

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027286.D
 Acq On : 28 Sep 2018 21:41
 Operator : MD/SY
 Sample : VU0928WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:22 PM

Quant Time: Sep 29 01:22:01 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	98593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	86328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86593	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	4.88	113	65135	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
50) Toluene-d8	7.57	98	239128	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	
62) 4-Bromofluorobenzene	10.31	95	88714	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	27442	21.318	ug/l	97
3) Chloromethane	1.33	50	39391	17.749	ug/l	99
4) Vinyl Chloride	1.40	62	42167	20.354	ug/l	100
5) Bromomethane	1.62	94	17945	15.211	ug/l	98
6) Chloroethane	1.70	64	25861	19.537	ug/l	99
7) Trichlorofluoromethane	1.89	101	46804	19.892	ug/l	99
8) Diethyl Ether	2.10	74	23650	20.882	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	28634	19.792	ug/l	97
10) Methyl Iodide	2.41	142	8781	4.894	ug/l	98
11) Tert butyl alcohol	2.83	59	43062	94.678	ug/l	99
12) 1,1-Dichloroethene	2.28	96	26983	19.815	ug/l	99
13) Acrolein	2.20	56	11158	45.509	ug/l	96
14) Allyl chloride	2.59	41	61241	22.174	ug/l	94
15) Acrylonitrile	2.94	53	115882	101.089	ug/l	98
16) Acetone	2.32	43	101717	85.589	ug/l	98
17) Carbon Disulfide	2.48	76	90870	20.485	ug/l	98
18) Methyl Acetate	2.62	43	65323	23.128	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	113414	22.665	ug/l	97
20) Methylene Chloride	2.70	84	35428	19.935	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	31211	21.468	ug/l	98
22) Diisopropyl ether	3.58	45	133887	22.664	ug/l	98
23) Vinyl Acetate	3.53	43	560021	111.212	ug/l	99
24) 1,1-Dichloroethane	3.45	63	69650	21.407	ug/l	100
25) 2-Butanone	4.26	43	163899	98.283	ug/l	99
26) 2,2-Dichloropropane	4.23	77	50992	20.096	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	36385	22.161	ug/l	98
28) Bromochloromethane	4.55	49	28690	18.293	ug/l	99
29) Tetrahydrofuran	4.64	42	107804	106.864	ug/l	100
30) Chloroform	4.68	83	62486	20.690	ug/l	99
31) Cyclohexane	5.00	56	66399	22.130	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	51899	21.523	ug/l	97
36) 1,1-Dichloropropene	5.14	75	46493	20.787	ug/l	98
37) Ethyl Acetate	4.38	43	59824	19.758	ug/l	99
38) Carbon Tetrachloride	5.14	117	43893	20.622	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	54390	22.377	ug/l	99
40) Benzene	5.39	78	144136	21.198	ug/l	99
41) Methacrylonitrile	4.55	41	34531	21.959	ug/l	99
42) 1,2-Dichloroethane	5.41	62	52756	20.536	ug/l	99
43) Isopropyl Acetate	5.55	43	93545	21.184	ug/l	99
44) Trichloroethene	6.19	130	31738	21.926	ug/l	99
45) 1,2-Dichloropropane	6.43	63	41226	21.279	ug/l	98
46) Dibromomethane	6.56	93	23991	20.504	ug/l	98
47) Bromodichloromethane	6.76	83	47866	20.231	ug/l	98
48) Methyl methacrylate	6.62	41	47363	20.320	ug/l	96
49) 1,4-Dioxane	6.61	88	16541	345.417	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	318694	107.309	ug/l	99
52) Toluene	7.64	92	86255	22.131	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	55469	21.821	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	60147	21.519	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	34662	20.989	ug/l	99
56) Ethyl methacrylate	8.02	69	57206	21.282	ug/l	98
57) 1,3-Dichloropropane	8.24	76	65482	21.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	127992	82.038	ug/l	99
59) 2-Hexanone	8.36	43	236184	101.596	ug/l	99
60) Dibromochloromethane	8.48	129	34284	21.164	ug/l	99
61) 1,2-Dibromoethane	8.59	107	36585	21.292	ug/l	100
64) Tetrachloroethene	8.23	164	27441	22.093	ug/l	99
65) Chlorobenzene	9.12	112	89451	20.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	31833	21.624	ug/l	99
67) Ethyl Benzene	9.25	91	158767	22.591	ug/l	100
68) m/p-Xylenes	9.38	106	120213	43.102	ug/l	99
69) o-Xylene	9.78	106	58160	23.356	ug/l	98
70) Styrene	9.79	104	92838	21.055	ug/l	99
71) Bromoform	9.96	173	24585	21.596	ug/l #	100
73) Isopropylbenzene	10.17	105	155676	23.706	ug/l	99
74) N-amyl acetate	10.01	43	82860	21.798	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	59523	19.714	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	52301m	19.942	ug/l	
77) Bromobenzene	10.45	156	36083	22.485	ug/l	99
78) n-propylbenzene	10.59	91	180693	23.255	ug/l	100
79) 2-Chlorotoluene	10.66	91	108437	22.218	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	126341	23.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	16773m	20.467	ug/l	
82) 4-Chlorotoluene	10.77	91	122972	22.471	ug/l	100
83) tert-Butylbenzene	11.10	119	121614	22.692	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	129659	23.503	ug/l	99
85) sec-Butylbenzene	11.32	105	152187	23.263	ug/l	100
86) p-Isopropyltoluene	11.48	119	128726	21.508	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	64554	21.617	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	65944	20.262	ug/l	99
89) n-Butylbenzene	11.89	91	112151	20.337	ug/l	100
90) Hexachloroethane	12.15	117	22759	19.131	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	65910	20.778	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12367	20.078	ug/l	97

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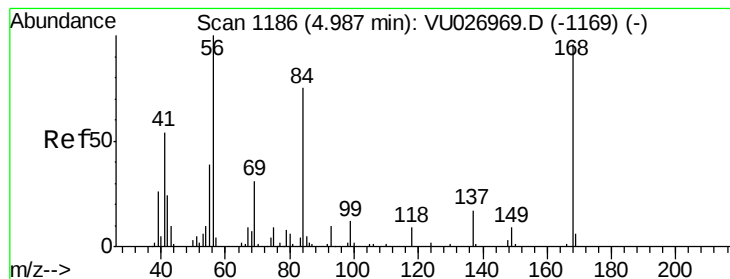
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	40704	22.267	ug/l	98
94) Hexachlorobutadiene	13.69	225	19815	20.487	ug/l	97
95) Naphthalene	13.74	128	140997	20.750	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	42417	21.638	ug/l	98

(#) = 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: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion:168 Resp: 98593

Ion Ratio Lower Upper

168 100

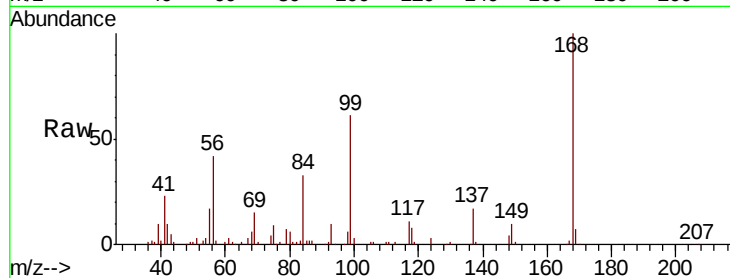
99 60.3 48.1 72.1

Manual Integrations

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

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

4.98

50000

40000

30000

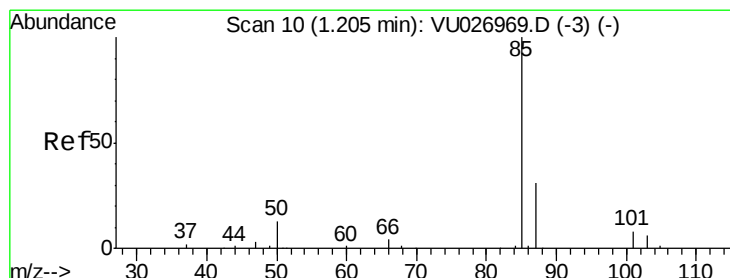
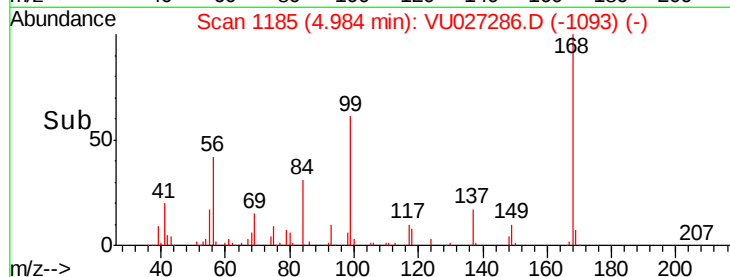
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.318 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027286.D

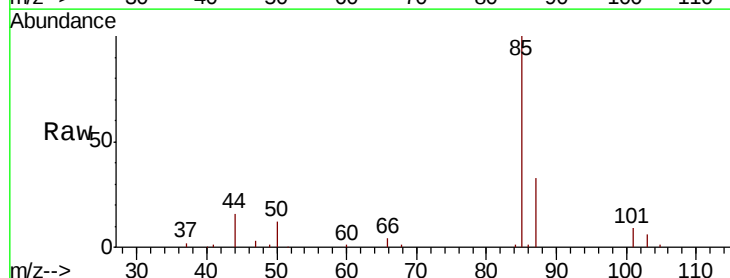
Acq: 28 Sep 2018 21:41

Tgt Ion: 85 Resp: 27442

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.7



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

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

1.21

30000

25000

20000

15000

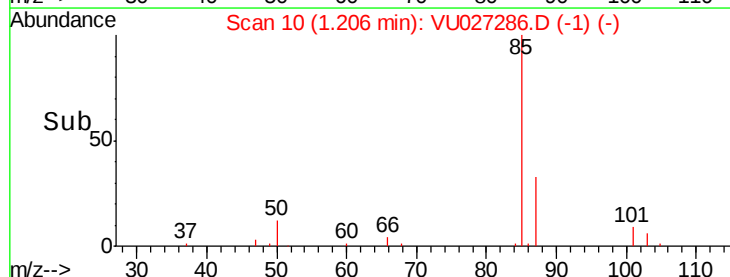
10000

5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.749 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 50 Resp: 39391

Ion Ratio Lower Upper

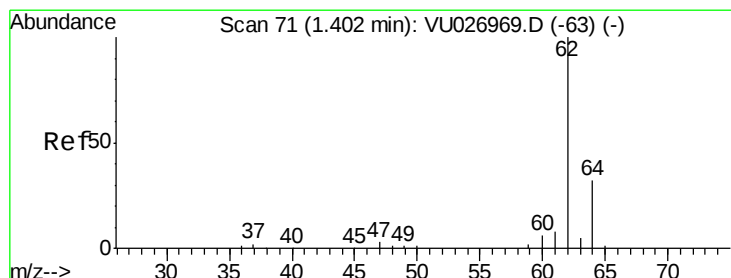
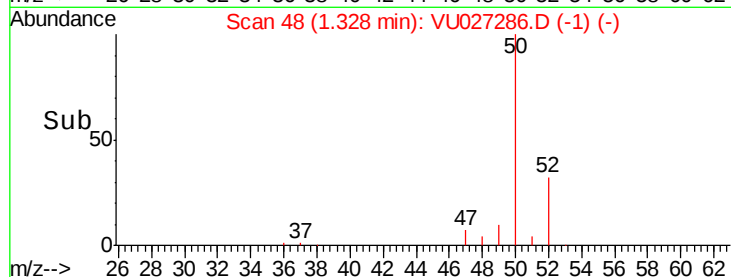
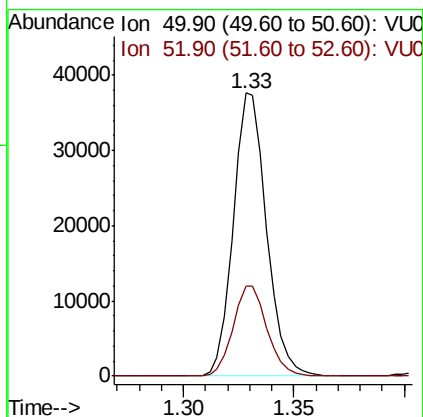
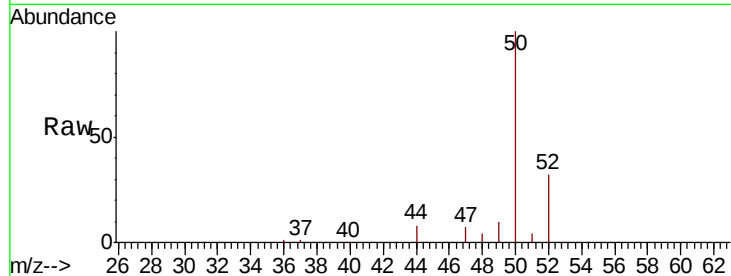
50 100

52 32.0 25.9 38.9

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#4

Vinyl Chloride

Concen: 20.354 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027286.D

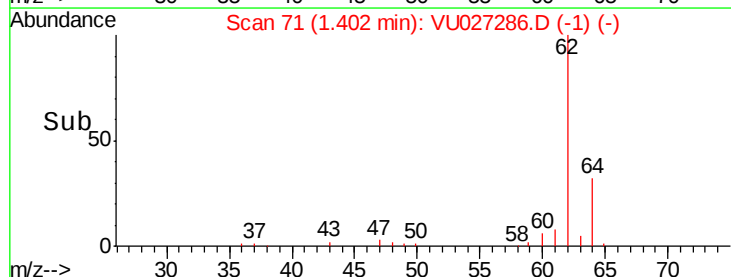
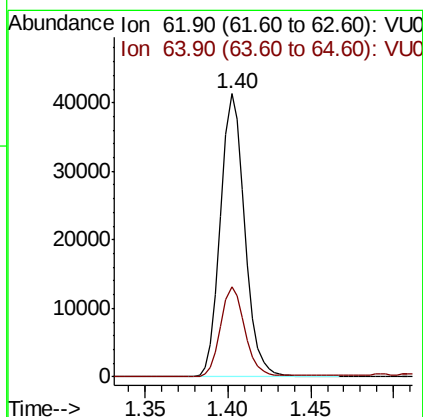
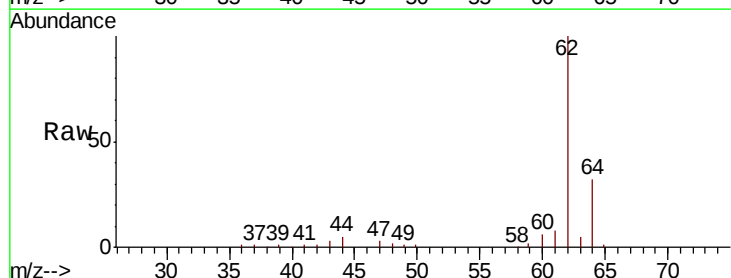
Acq: 28 Sep 2018 21:41

Tgt Ion: 62 Resp: 42167

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 15.211 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 94 Resp: 17945

Ion Ratio Lower Upper

94 100

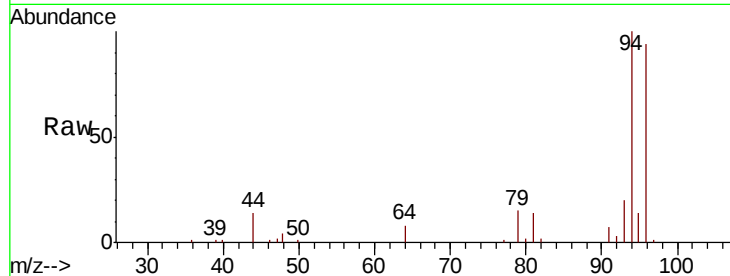
96 93.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

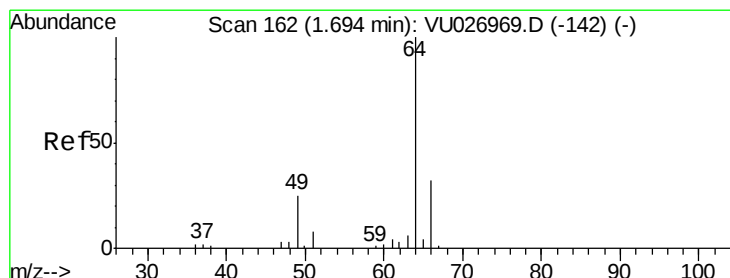
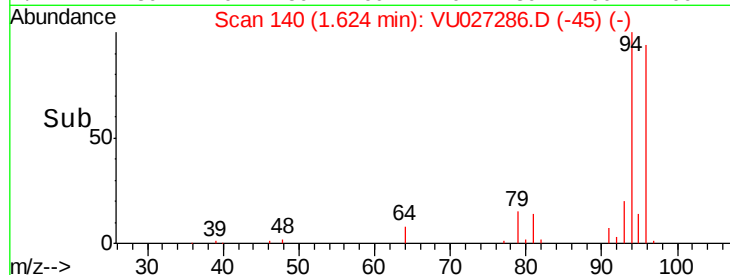
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.537 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027286.D

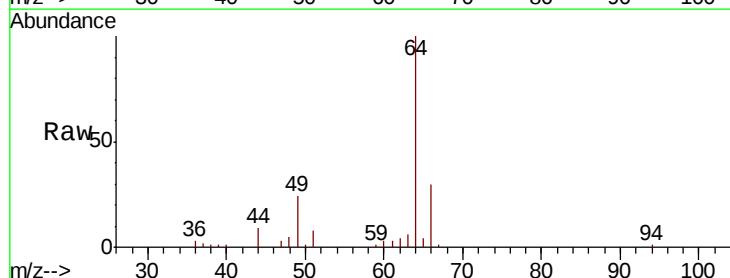
Acq: 28 Sep 2018 21:41

Tgt Ion: 64 Resp: 25861

Ion Ratio Lower Upper

64 100

66 31.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

20000

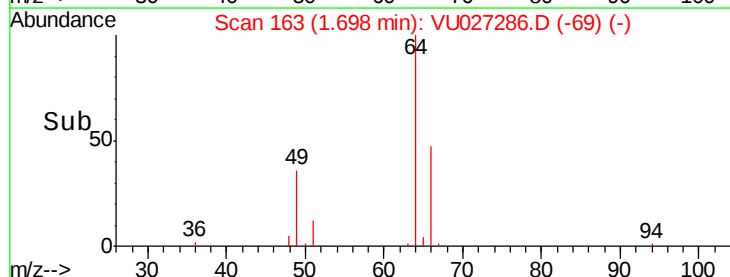
15000

10000

5000

0

Time-->





#7

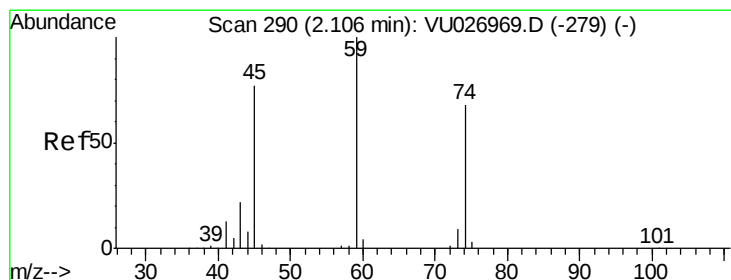
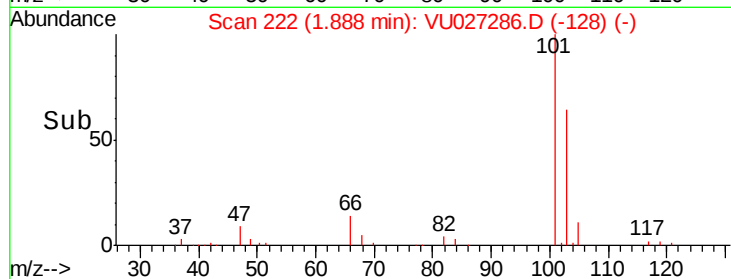
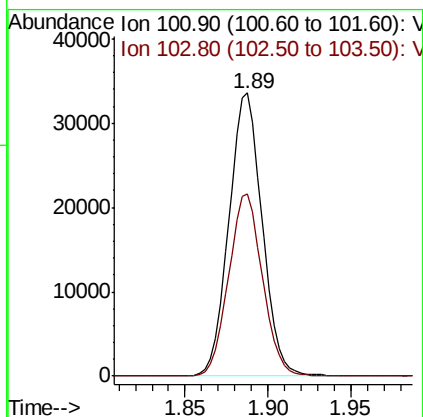
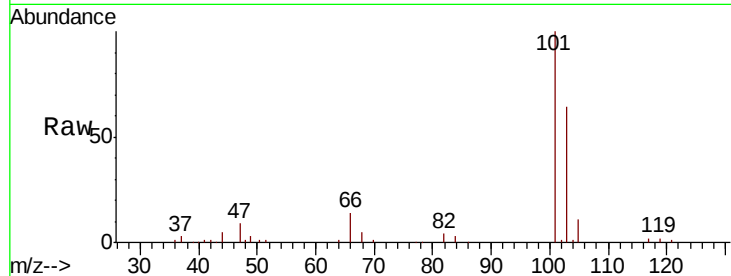
Trichlorofluoromethane
Concen: 19.892 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

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Tot Ion:101 Resp: 46804
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

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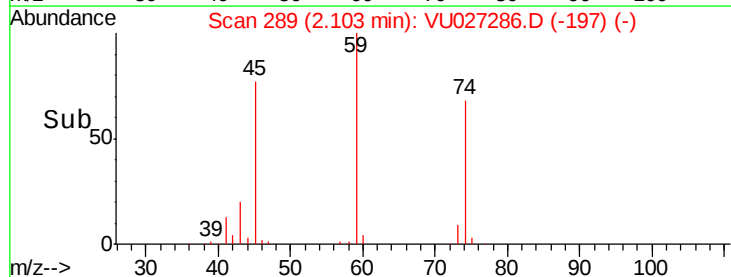
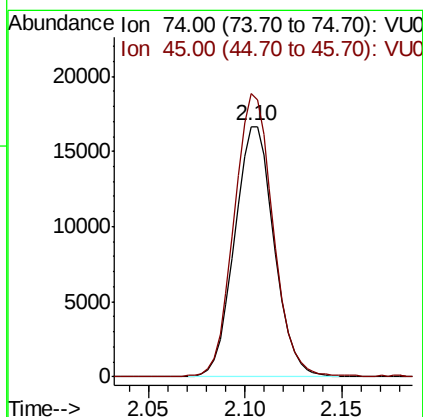
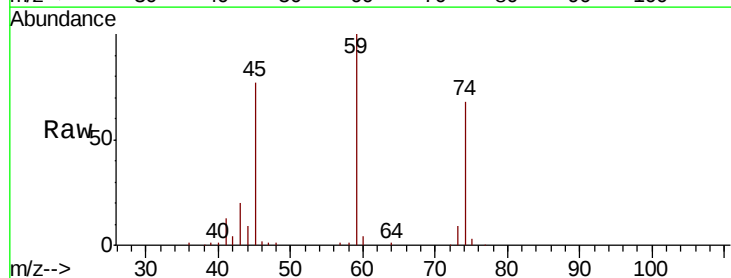
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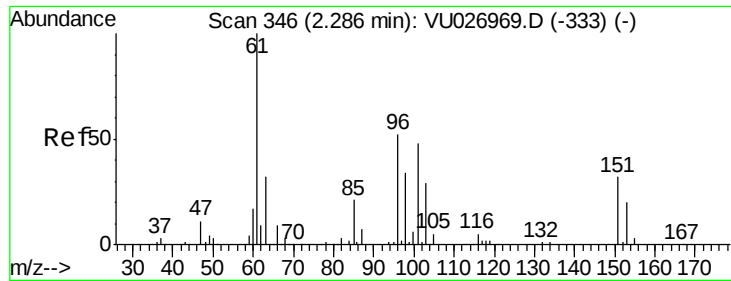


#8

Diethyl Ether
Concen: 20.882 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 74 Resp: 23650
Ion Ratio Lower Upper
74 100
45 111.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.792 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

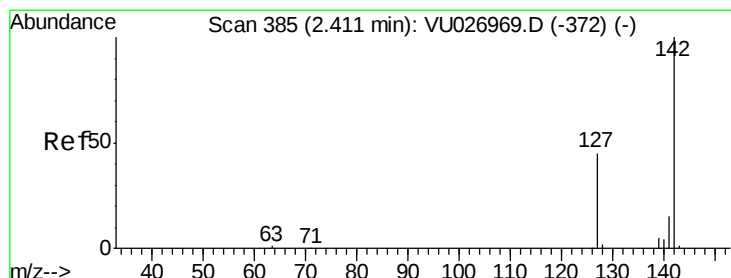
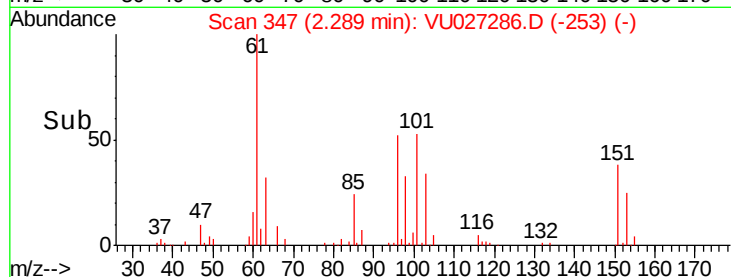
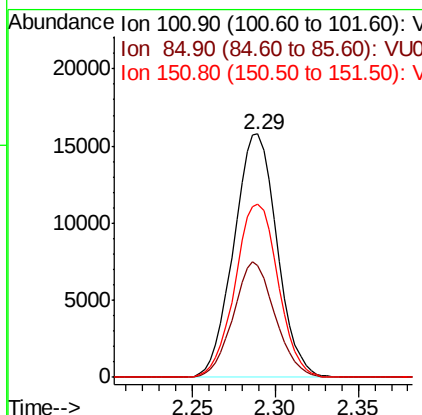
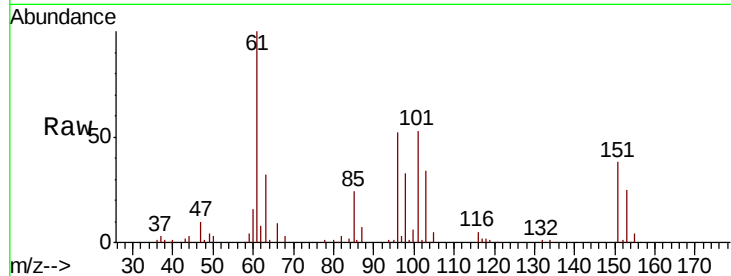
ClientSampleId :

VU0928WBS03

Tot Ion:	101	Resp:	28634
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.2
151	71.1	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 4.894 ug/l

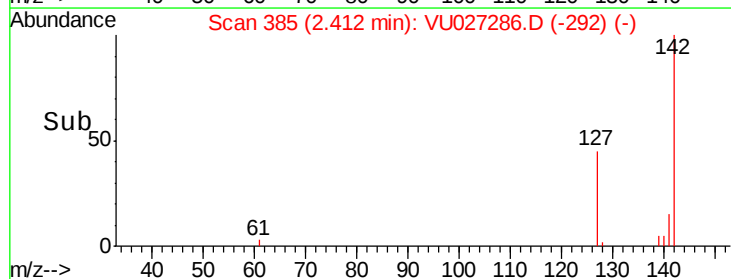
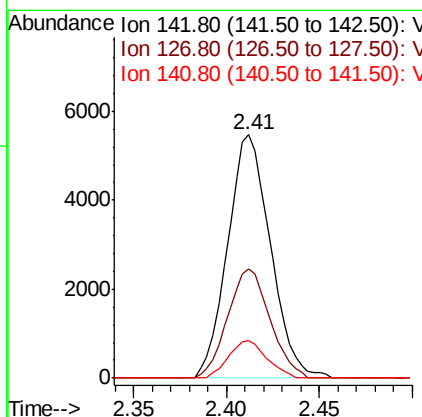
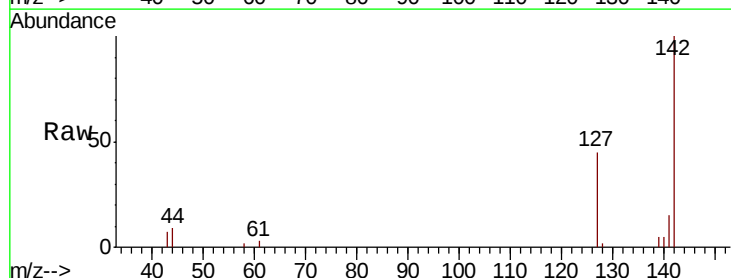
RT: 2.41 min Scan# 385

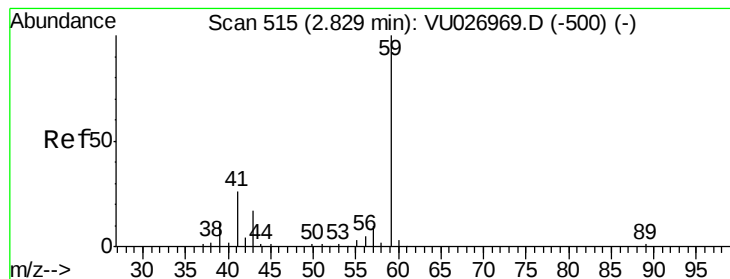
Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion:	142	Resp:	8781
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.7	55.1
141	13.8	11.8	17.6





#11

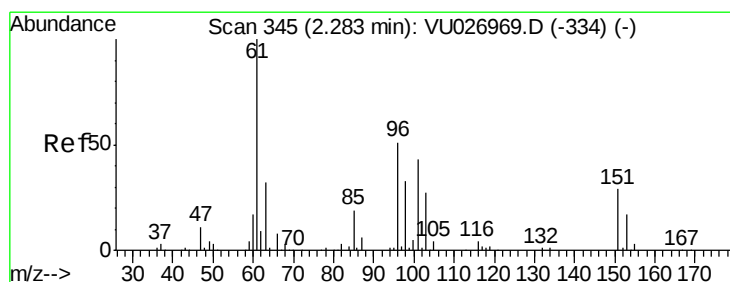
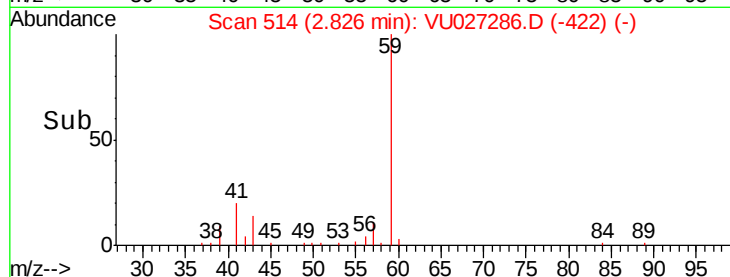
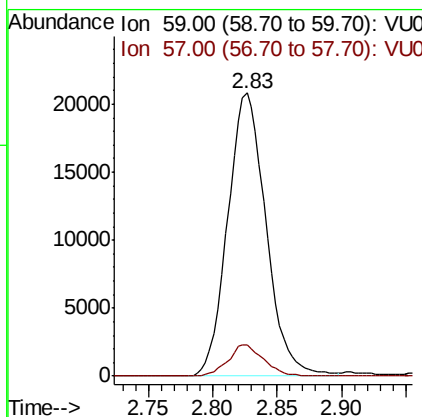
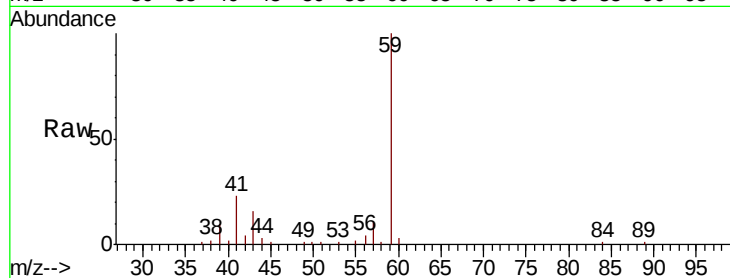
Tert butyl alcohol
 Concen: 94.678 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	59.00	Resp	43062
Ion Ratio	100	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
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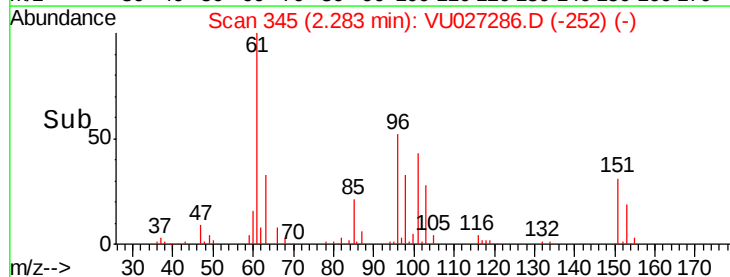
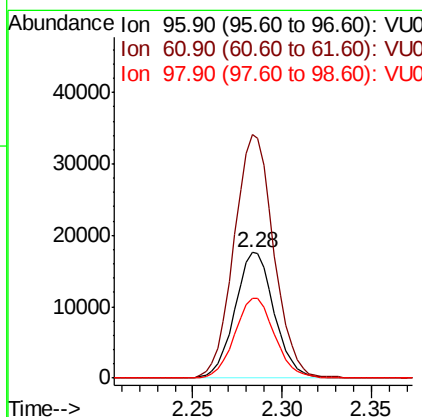
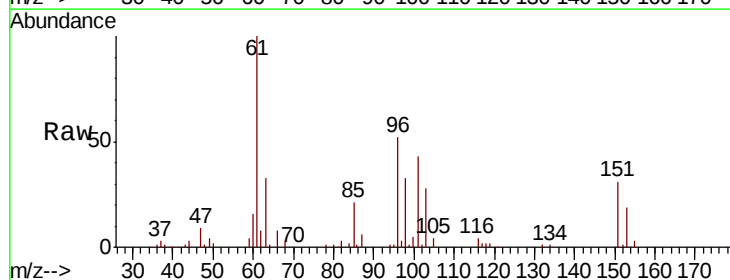
MMDadoda
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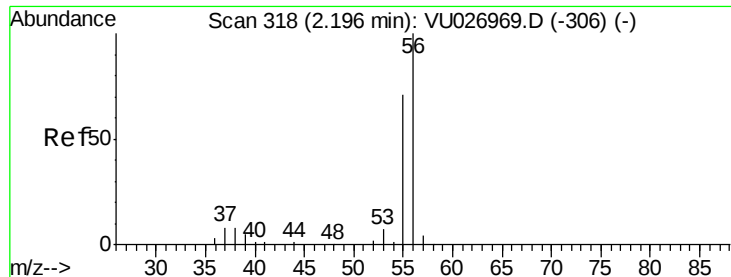


#12

1,1-Dichloroethene
 Concen: 19.815 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	96	Resp	26983
Ion Ratio	100	Lower	Upper
96	100		
61	193.5	156.1	234.1
98	63.5	51.4	77.0





#13

Acrolein

Concen: 45.509 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 56 Resp: 11158

Ion Ratio Lower Upper

56 100

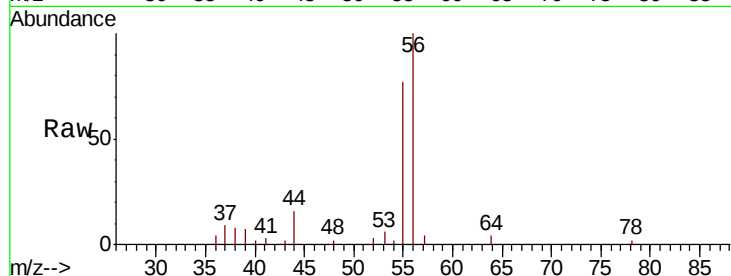
55 74.6 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU027286.D (-225) (-)

Ion 55.00 (54.70 to 55.70): VU027286.D (-225) (-)

2.20

8000

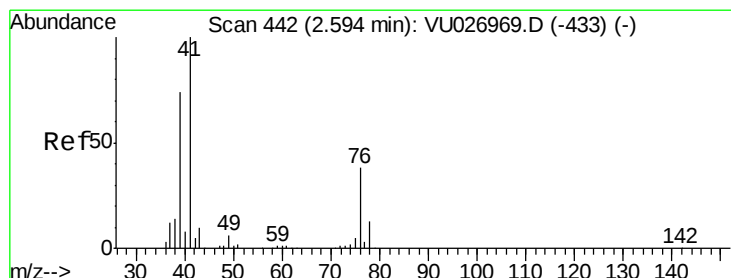
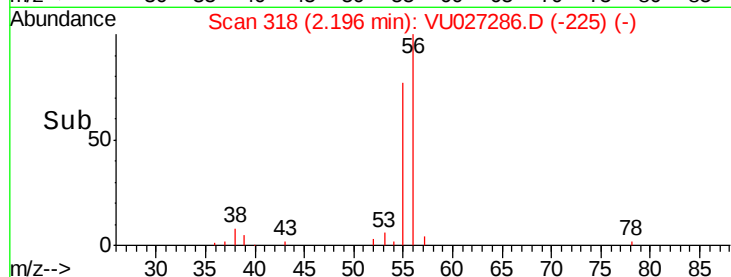
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 22.174 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

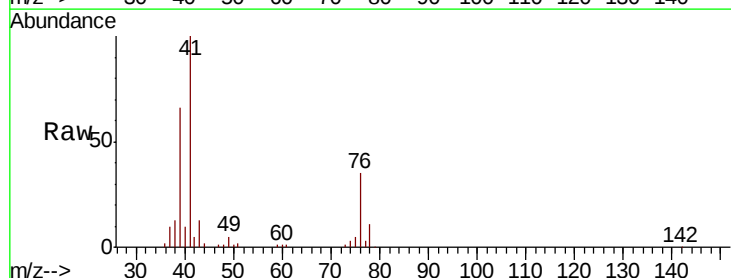
Tgt Ion: 41 Resp: 61241

Ion Ratio Lower Upper

41 100

39 62.8 55.7 83.5

76 33.8 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU027286.D (-349) (-)

Ion 39.00 (38.70 to 39.70): VU027286.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU027286.D (-349) (-)

2.59

40000

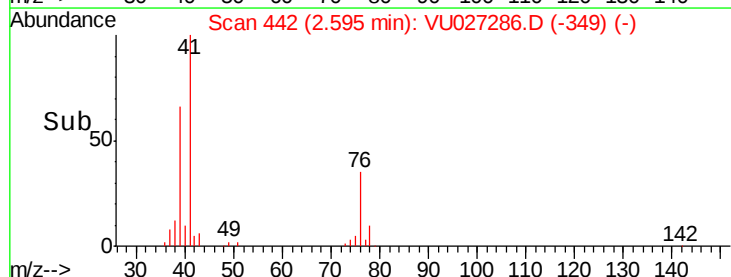
30000

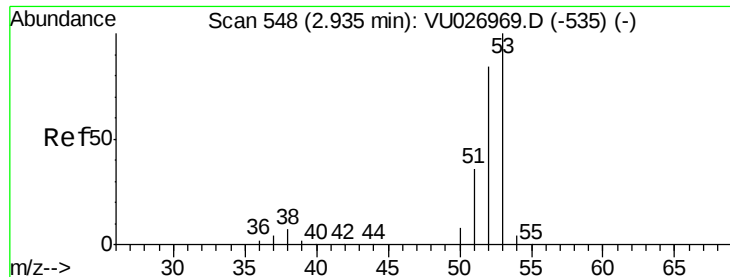
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 101.089 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

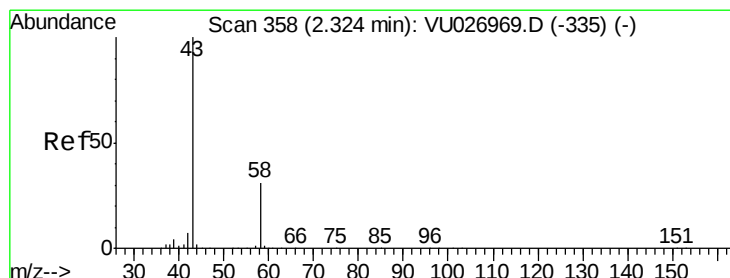
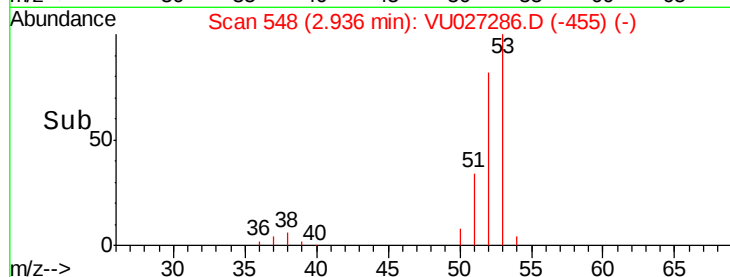
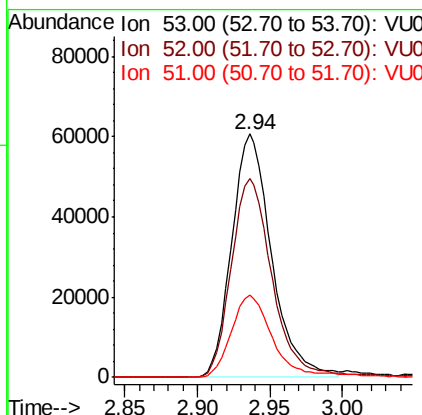
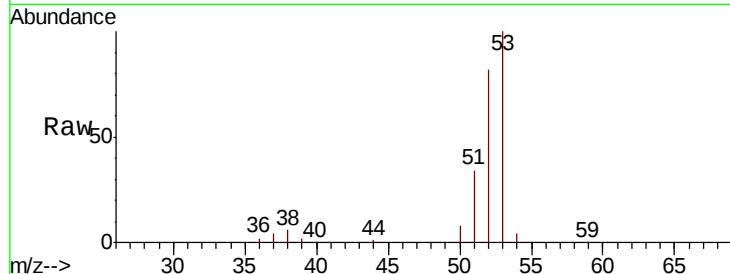
ClientSampleId :

VU0928WBS03

Tot Ion:	53	Resp:	115882
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.7	98.5
51	35.7	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 85.589 ug/l

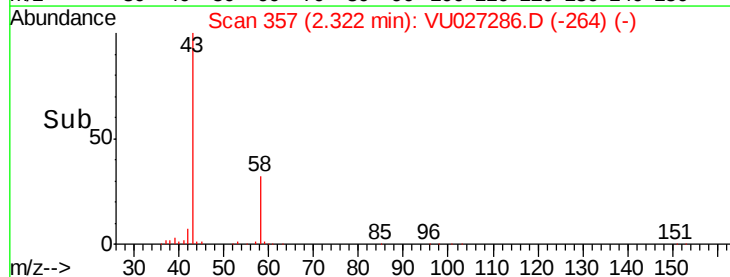
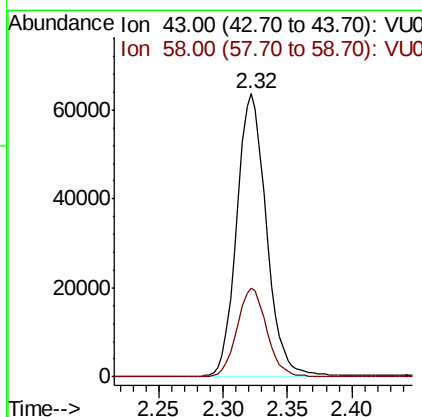
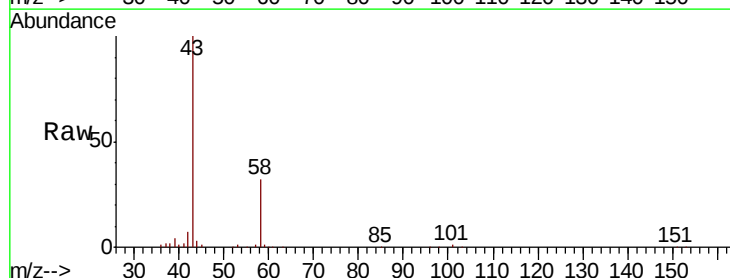
RT: 2.32 min Scan# 357

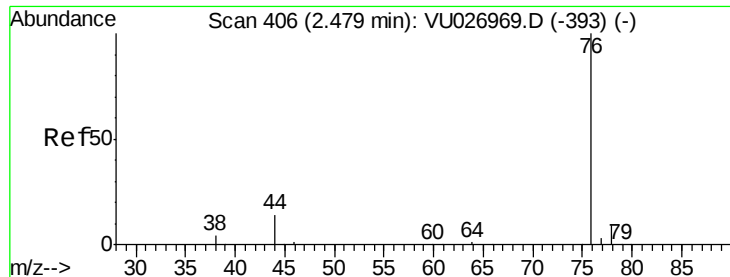
Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion:	43	Resp:	101717
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.6	36.8





#17

Carbon Disulfide

Concen: 20.485 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 76 Resp: 90870

Ion Ratio Lower Upper

76 100

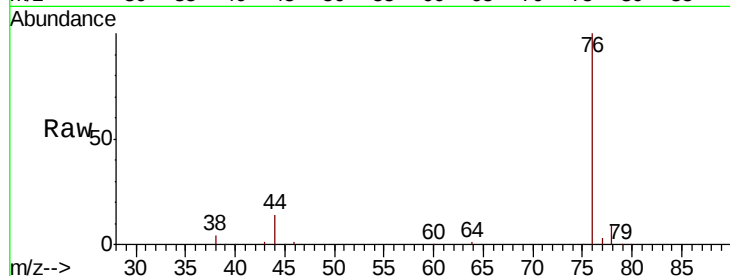
78 9.5 7.1 10.7

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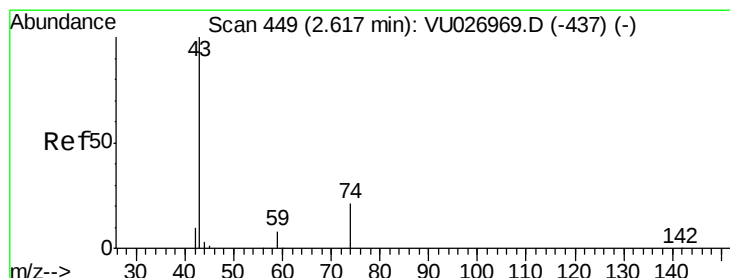
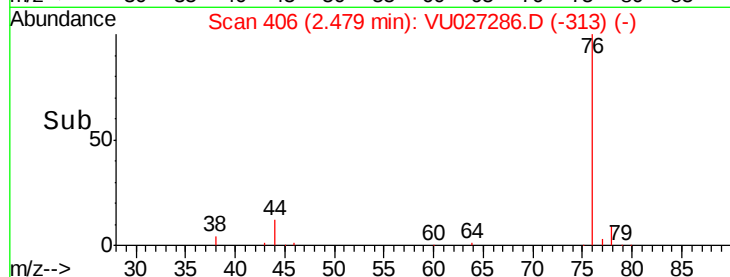
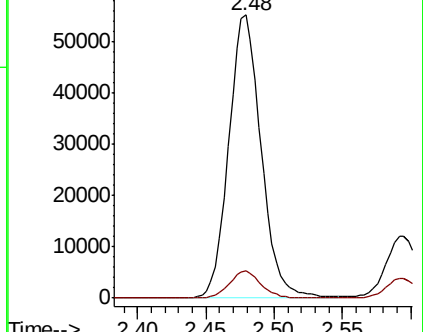
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Abundance Ion 75.90 (75.60 to 76.60): VU027286.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027286.D (-313) (-)



#18

Methyl Acetate

Concen: 23.128 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027286.D

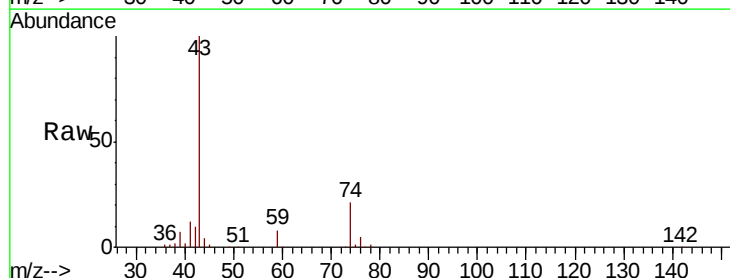
Acq: 28 Sep 2018 21:41

Tgt Ion: 43 Resp: 65323

Ion Ratio Lower Upper

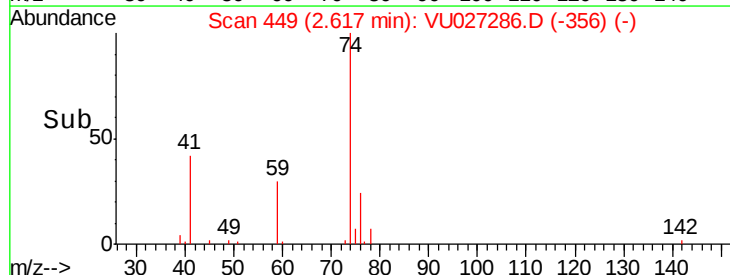
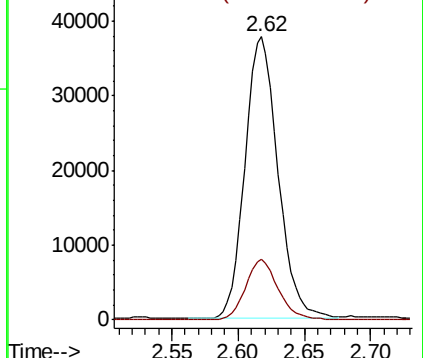
43 100

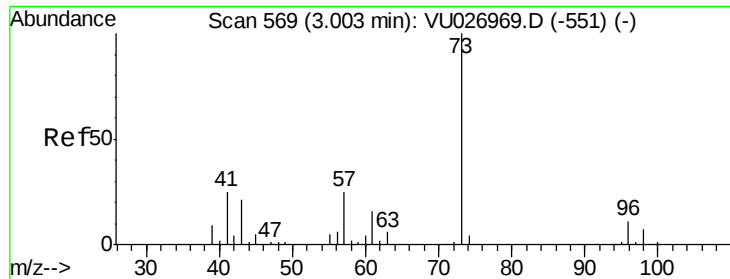
74 21.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027286.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027286.D (-356) (-)





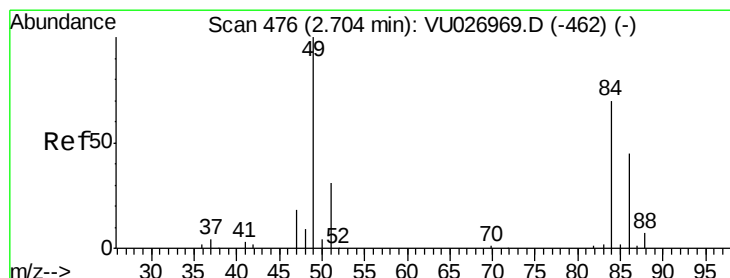
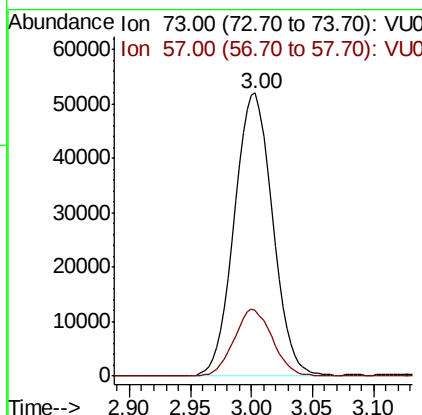
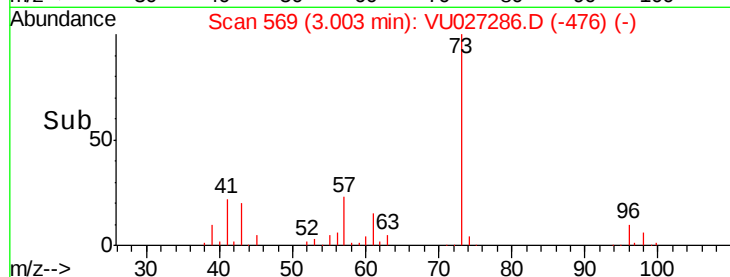
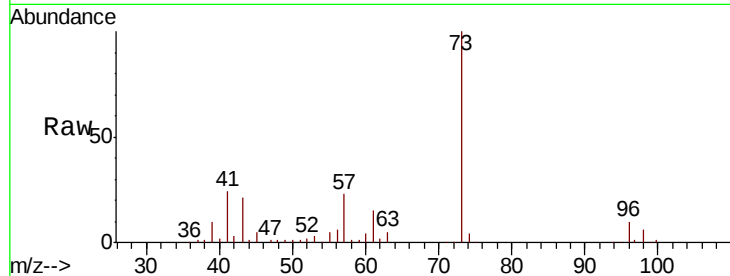
#19
Methvl tert-butvl Ether
Concen: 22.665 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.8	29.6

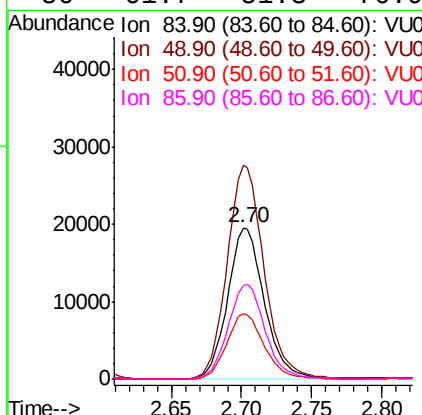
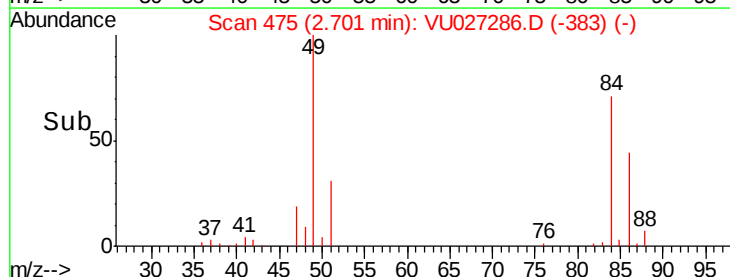
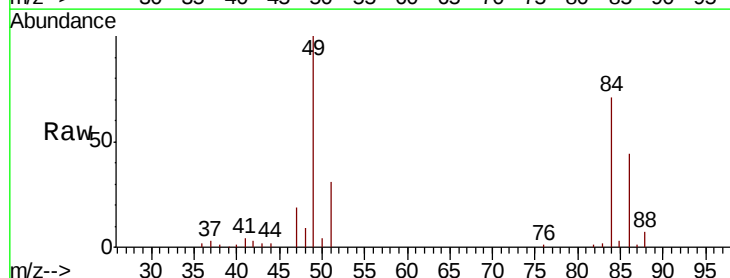
Manual Integrations
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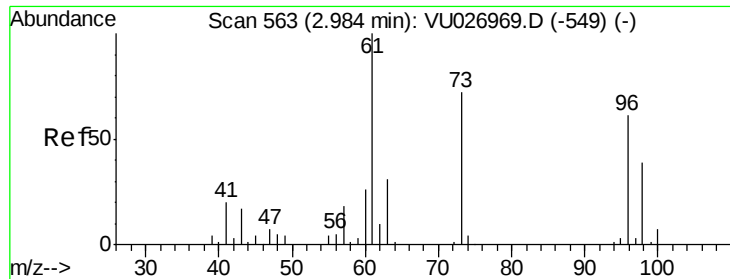
MMDadoda
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#20
Methylene Chloride
Concen: 19.935 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.4	114.9	172.3
51	43.7	35.8	53.8
86	61.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 21.468 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

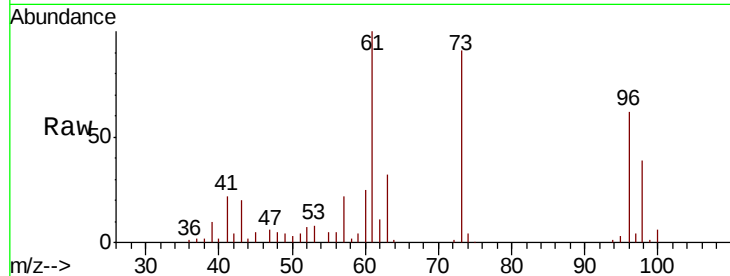
ClientSampleId :

VU0928WBS03

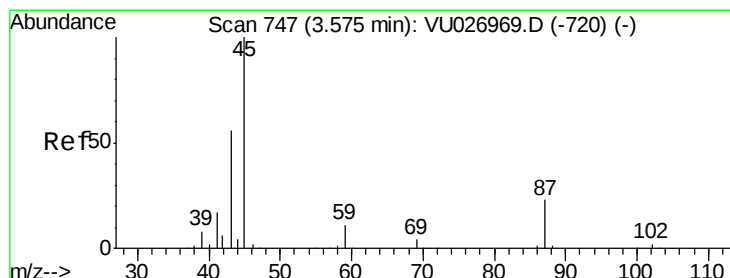
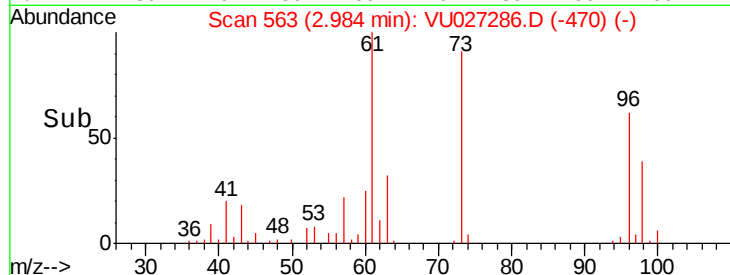
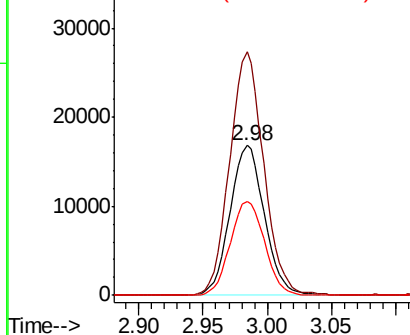
Tot Ion:	96	Resp:	31211
Ion	Ratio	Lower	Upper
96	100		
61	162.3	131.8	197.6
98	62.8	50.9	76.3

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



#22

Diisopropyl ether

Concen: 22.664 ug/l

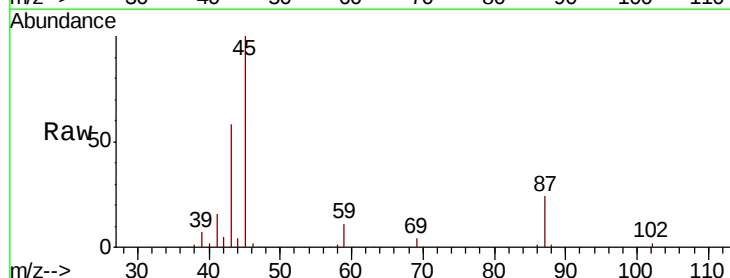
RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

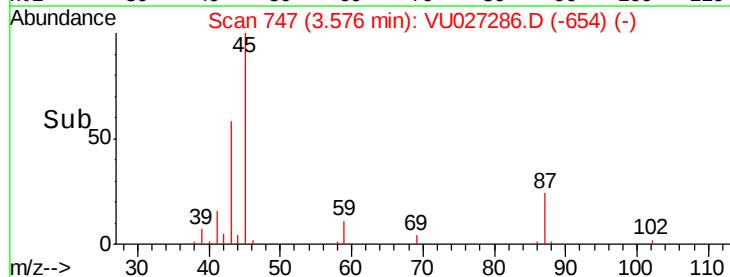
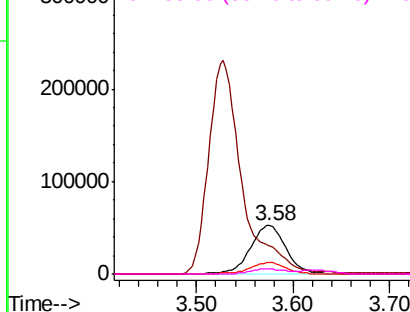
Lab File: VU027286.D

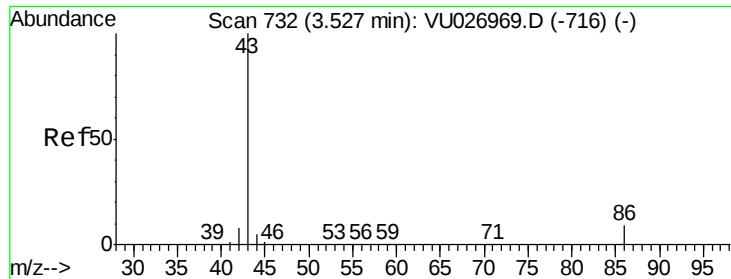
Acq: 28 Sep 2018 21:41

Tgt Ion:	45	Resp:	133887
Ion	Ratio	Lower	Upper
45	100		
43	54.7	45.8	68.6
87	23.5	18.6	28.0
59	11.0	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 111.212 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tot Ion: 43 Resp: 560021

Ion Ratio Lower Upper

43 100

86 8.8 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

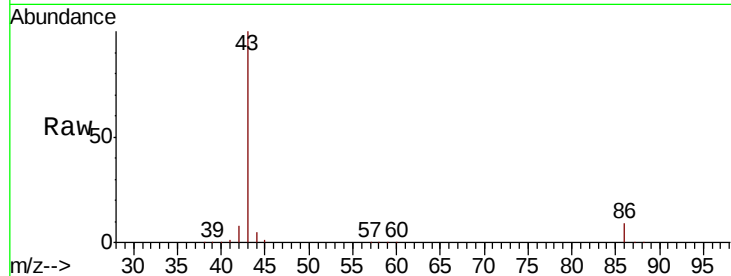
VU0928WBS03

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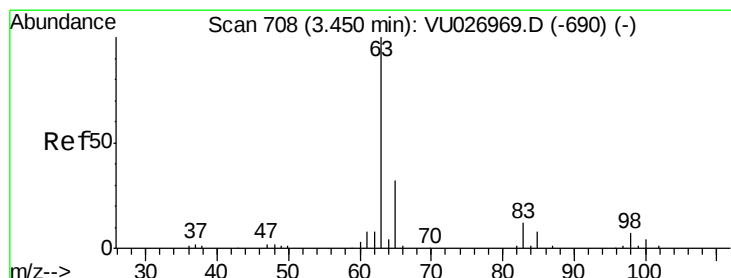
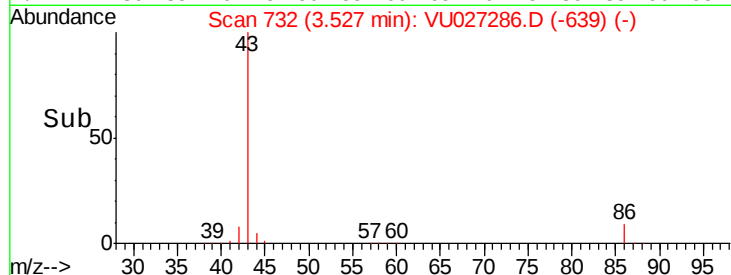
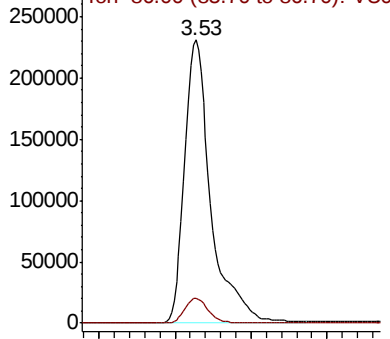
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Abundance Ion 43.00 (42.70 to 43.70): VU027286.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 21.407 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

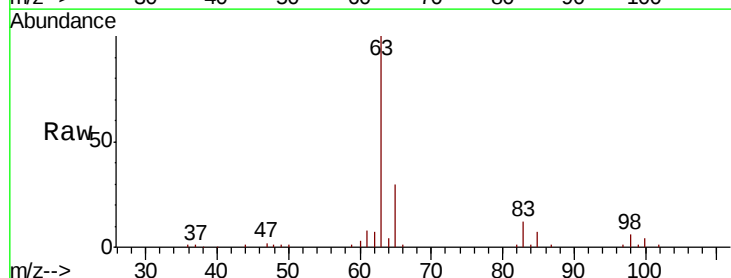
Tgt Ion: 63 Resp: 69650

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

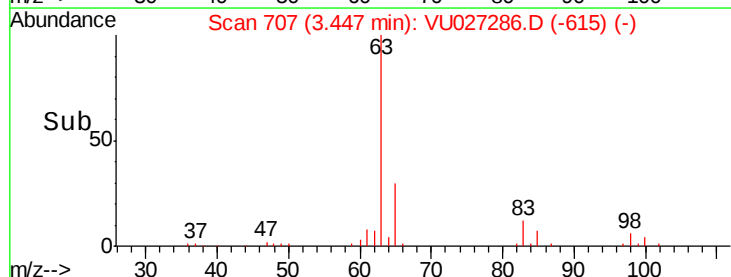
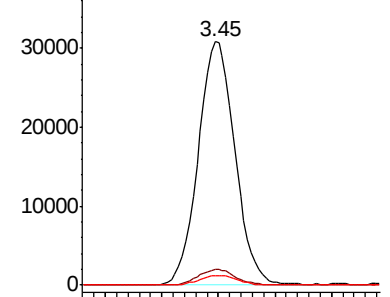
100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027286.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027286.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027286.D (-615) (-)





#25

2-Butanone

Concen: 98.283 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 43 Resp: 163899

Ion Ratio Lower Upper

43 100

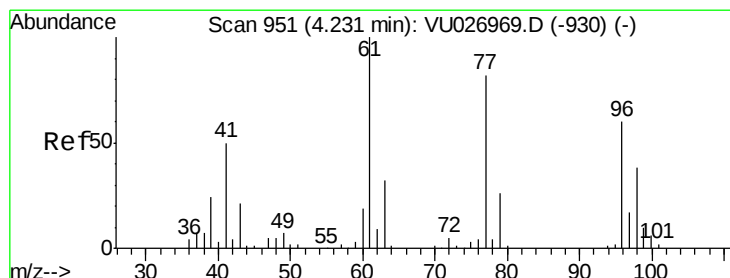
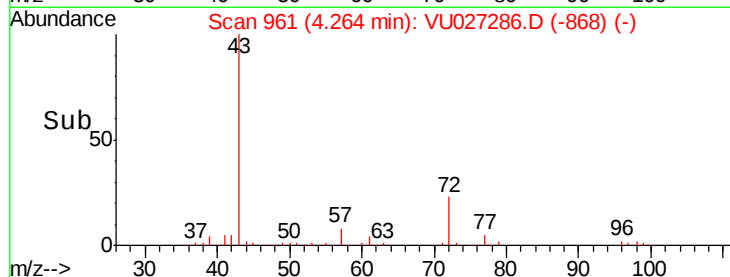
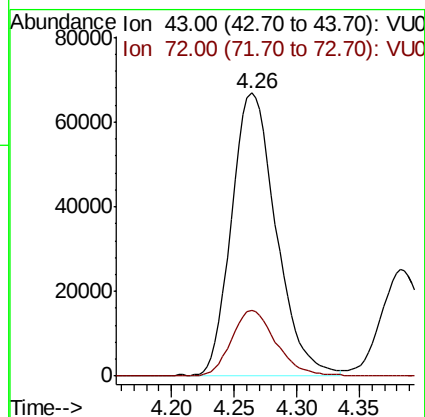
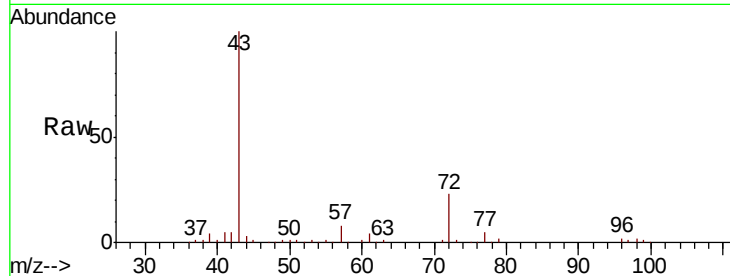
72 23.3 18.4 27.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.096 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027286.D

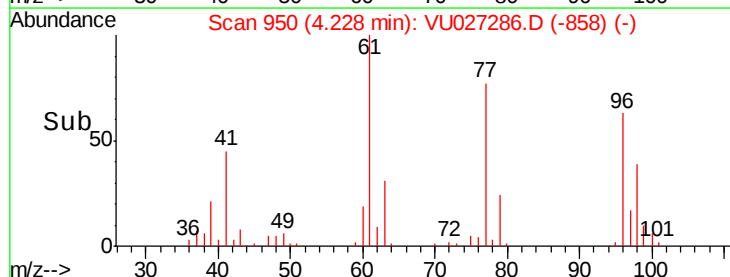
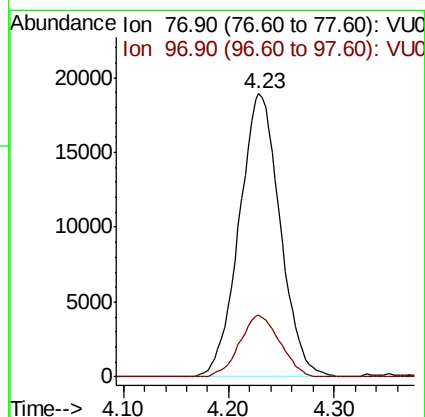
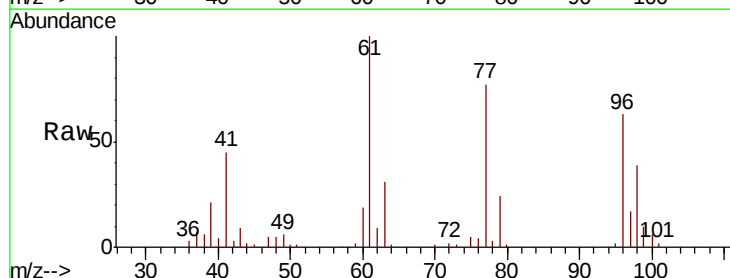
Acq: 28 Sep 2018 21:41

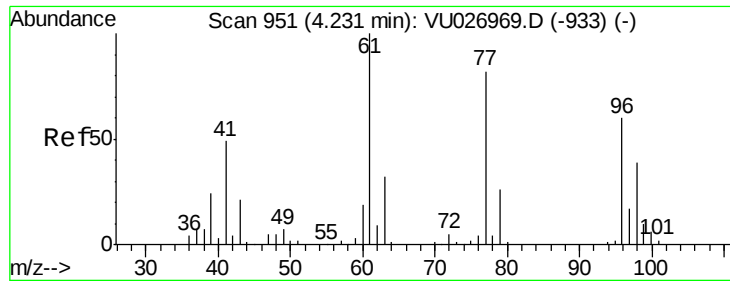
Tgt Ion: 77 Resp: 50992

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.5





#27

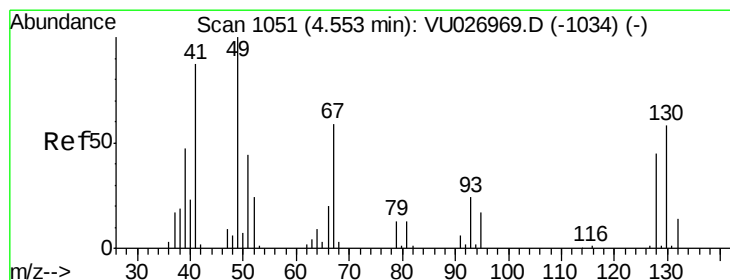
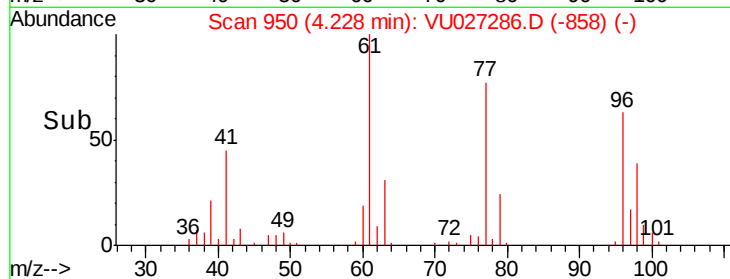
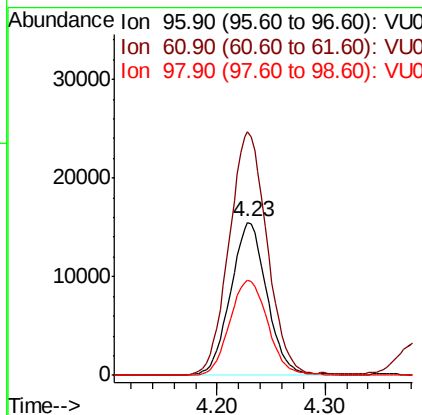
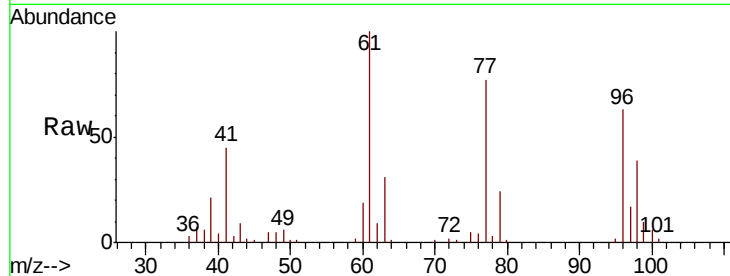
cis-1,2-Dichloroethene
Concen: 22.161 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.4	0.0	337.2	
98	64.8	0.0	127.6	

Manual Integrations
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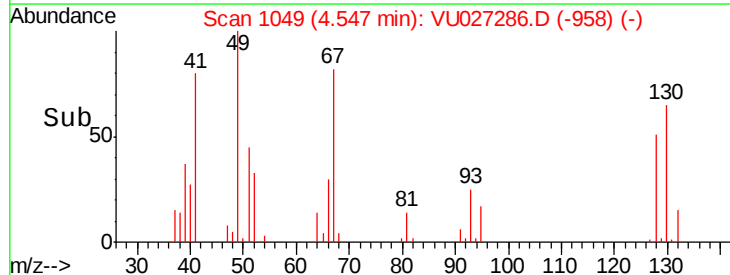
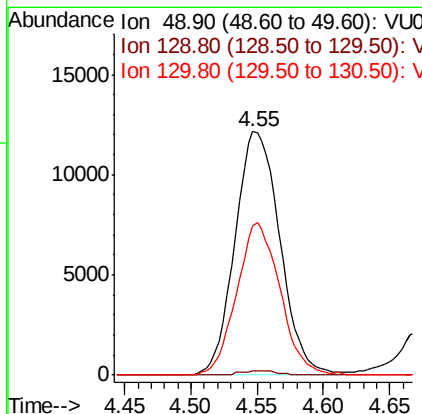
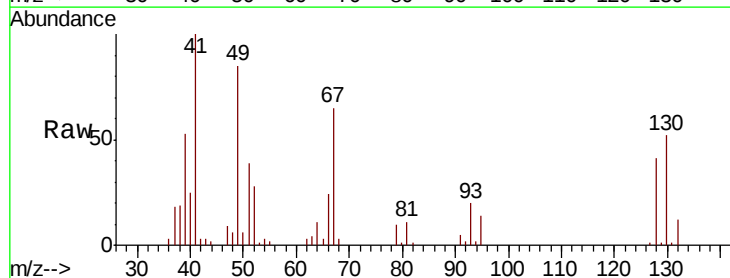
MMDadoda
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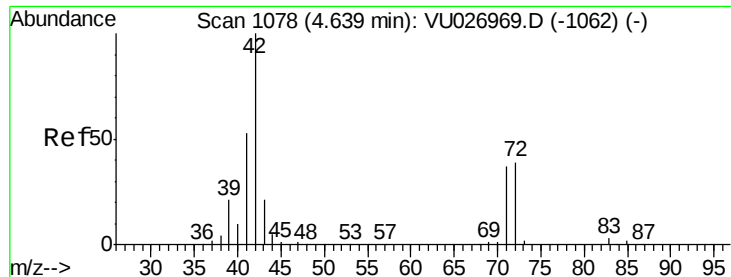


#28

Bromochloromethane
Concen: 18.293 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.0	
130	60.3	47.8	71.8	





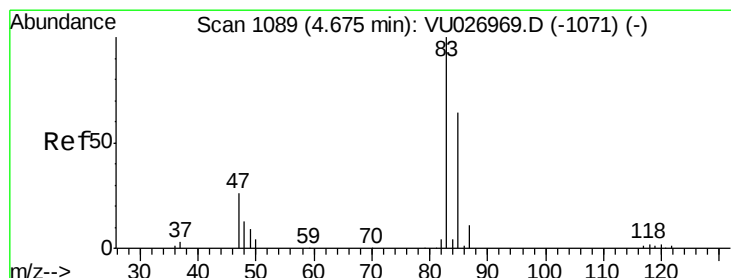
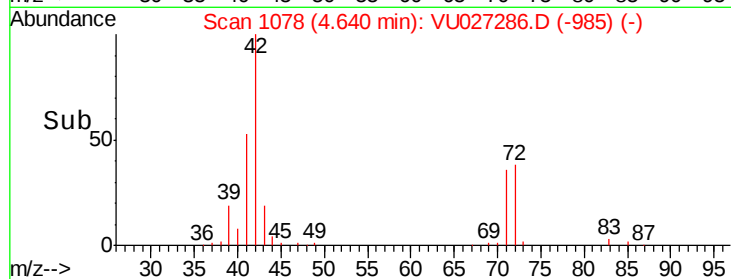
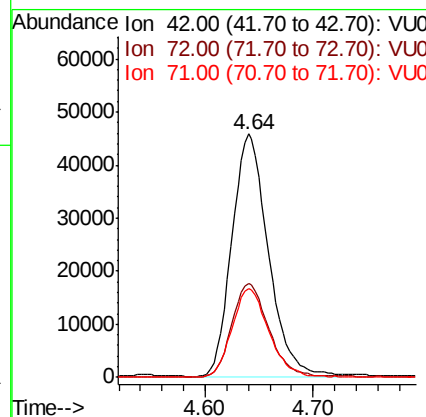
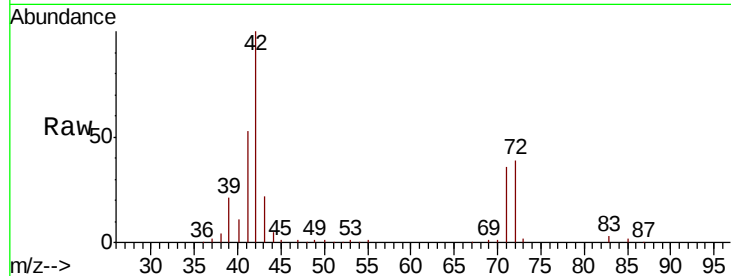
#29
Tetrahydrofuran
Concen: 106.864 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	36.9	29.6	44.4

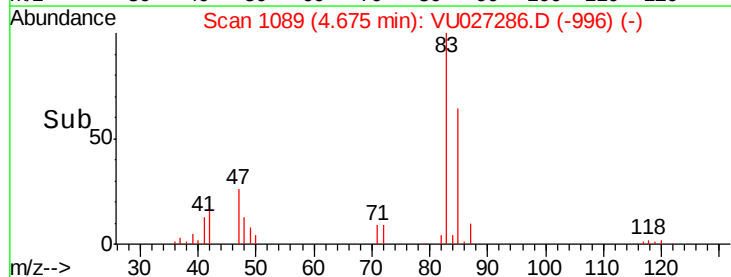
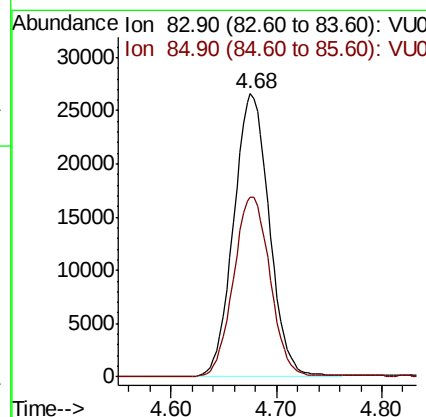
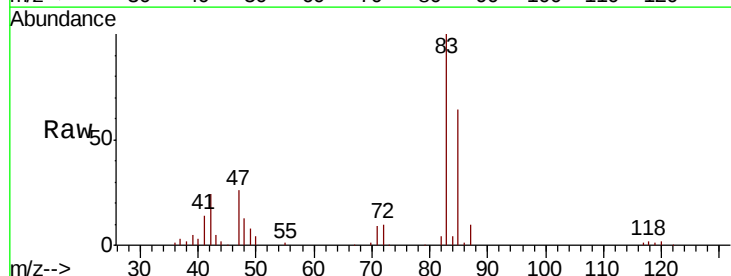
Manual Integrations
APPROVED

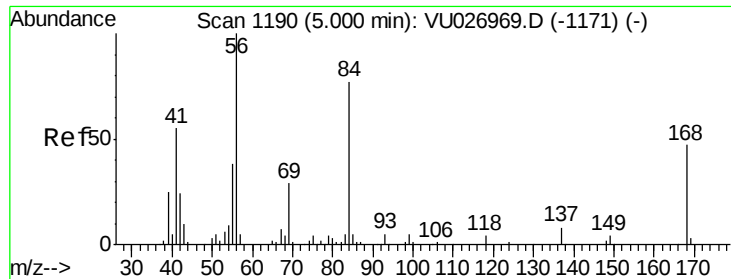
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#30
Chloroform
Concen: 20.690 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





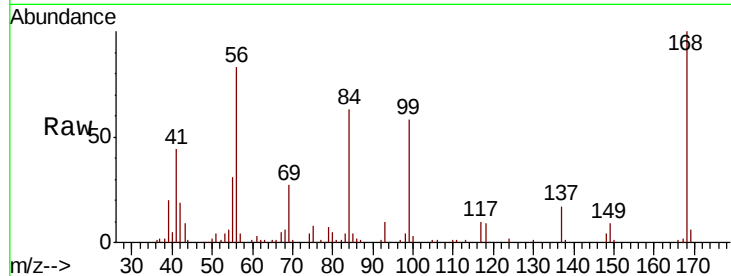
#31
Cyclohexane
Concen: 22.130 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	23.0	34.4
84	76.3	61.4	92.2

Manual Integrations
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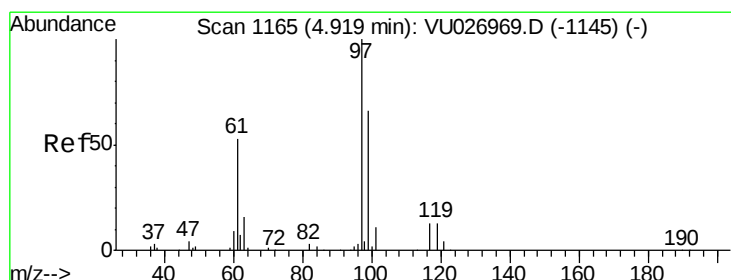
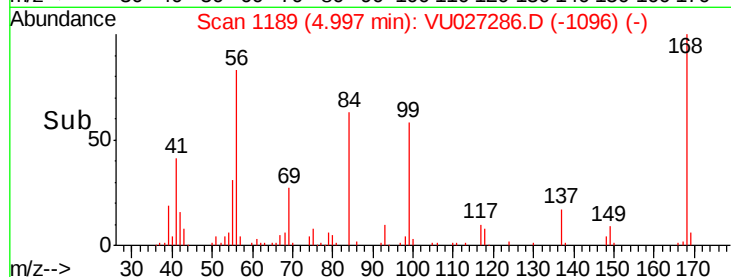
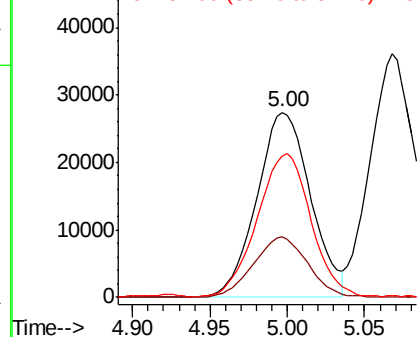


Abundance

Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

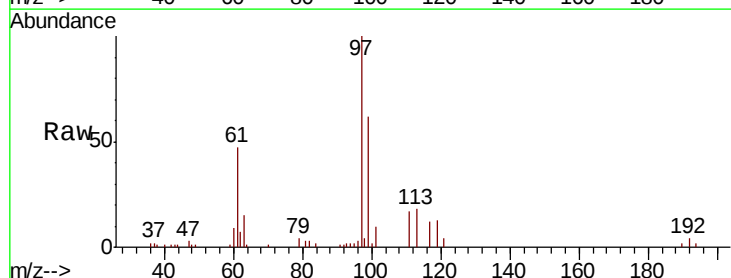
Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)



#32
1,1,1-Trichloroethane
Concen: 21.523 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	48.0	41.1	61.7

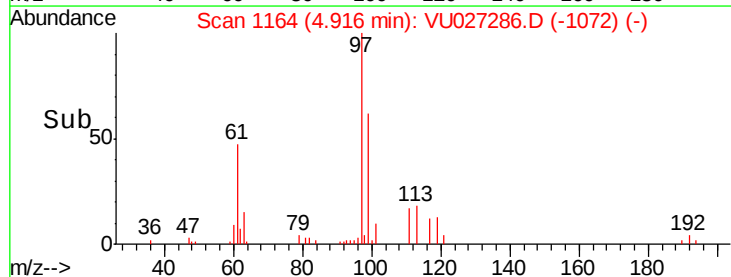
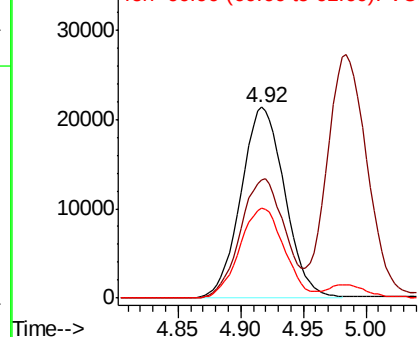


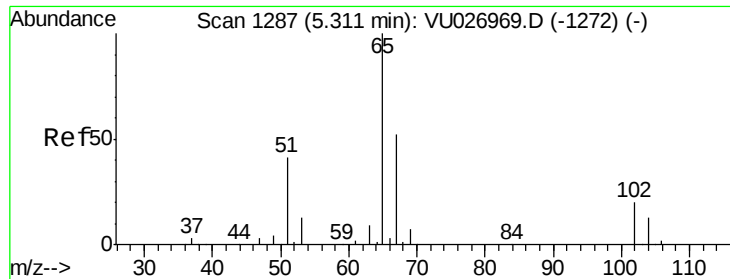
Abundance

Ion 96.90 (96.60 to 97.60): VU026969.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-1145) (-)





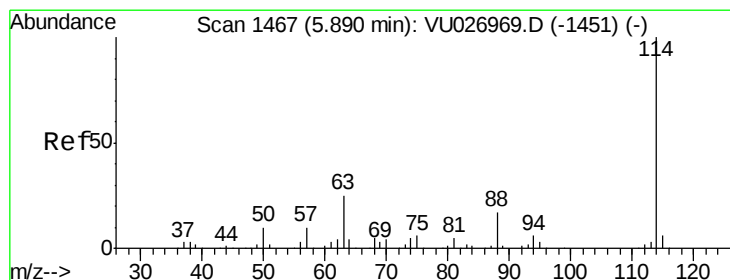
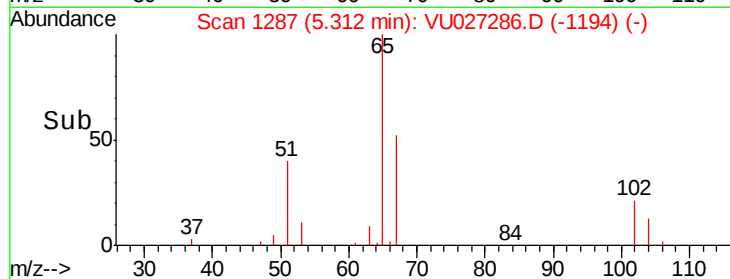
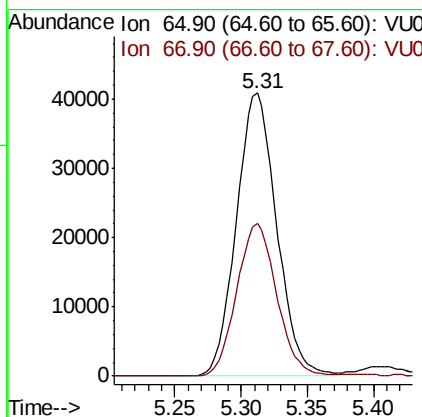
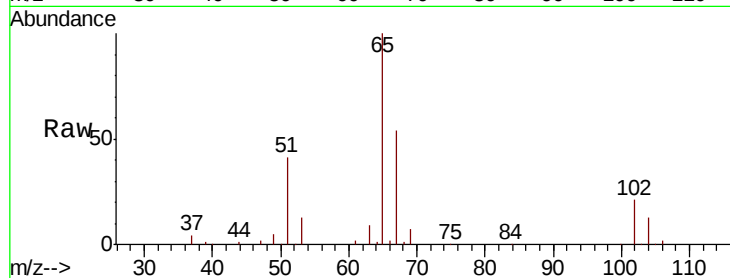
#33
 1,2-Dichloroethane-d4
 Concen: 43.638 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.6

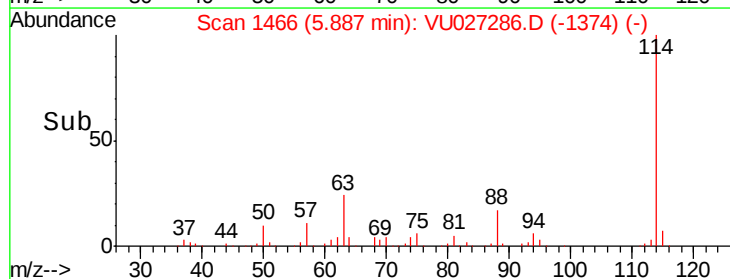
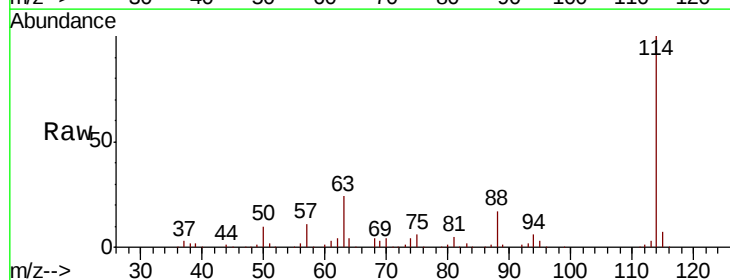
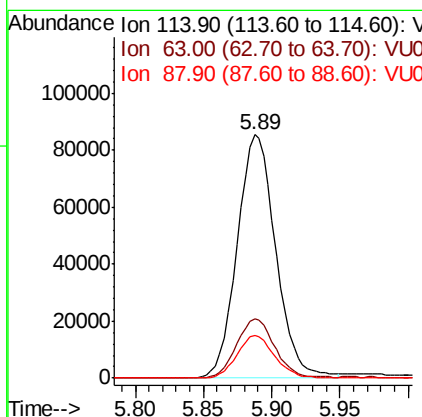
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.5	0.0	33.8





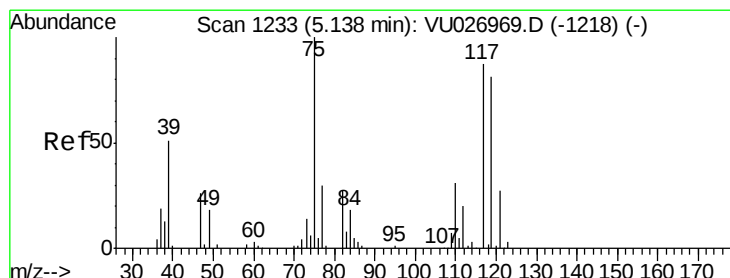
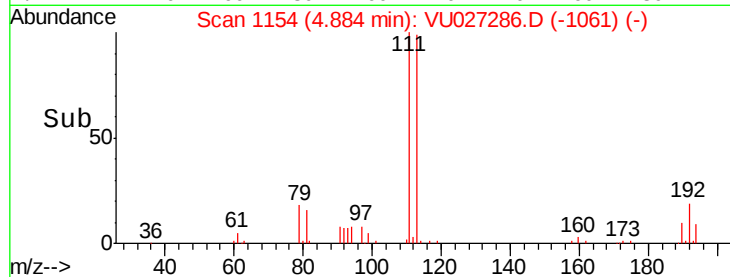
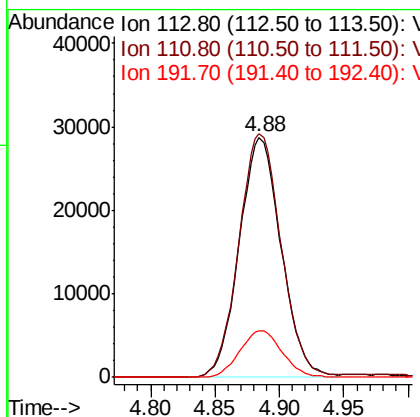
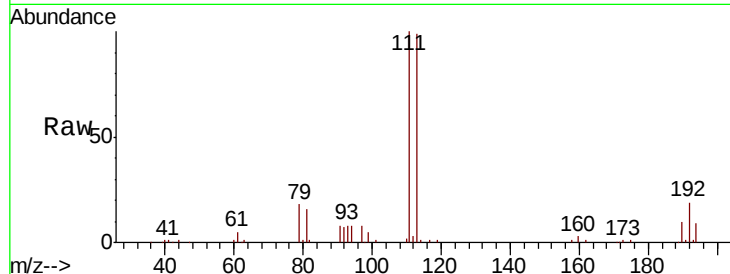
#35
 Dibromofluoromethane
 Concen: 44.838 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	65135		
111	102.9	82.2	123.4	
192	19.6	15.2	22.8	

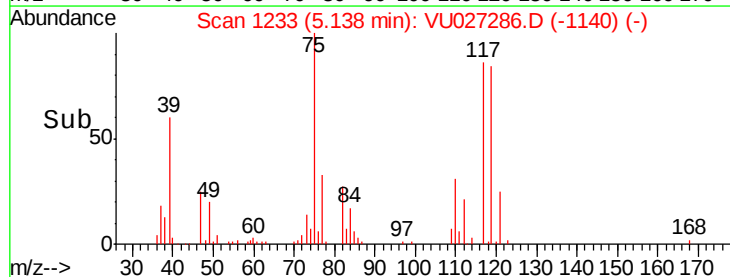
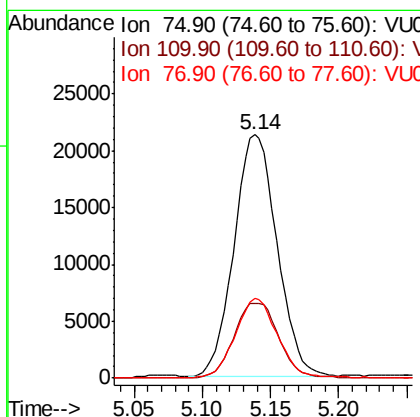
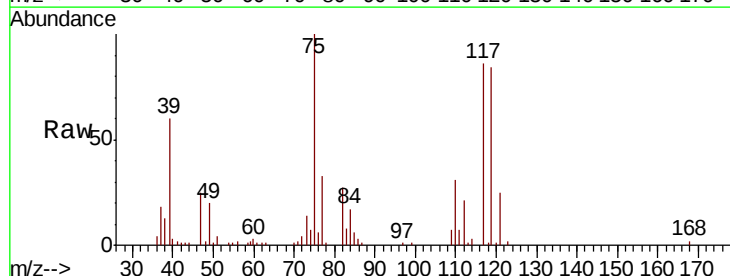
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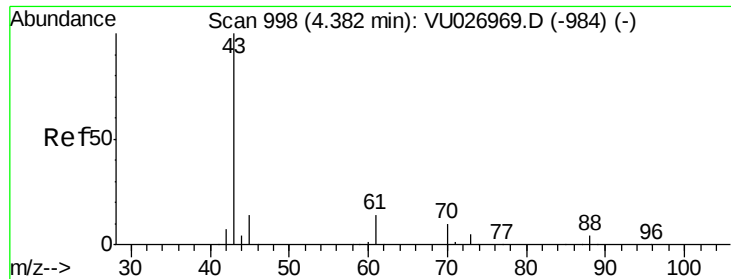
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.787 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46493		
110	32.3	16.1	48.2	
77	32.5	24.6	36.8	





#37

Ethyl Acetate

Concen: 19.758 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

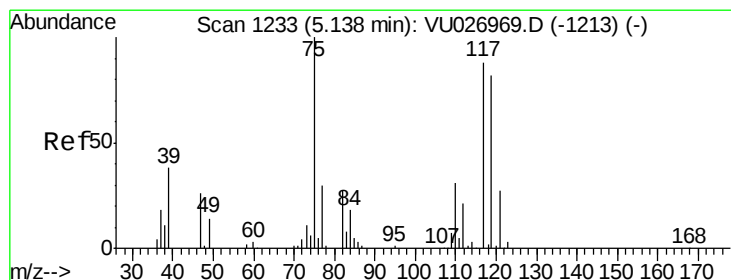
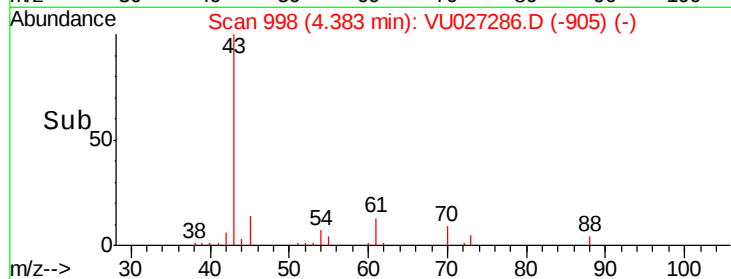
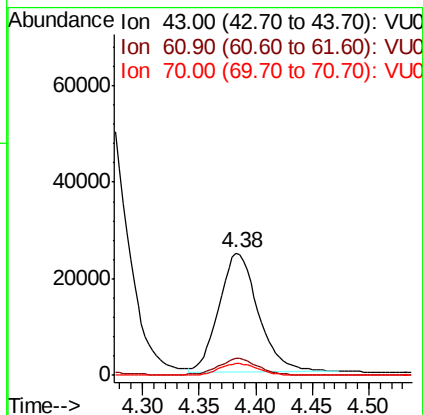
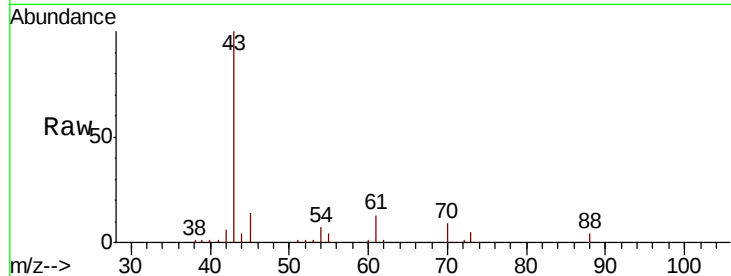
ClientSampleId :

VU0928WBS03

Tot Ion:	43	Resp:	59824
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.6	7.4	11.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 20.622 ug/l

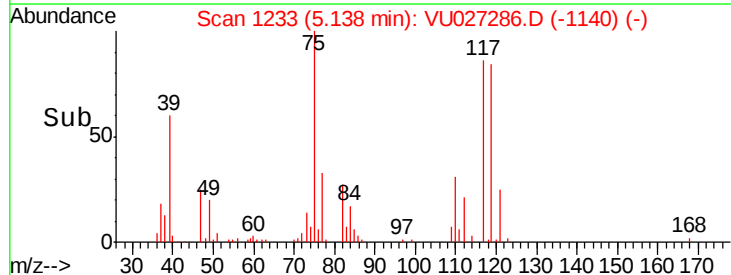
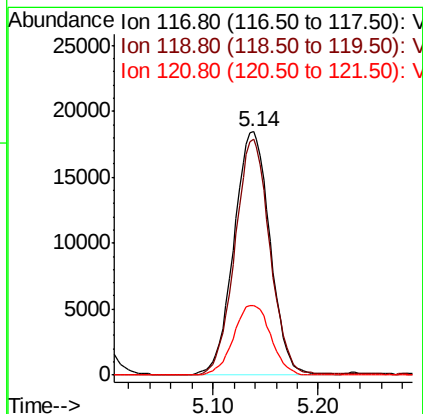
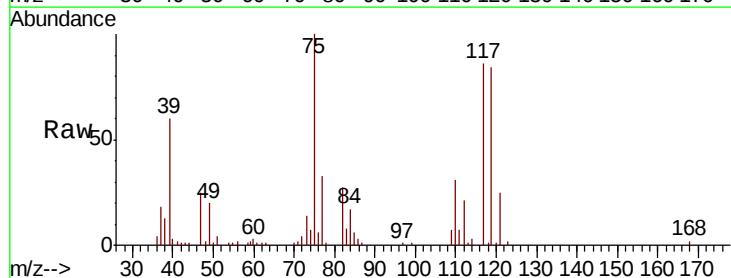
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion:	117	Resp:	43893
Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.4	111.6
121	28.4	24.2	36.4





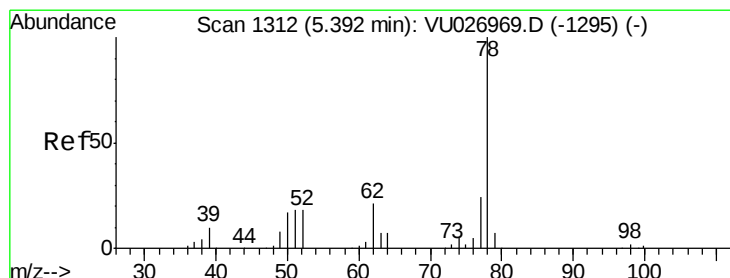
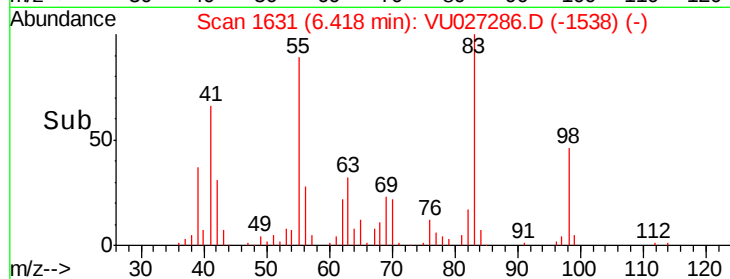
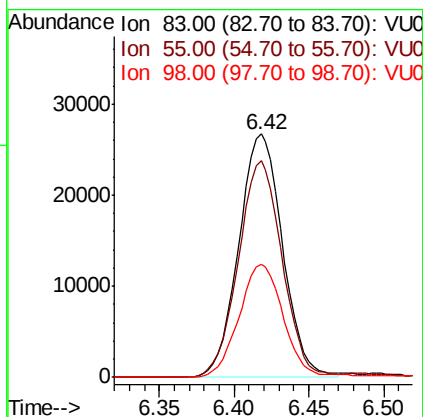
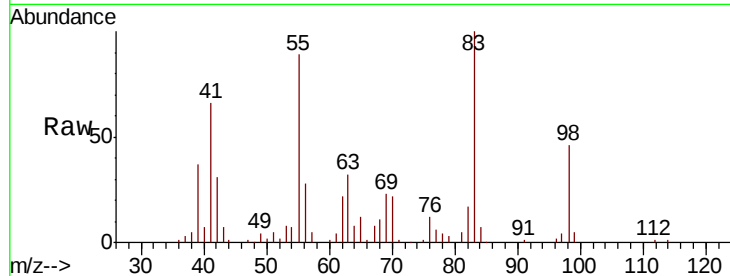
#39
Methvlcvclohexane
Concen: 22.377 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	83.00	Resp	54390
Ion	Ratio	Lower	Upper
83	100		
55	88.8	69.9	104.9
98	46.3	37.5	56.3

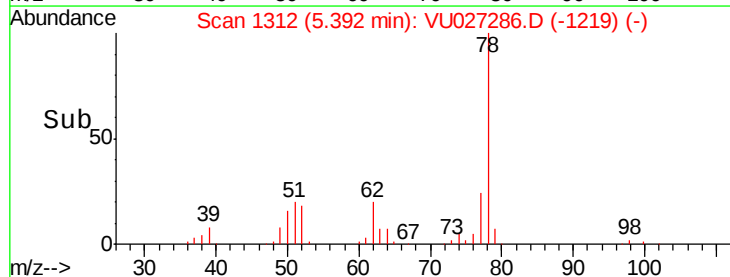
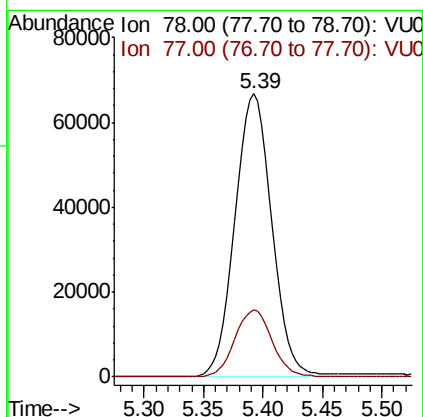
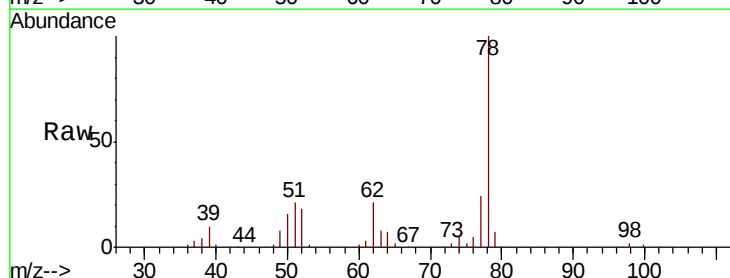
Manual Integrations
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#40
Benzene
Concen: 21.198 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	78.00	Resp	144136
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





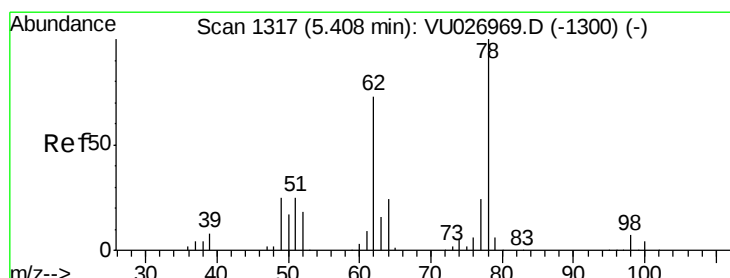
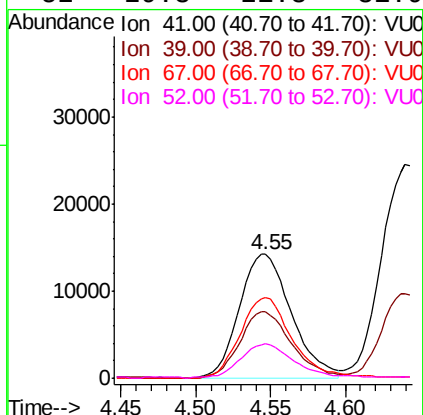
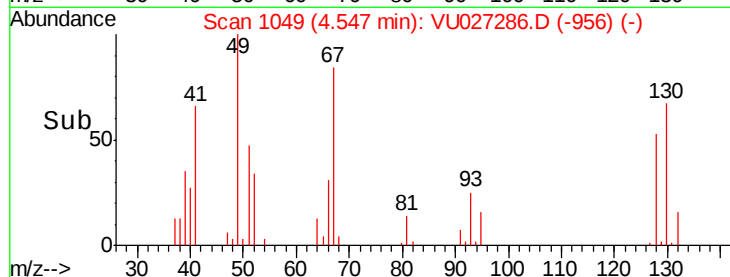
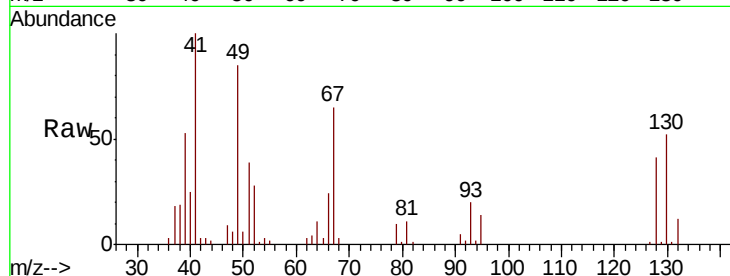
#41
Methacrylonitrile
Concen: 21.959 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		34531		
39	53.7	42.9	64.3		
67	65.9	52.4	78.6		
52	29.3	21.3	31.9		

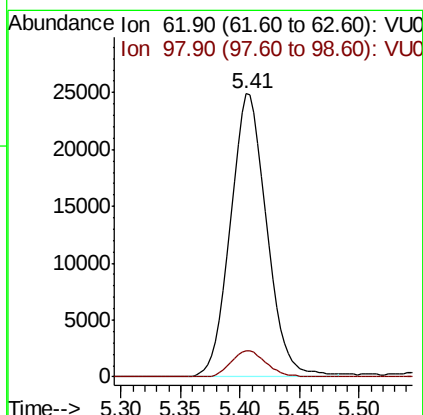
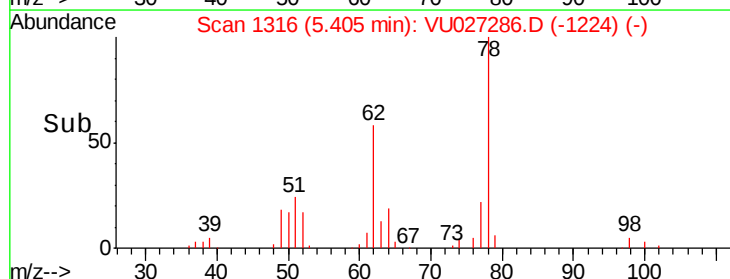
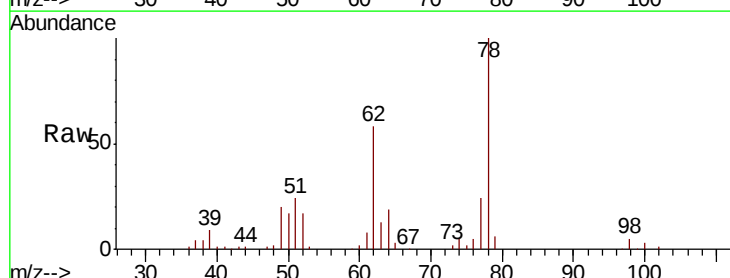
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 20.536 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		52756		
98	8.8	0.0	17.0		





#43

Isopropyl Acetate

Concen: 21.184 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

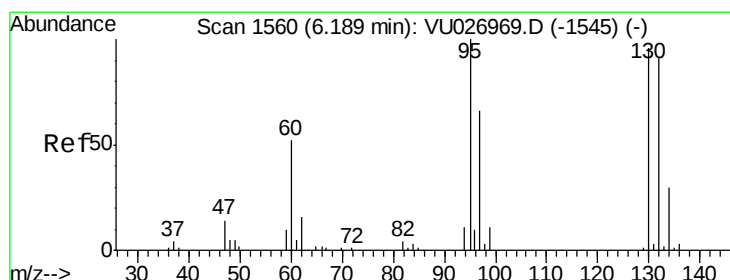
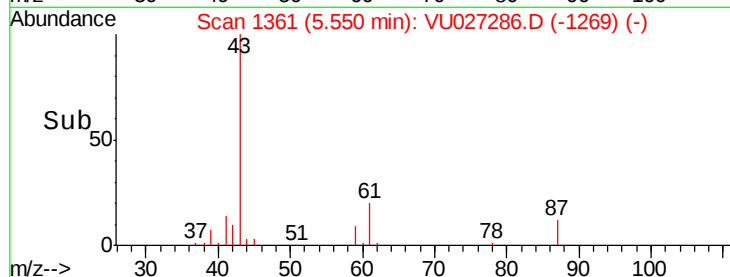
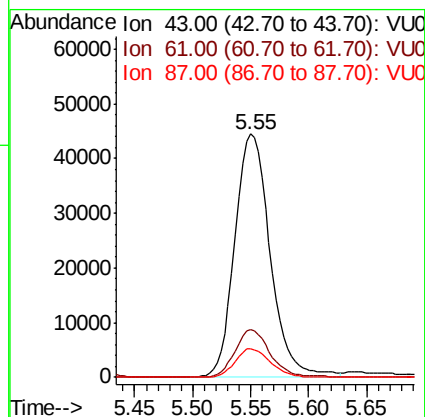
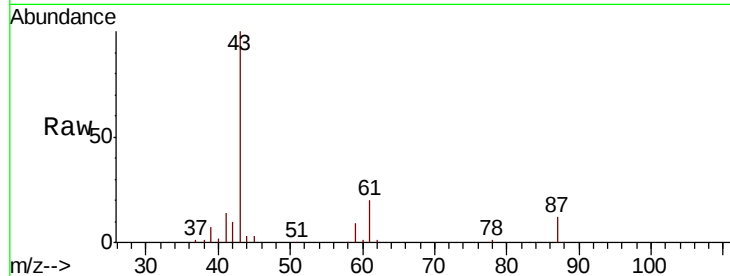
ClientSampleId :

VU0928WBS03

Tot Ion:	43	Resp:	93545
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.7	23.5
87	11.7	9.0	13.4

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#44

Trichloroethene

Concen: 21.926 ug/l

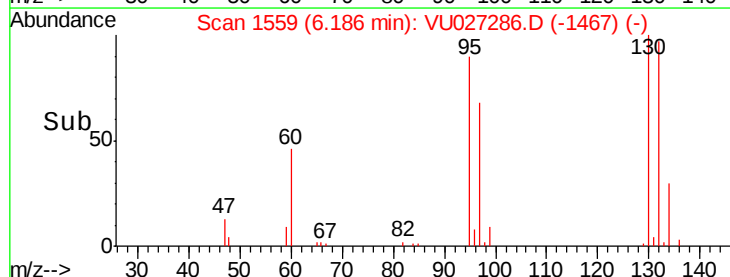
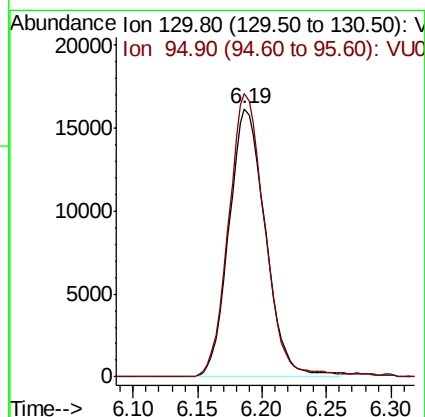
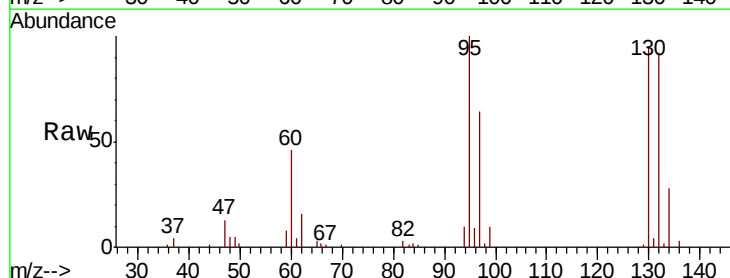
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion:	130	Resp:	31738
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	208.8





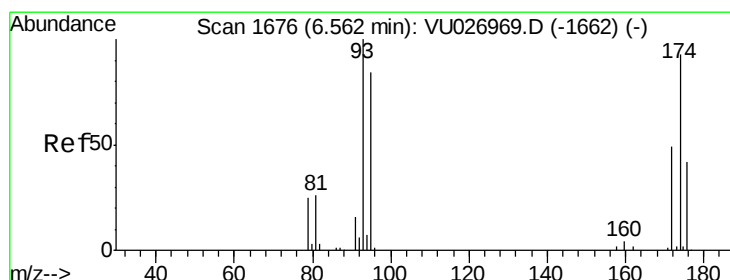
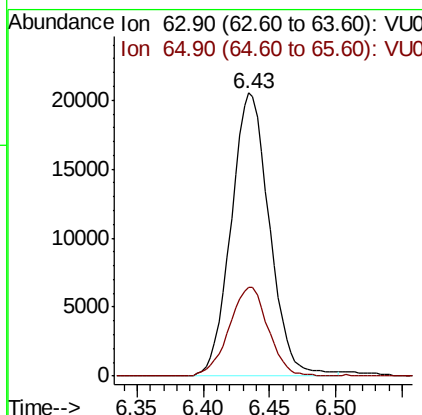
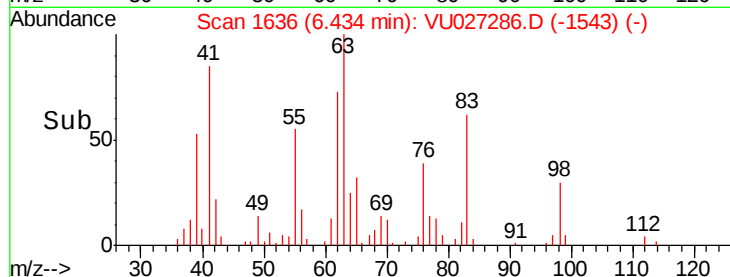
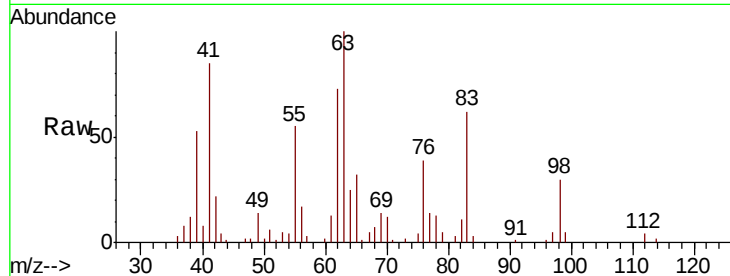
#45
 1,2-Dichloropropane
 Concen: 21.279 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion: 63 Resp: 41226
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

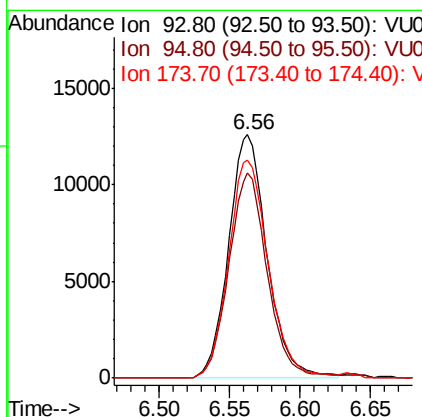
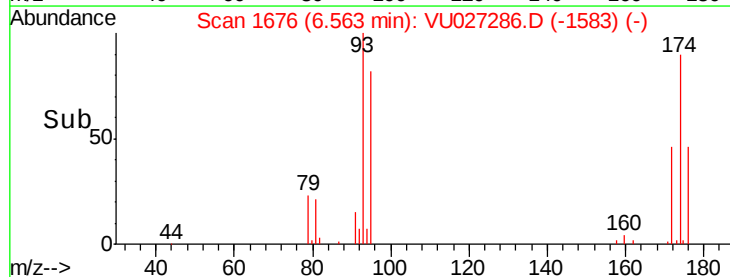
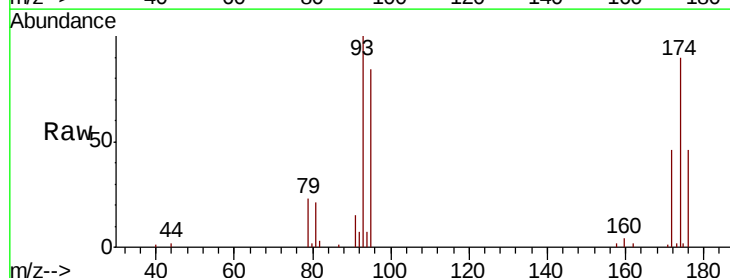
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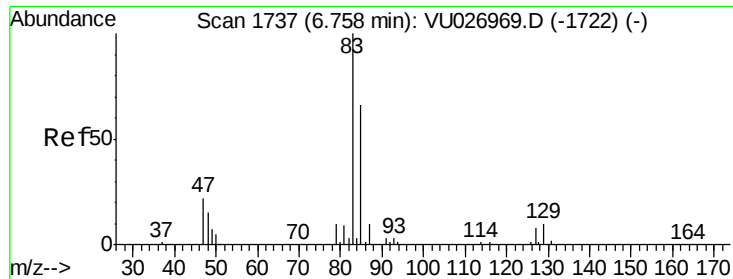
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#46
 Dibromomethane
 Concen: 20.504 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion: 93 Resp: 23991
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.2 99.4
 174 92.7 71.7 107.5





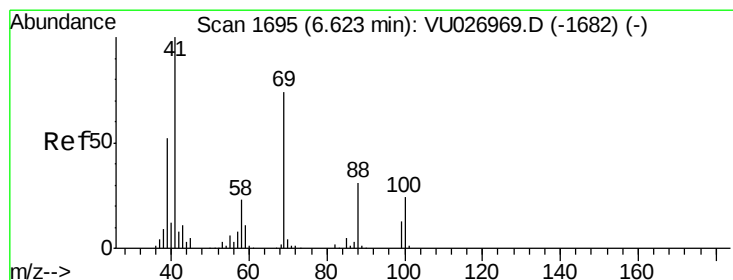
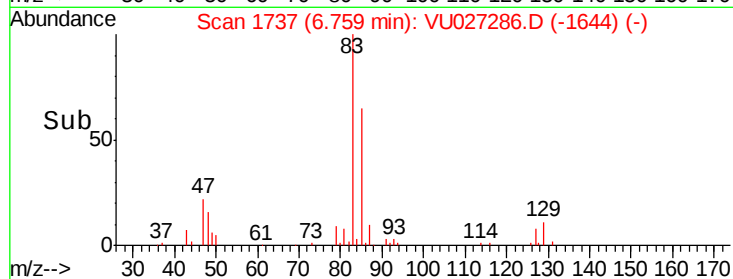
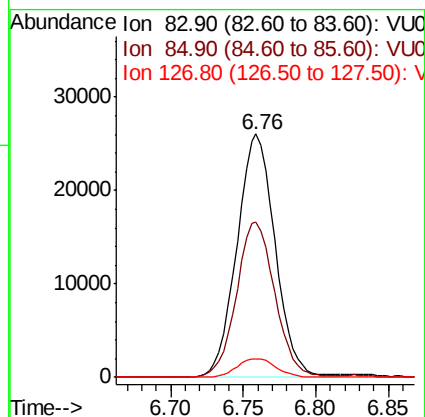
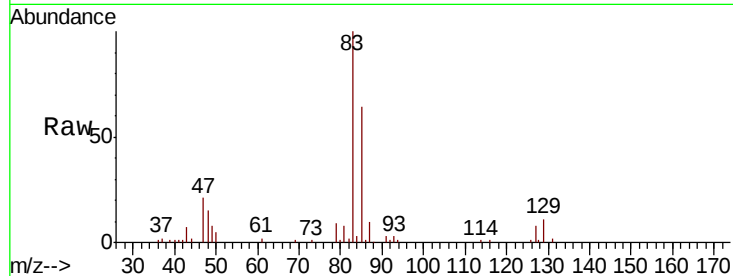
#47
Bromodichloromethane
Concen: 20.231 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	83	Resp	47866
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.8	6.3	9.5

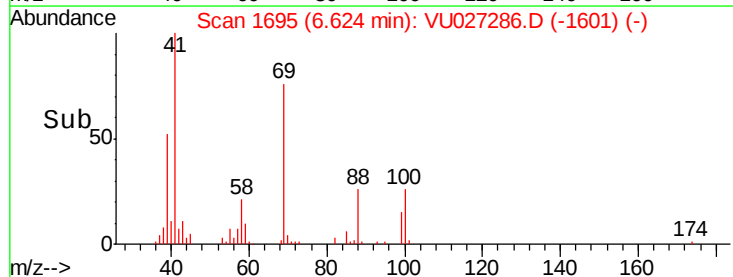
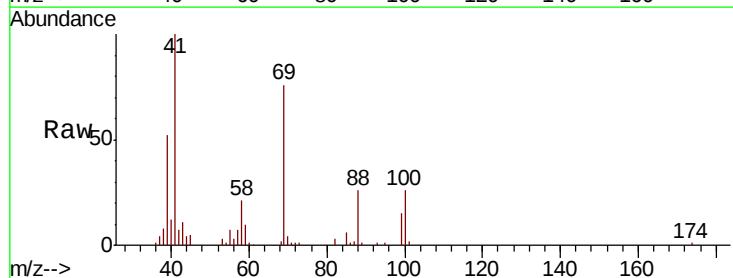
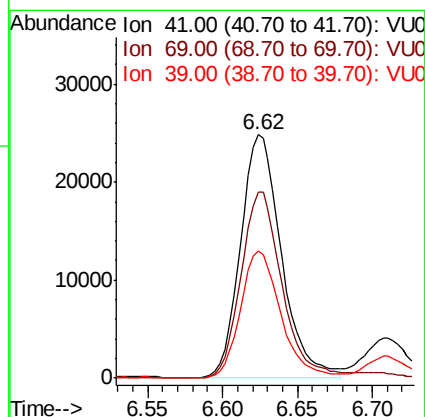
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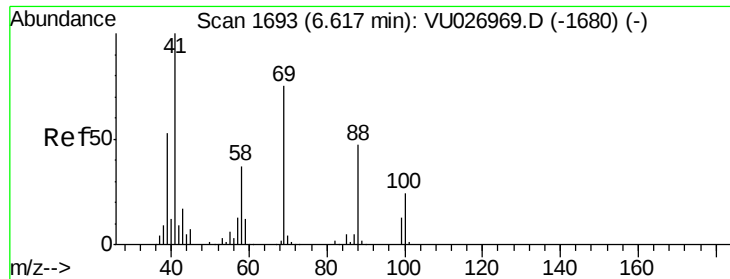
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#48
Methyl methacrylate
Concen: 20.320 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	41	Resp	47363
Ion Ratio	100	Lower	Upper
41	100		
69	79.3	60.6	90.8
39	51.3	42.8	64.2





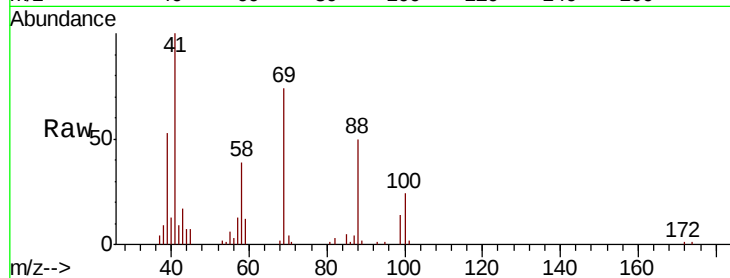
#49
1,4-Dioxane
Concen: 345.417 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	29.8	44.8
58	79.3	63.9	95.9

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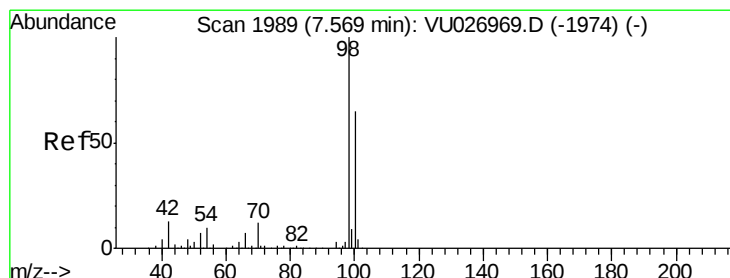
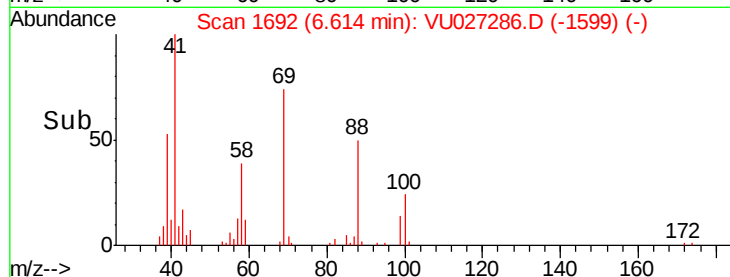
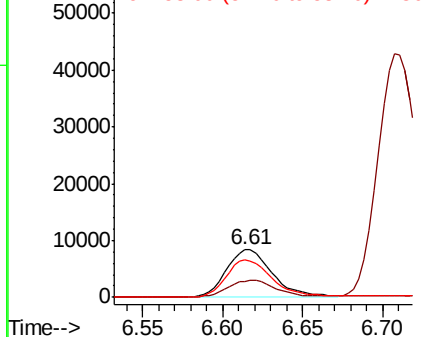


Abundance

Ion 88.00 (87.70 to 88.70): VU0

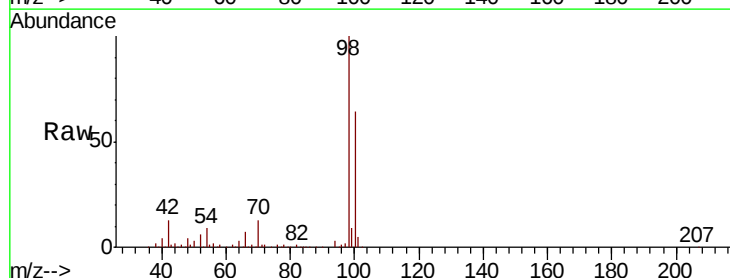
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50
Toluene-d8
Concen: 43.194 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

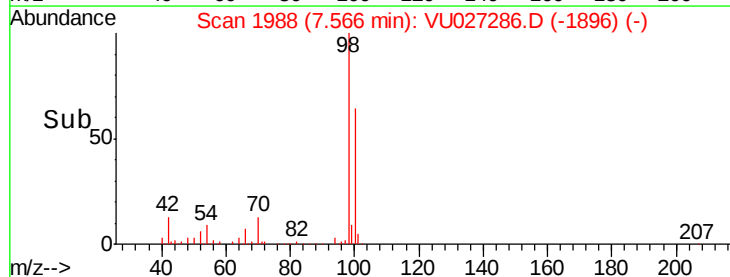
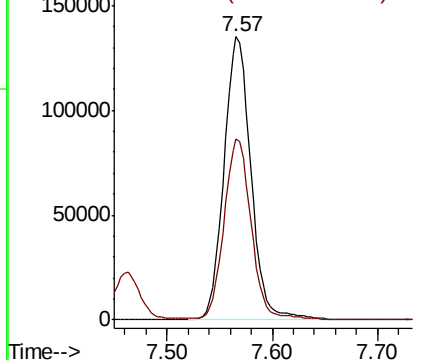
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1



Abundance

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 107.309 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 43 Resp: 318694

Ion Ratio Lower Upper

43 100

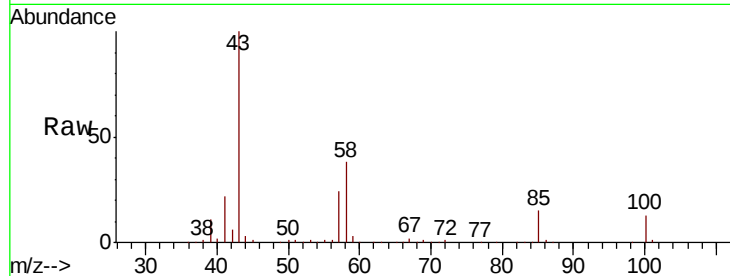
58 37.7 29.8 44.6

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Abundance Ion 43.00 (42.70 to 43.70): VU027286.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027286.D (-1863) (-)

200000

150000

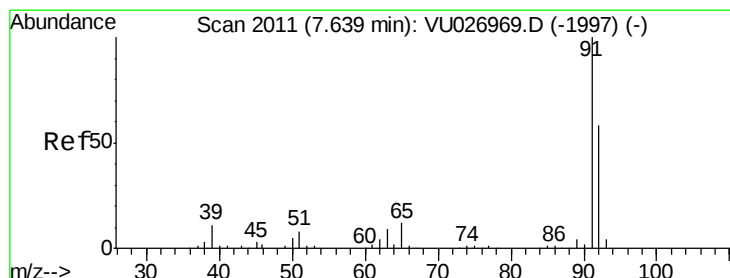
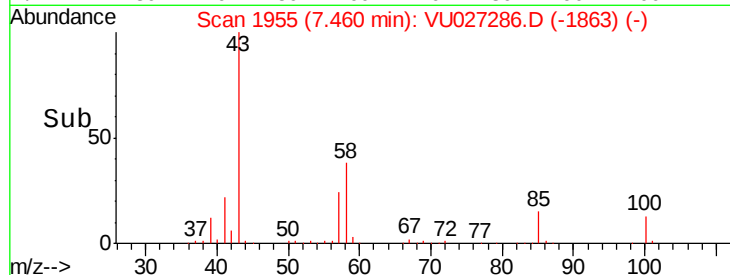
100000

50000

0

7.40 7.50 7.60

Time-->



#52

Toluene

Concen: 22.131 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027286.D

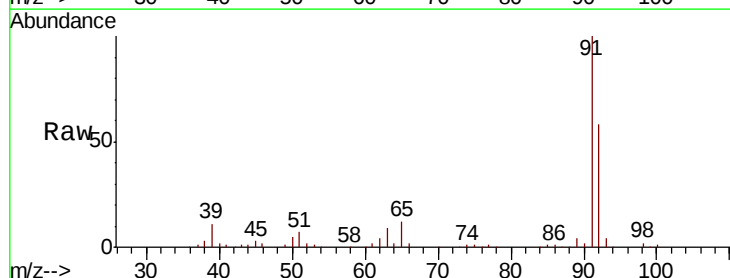
Acq: 28 Sep 2018 21:41

Tgt Ion: 92 Resp: 86255

Ion Ratio Lower Upper

92 100

91 174.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU027286.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027286.D (-1918) (-)

100000

80000

60000

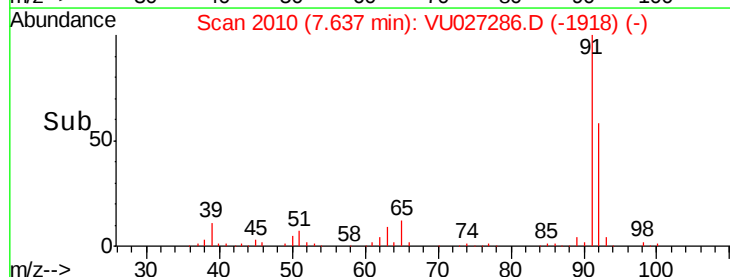
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





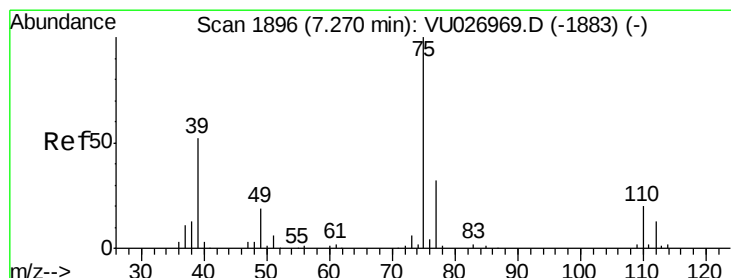
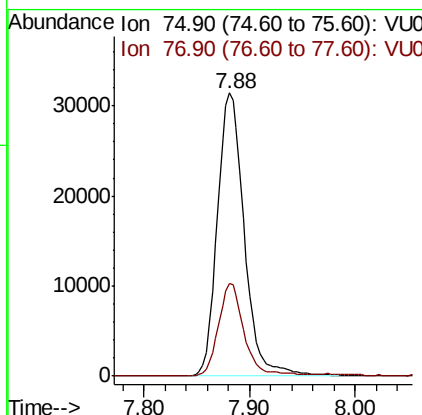
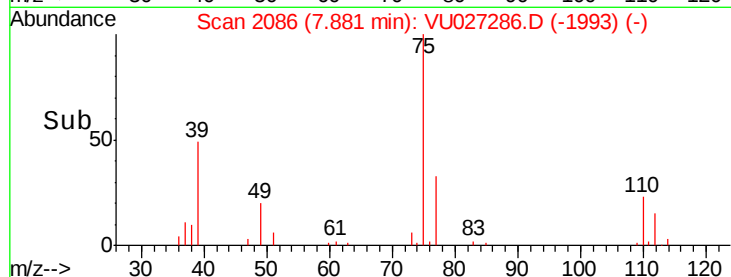
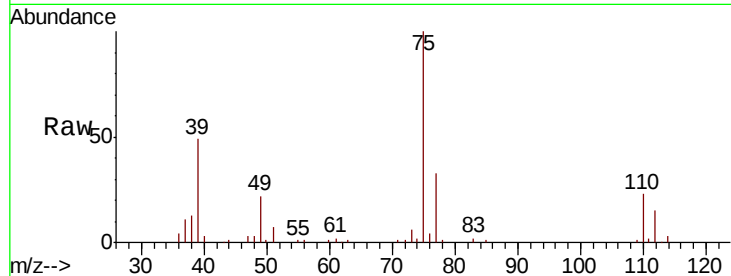
#53
t-1,3-Dichloropropene
Concen: 21.821 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion: 75 Resp: 55469
Ion Ratio Lower Upper
75 100
77 32.6 25.3 37.9

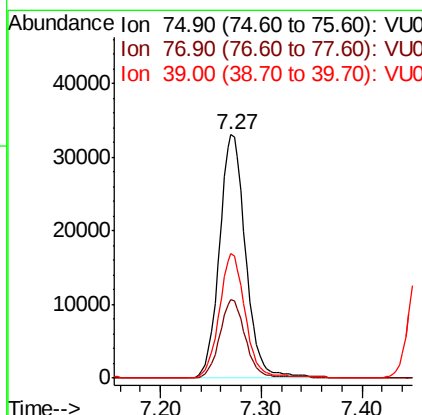
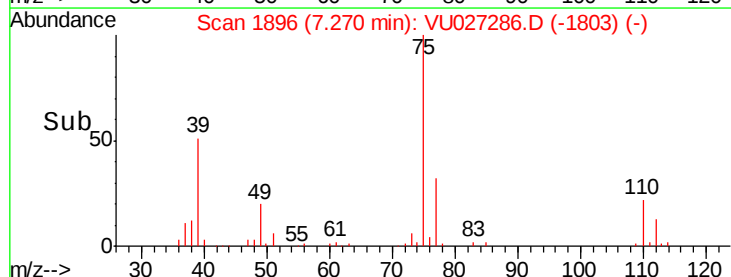
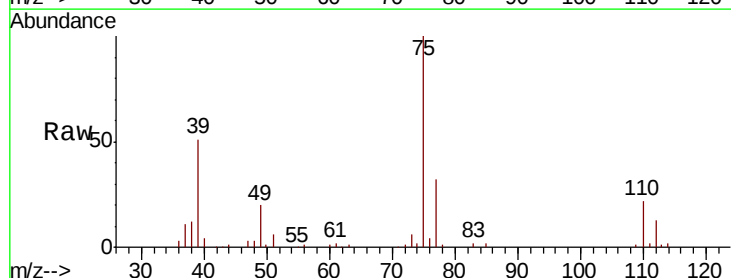
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#54
cis-1,3-Dichloropropene
Concen: 21.519 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 75 Resp: 60147
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
39 51.1 41.6 62.4





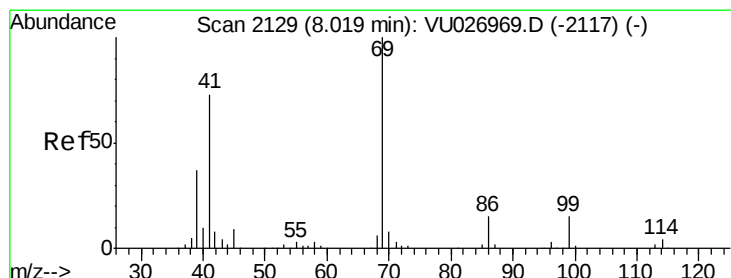
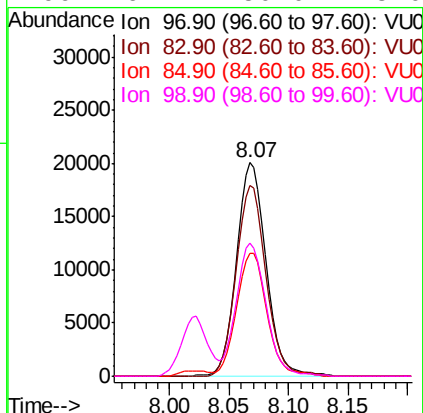
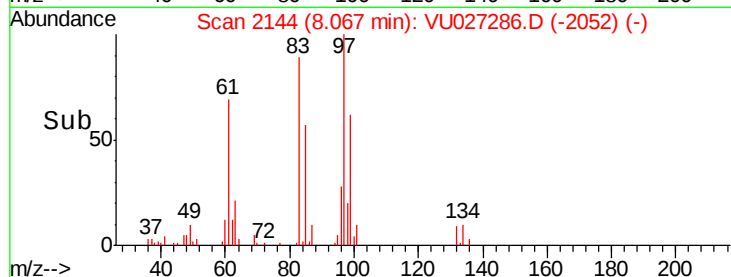
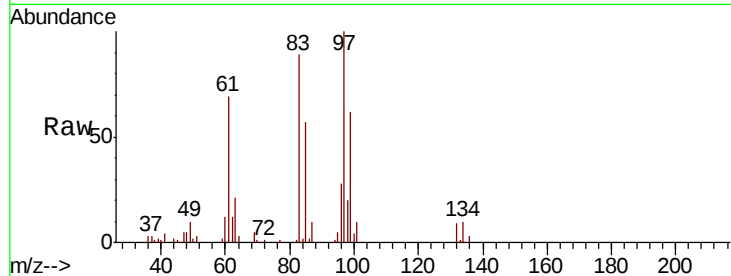
#55
 1,1,2-Trichloroethane
 Concen: 20.989 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion:	97	Resp:	34662
Ion	Ratio	Lower	Upper
97	100		
83	89.5	73.1	109.7
85	57.5	46.7	70.1
99	62.2	50.0	75.0

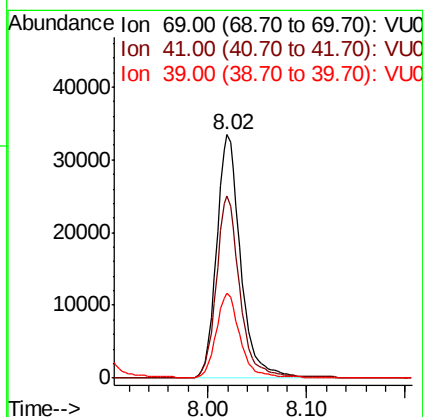
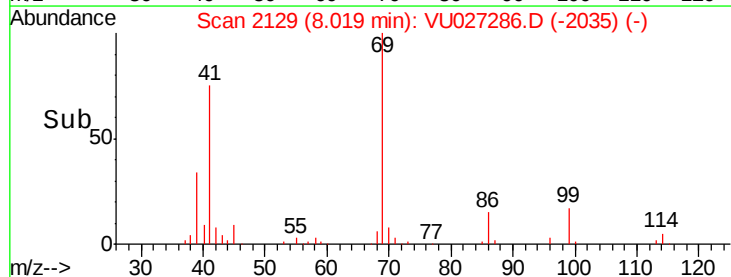
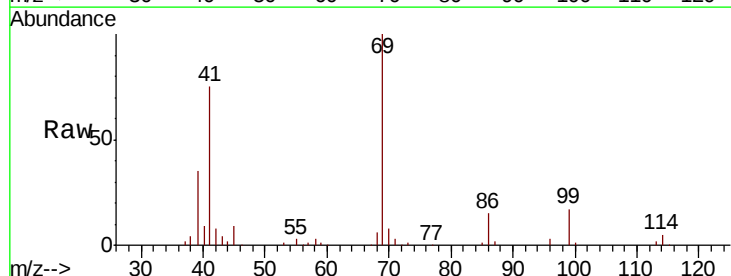
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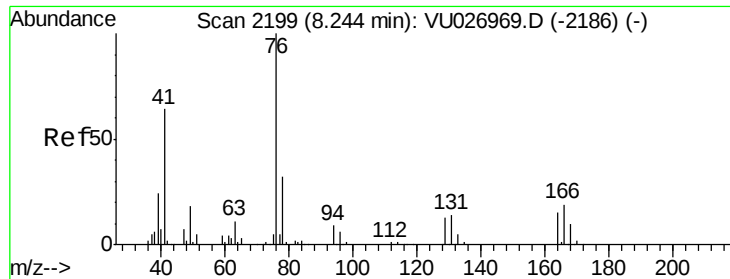
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#56
 Ethyl methacrylate
 Concen: 21.282 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion:	69	Resp:	57206
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.0	88.4
39	35.1	30.2	45.4





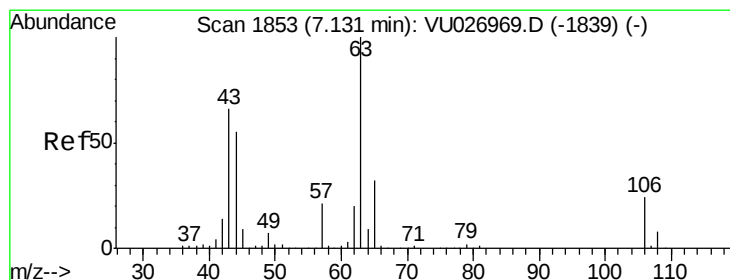
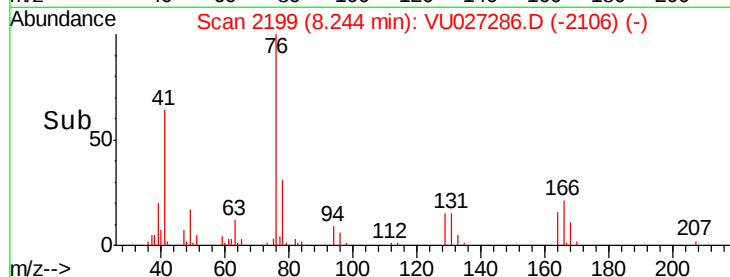
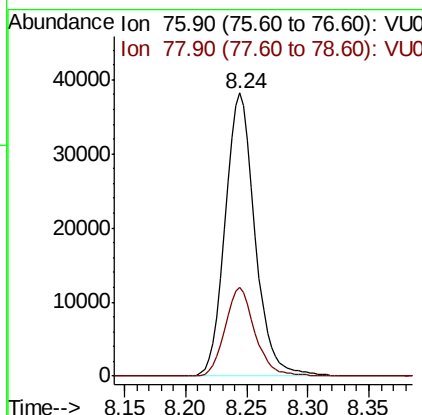
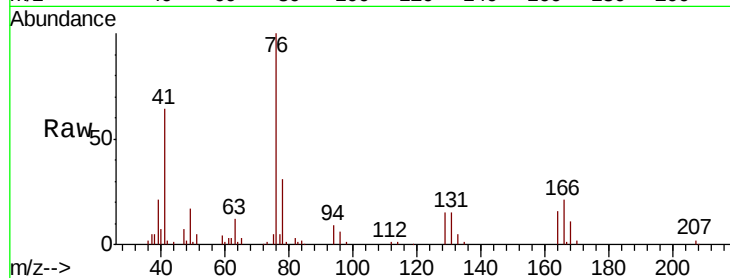
#57
 1,3-Dichloropropane
 Concen: 21.319 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

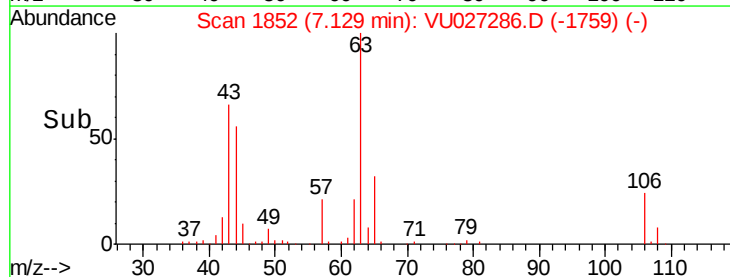
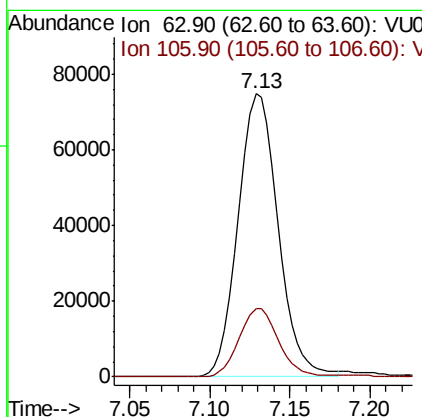
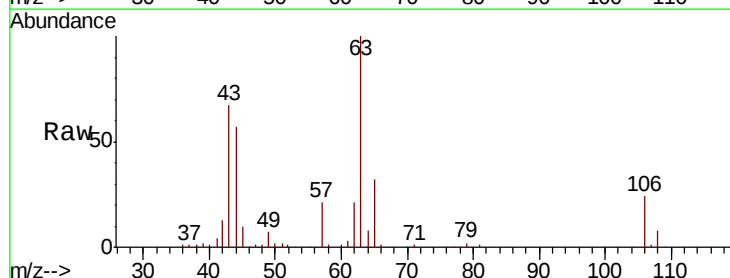
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#58
 2-Chloroethyl Vinyl ether
 Concen: 82.038 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	18.7	28.1





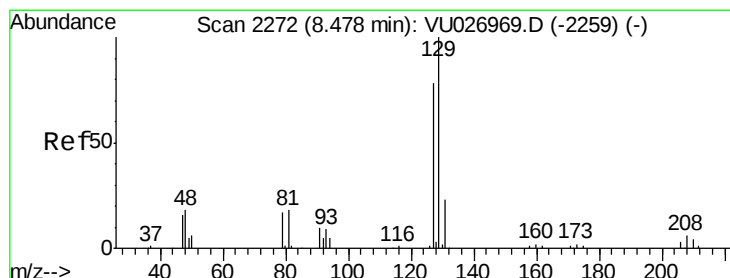
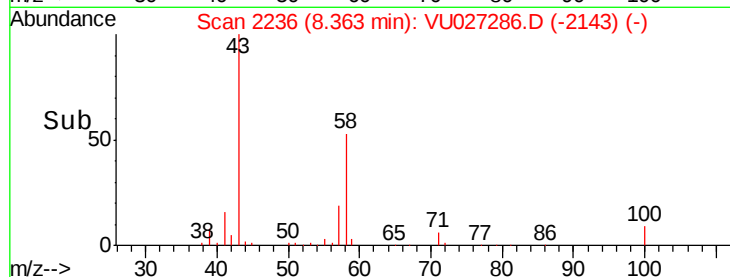
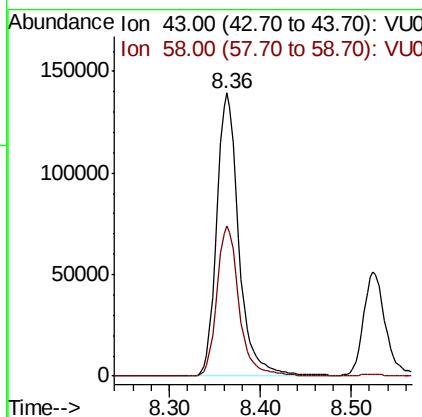
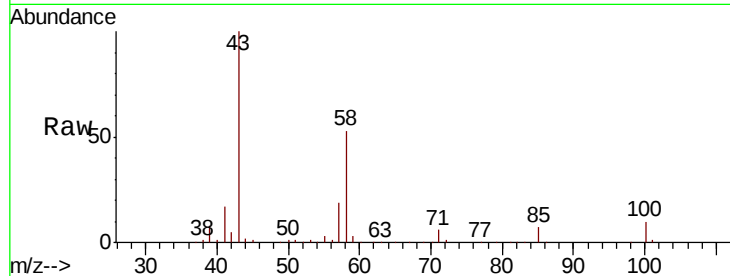
#59
2-Hexanone
Concen: 101.596 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion: 43 Resp: 236184
Ion Ratio Lower Upper
43 100
58 53.1 26.1 78.2

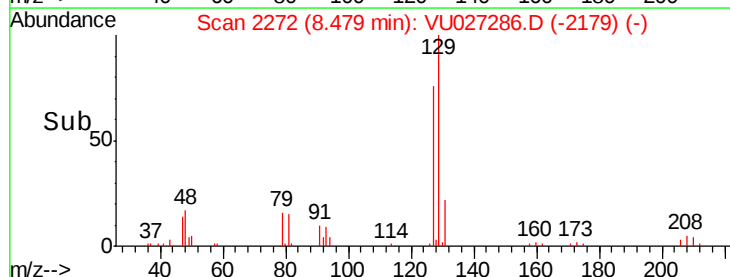
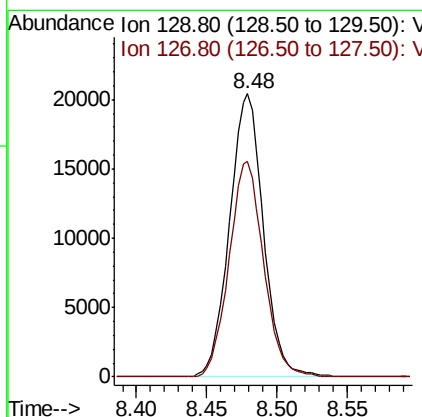
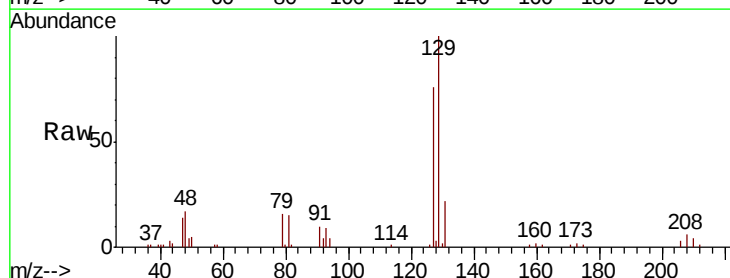
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#60
Dibromochloromethane
Concen: 21.164 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 129 Resp: 34284
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.5





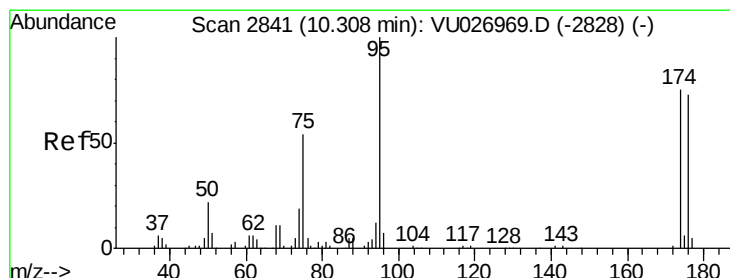
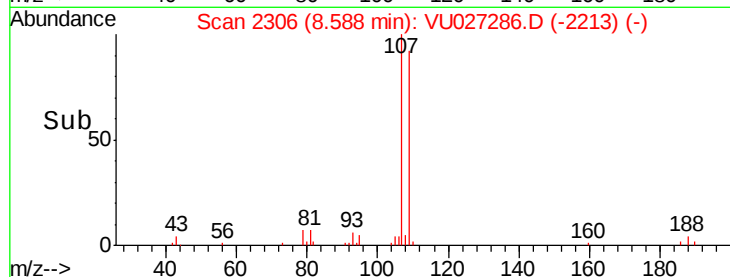
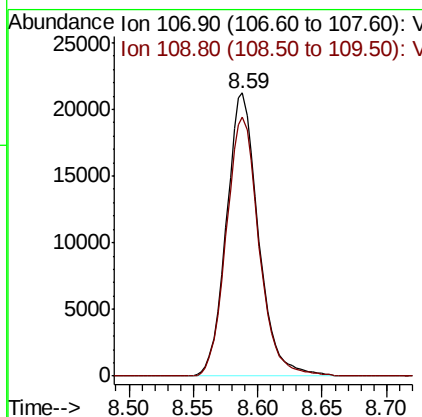
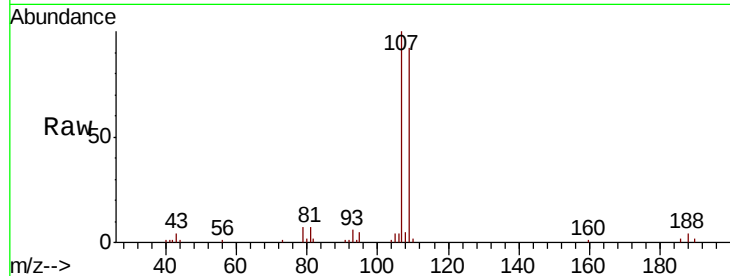
#61
 1,2-Dibromoethane
 Concen: 21.292 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

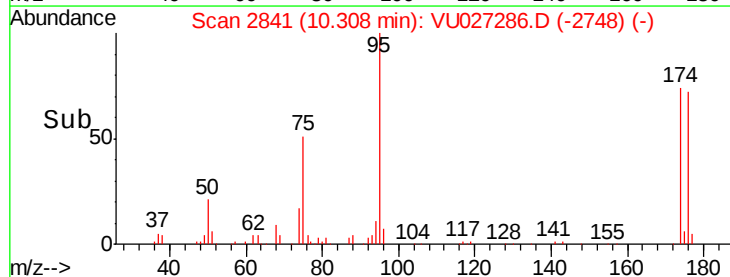
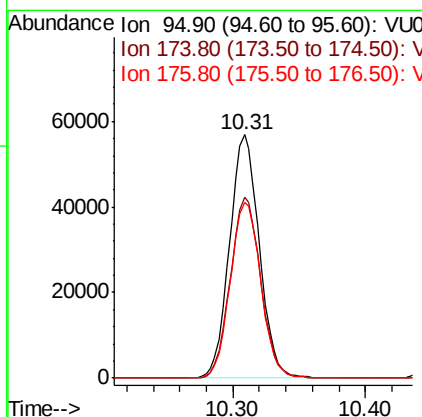
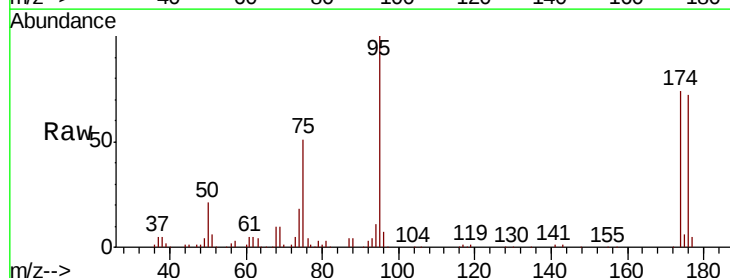
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 46.701 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	150.2
176	73.9	0.0	145.2





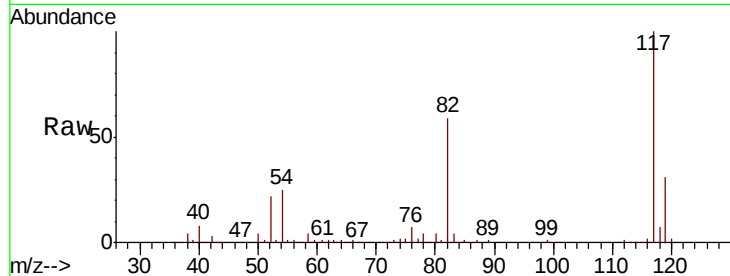
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	161189		
82	59.4	48.0	72.0	
119	30.7	25.8	38.8	

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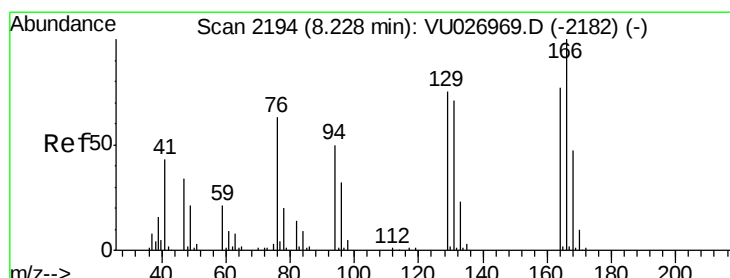
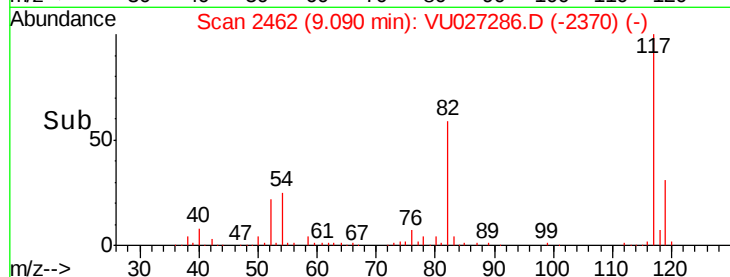
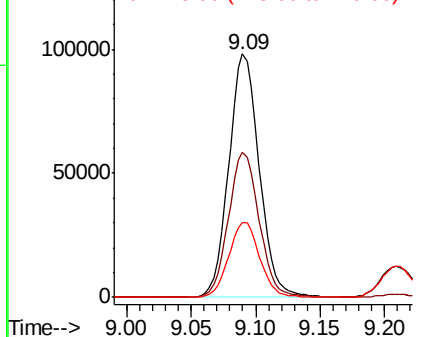


Abundance

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: 22.093 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	27441		
166	128.6	104.4	156.6	
129	97.3	78.7	118.1	
131	91.6	73.9	110.9	

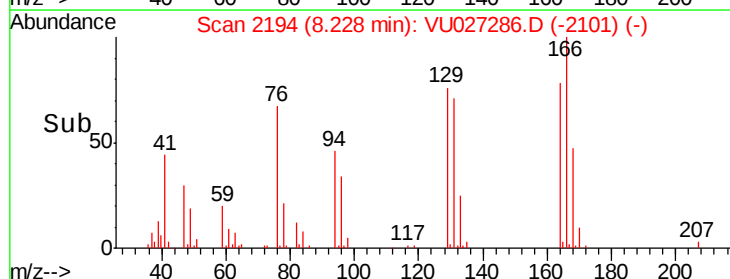
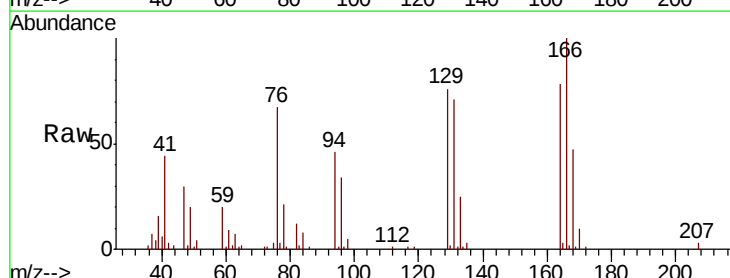
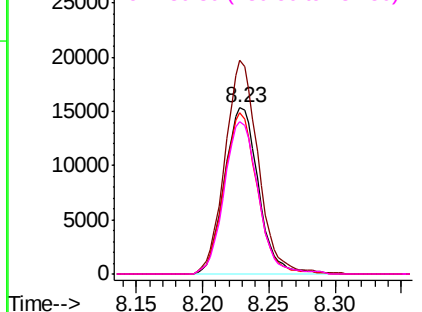
Abundance

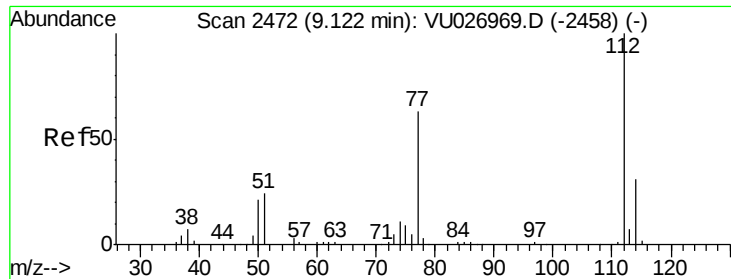
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





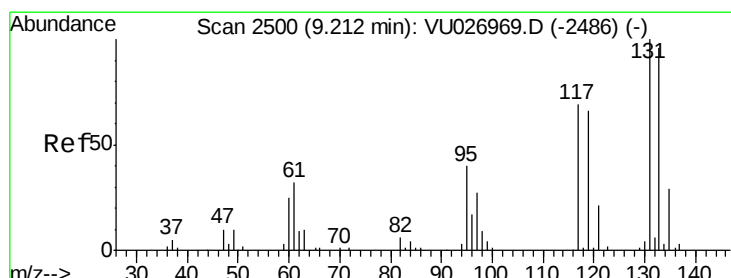
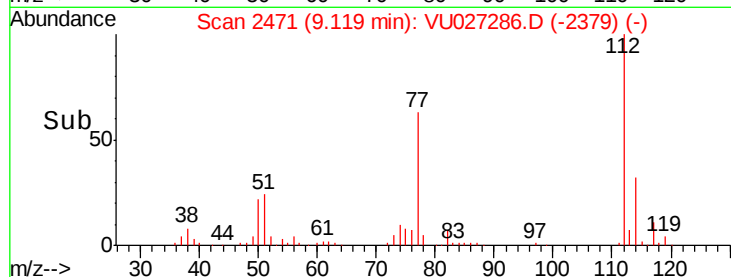
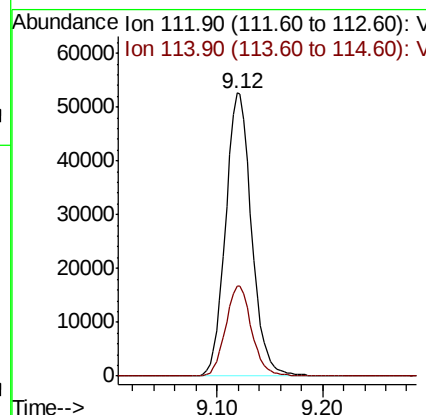
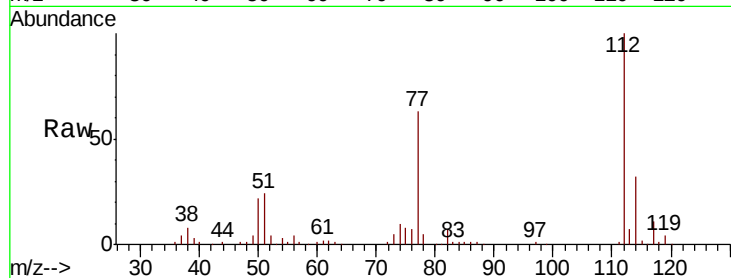
#65
Chlorobenzene
Concen: 20.929 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion:112 Resp: 89451
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

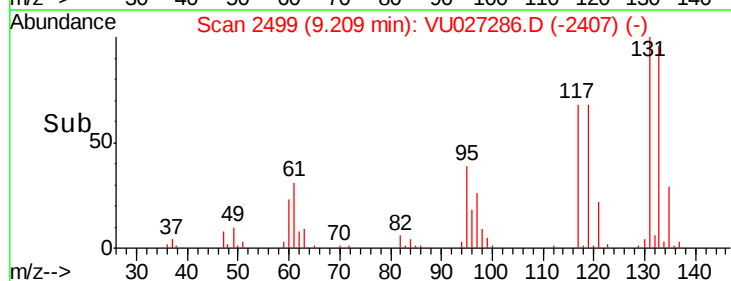
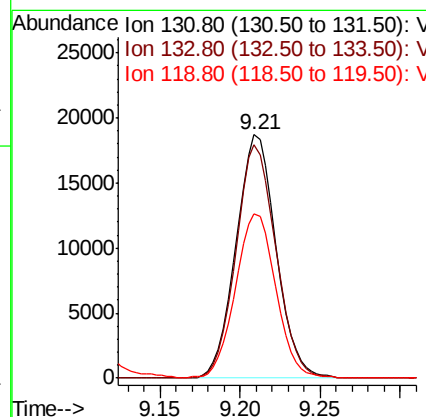
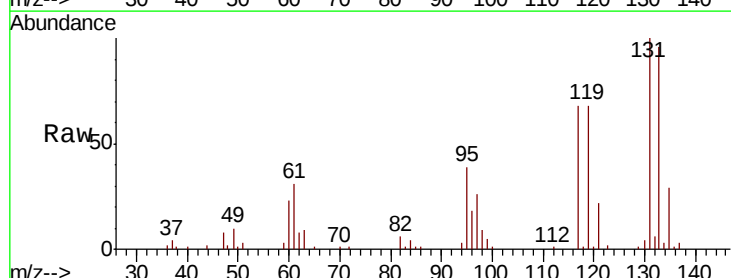
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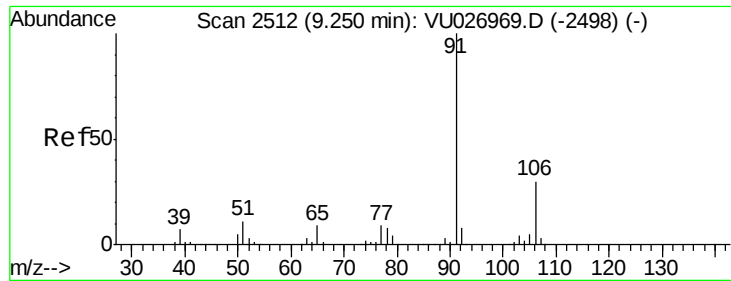
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.624 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion:131 Resp: 31833
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.2
119 68.2 33.4 100.1





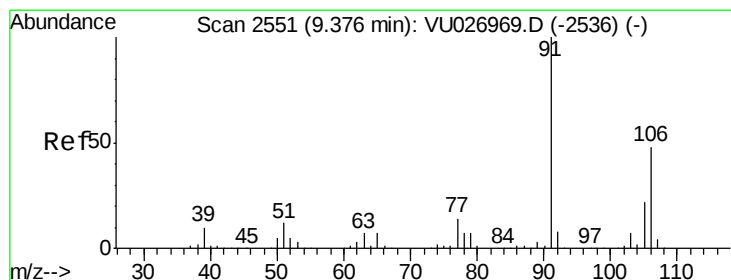
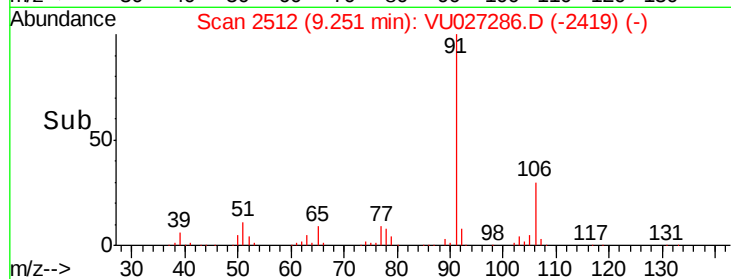
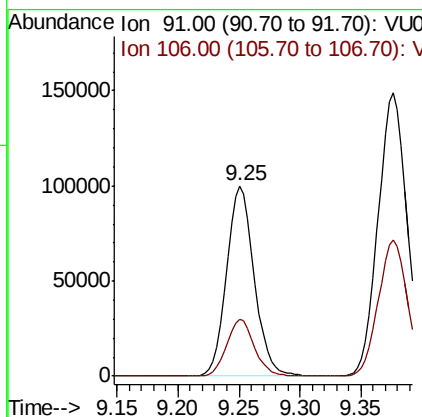
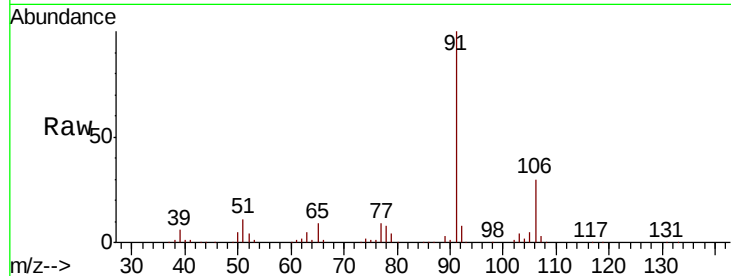
#67
Ethyl Benzene
Concen: 22.591 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion: 91 Resp: 158767
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

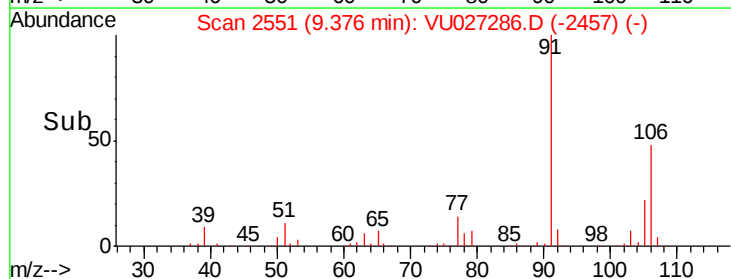
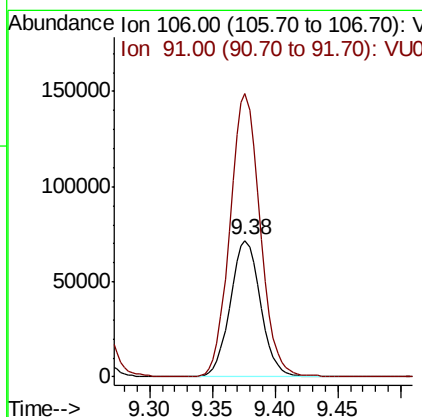
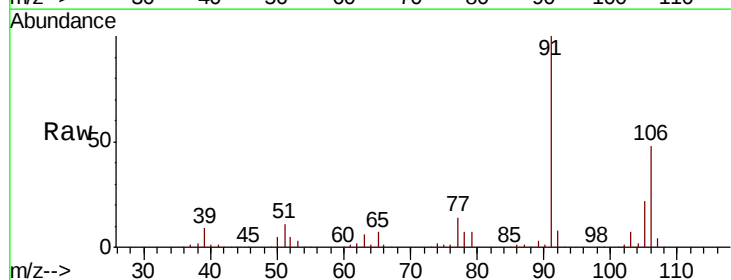
Manual Integrations
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#68
m/p-Xylenes
Concen: 43.102 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion: 106 Resp: 120213
Ion Ratio Lower Upper
106 100
91 206.3 166.5 249.7





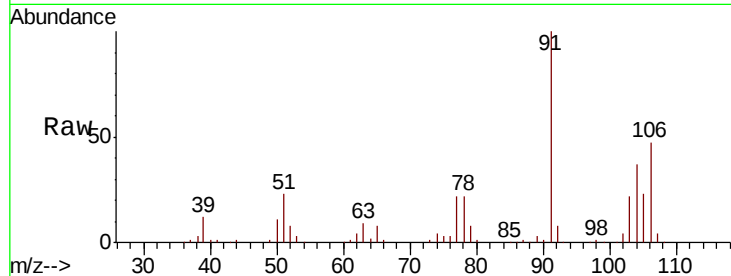
#69
o-Xylene
Concen: 23.356 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampled :
VU0928WBS03

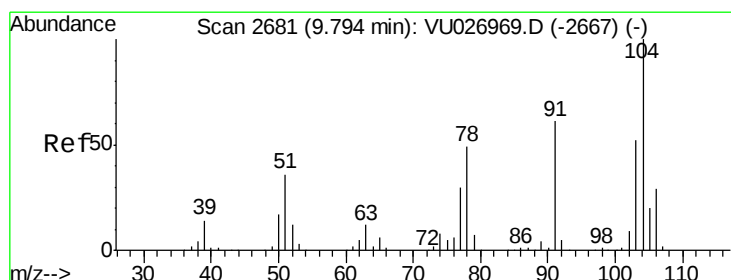
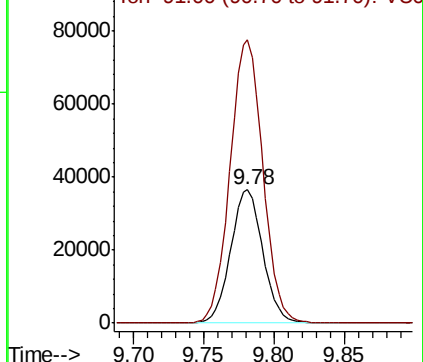
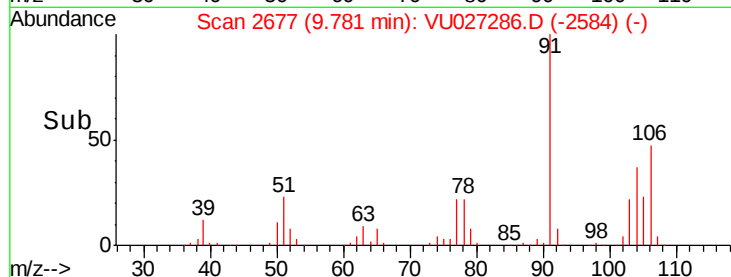
Tot Ion:106 Resp: 58160
Ion Ratio Lower Upper
106 100
91 217.1 110.2 330.6

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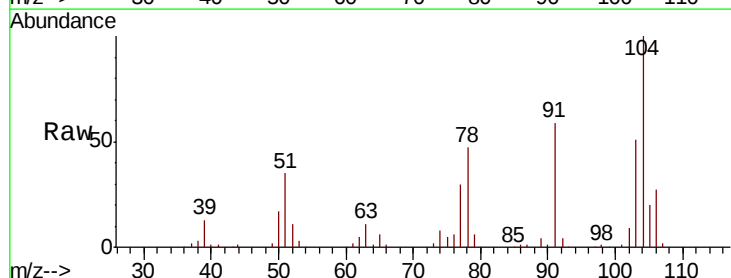


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

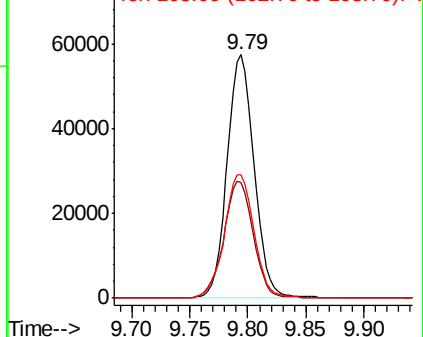
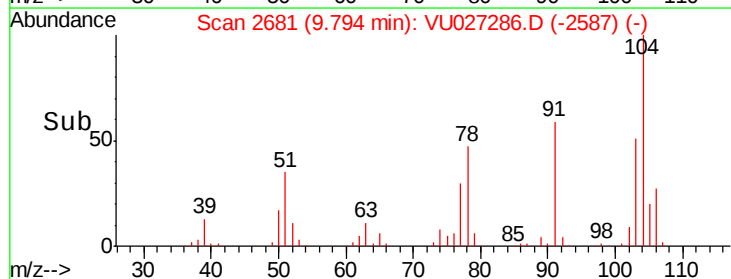


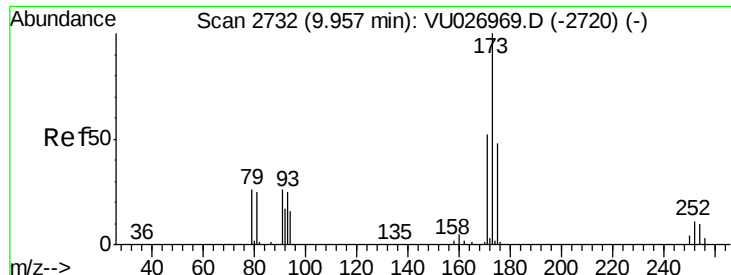
#70
Styrene
Concen: 21.055 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion:104 Resp: 92838
Ion Ratio Lower Upper
104 100
78 52.3 43.0 64.4
103 55.5 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: 21.596 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion:173 Resp: 24585

Ion Ratio Lower Upper

173 100

175 48.0 23.9 71.8

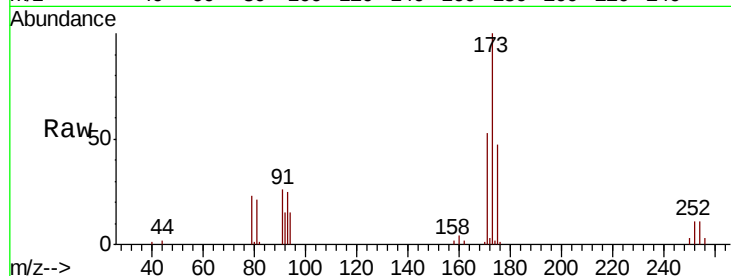
254 0.0 0.0 0.0

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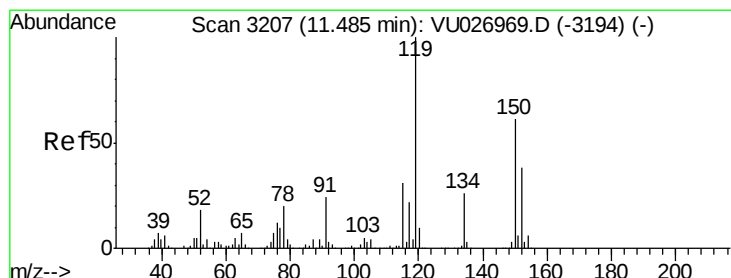
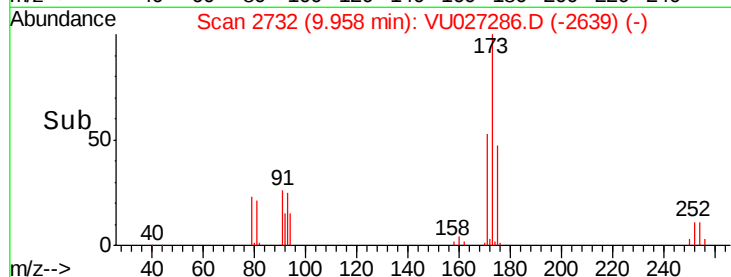
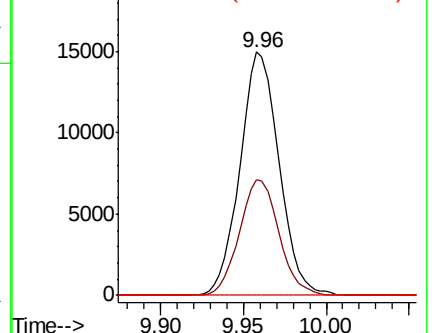
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

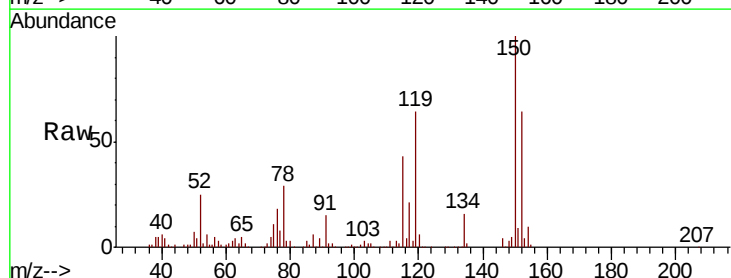
Tgt Ion:152 Resp: 86328

Ion Ratio Lower Upper

152 100

115 70.2 44.9 134.5

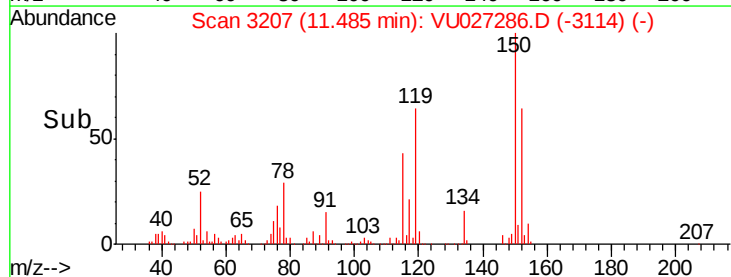
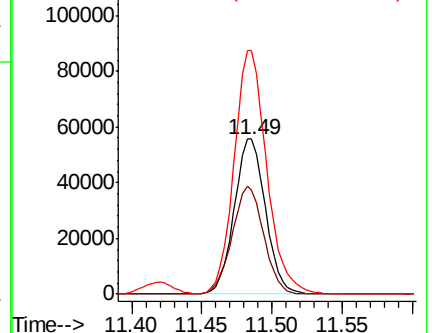
150 163.4 0.0 355.8

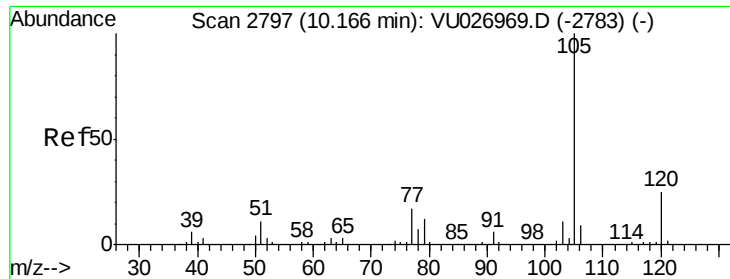


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.706 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 105 Resp: 155676

Ion Ratio Lower Upper

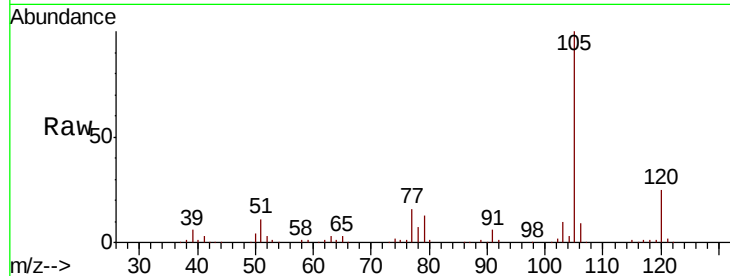
105 100

120 25.1 12.8 38.4

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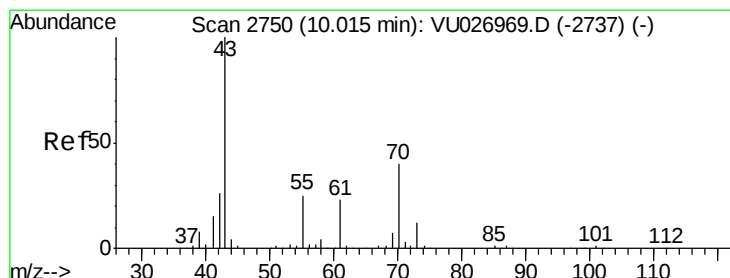
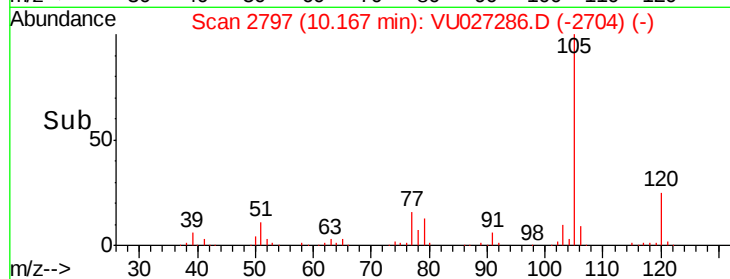
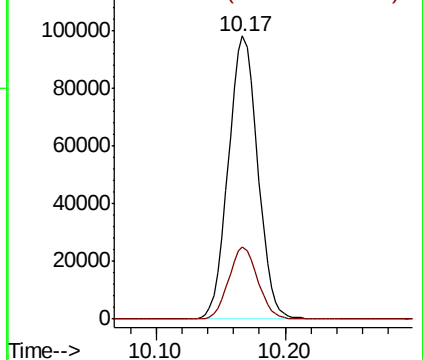
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.798 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion: 43 Resp: 82860

Ion Ratio Lower Upper

43 100

70 39.1 31.8 47.8

55 24.4 19.9 29.9

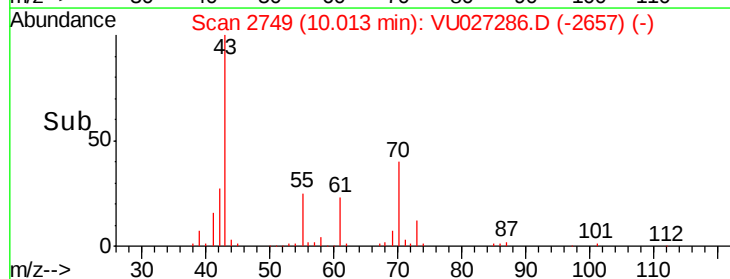
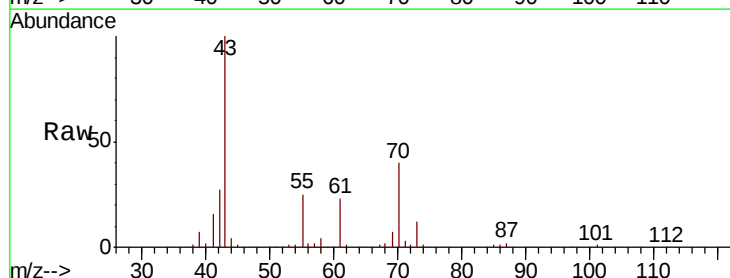
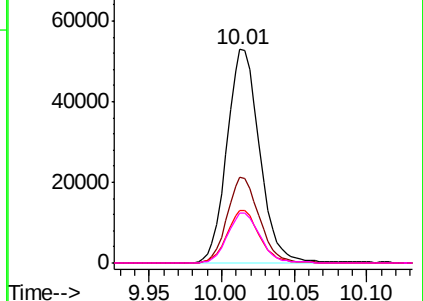
61 23.2 18.4 27.6

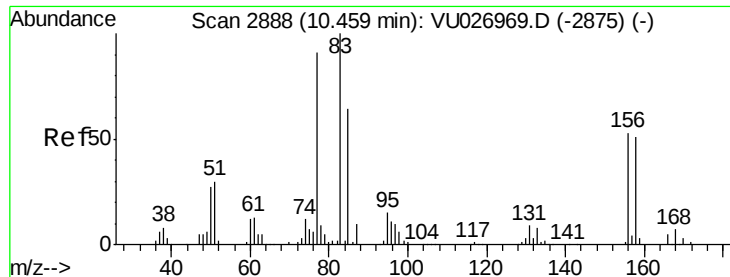
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 19.714 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

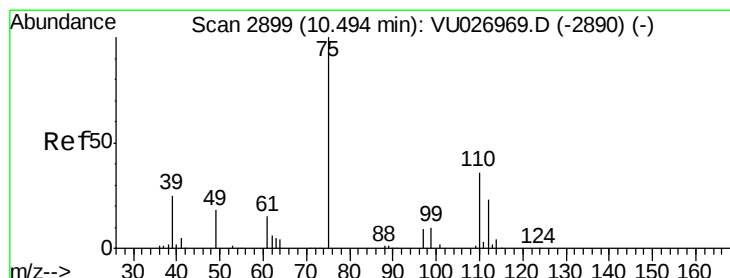
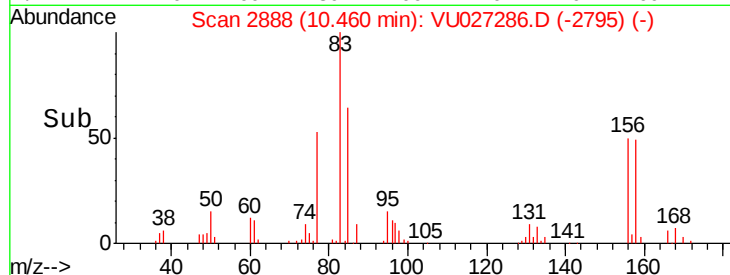
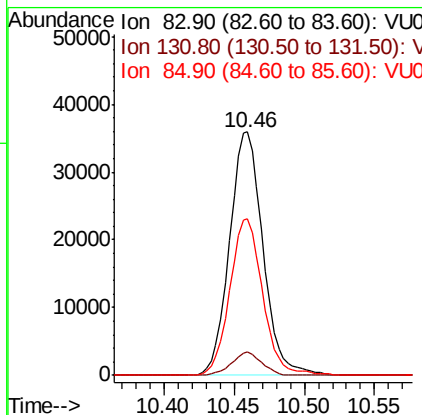
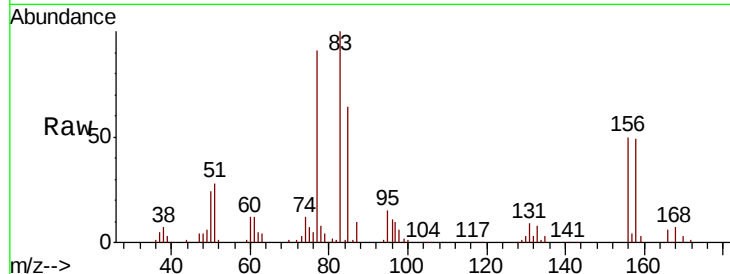
ClientSampleId :

VU0928WBS03

Tot Ion:	83	Resp:	59523
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	12.8
85	63.3	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.942 ug/l m

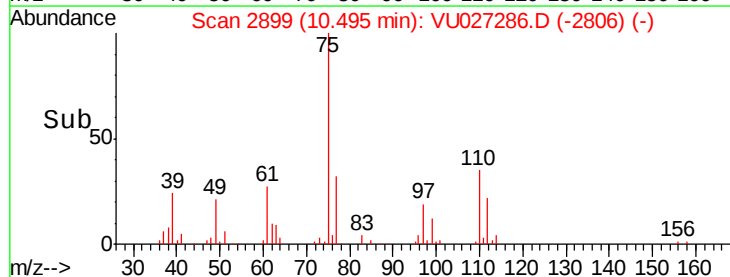
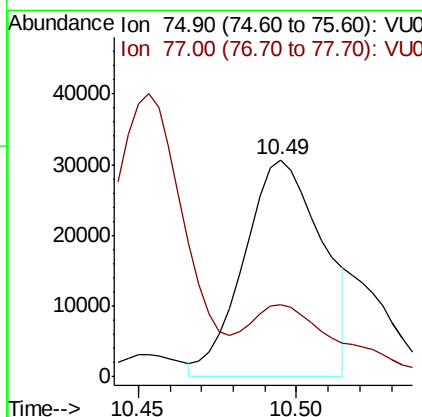
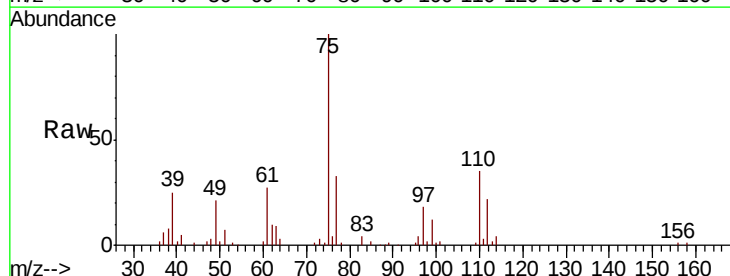
RT: 10.49 min Scan# 2899

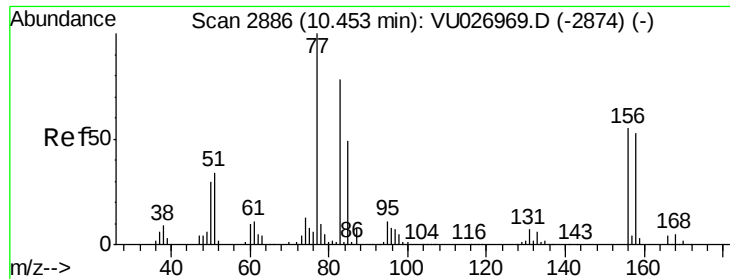
Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion:	75	Resp:	52301
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.9	62.8





#77

Bromobenzene

Concen: 22.485 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

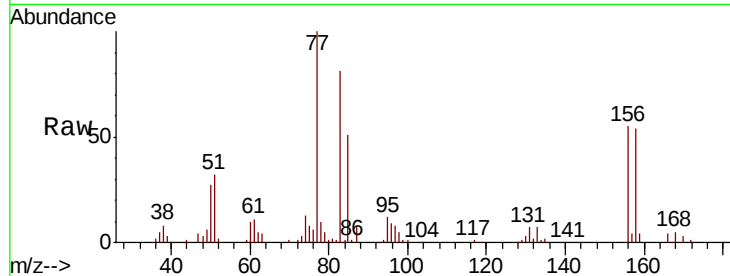
ClientSampled :

VU0928WBS03

Tot Ion:	156	Resp:	36083
Ion	Ratio	Lower	Upper
156	100		
77	182.2	92.3	276.9
158	95.6	48.1	144.3

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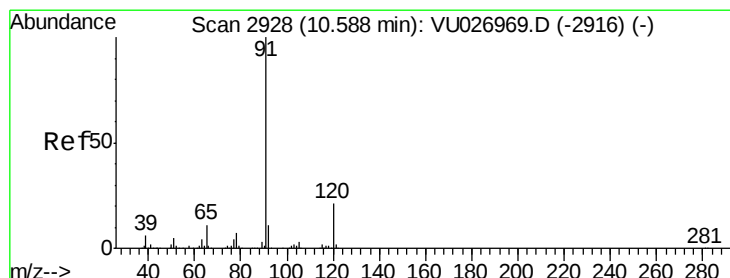
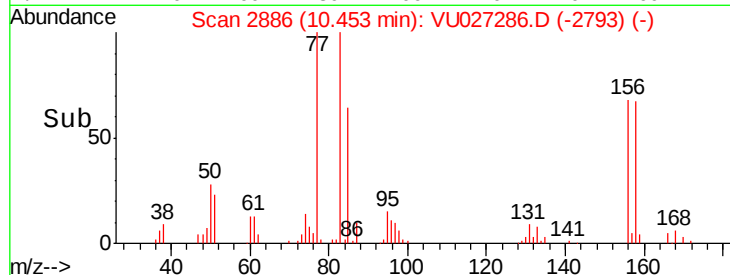
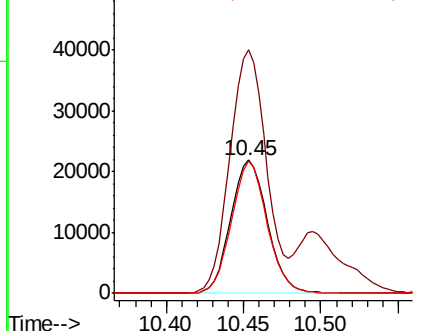
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.255 ug/l

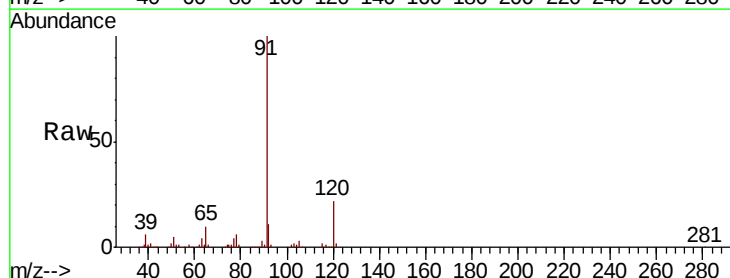
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027286.D

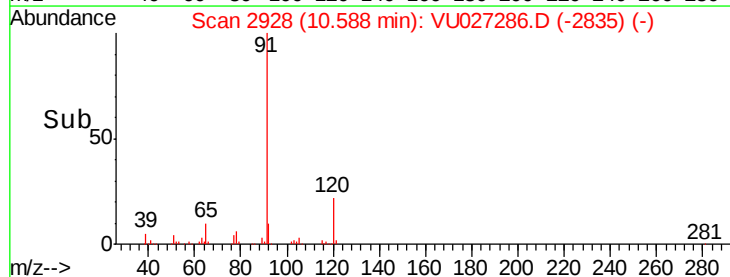
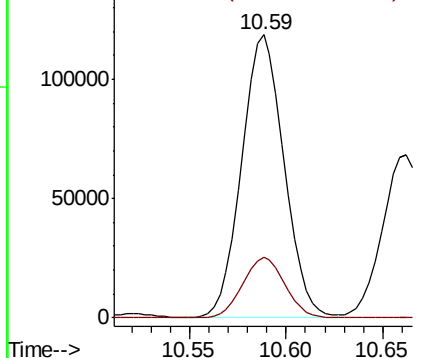
Acq: 28 Sep 2018 21:41

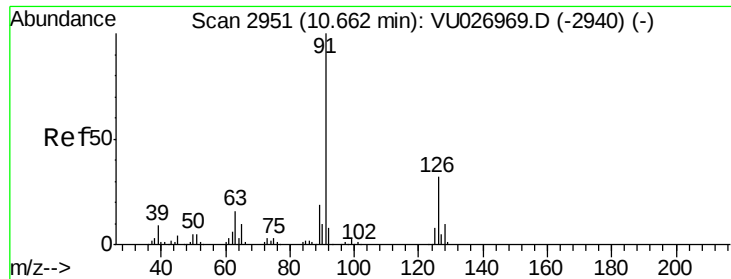
Tgt Ion:	91	Resp:	180693
Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.218 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

ClientSampleId :

VU0928WBS03

Tot Ion: 91 Resp: 108437

Ion Ratio Lower Upper

91 100

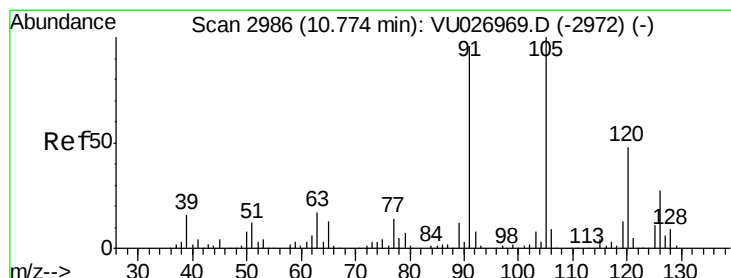
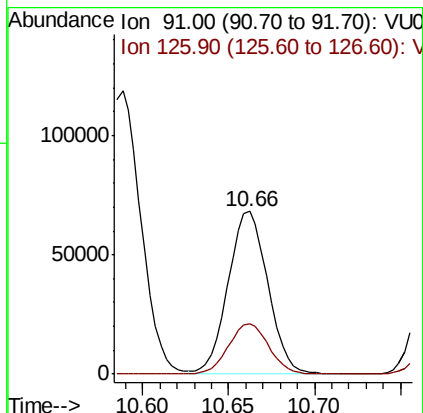
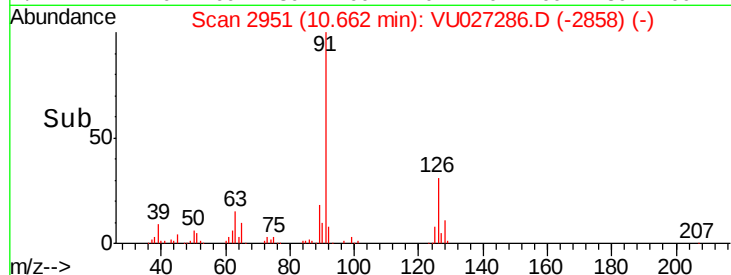
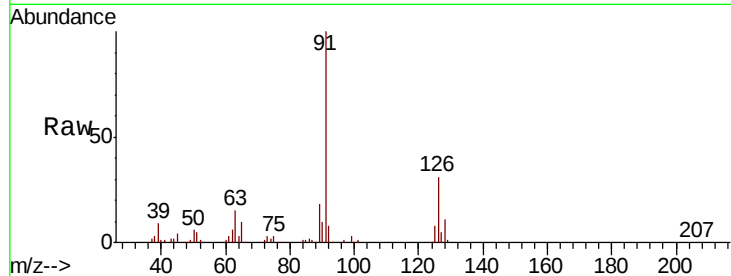
126 31.6 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.307 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027286.D

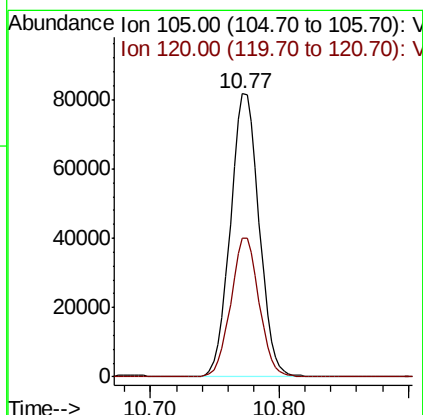
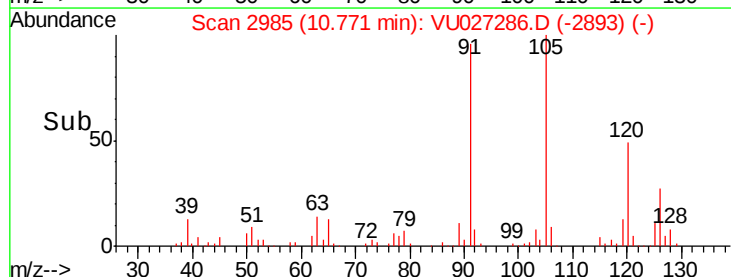
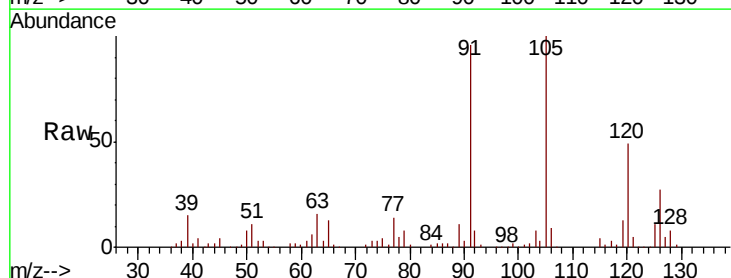
Acq: 28 Sep 2018 21:41

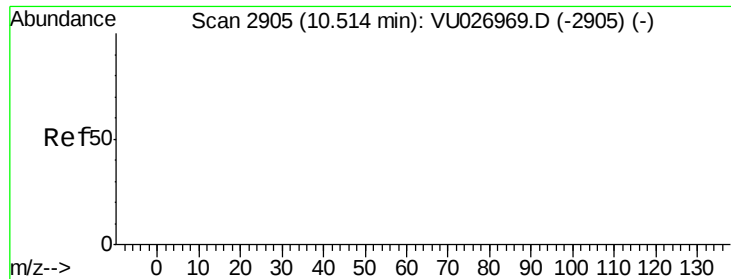
Tgt Ion: 105 Resp: 126341

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.467 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Instrument :

MSVOA_U

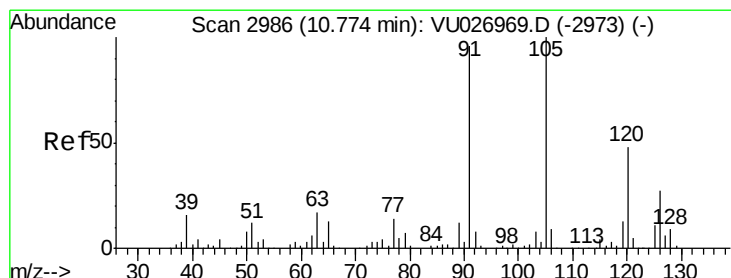
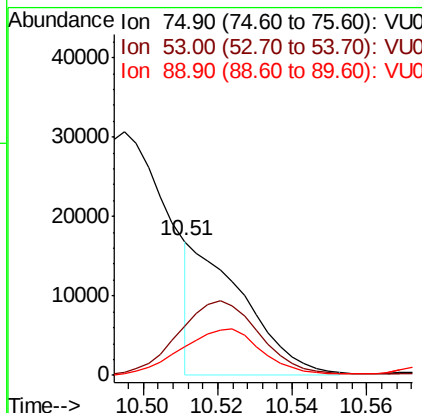
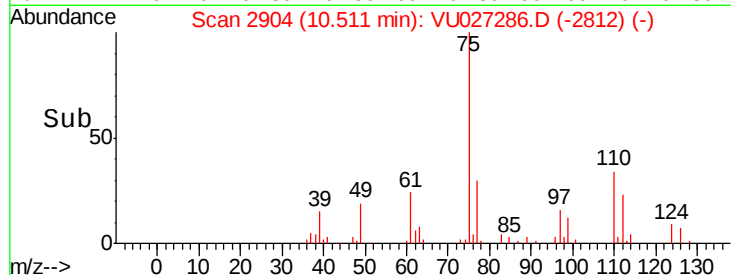
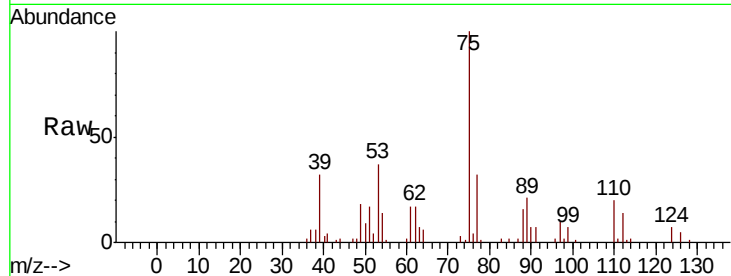
ClientSampleId :

VU0928WBS03

Tot Ion:	75	Resp:	16773
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.471 ug/l

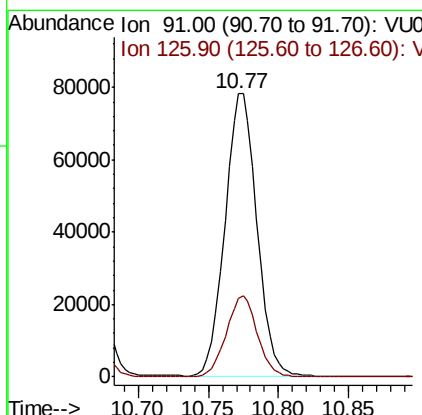
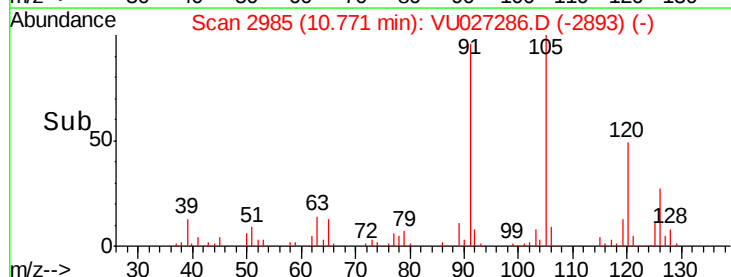
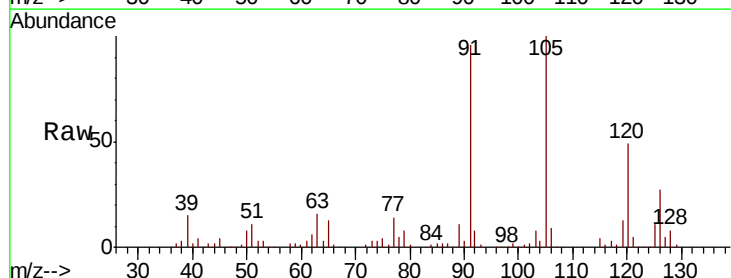
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027286.D

Acq: 28 Sep 2018 21:41

Tgt Ion:	91	Resp:	122972
Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.2





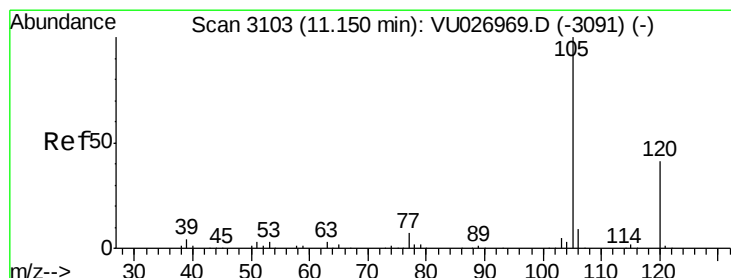
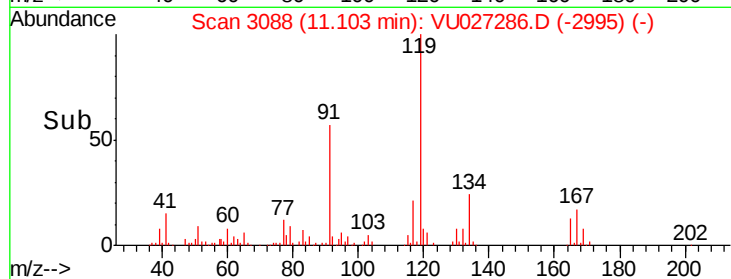
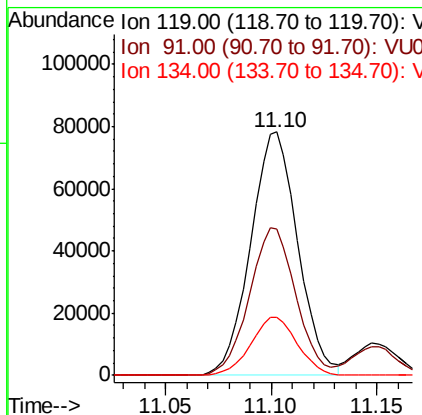
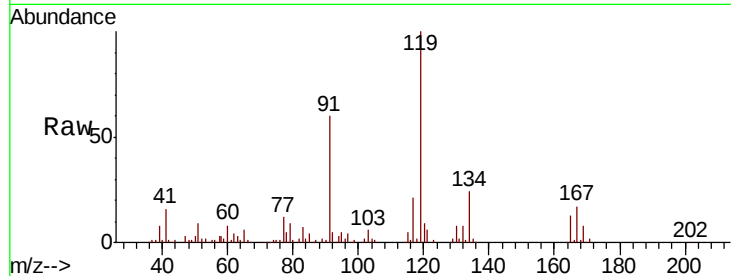
#83
 tert-Butylbenzene
 Concen: 22.692 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121614		
91	59.8	29.8	89.4	
134	23.5	11.5	34.4	

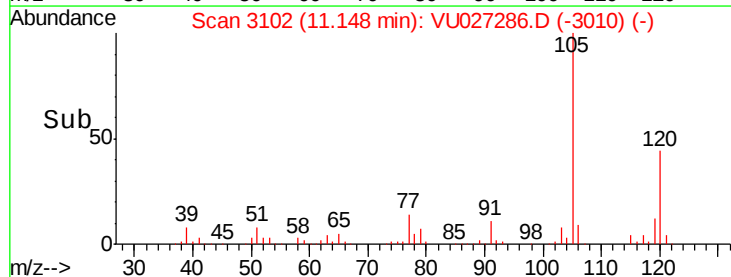
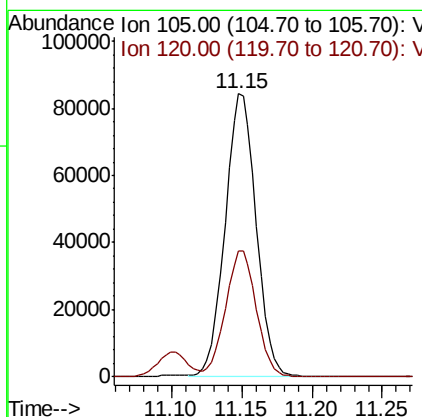
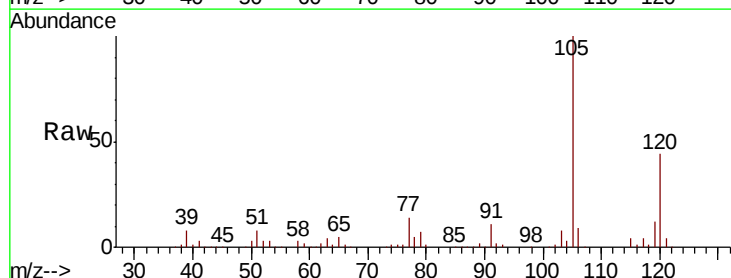
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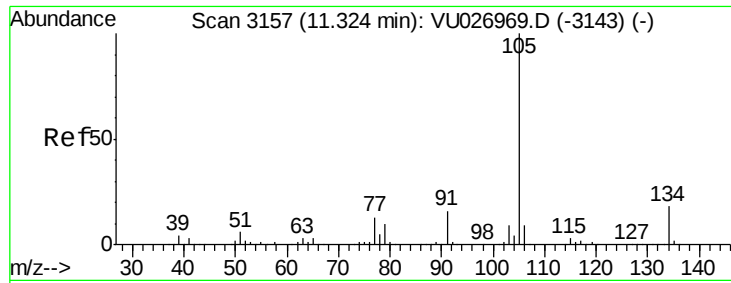
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.503 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	129659		
120	44.1	22.4	67.2	





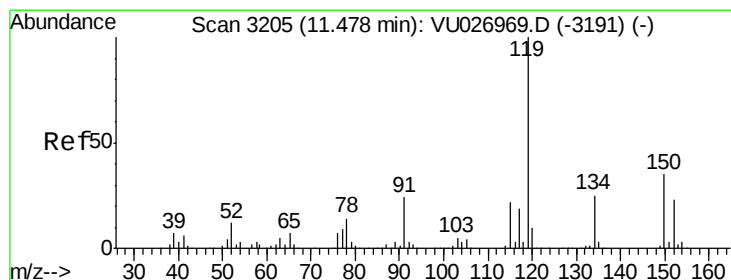
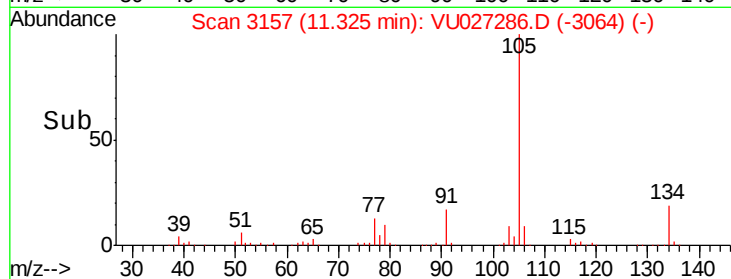
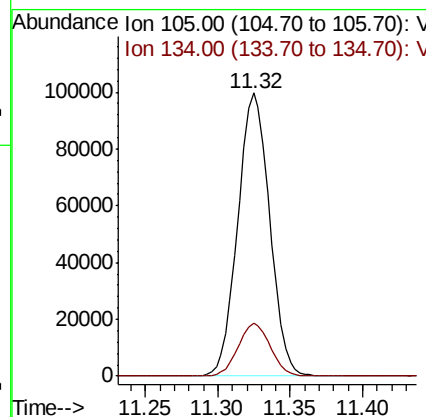
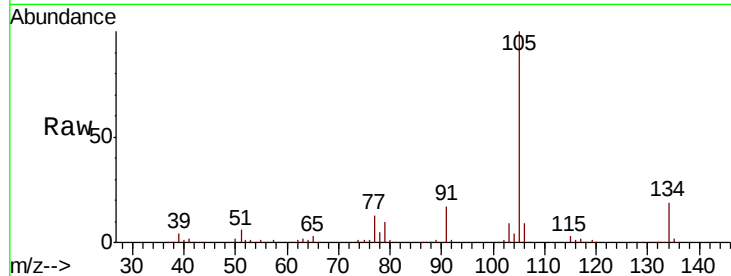
#85
 sec-Butylbenzene
 Concen: 23.263 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.4	28.2

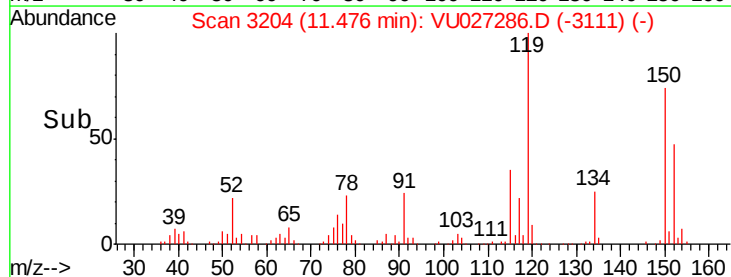
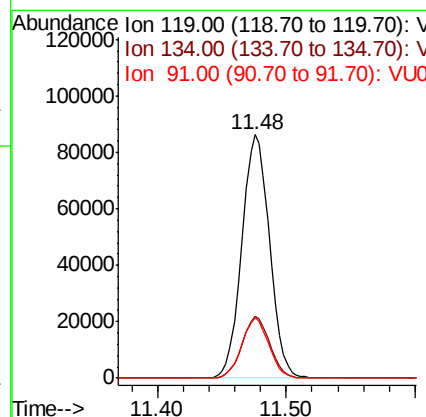
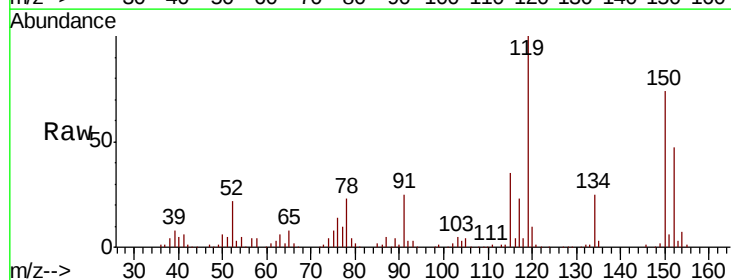
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 21.508 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.3
91	24.3	12.3	36.8





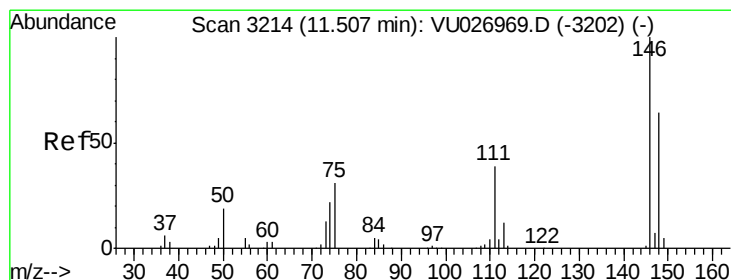
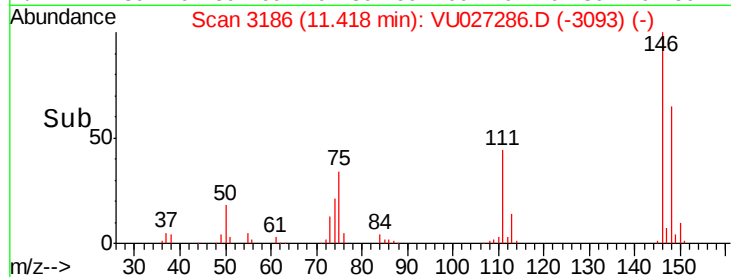
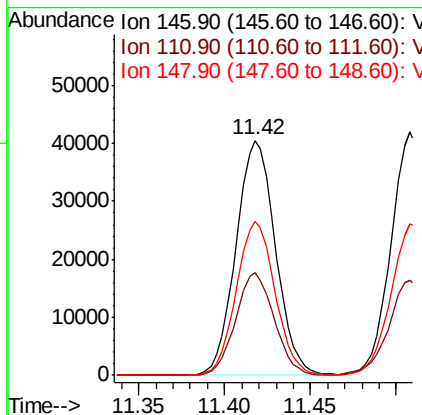
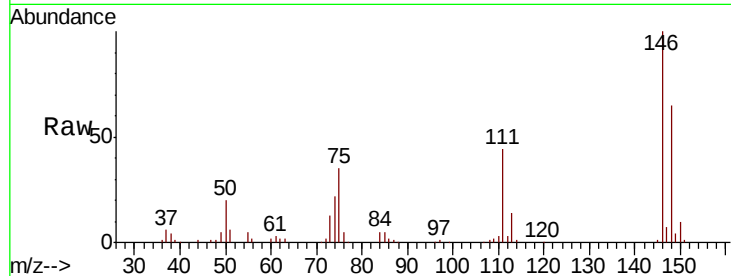
#87
 1,3-Dichlorobenzene
 Concen: 21.617 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.2
148	64.3	32.0	96.2

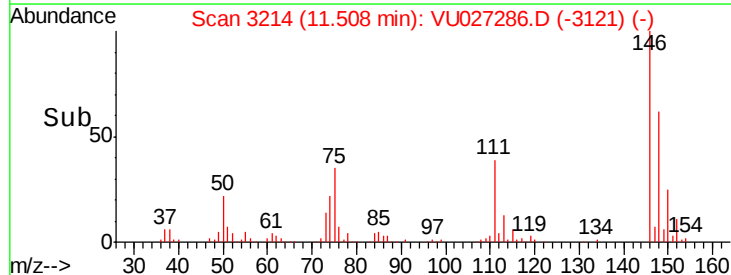
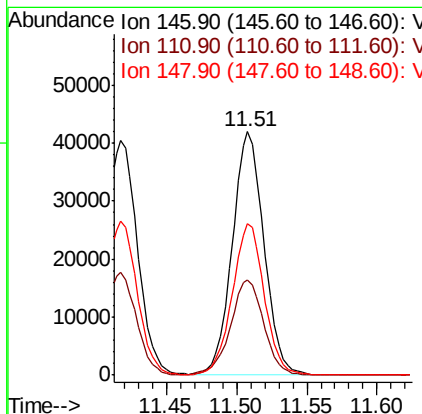
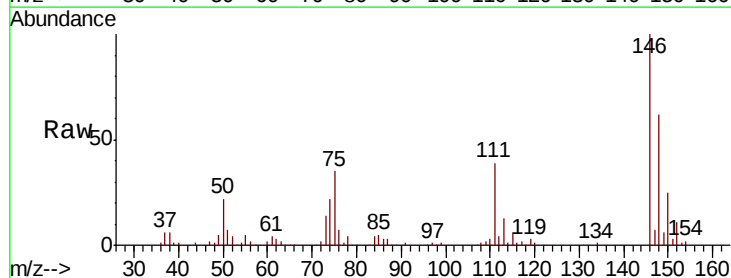
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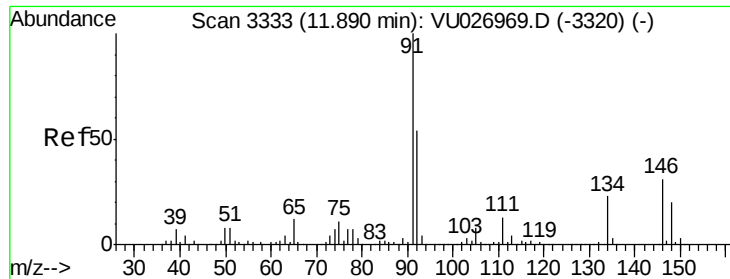
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#88
 1,4-Dichlorobenzene
 Concen: 20.262 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.9
148	63.1	31.9	95.9





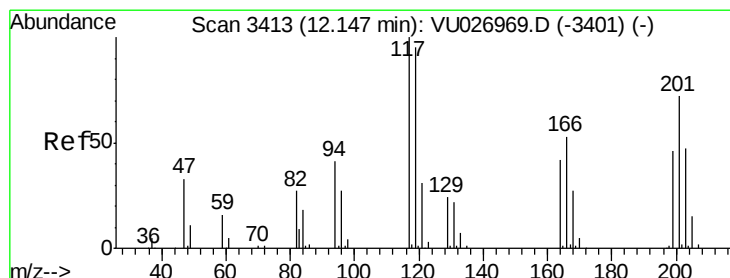
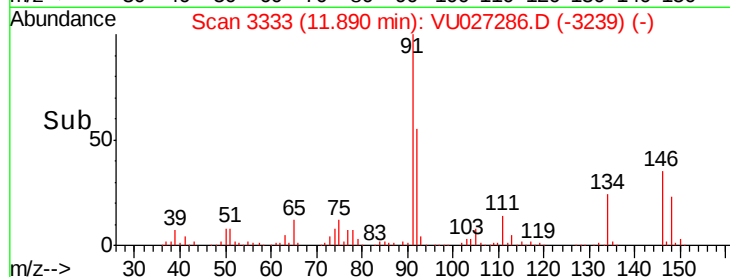
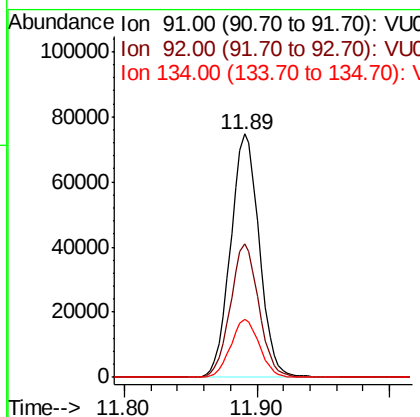
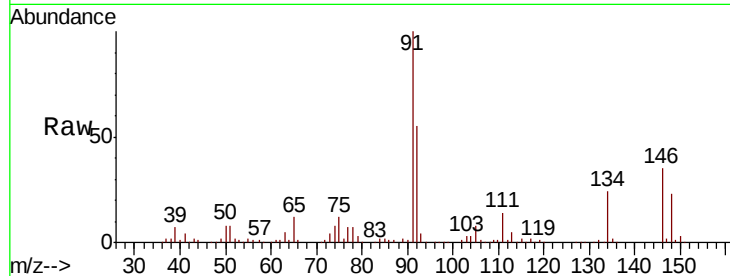
#89
n-Butylbenzene
Concen: 20.337 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	112151		
92	54.2	27.1	81.2	
134	23.8	11.7	35.0	

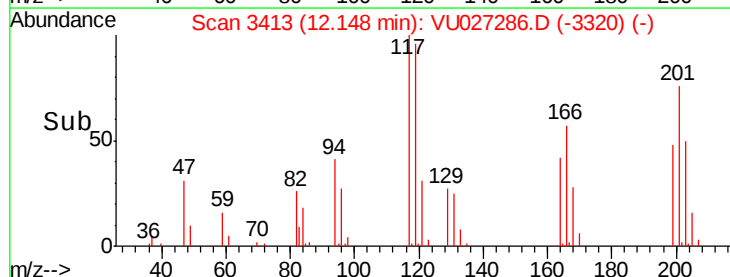
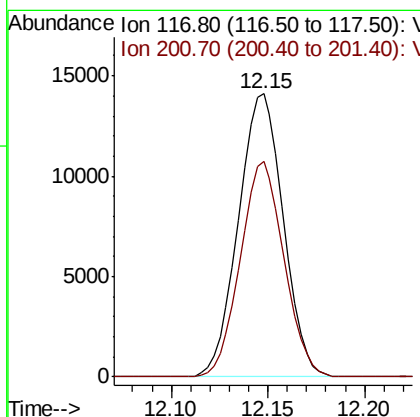
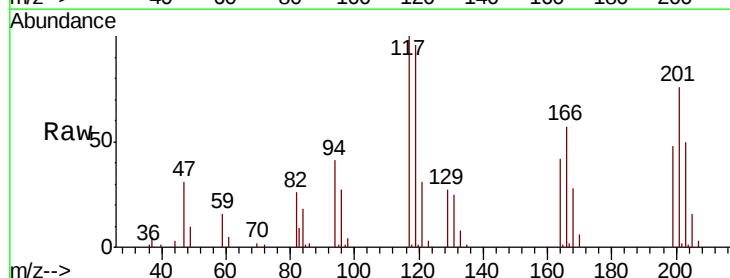
Manual Integrations
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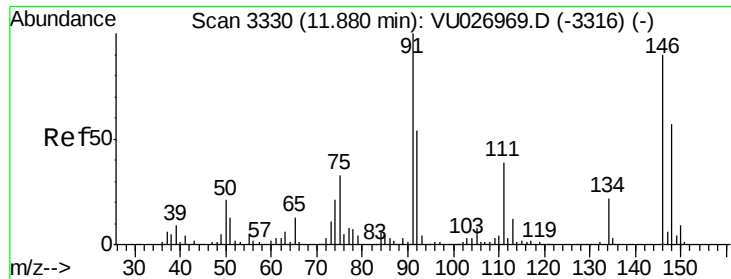
MMDadoda
10/2/2018 1:08:22 PM



#90
Hexachloroethane
Concen: 19.131 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22759		
201	74.0	36.8	110.3	





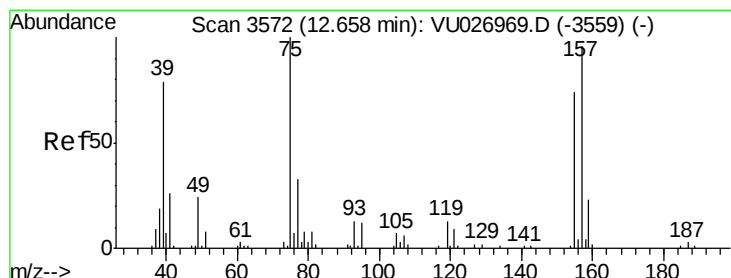
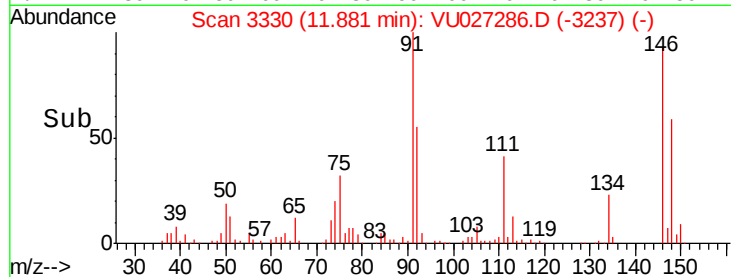
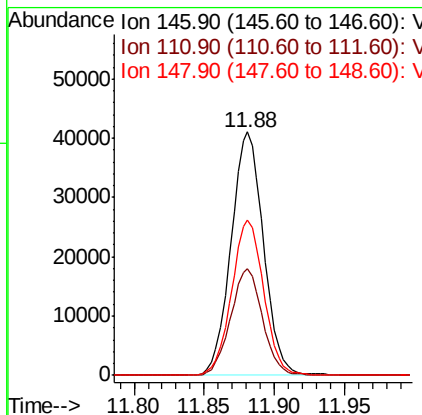
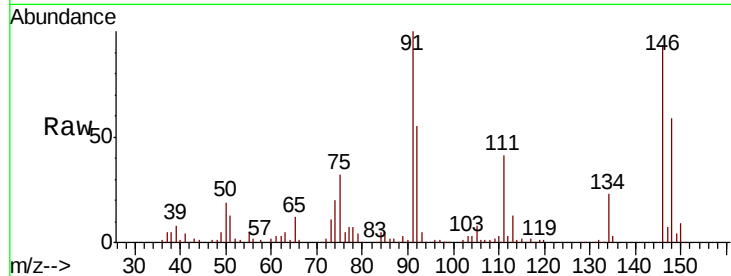
#91
 1,2-Dichlorobenzene
 Concen: 20.778 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	63.2	31.9	95.7

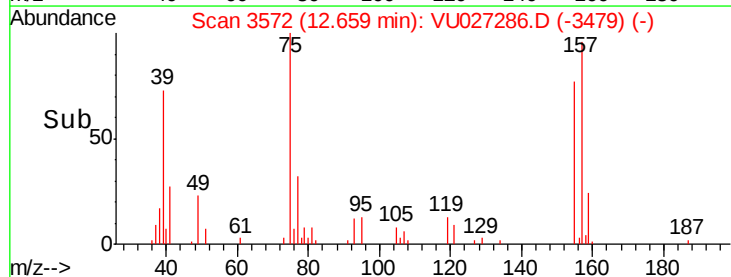
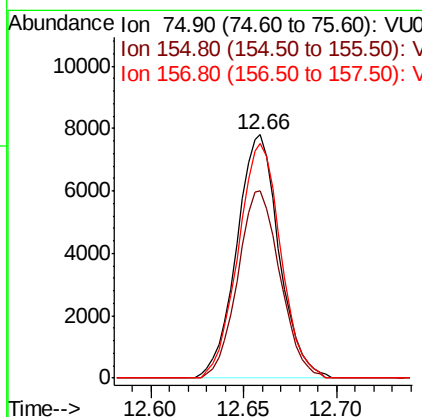
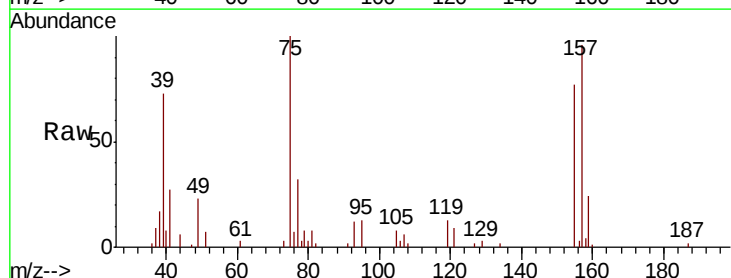
Manual Integrations
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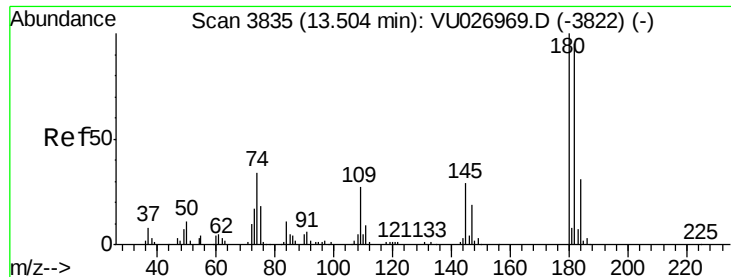
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.078 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	36.6	109.8
157	96.9	47.4	142.2





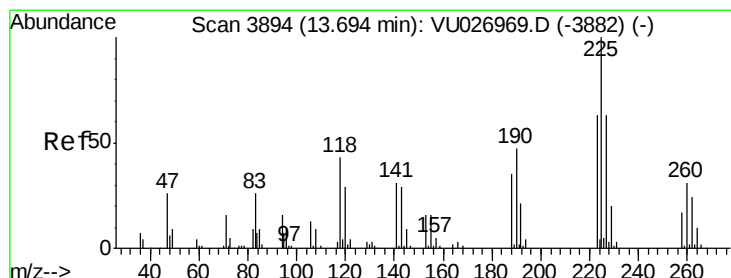
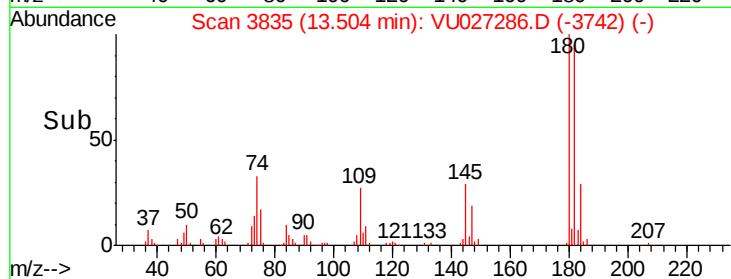
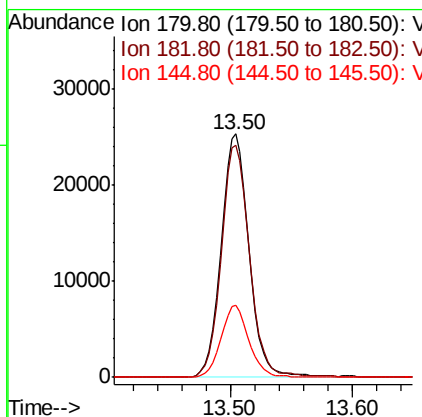
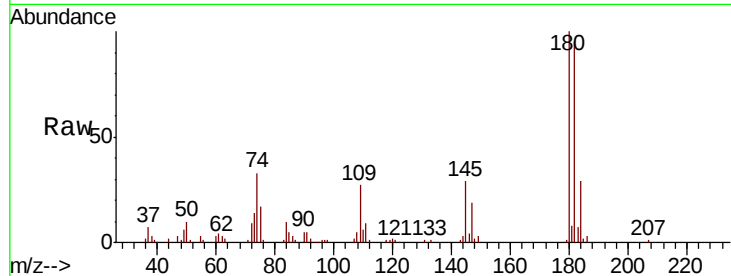
#93
 1,2,4-Trichlorobenzene
 Concen: 22.267 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.4	142.2
145	29.4	14.9	44.5

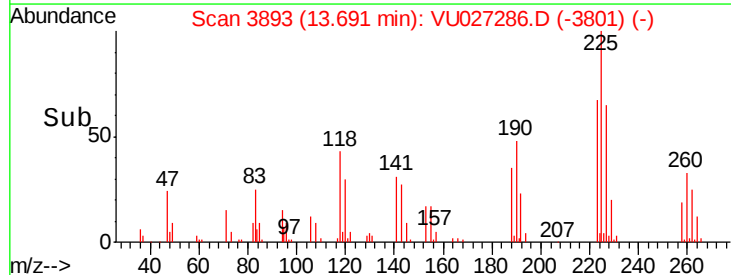
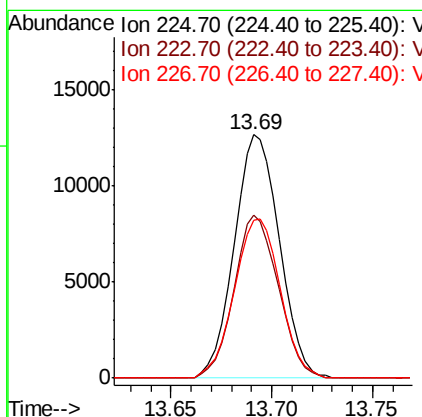
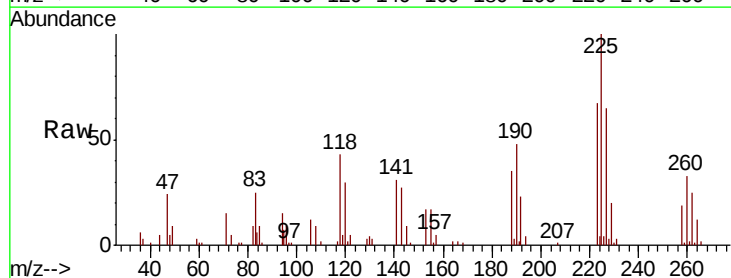
Manual Integrations
 APPROVED

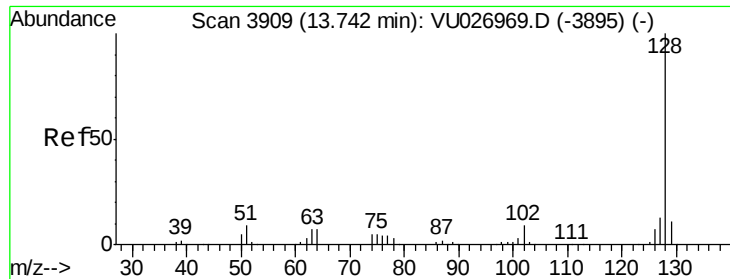
MMDadoda
 10/2/2018 1:08:22 PM



#94
 Hexachlorobutadiene
 Concen: 20.487 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027286.D
 Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	31.9	95.7
227	66.5	32.1	96.5





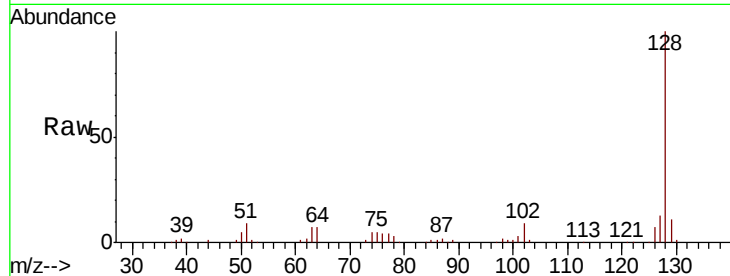
#95
Naphthalene
Concen: 20.750 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Instrument :
MSVOA_U
ClientSampleId :
VU0928WBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	140997		
127	13.0		10.6	15.8
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:08:22 PM

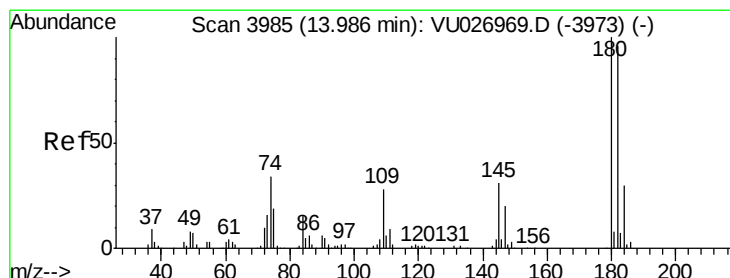
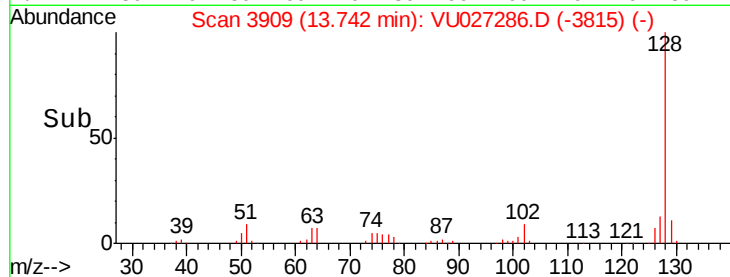
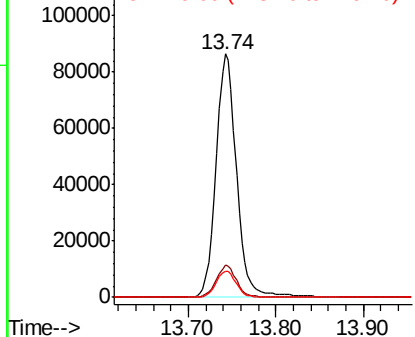


Abundance

Ion 128.00 (127.70 to 128.70): V

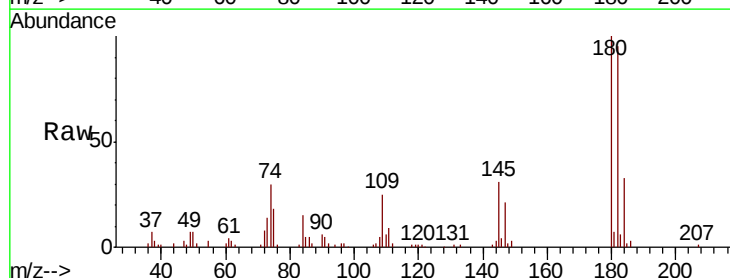
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.638 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027286.D
Acq: 28 Sep 2018 21:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	42417		
182	96.7		47.5	142.5
145	31.9		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

