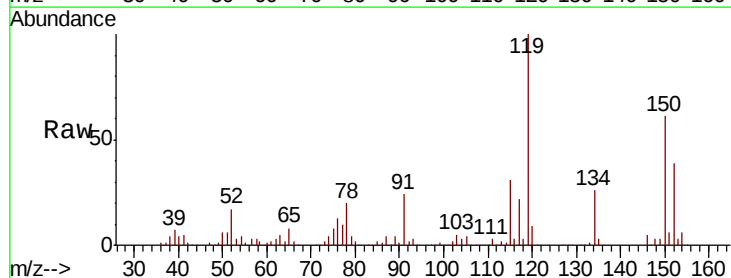
RT: 11.48 min Scan# 3207

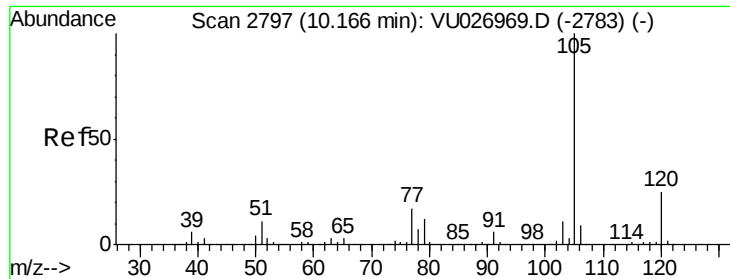
Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion:	152	Resp:	87547
Ion	Ratio	Lower	Upper
152	100		
115	86.3	44.9	134.5
150	172.2	0.0	355.8





#73

Isopropylbenzene

Concen: 52.970 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion: 105 Resp: 352756

Ion Ratio Lower Upper

105 100

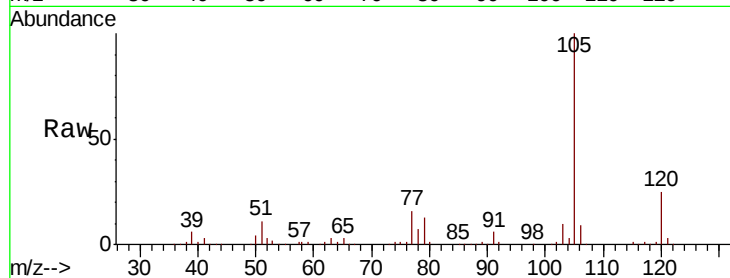
120 25.6 12.8 38.4

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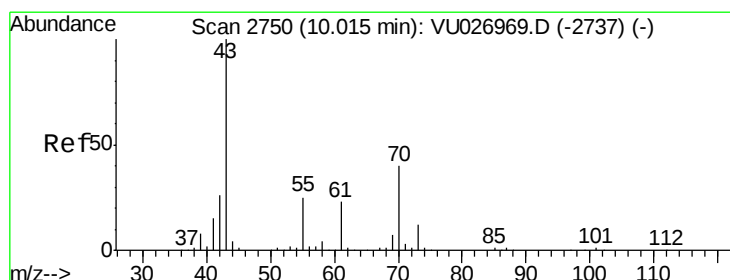
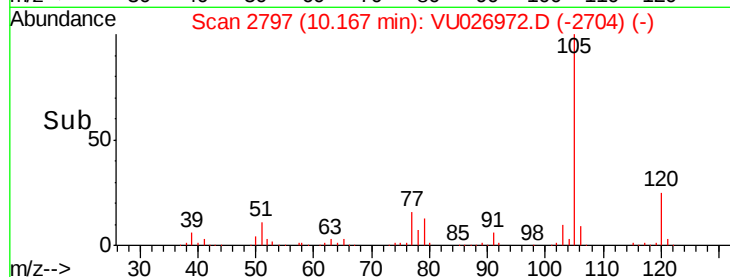
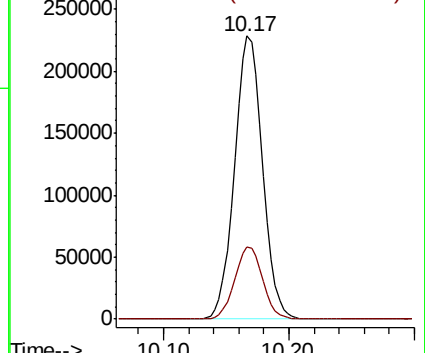
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.975 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion: 43 Resp: 196501

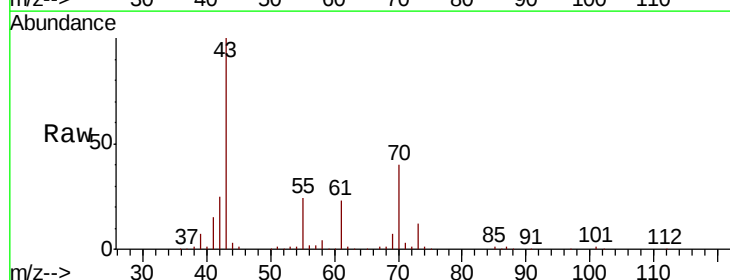
Ion Ratio Lower Upper

43 100

70 39.7 31.8 47.8

55 24.1 19.9 29.9

61 23.0 18.4 27.6

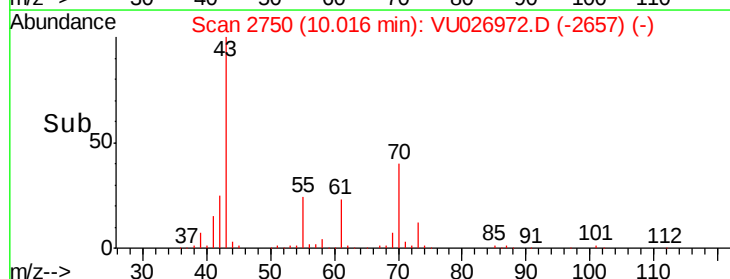
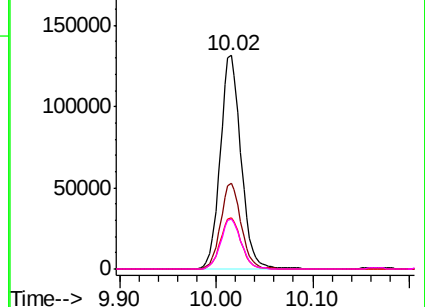


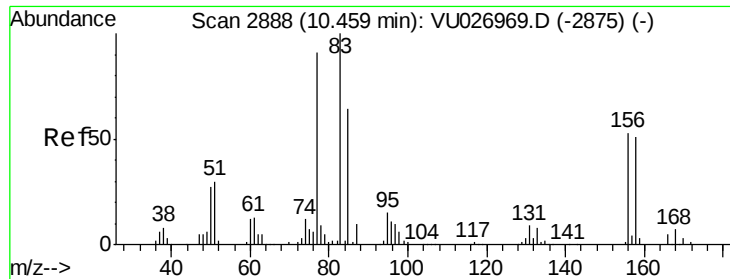
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 43.779 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

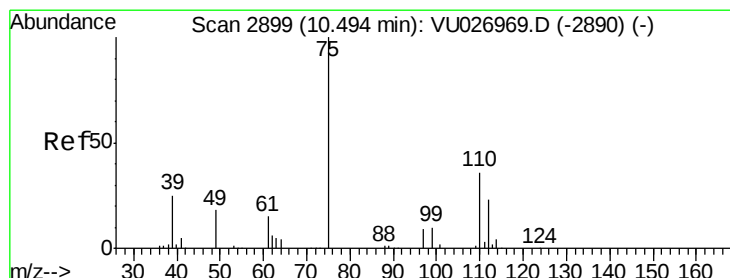
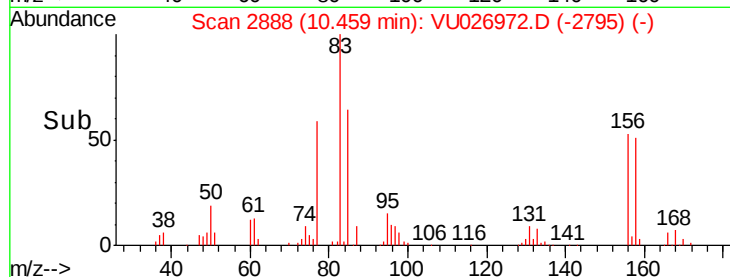
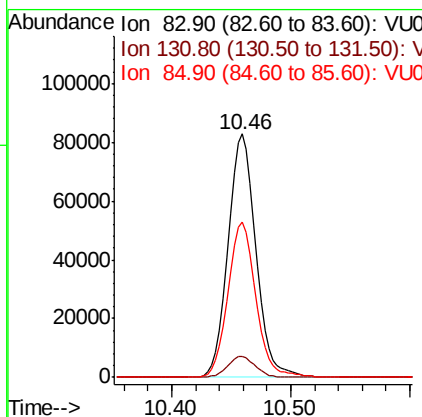
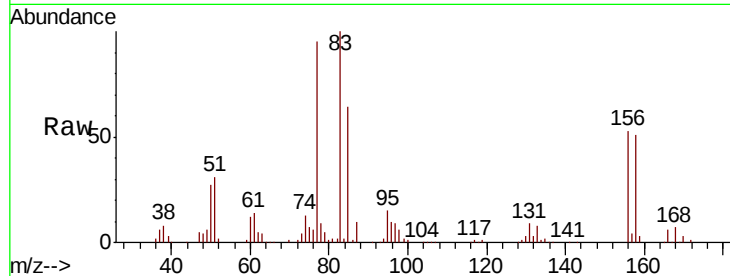
ClientSampleId :

ICVVU092218

Tot Ion:	83	Resp:	134046
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	12.8
85	64.1	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 42.688 ug/l m

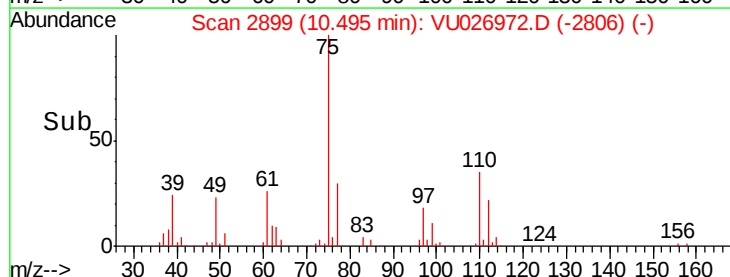
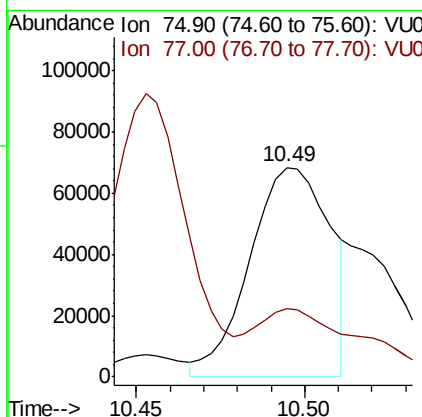
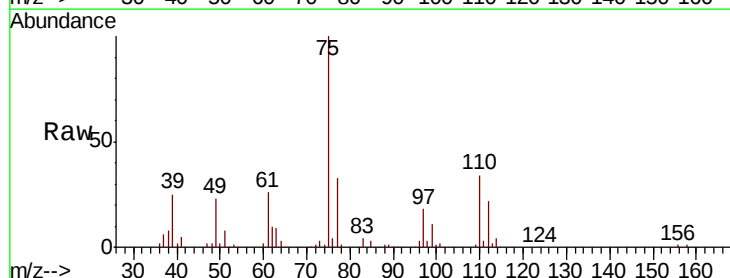
RT: 10.49 min Scan# 2899

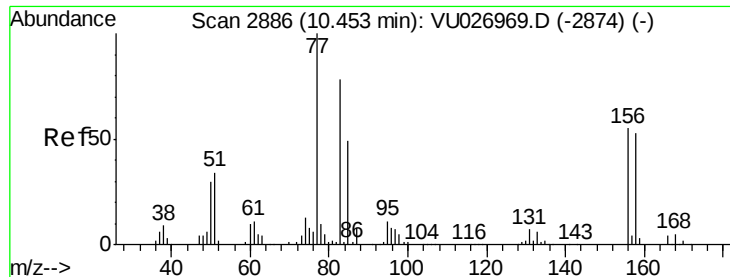
Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion:	75	Resp:	113535
Ion Ratio	Lower	Upper	
75	100		
77	42.2	20.9	62.8





#77

Bromobenzene

Concen: 49.399 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

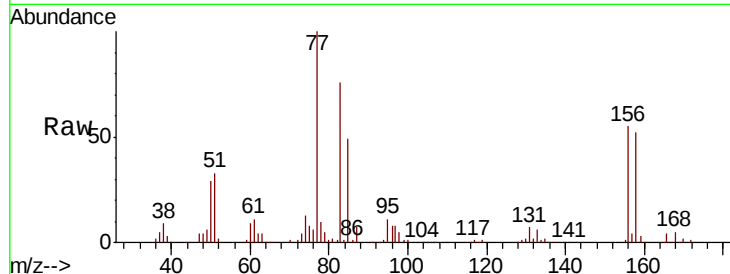
ClientSampleId :

ICVVU092218

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.2	92.3	276.9
158	96.6	48.1	144.3

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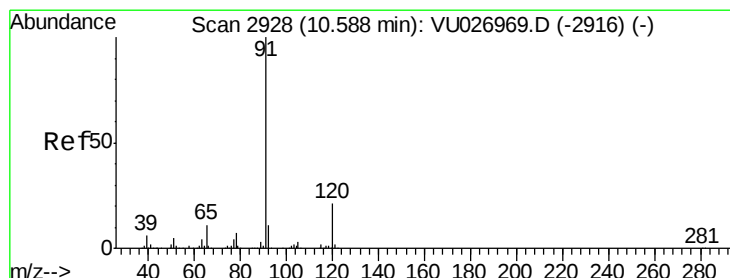
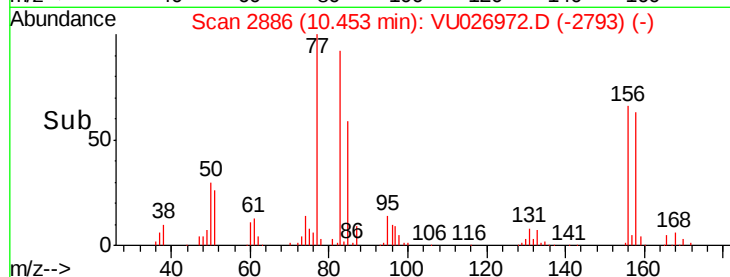
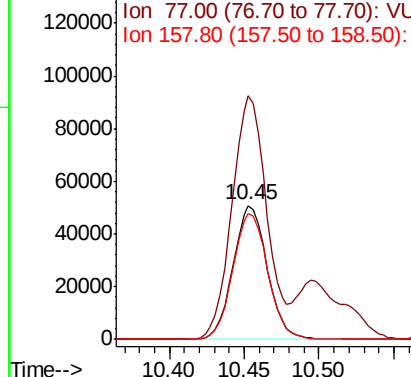


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.721 ug/l

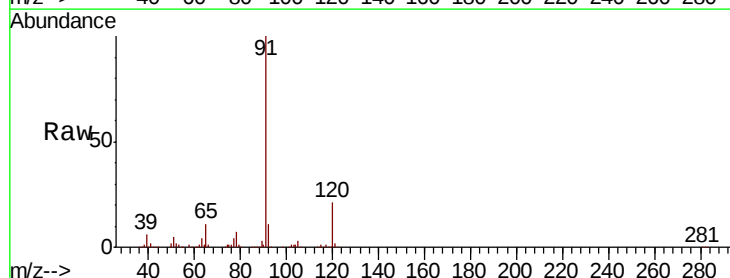
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

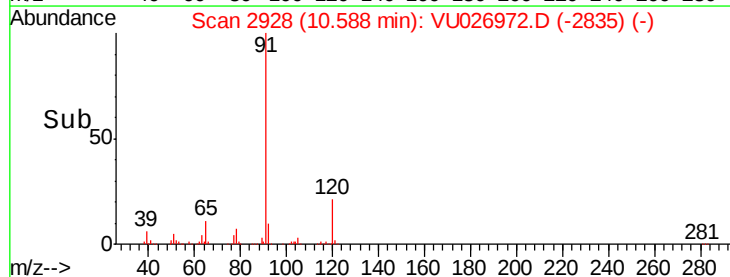
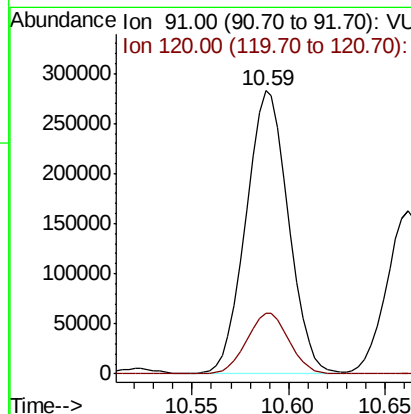
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.6	31.8



Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





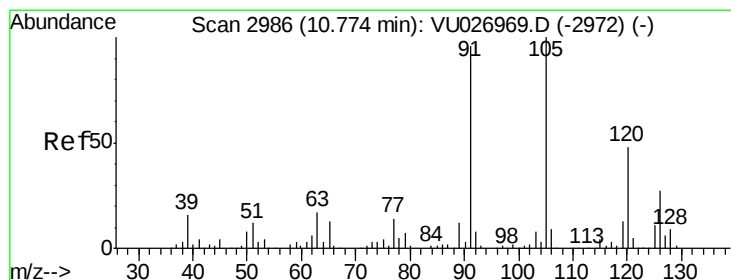
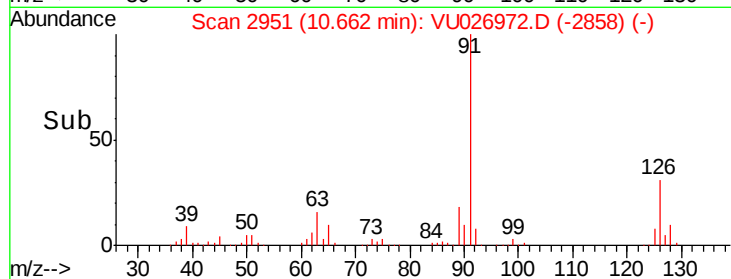
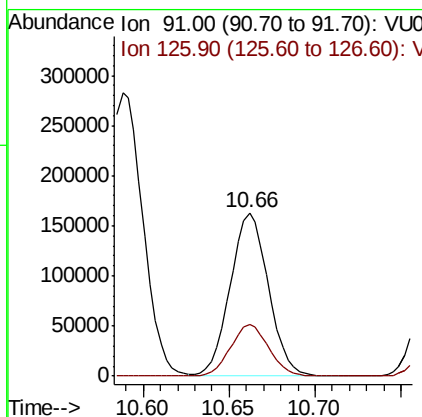
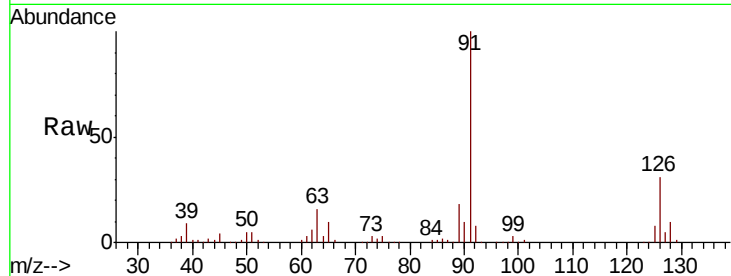
#79
2-Chlorotoluene
Concen: 50.595 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion: 91 Resp: 250424
Ion Ratio Lower Upper
91 100
126 31.7 15.8 47.3

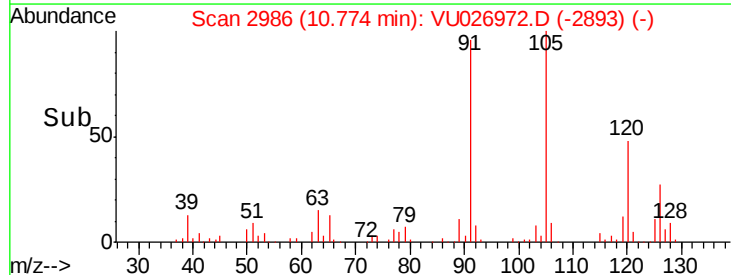
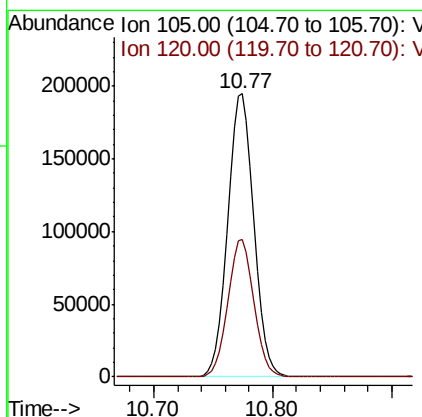
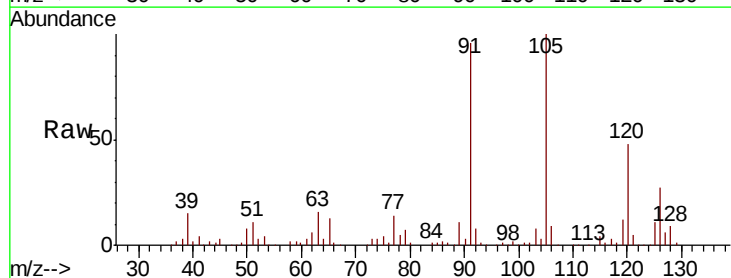
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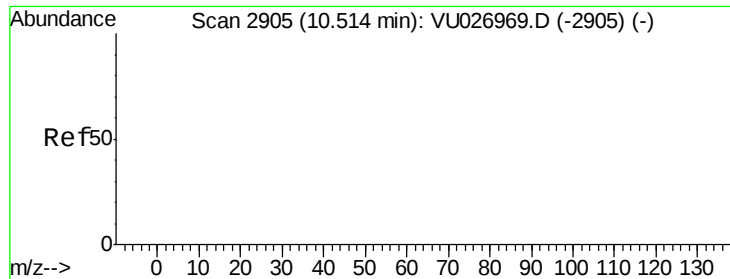
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#80
1,3,5-Trimethylbenzene
Concen: 53.771 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion: 105 Resp: 295598
Ion Ratio Lower Upper
105 100
120 48.3 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.363 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026972.D

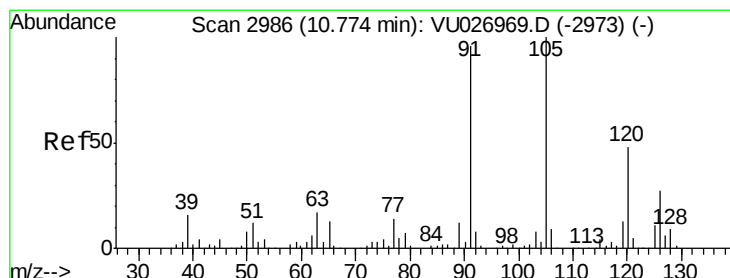
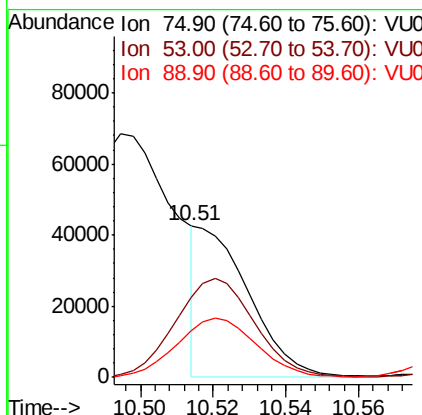
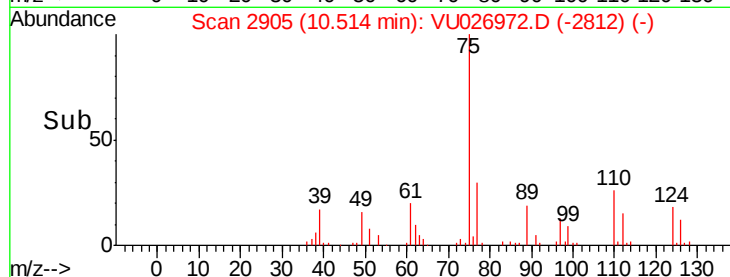
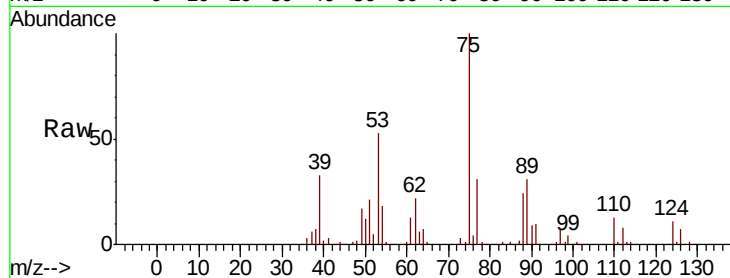
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

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: 52.184 ug/l

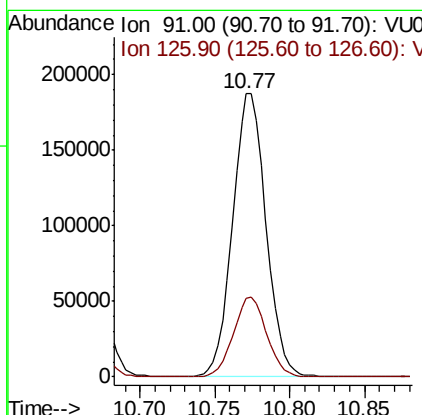
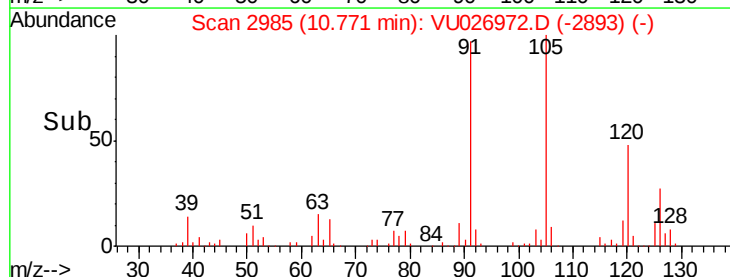
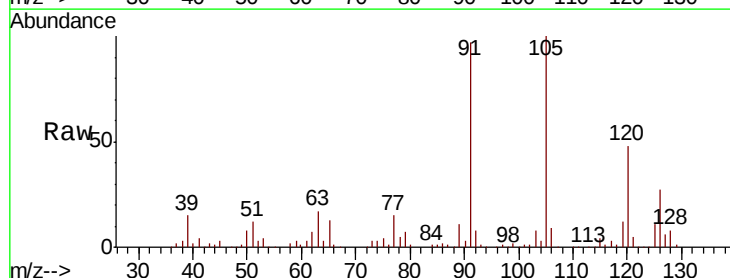
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.2





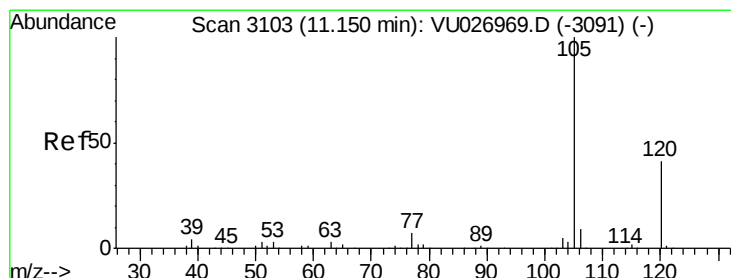
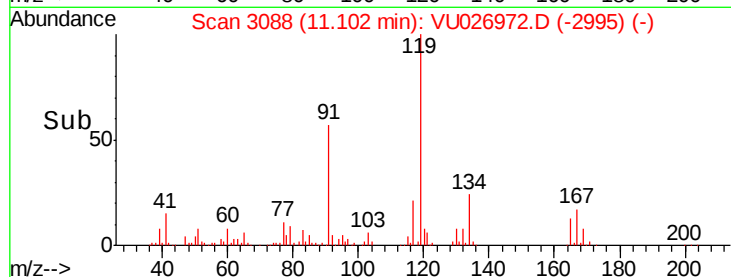
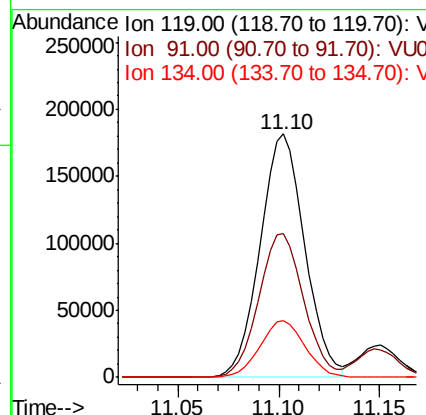
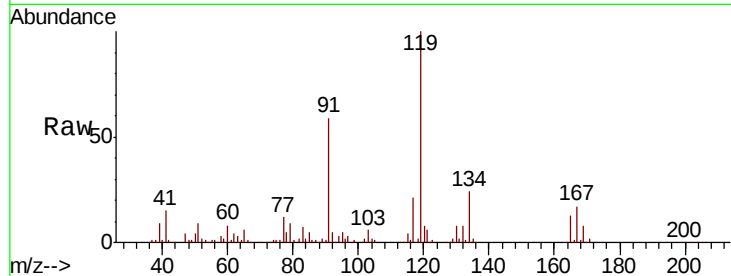
#83
tert-Butylbenzene
Concen: 51.504 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Resp	Lower	Upper
119	100	279926		
91	59.3		29.8	89.4
134	23.4		11.5	34.4

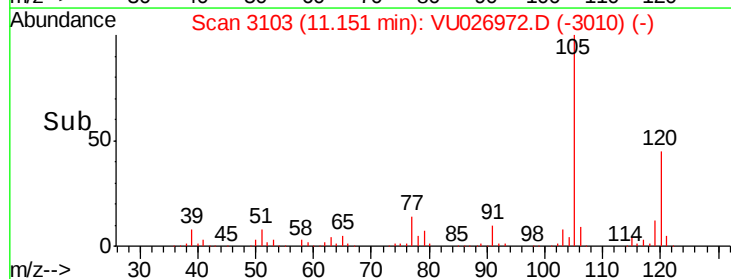
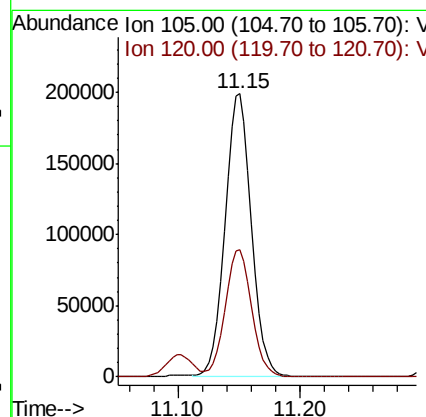
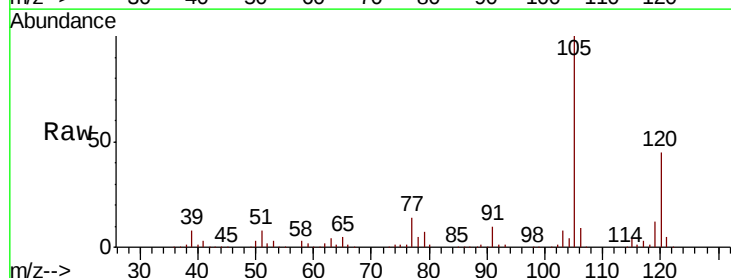
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#84
1,2,4-Trimethylbenzene
Concen: 53.822 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	301111		
120	45.3		22.4	67.2





#85

sec-Butylbenzene

Concen: 54.388 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

ClientSampleId :

ICVVU092218

Tot Ion:105 Resp: 360839

Ion Ratio Lower Upper

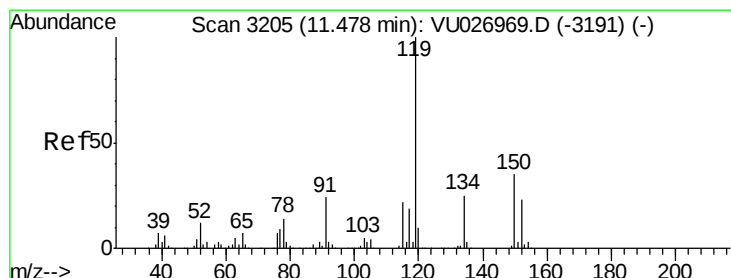
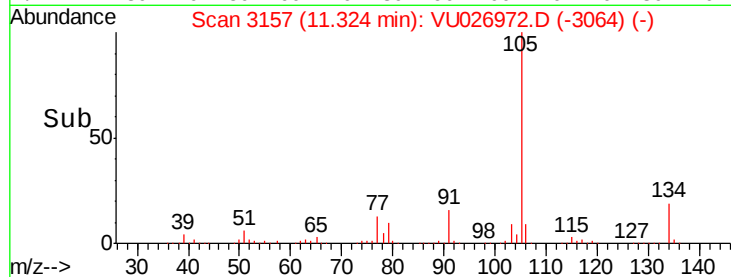
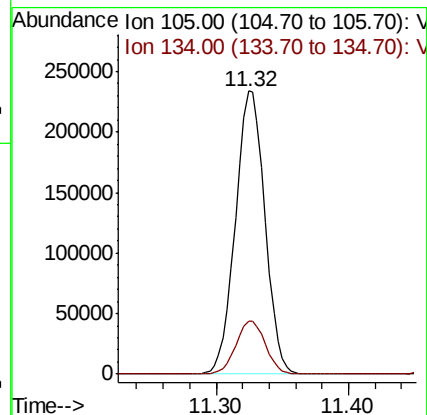
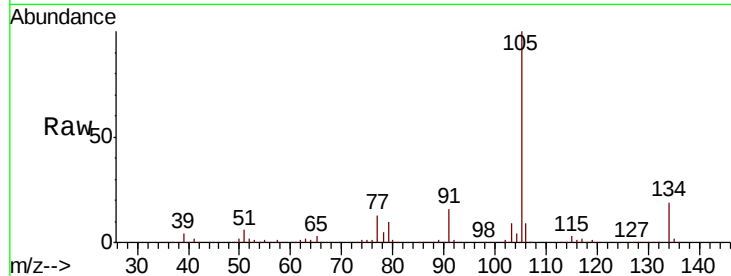
105 100

134 18.8 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 49.949 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

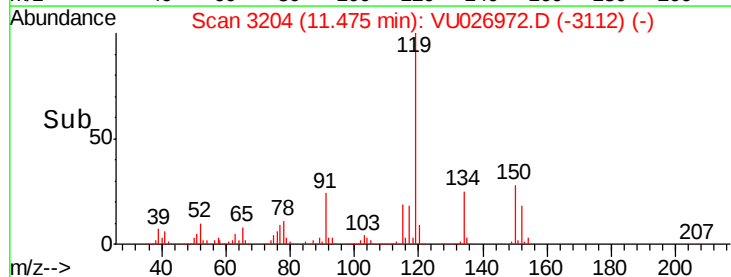
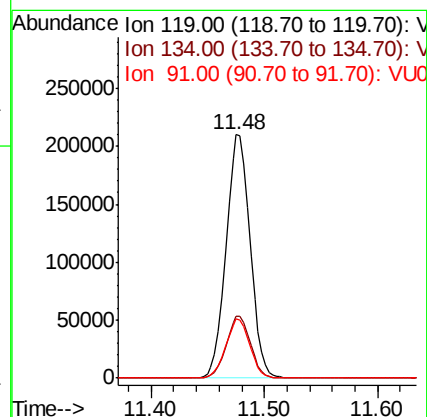
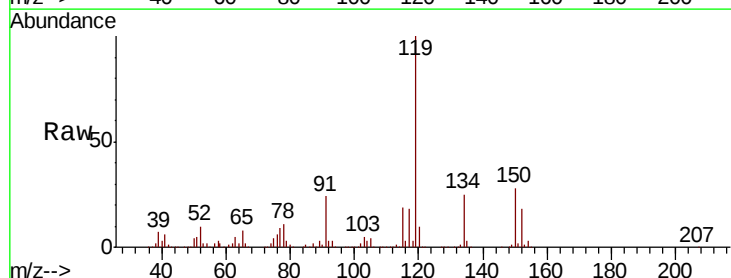
Tgt Ion:119 Resp: 310944

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.3

91 24.3 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 49.493 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Instrument :

MSVOA_U

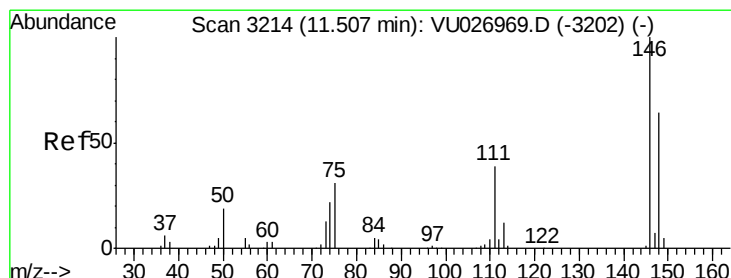
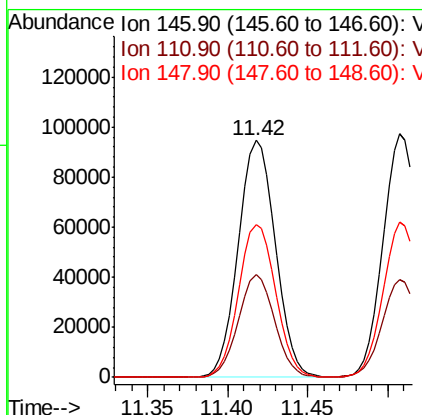
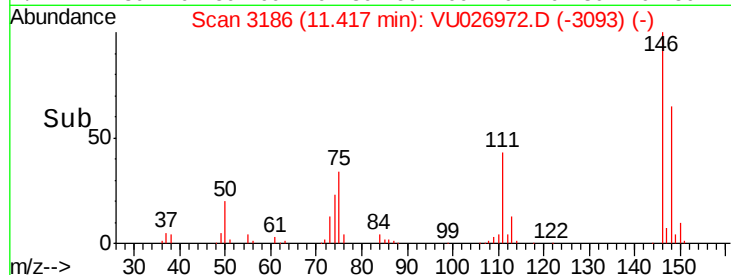
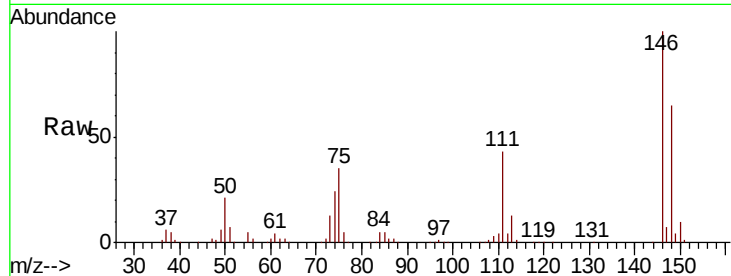
ClientSampleId :

ICVVU092218

Tot Ion:	146	Resp:	149883
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.8	62.2
148	64.4	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 46.715 ug/l

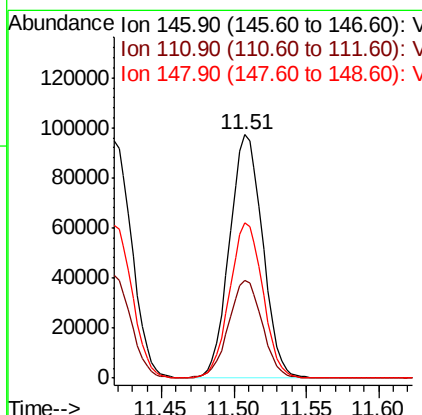
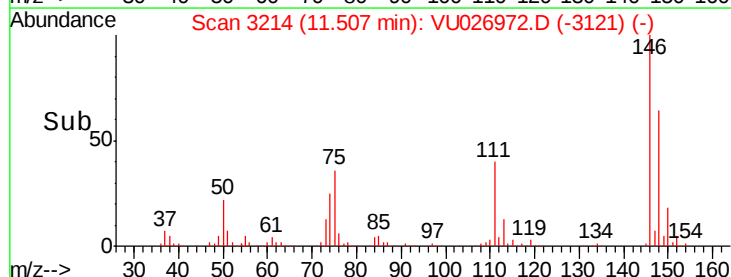
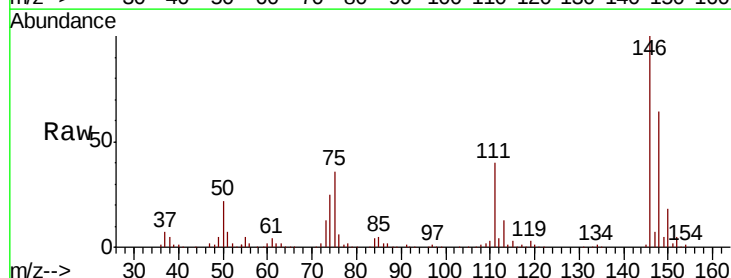
RT: 11.51 min Scan# 3214

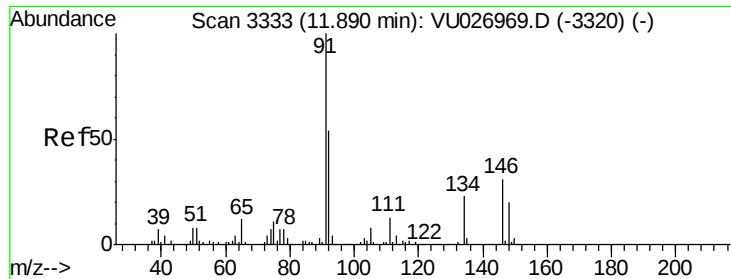
Delta R.T. 0.00 min

Lab File: VU026972.D

Acq: 21 Sep 2018 17:04

Tgt Ion:	146	Resp:	154187
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.3	60.9
148	63.9	31.9	95.9





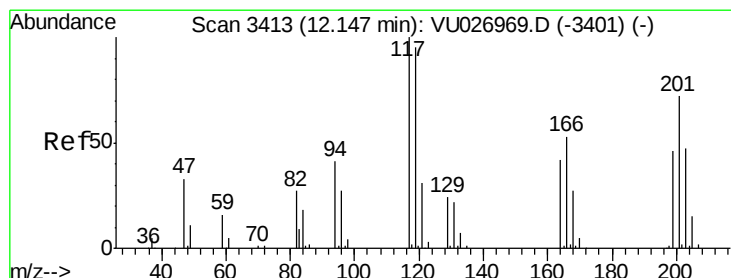
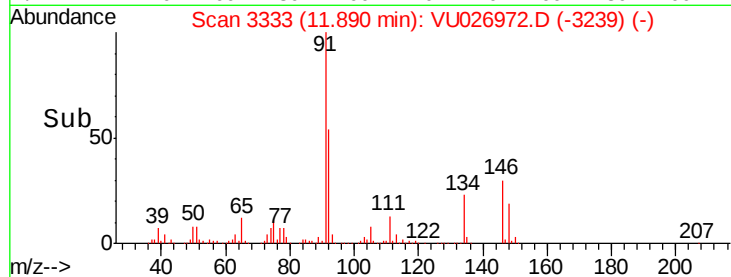
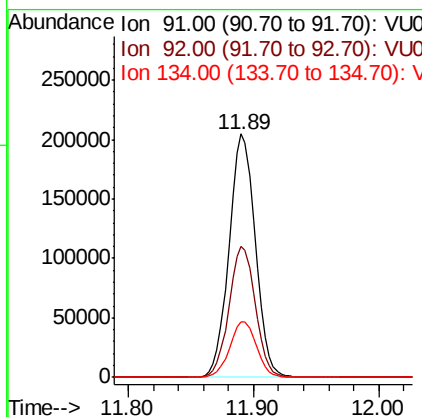
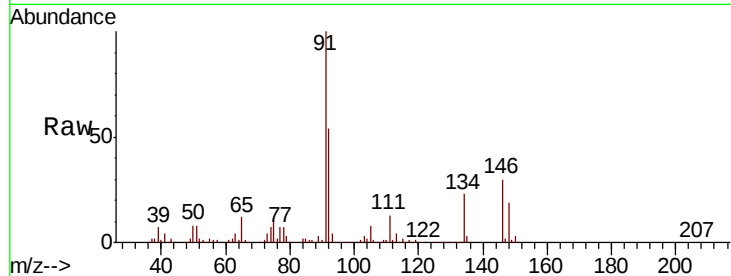
#89
n-Butylbenzene
Concen: 49.292 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

Tot Ion	Ratio	Resp	Lower	Upper
91	100	297251		
92	53.9		27.1	81.2
134	23.3		11.7	35.0

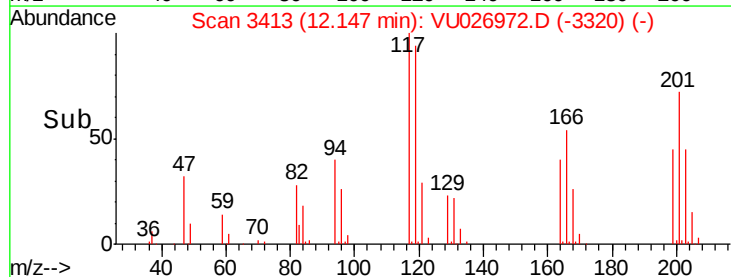
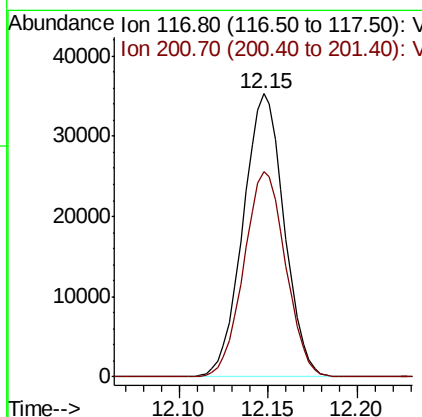
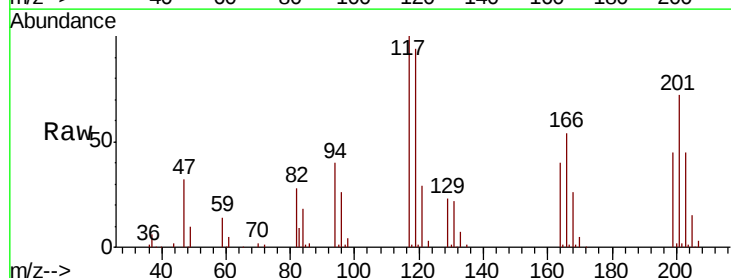
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#90
Hexachloroethane
Concen: 47.041 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	56753		
201	73.6		36.8	110.3





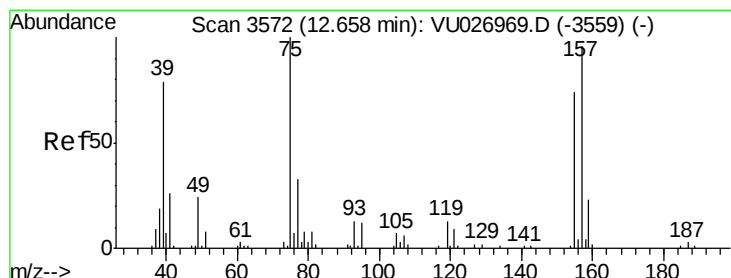
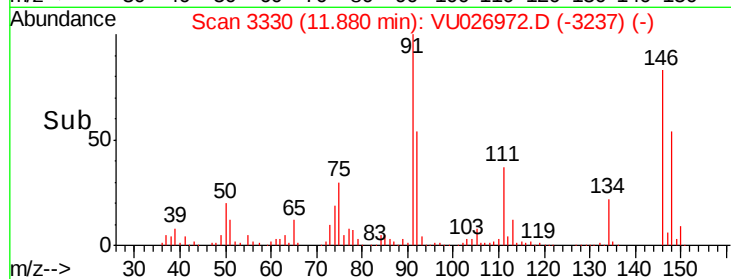
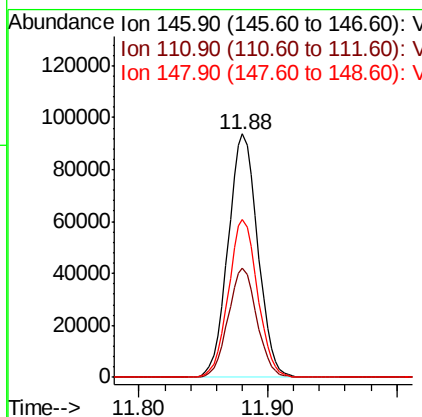
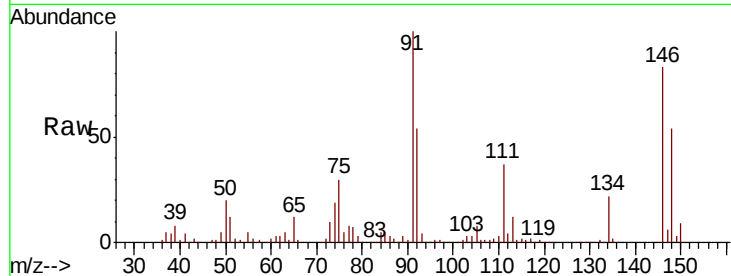
#91
 1,2-Dichlorobenzene
 Concen: 46.423 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149338		
111	43.4	21.8	65.3	
148	63.8	31.9	95.7	

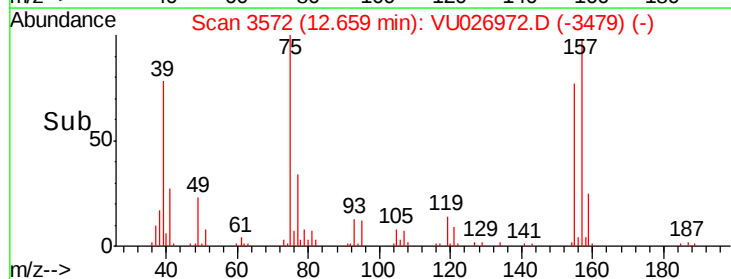
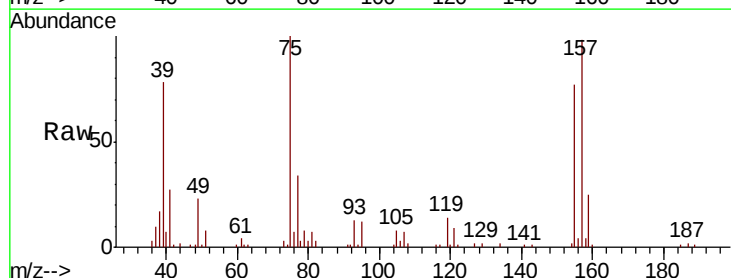
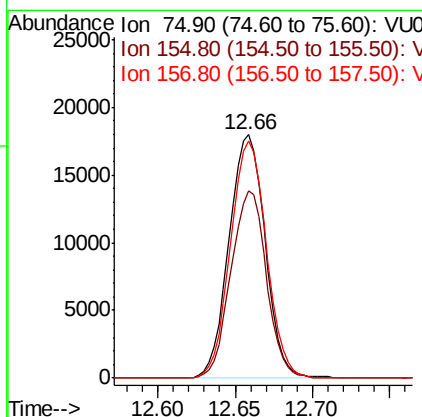
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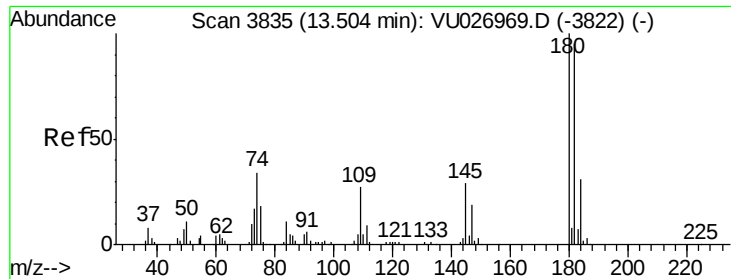
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.638 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29132		
155	75.5	36.6	109.8	
157	96.8	47.4	142.2	





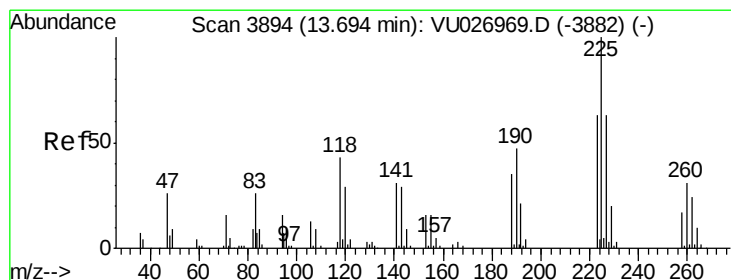
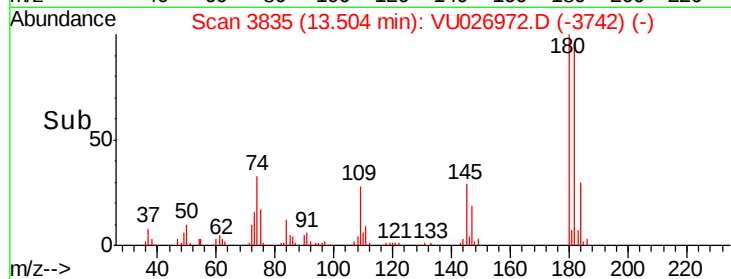
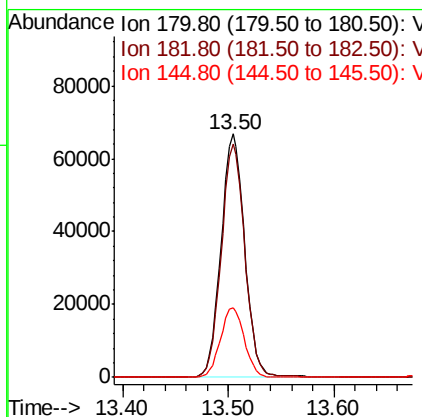
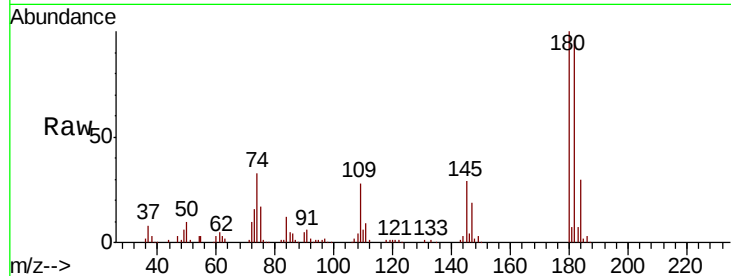
#93
 1,2,4-Trichlorobenzene
 Concen: 55.923 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092218

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103669		
182	95.5	47.4	142.2	
145	29.0	14.9	44.5	

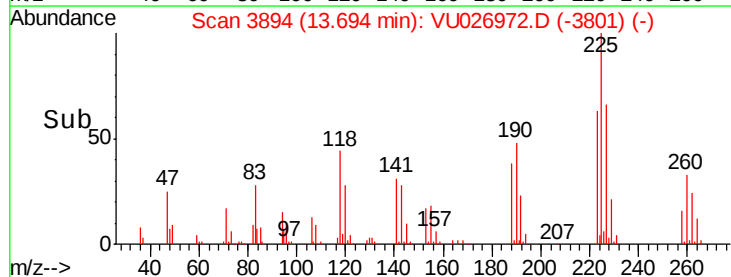
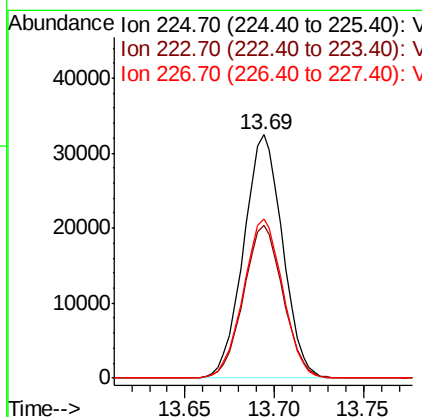
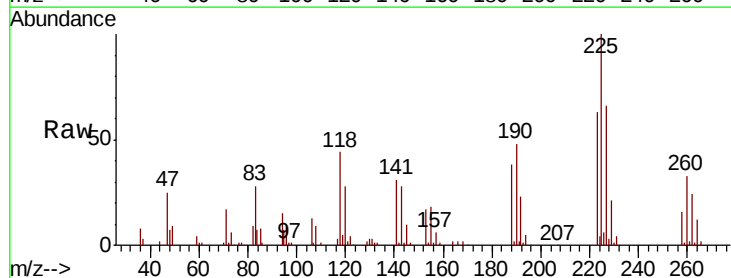
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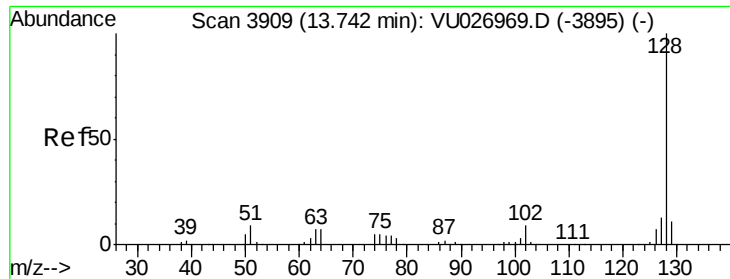
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#94
 Hexachlorobutadiene
 Concen: 50.602 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026972.D
 Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49634		
223	63.6	31.9	95.7	
227	66.2	32.1	96.5	





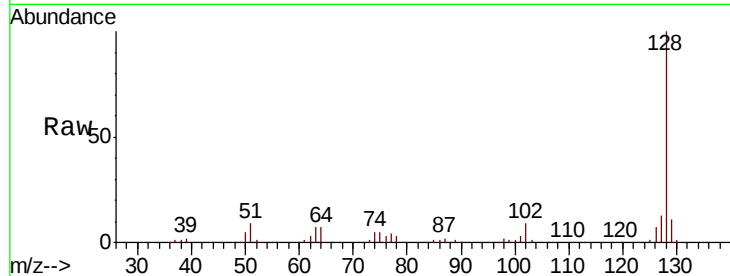
#95
Naphthalene
Concen: 49.069 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Instrument :
MSVOA_U
ClientSampleId :
ICVVU092218

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

Manual Integrations
APPROVED

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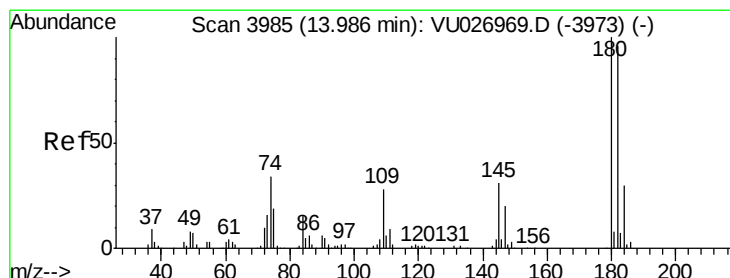
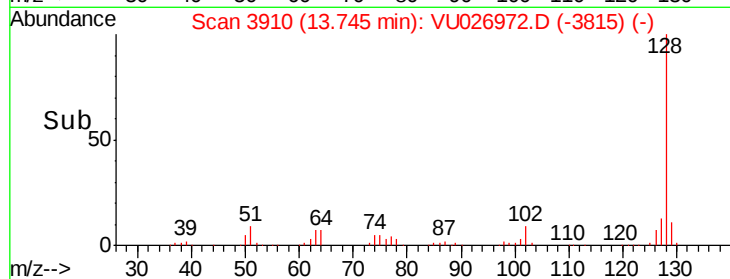
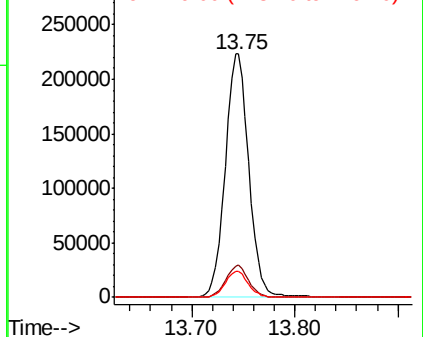


Abundance

Ion 128.00 (127.70 to 128.70): V

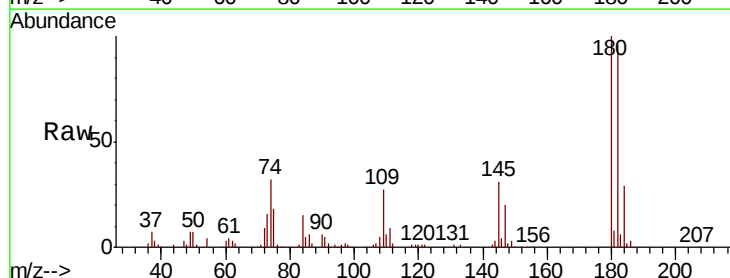
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.247 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026972.D
Acq: 21 Sep 2018 17:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	31.0	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

