

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027307.D
 Acq On : 29 Sep 2018 05:48
 Operator : MD/SY
 Sample : J5135-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:31 PM

Quant Time: Oct 01 04:02:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	82145	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	4.88	113	58298	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	
50) Toluene-d8	7.57	98	215245	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	10.31	95	80393	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53346	51.630	ug/l	98
3) Chloromethane	1.33	50	82503	46.313	ug/l	100
4) Vinyl Chloride	1.40	62	83125	49.989	ug/l	99
5) Bromomethane	1.62	94	58286	61.552	ug/l	100
6) Chloroethane	1.69	64	48783	45.915	ug/l	99
7) Trichlorofluoromethane	1.88	101	90987	48.177	ug/l	97
8) Diethyl Ether	2.10	74	43674	48.043	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53539	46.104	ug/l	98
10) Methyl Iodide	2.41	142	43481	30.190	ug/l	98
11) Tert butyl alcohol	2.83	59	94359	258.466	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52214	47.771	ug/l	95
13) Acrolein	2.20	56	25792	131.058	ug/l	100
14) Allyl chloride	2.59	41	123656	55.780	ug/l	96
15) Acrylonitrile	2.94	53	247079	268.528	ug/l	99
16) Acetone	2.32	43	214136	253.318	ug/l	98
17) Carbon Disulfide	2.48	76	177399	49.822	ug/l	99
18) Methyl Acetate	2.62	43	124268	54.816	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	223757	55.709	ug/l	99
20) Methylene Chloride	2.70	84	69488	48.714	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	60200	51.587	ug/l	99
22) Diisopropyl ether	3.57	45	271372	57.231	ug/l	98
23) Vinyl Acetate	3.53	43	1049430	259.637	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138698	53.110	ug/l	99
25) 2-Butanone	4.26	43	346275	258.696	ug/l	99
26) 2,2-Dichloropropane	4.23	77	83756	41.124	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	69596	52.809	ug/l	99
28) Bromochloromethane	4.55	49	69342	55.082	ug/l	97
29) Tetrahydrofuran	4.64	42	229854	283.866	ug/l	97
30) Chloroform	4.67	83	125410	51.734	ug/l	100
31) Cyclohexane	5.00	56	127545	53.771	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	103184	53.312	ug/l	98
36) 1,1-Dichloropropene	5.14	75	93164	48.970	ug/l	99
37) Ethyl Acetate	4.38	43	121148	47.039	ug/l	98
38) Carbon Tetrachloride	5.14	117	85895	47.444	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105835	51.191	ug/l	98
40) Benzene	5.39	78	283035	48.938	ug/l	99
41) Methacrylonitrile	4.54	41	73944	55.283	ug/l	96
42) 1,2-Dichloroethane	5.40	62	108361	49.591	ug/l	99
43) Isopropyl Acetate	5.55	43	189219	50.378	ug/l	100
44) Trichloroethene	6.19	130	59433	48.270	ug/l	95
45) 1,2-Dichloropropane	6.43	63	82890	50.300	ug/l	98
46) Dibromomethane	6.56	93	48299	48.529	ug/l	98
47) Bromodichloromethane	6.76	83	97317	48.357	ug/l	97
48) Methyl methacrylate	6.62	41	102049	49.920	ug/l	99
49) 1,4-Dioxane	6.61	88	36095	888.866	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	660878	261.617	ug/l	99
52) Toluene	7.64	92	167255	50.452	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	109455	50.622	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	115546	48.601	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	69061	49.164	ug/l	99
56) Ethyl methacrylate	8.02	69	116758	47.997	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130373	49.901	ug/l	100
59) 2-Hexanone	8.36	43	503127	254.439	ug/l	100
60) Dibromochloromethane	8.48	129	68558	49.757	ug/l	99
61) 1,2-Dibromoethane	8.59	107	72324	49.485	ug/l	99
64) Tetrachloroethene	8.23	164	48958	46.776	ug/l	98
65) Chlorobenzene	9.12	112	172792	47.978	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	62517	50.398	ug/l	99
67) Ethyl Benzene	9.25	91	316232	53.398	ug/l	99
68) m/p-Xylenes	9.38	106	235574	98.248	ug/l	99
69) o-Xylene	9.78	106	112416	53.575	ug/l	97
70) Stvrene	9.79	104	186960	47.802	ug/l	100
71) Bromoform	9.96	173	48566	50.628	ug/l #	98
73) Isopropylbenzene	10.17	105	305264	54.445	ug/l	100
74) N-amyl acetate	10.02	43	161180	49.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119609	46.399	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	106446m	47.538	ug/l	
77) Bromobenzene	10.45	156	69541	50.755	ug/l	97
78) n-propylbenzene	10.59	91	361334	54.466	ug/l	100
79) 2-Chlorotoluene	10.66	91	214235	51.411	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	252110	54.472	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	26791m	38.289	ug/l	
82) 4-Chlorotoluene	10.77	91	248596	53.204	ug/l	99
83) tert-Butylbenzene	11.10	119	243739	53.267	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	255101	54.160	ug/l	100
85) sec-Butylbenzene	11.32	105	301126	53.910	ug/l	100
86) p-Isopropyltoluene	11.48	119	254611	48.605	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	127251	49.909	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	128484	46.237	ug/l	99
89) n-Butylbenzene	11.89	91	231741	45.822	ug/l	100
90) Hexachloroethane	12.15	117	47224	46.492	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	128058	47.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26148	49.721	ug/l	100
93) 1,2,4-Trichlorobenzene	13.50	180	81394	52.151	ug/l	100

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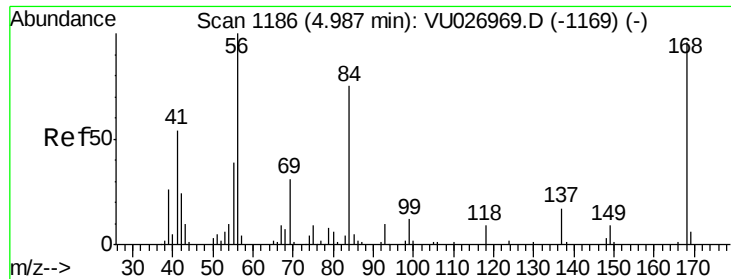
Manual Integrations
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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38225	46.288	ug/l	99
95) Naphthalene	13.74	128	293632	48.182	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84971	50.768	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion:168 Resp: 79137

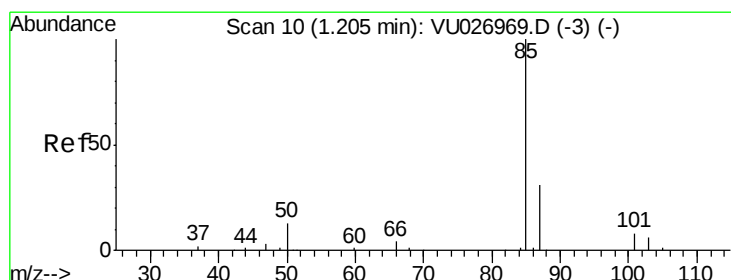
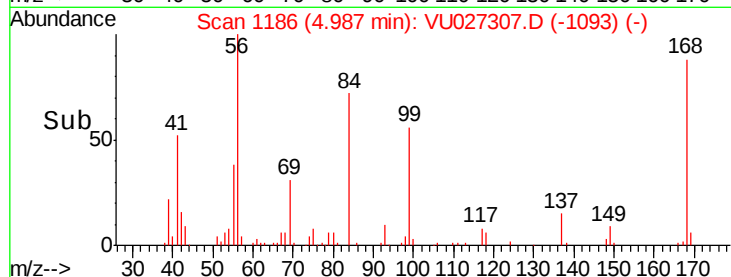
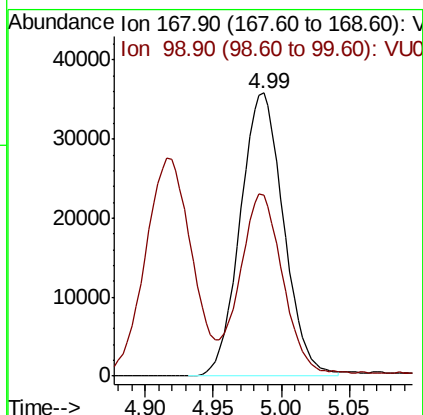
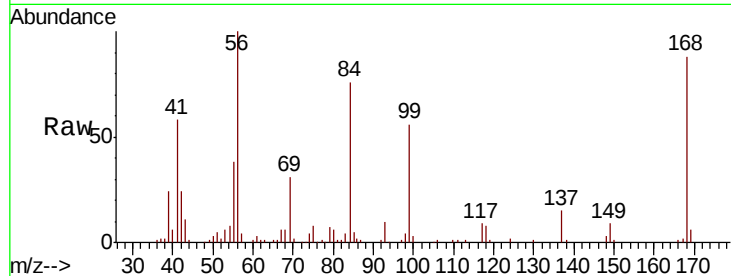
Ion Ratio Lower Upper

168 100

99 62.2 48.1 72.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 51.630 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027307.D

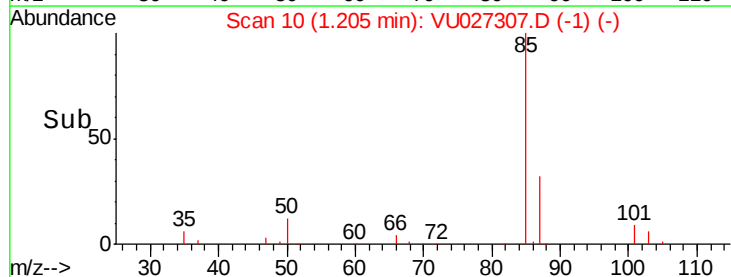
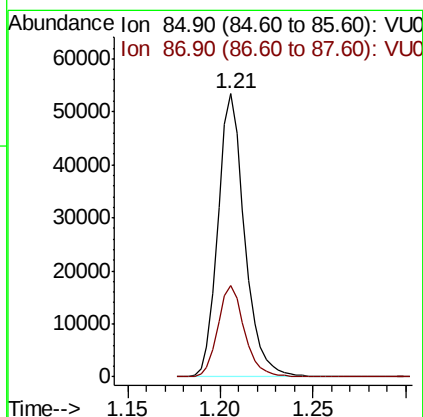
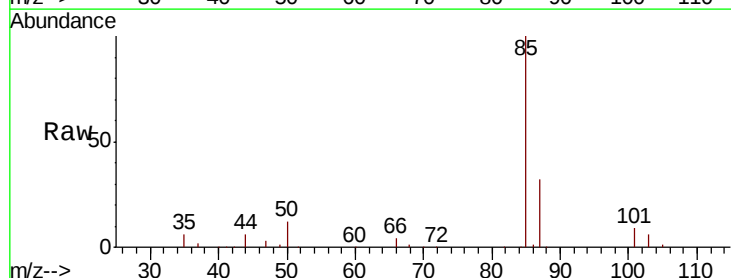
Acq: 29 Sep 2018 05:48

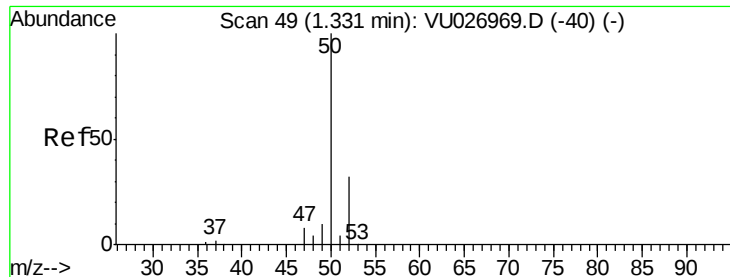
Tgt Ion: 85 Resp: 53346

Ion Ratio Lower Upper

85 100

87 32.1 15.6 46.7





#3

Chloromethane

Concen: 46.313 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 50 Resp: 82503

Ion Ratio Lower Upper

50 100

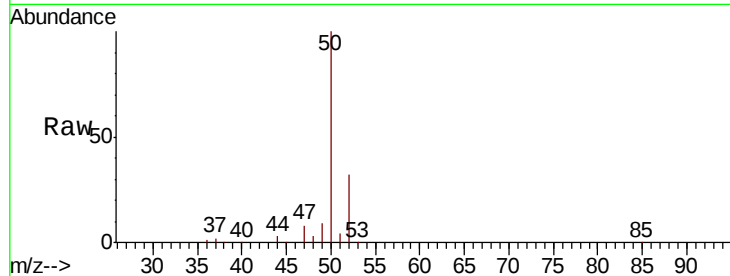
52 32.5 25.9 38.9

Manual Integrations

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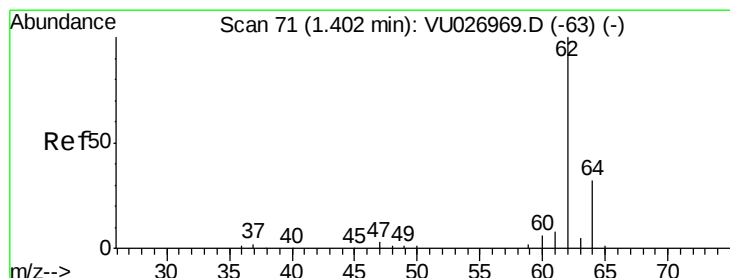
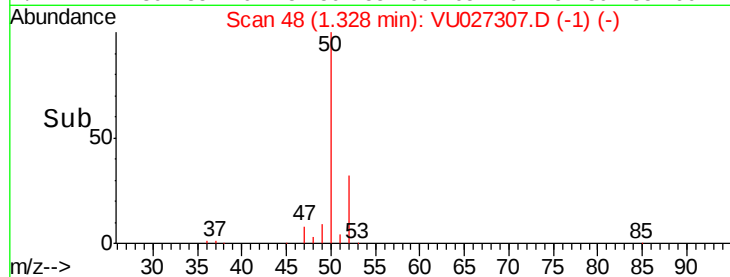
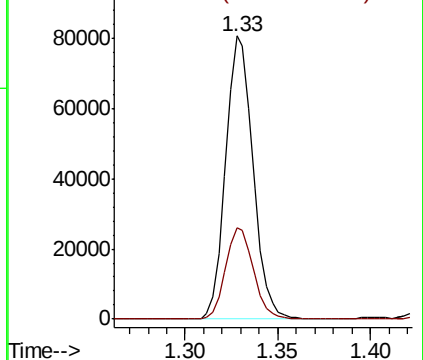
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 49.989 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027307.D

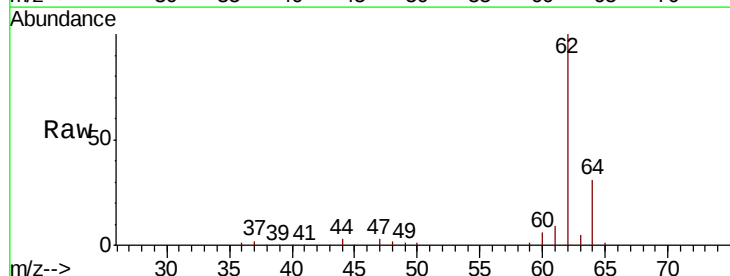
Acq: 29 Sep 2018 05:48

Tgt Ion: 62 Resp: 83125

Ion Ratio Lower Upper

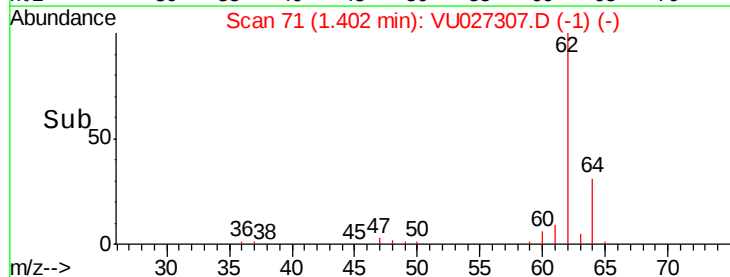
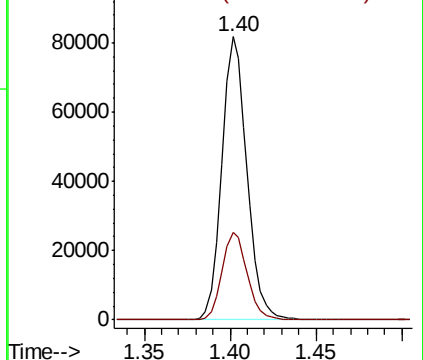
62 100

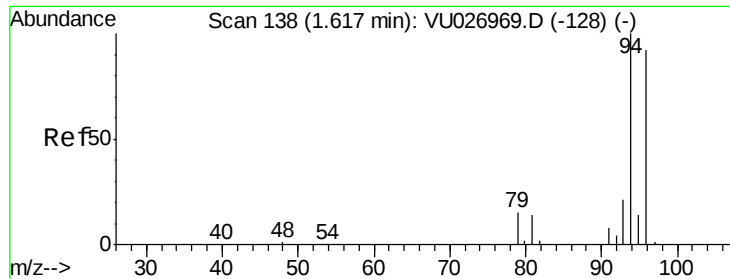
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 61.552 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 94 Resp: 58286

Ion Ratio Lower Upper

94 100

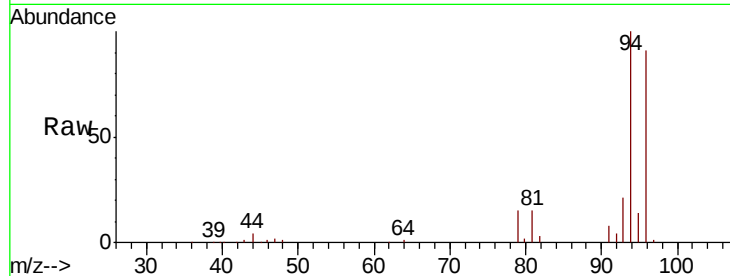
96 91.4 73.2 109.8

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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

1.62

50000

40000

30000

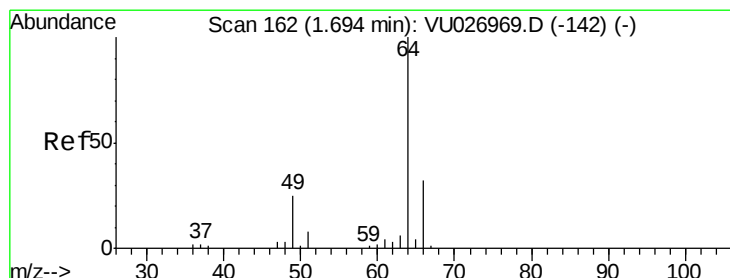
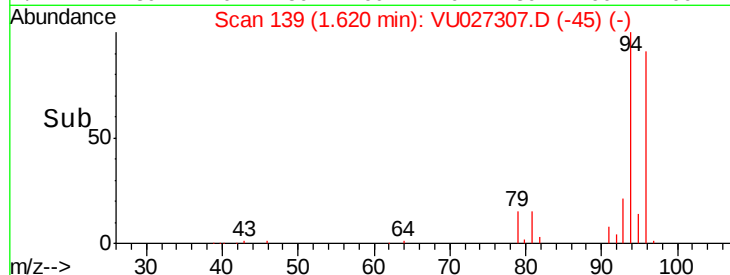
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.915 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027307.D

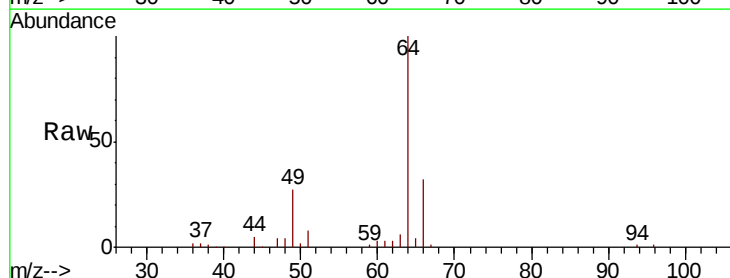
Acq: 29 Sep 2018 05:48

Tgt Ion: 64 Resp: 48783

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

40000

30000

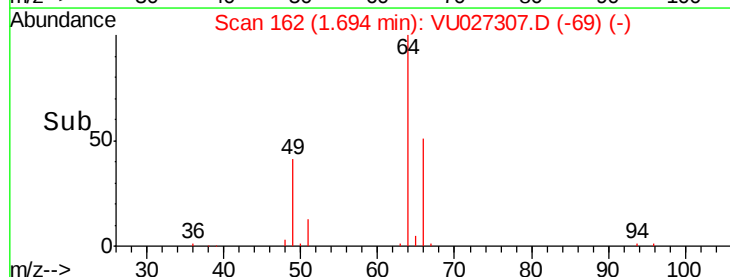
20000

10000

0

Time-->

1.65 1.70 1.75





#7

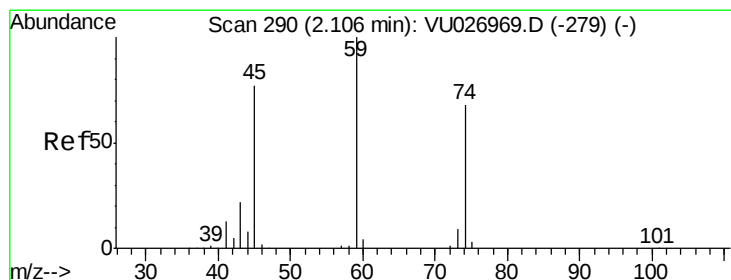
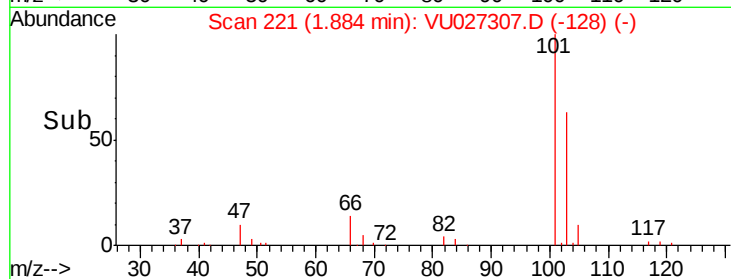
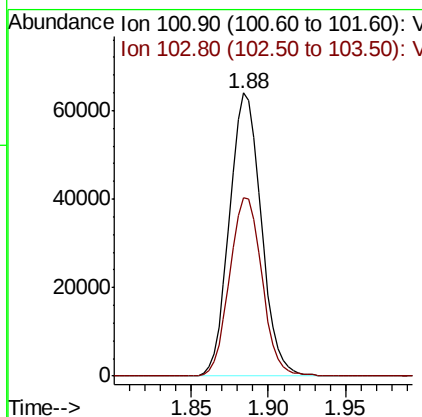
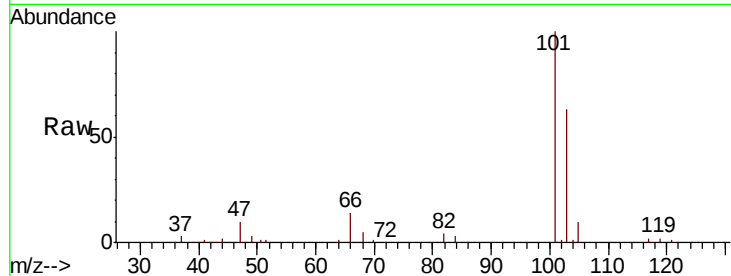
Trichlorofluoromethane
Concen: 48.177 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
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ClientSampleId :
SA-TW502-0913MS

Tot Ion:101 Resp: 90987
Ion Ratio Lower Upper
101 100
103 63.2 52.2 78.2

Manual Integrations
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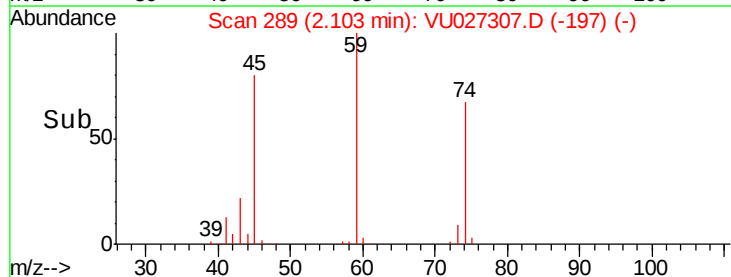
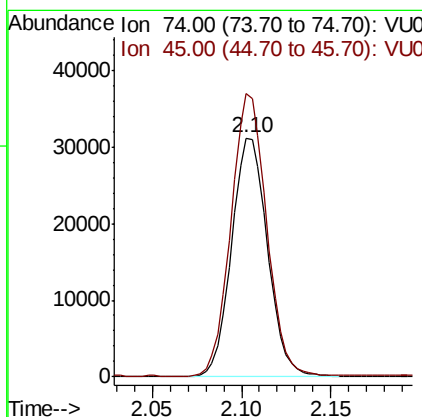
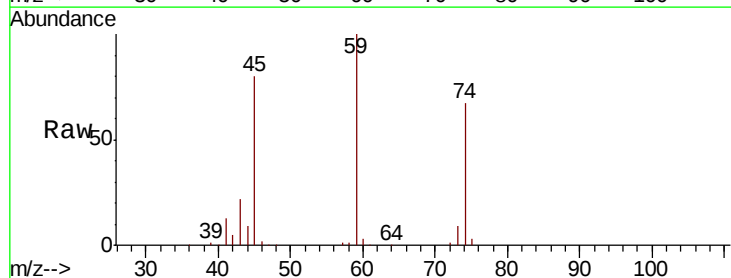
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#8

Diethyl Ether
Concen: 48.043 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 74 Resp: 43674
Ion Ratio Lower Upper
74 100
45 118.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.104 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

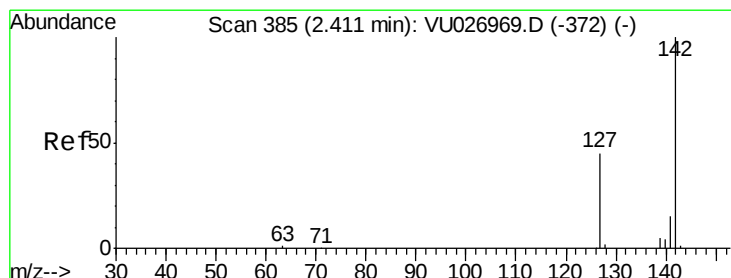
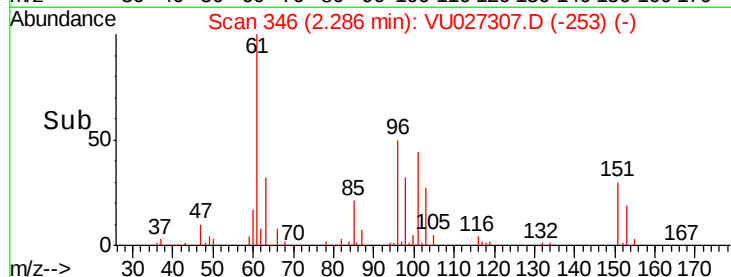
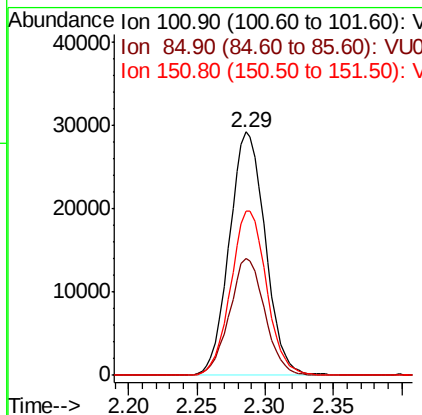
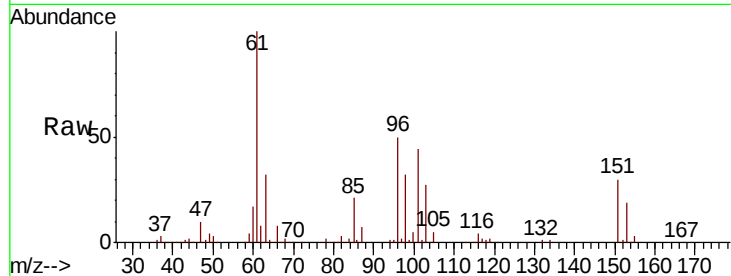
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	101	Resp:	53539
Ion Ratio	Lower	Upper	
101	100		
85	46.9	36.2	54.2
151	67.1	54.5	81.7

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#10

Methyl Iodide

Concen: 30.190 ug/l

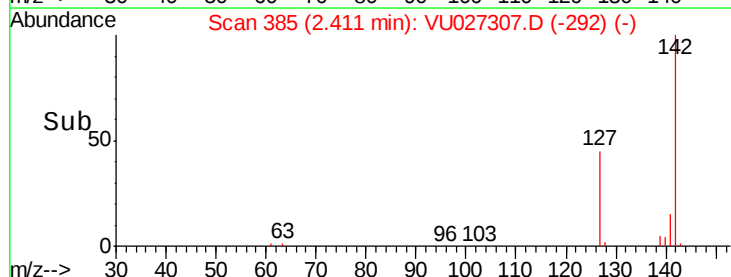
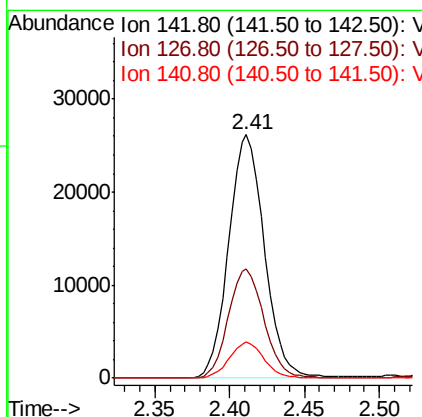
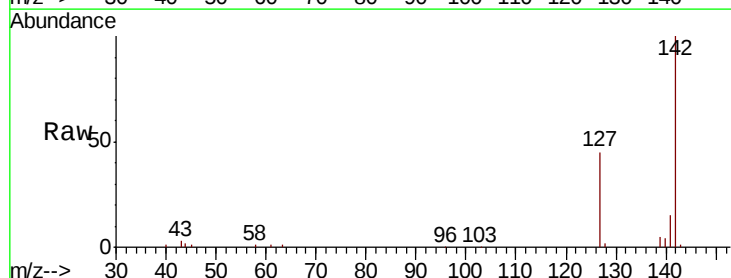
RT: 2.41 min Scan# 385

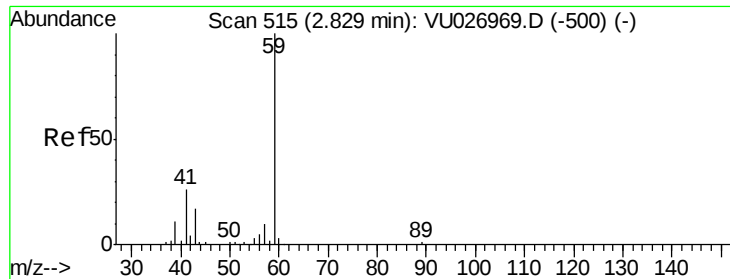
Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion:	142	Resp:	43481
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.7	55.1
141	14.2	11.8	17.6





#11

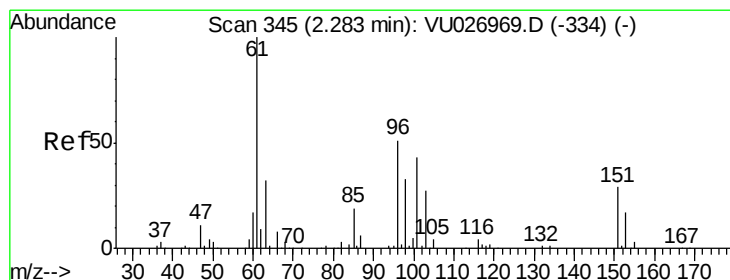
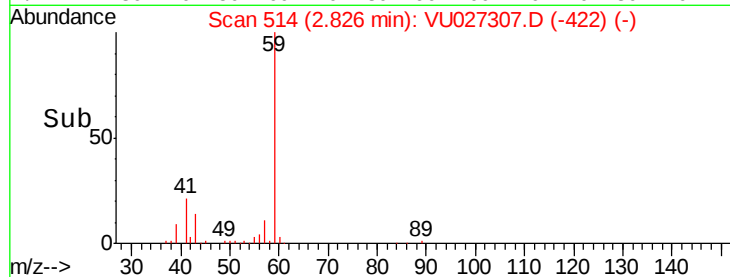
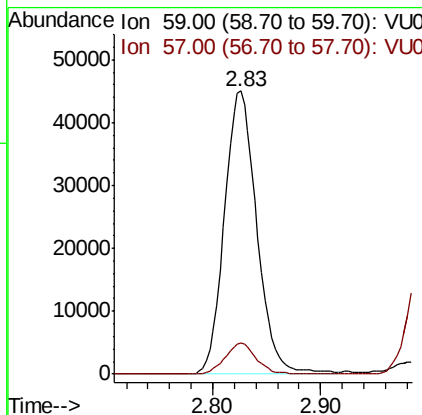
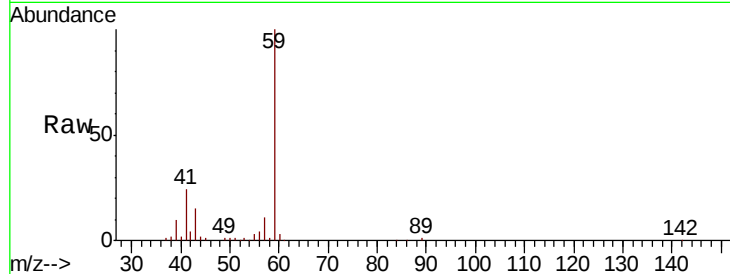
Tert butyl alcohol
 Concen: 258.466 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
 APPROVED

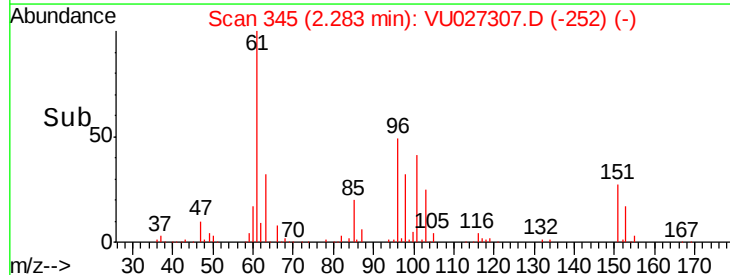
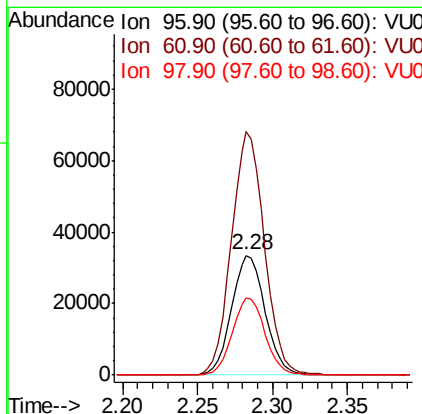
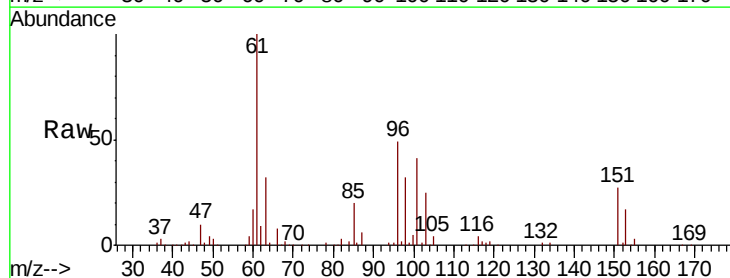
MMDadoda
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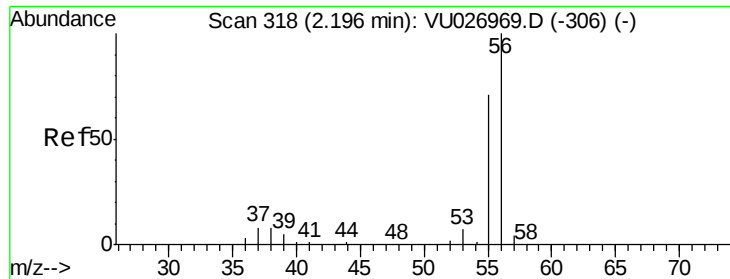


#12

1,1-Dichloroethene
 Concen: 47.771 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.7	156.1	234.1
98	64.9	51.4	77.0





#13

Acrolein

Concen: 131.058 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampled :

SA-TW502-0913MS

Tot Ion: 56 Resp: 25792

Ion Ratio Lower Upper

56 100

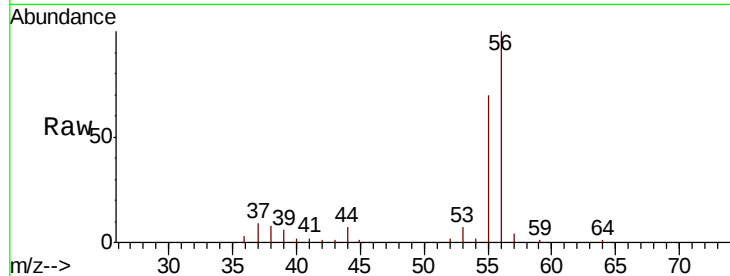
55 71.5 57.1 85.7

Manual Integrations

APPROVED

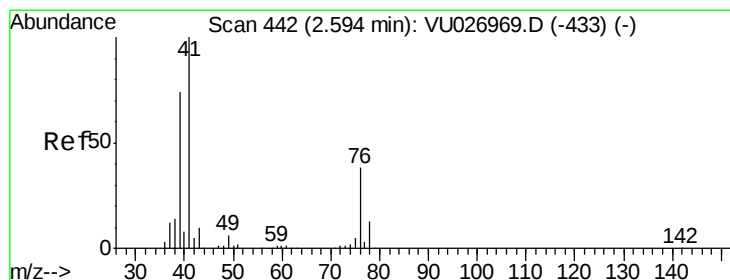
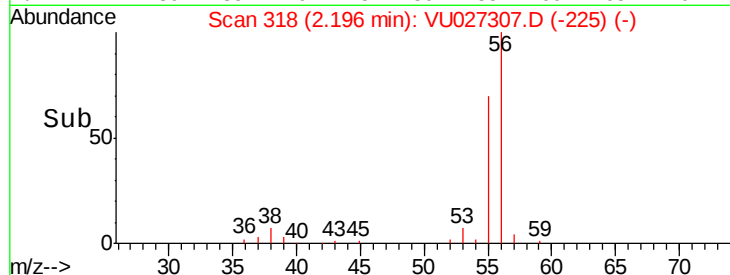
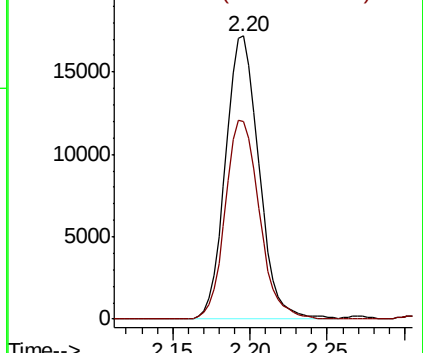
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 55.780 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

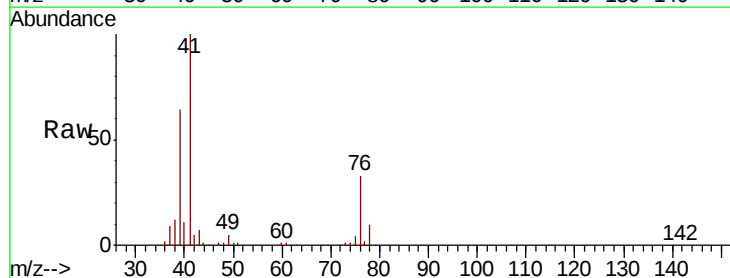
Tgt Ion: 41 Resp: 123656

Ion Ratio Lower Upper

41 100

39 65.1 55.7 83.5

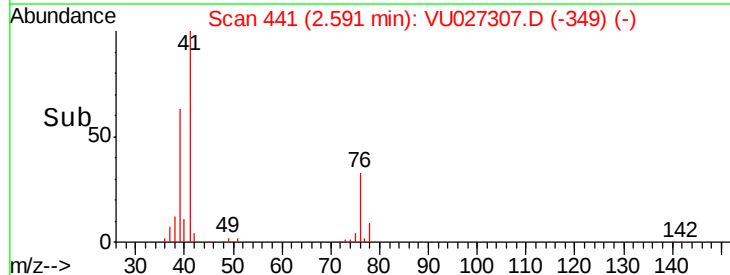
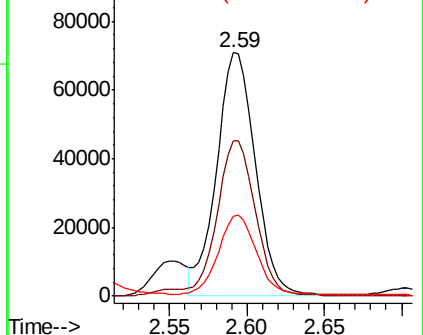
76 33.0 26.5 39.7

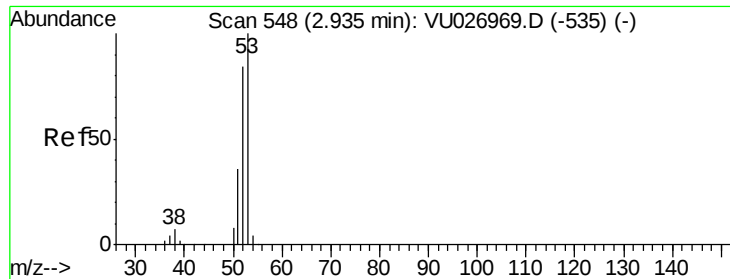


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





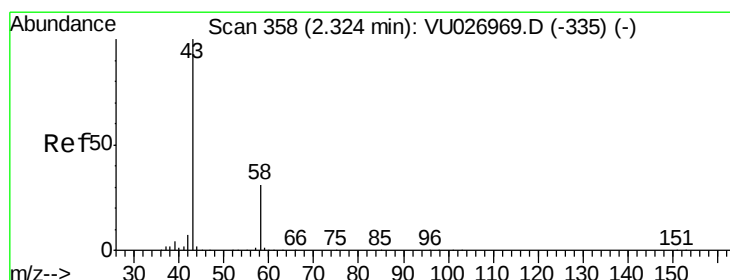
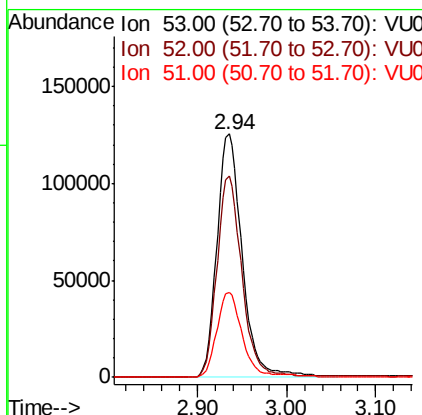
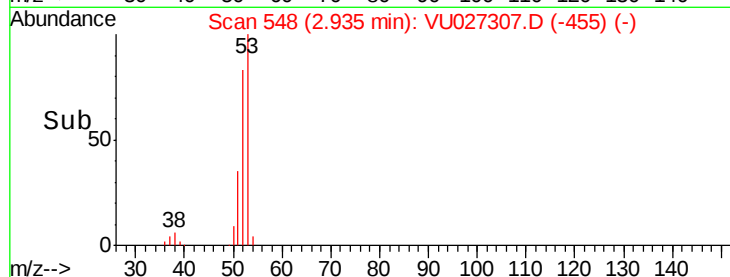
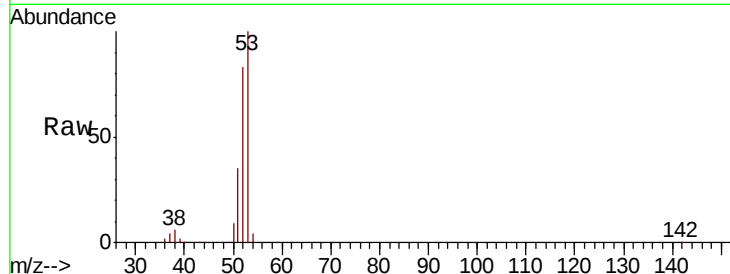
#15
 Acrylonitrile
 Concen: 268.528 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.7	98.5
51	34.8	27.4	41.2

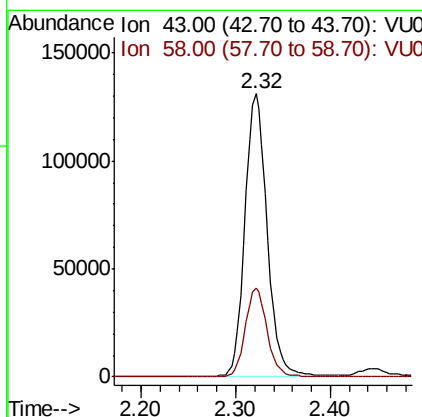
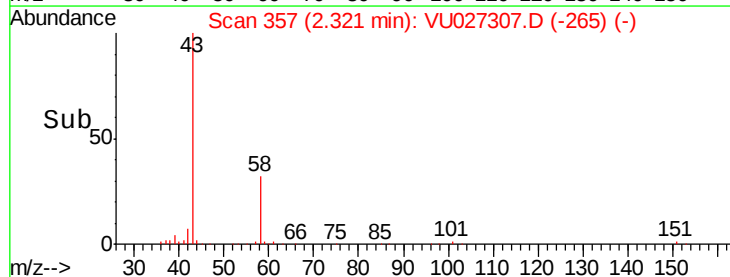
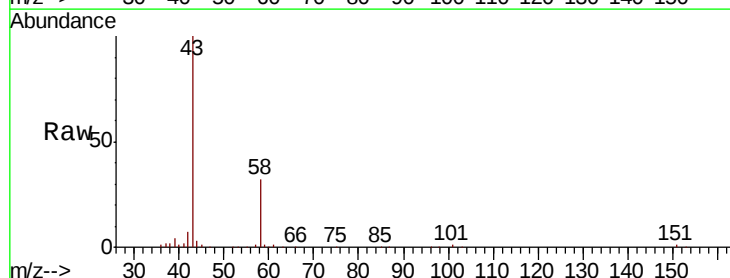
Manual Integrations
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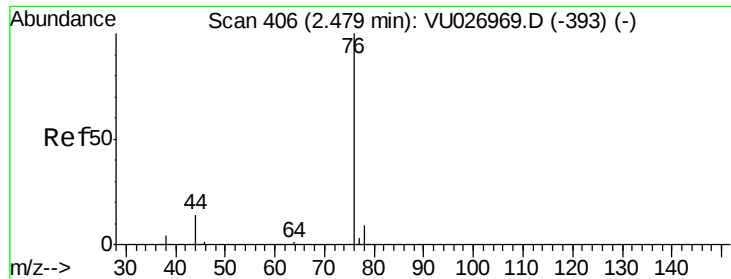
MMDadoda
 10/2/2018 1:08:31 PM



#16
 Acetone
 Concen: 253.318 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.6	36.8





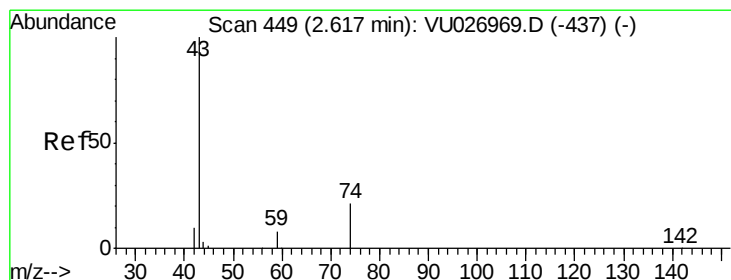
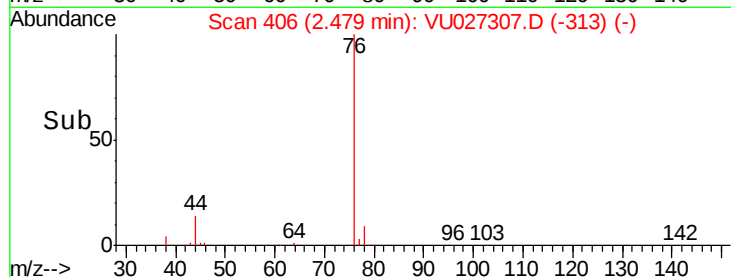
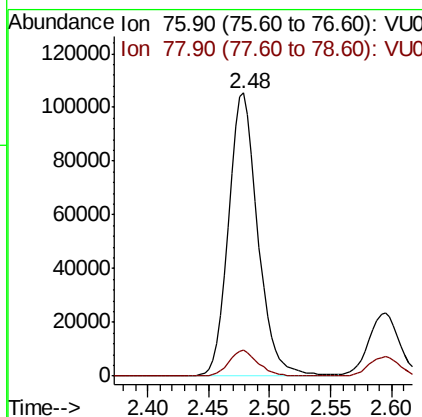
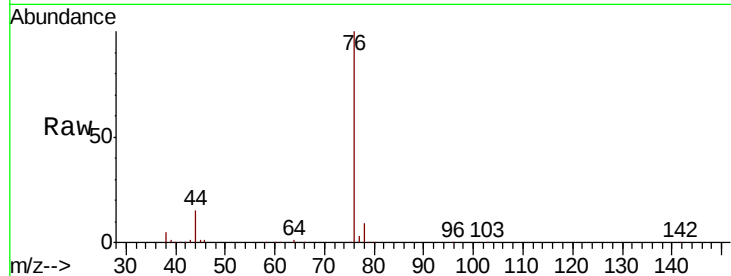
#17
Carbon Disulfide
Concen: 49.822 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion: 76 Resp: 177399
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

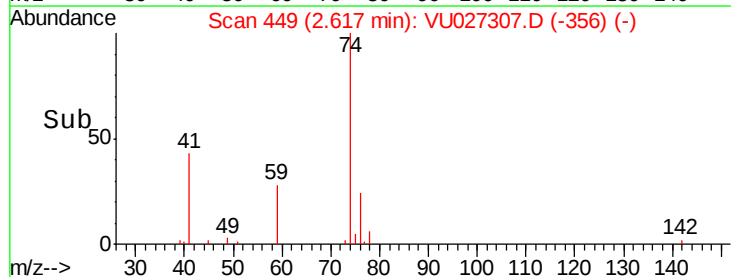
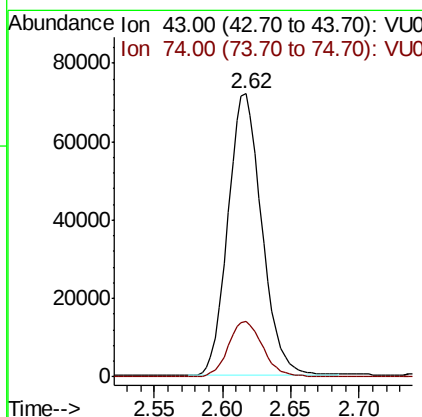
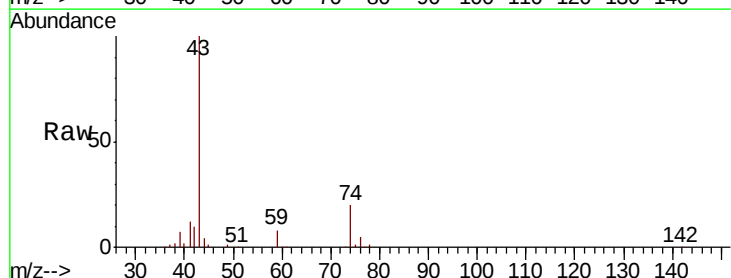
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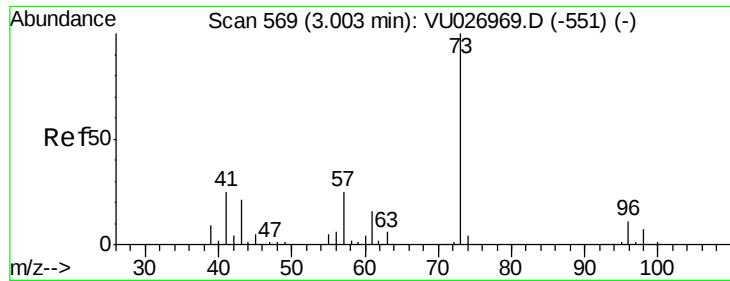
MMDadoda
10/2/2018 1:08:31 PM



#18
Methyl Acetate
Concen: 54.816 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 43 Resp: 124268
Ion Ratio Lower Upper
43 100
74 20.2 16.6 25.0





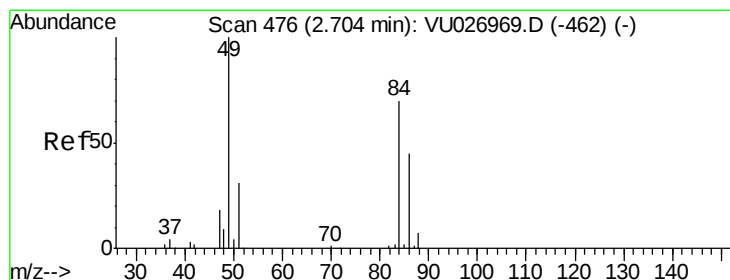
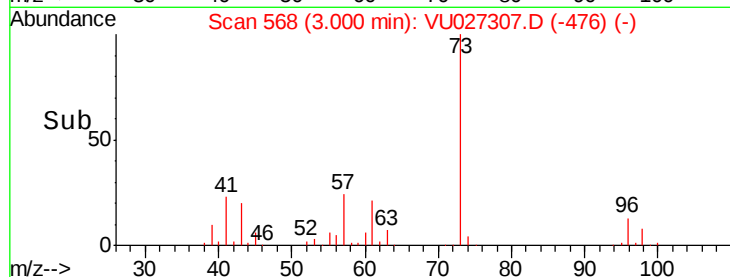
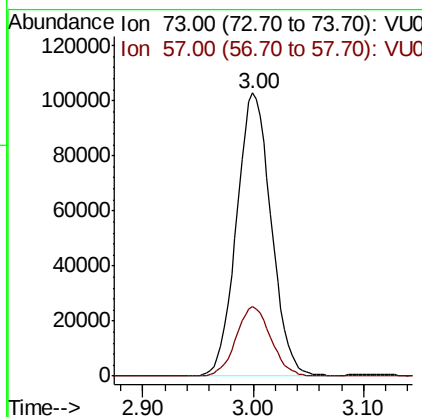
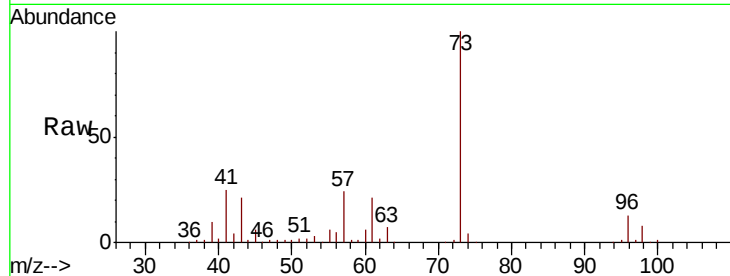
#19
Methyl tert-butyl Ether
Concen: 55.709 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.8	29.6

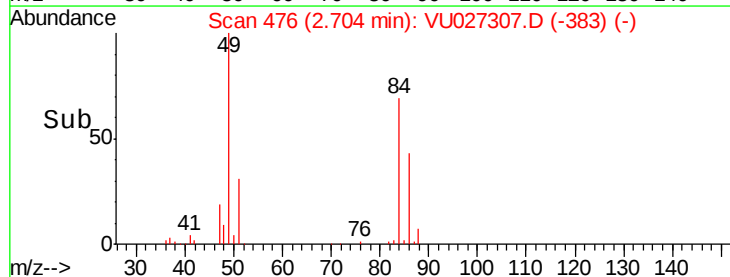
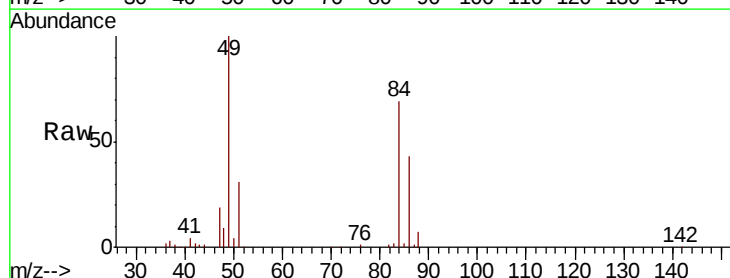
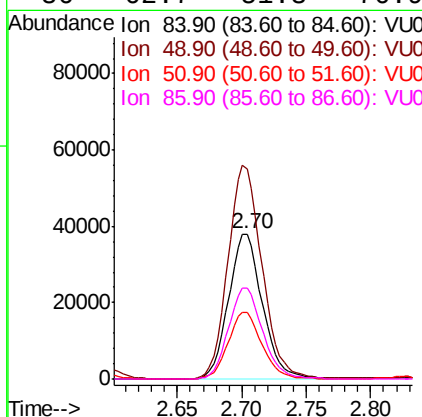
Manual Integrations
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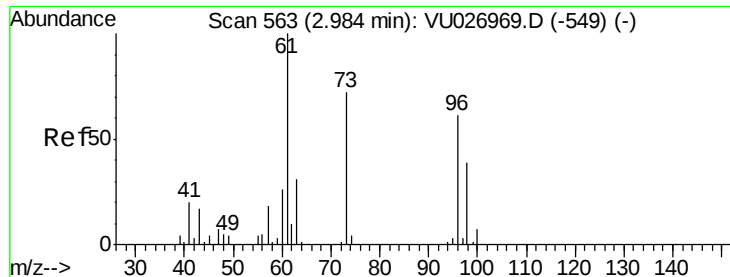
MMDadoda
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#20
Methylene Chloride
Concen: 48.714 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.6	114.9	172.3
51	45.5	35.8	53.8
86	62.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 51.587 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampled :

SA-TW502-0913MS

Tot Ion: 96 Resp: 60200

Ion Ratio Lower Upper

96 100

61 165.9 131.8 197.6

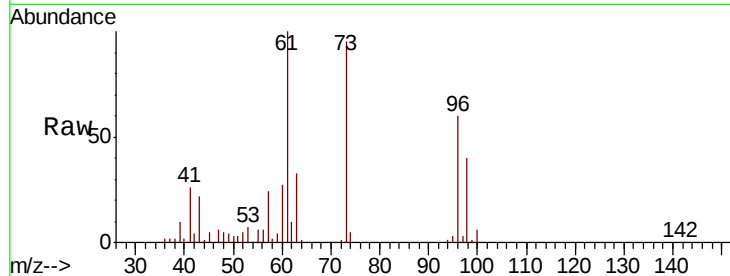
98 65.8 50.9 76.3

Manual Integrations

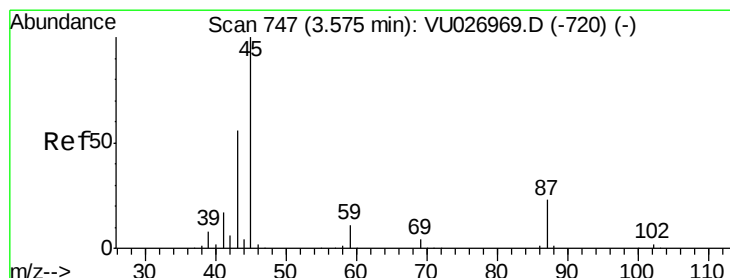
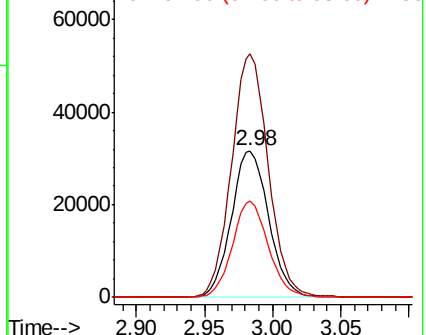
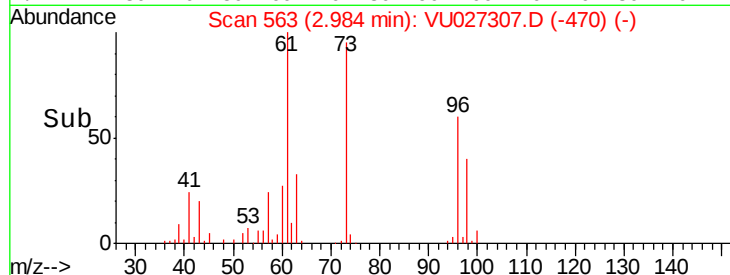
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Abundance Ion 95.90 (95.60 to 96.60): VU027307.D (-470) (-)



#22

Diisopropyl ether

Concen: 57.231 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion: 45 Resp: 271372

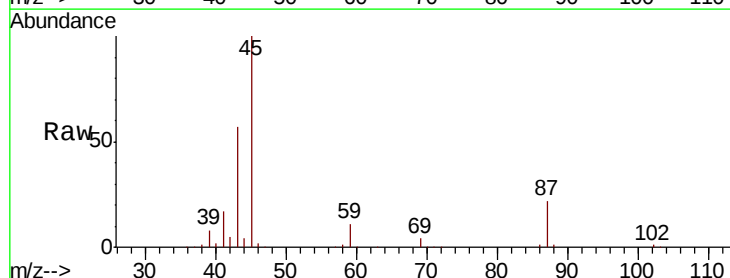
Ion Ratio Lower Upper

45 100

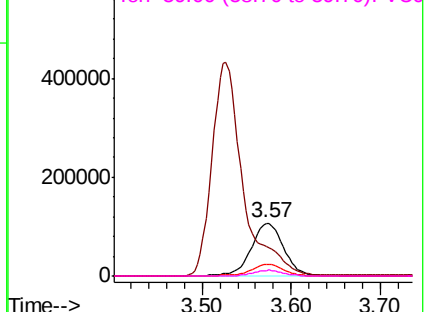
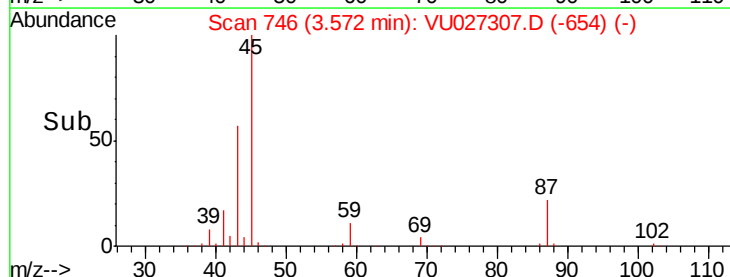
43 55.5 45.8 68.6

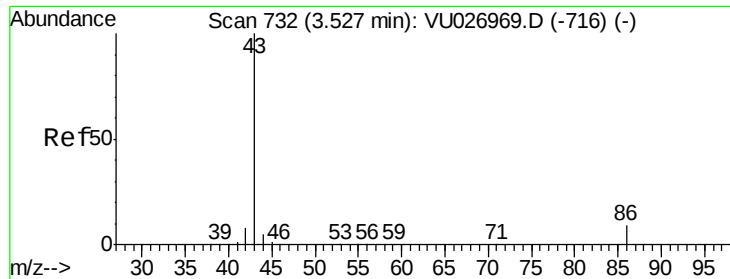
87 21.9 18.6 28.0

59 11.0 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027307.D (-654) (-)





#23

Vinyl Acetate

Concen: 259.637 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 43 Resp: 1049430

Ion Ratio Lower Upper

43 100

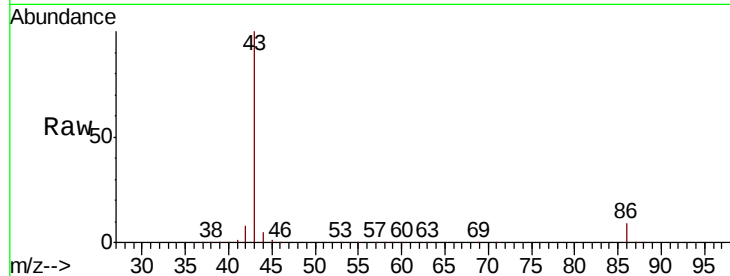
86 8.6 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027307.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027307.D (-639) (-)

3.53

500000

400000

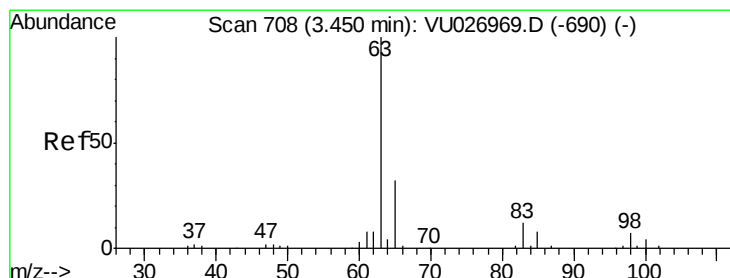
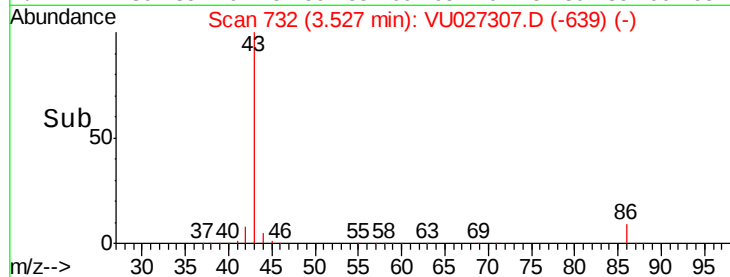
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.110 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

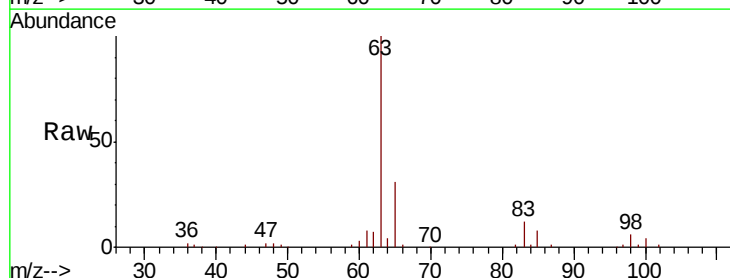
Tgt Ion: 63 Resp: 138698

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027307.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027307.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027307.D (-615) (-)

3.45

80000

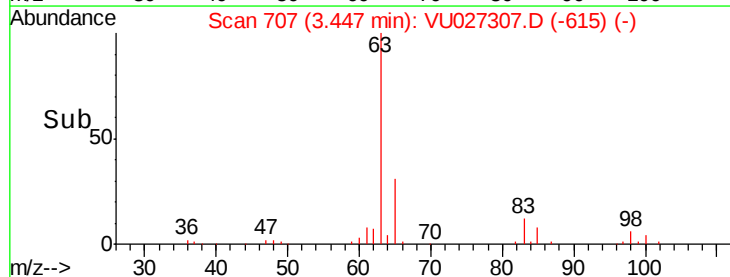
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 258.696 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 43 Resp: 346275

Ion Ratio Lower Upper

43 100

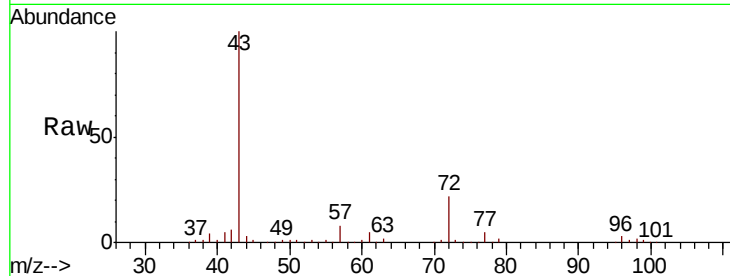
72 22.3 18.4 27.6

Manual Integrations

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MMDadoda

10/2/2018 1:08:31 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

150000

100000

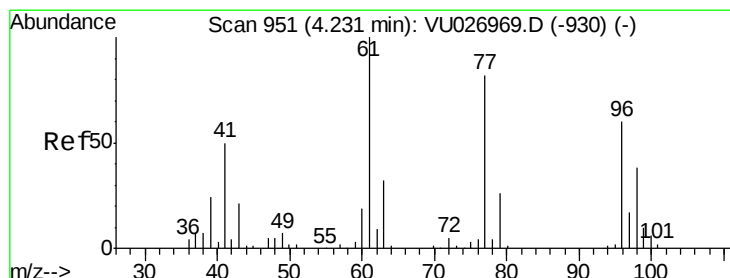
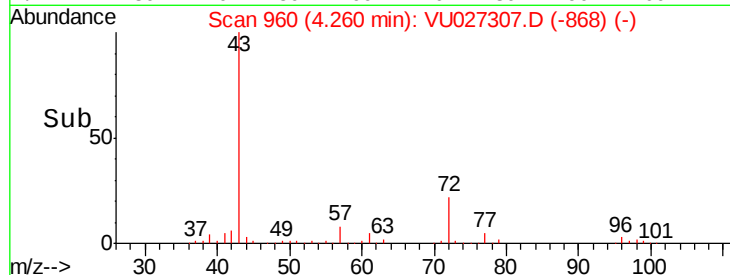
50000

0

4.20 4.30

4.26

Time-->



#26

2,2-Dichloropropane

Concen: 41.124 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027307.D

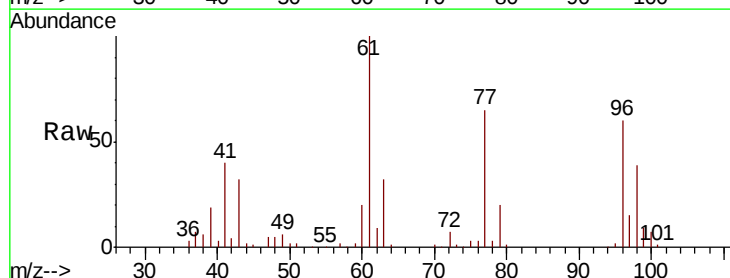
Acq: 29 Sep 2018 05:48

Tgt Ion: 77 Resp: 83756

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

30000

20000

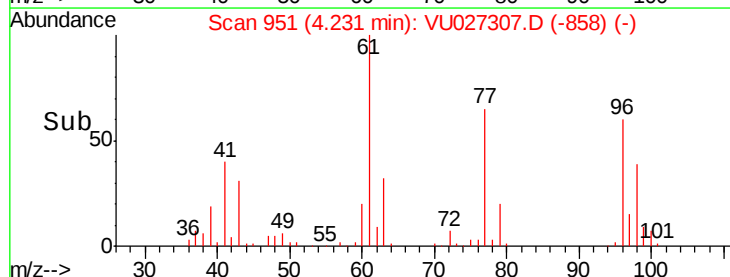
10000

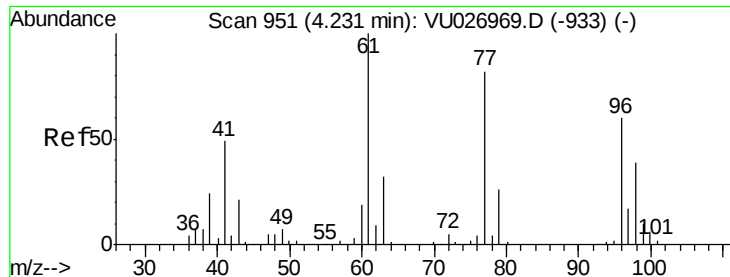
0

4.10 4.20 4.30

4.23

Time-->





#27

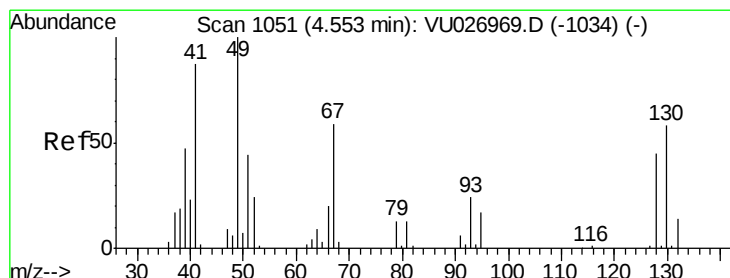
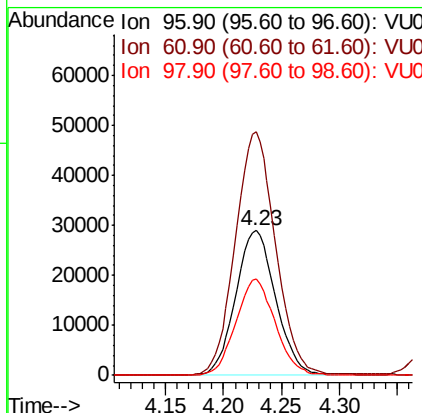
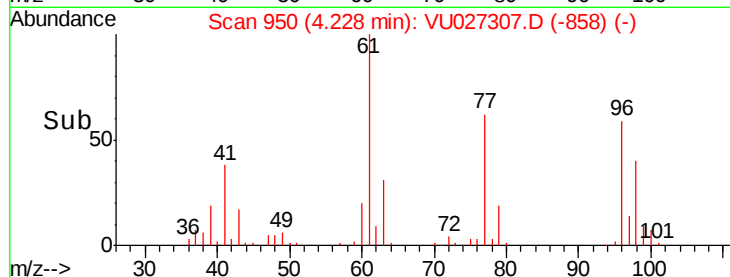
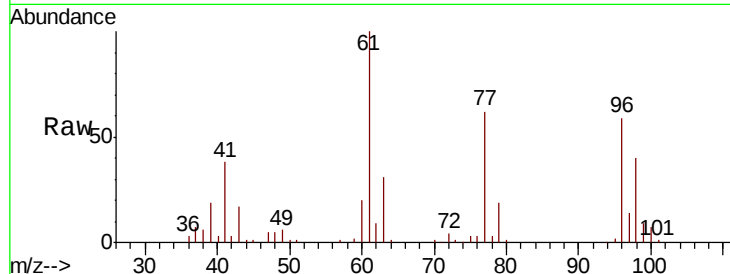
cis-1,2-Dichloroethene
 Concen: 52.809 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.6	0.0	337.2
98	65.3	0.0	127.6

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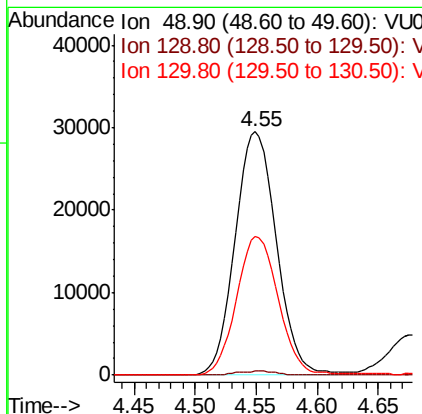
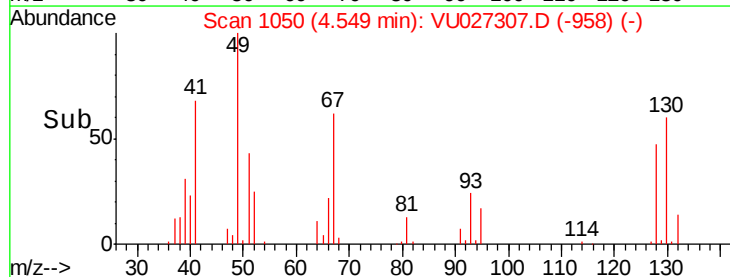
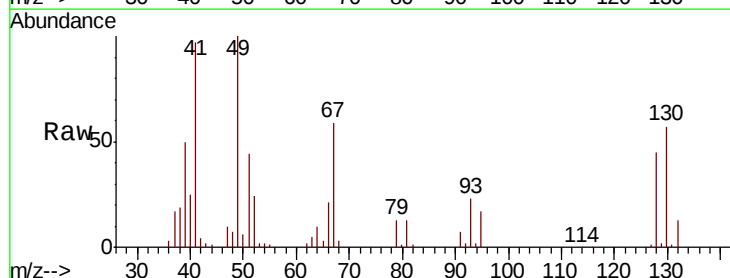
MMDadoda
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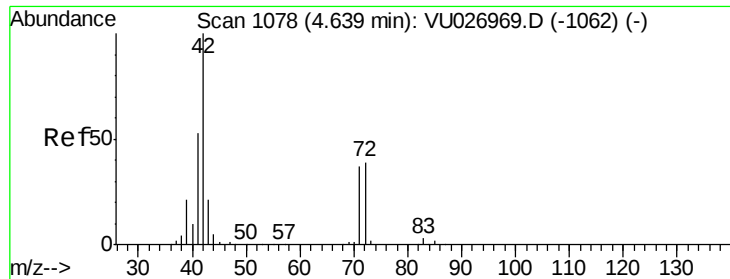


#28

Bromochloromethane
 Concen: 55.082 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	57.2	47.8	71.8





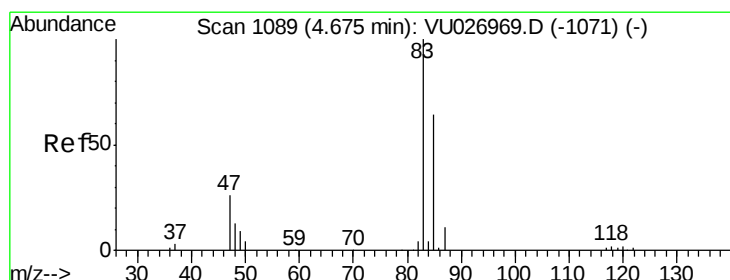
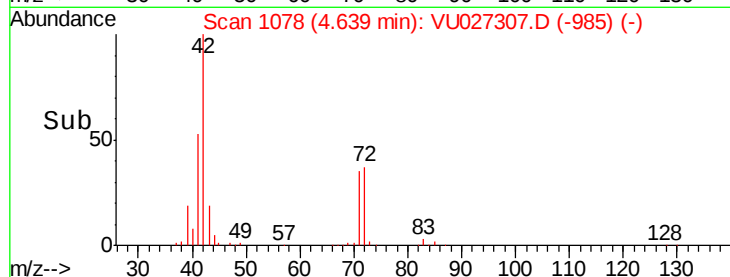
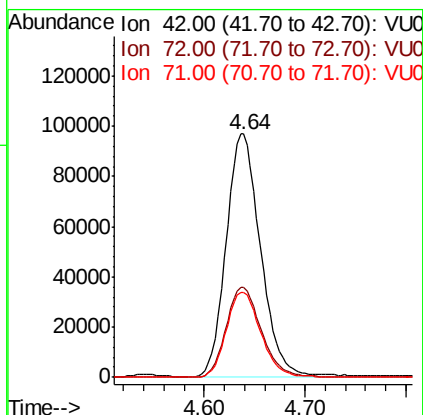
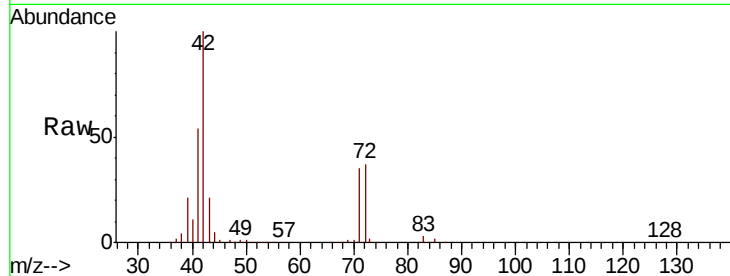
#29
Tetrahydrofuran
Concen: 283.866 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.7	47.5
71	35.2	29.6	44.4

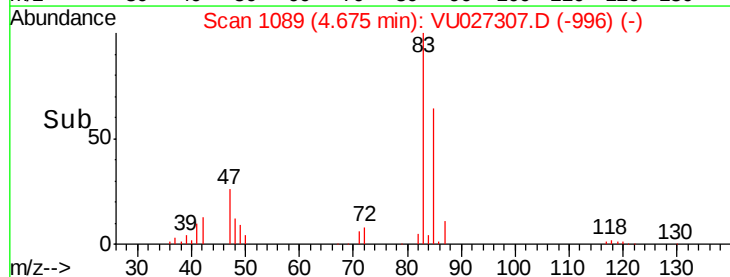
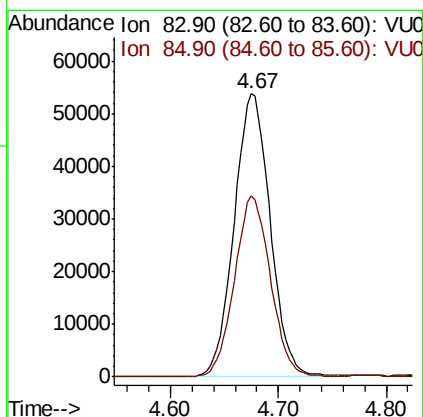
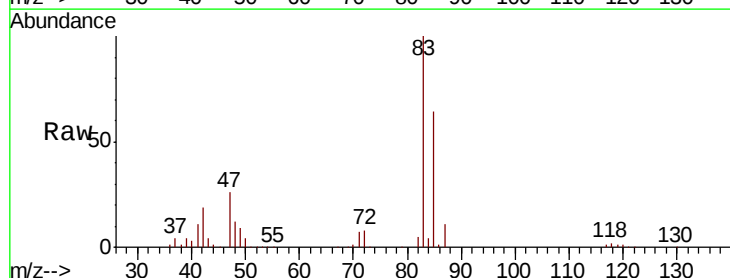
Manual Integrations
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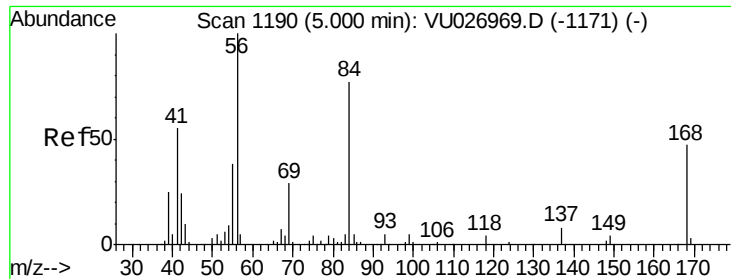
MMDadoda
10/2/2018 1:08:31 PM



#30
Chloroform
Concen: 51.734 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





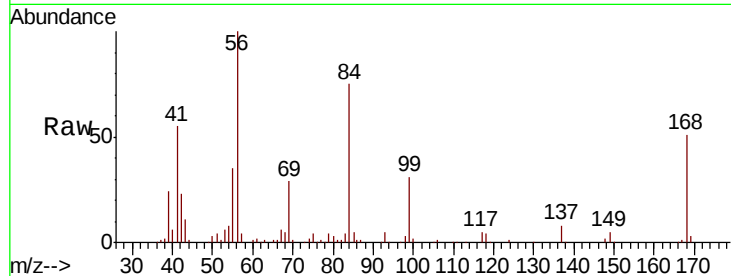
#31
Cyclohexane
Concen: 53.771 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

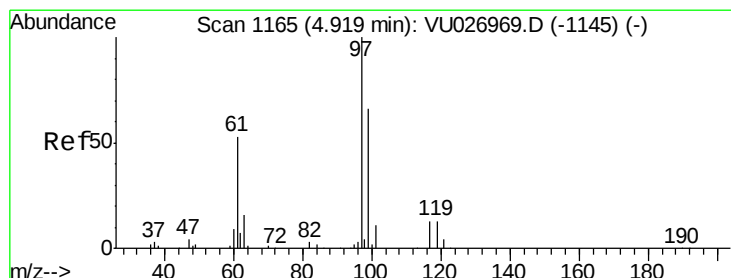
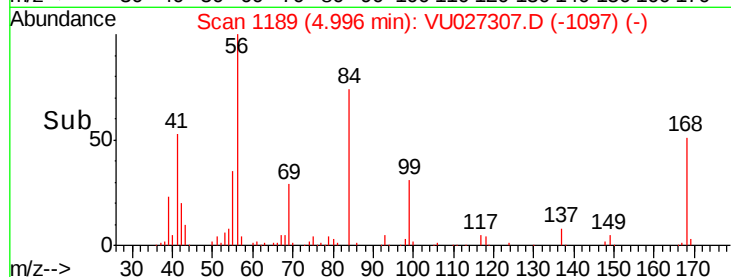
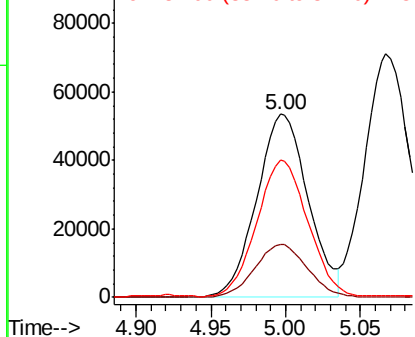
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.0	34.4
84	74.0	61.4	92.2

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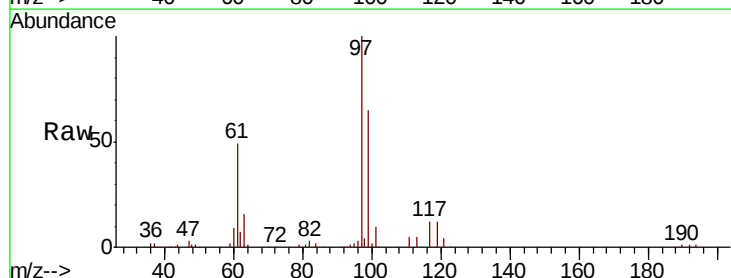


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

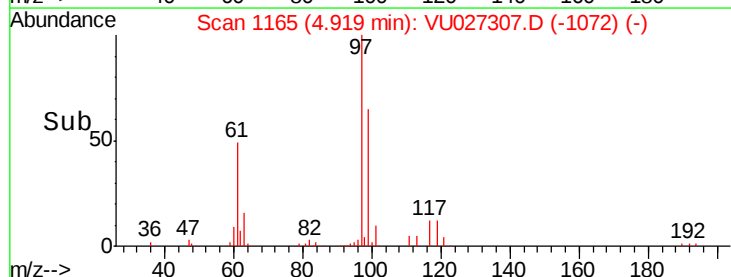
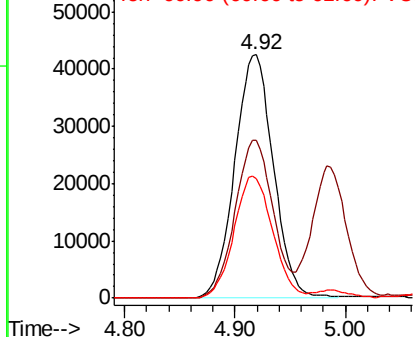


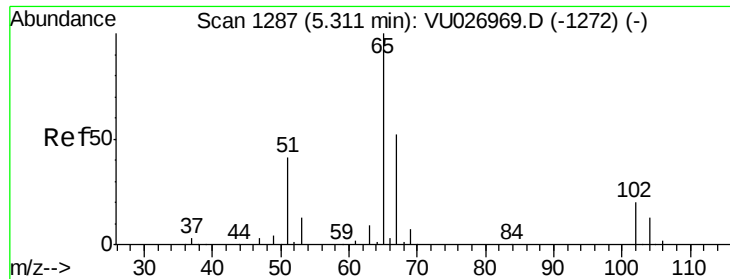
#32
1,1,1-Trichloroethane
Concen: 53.312 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	50.1	41.1	61.7



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





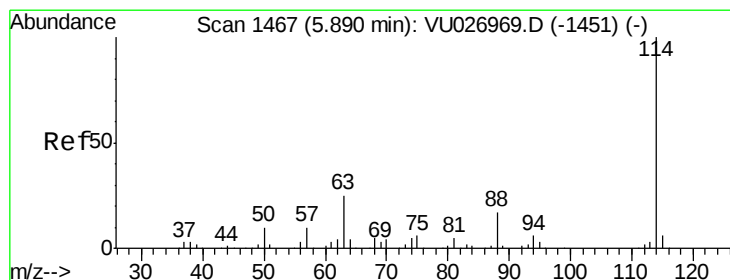
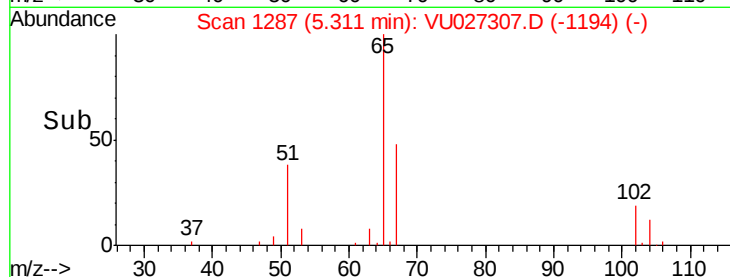
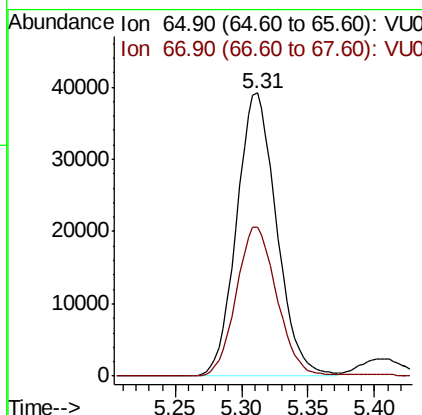
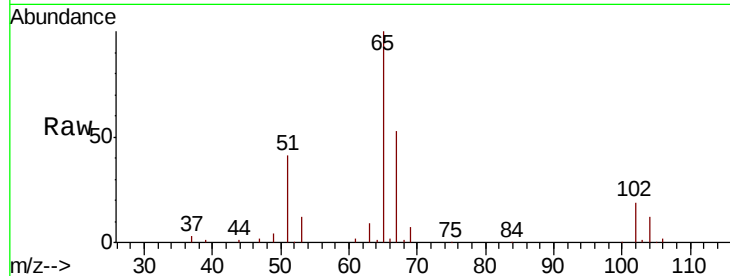
#33
 1,2-Dichloroethane-d4
 Concen: 51.574 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.6

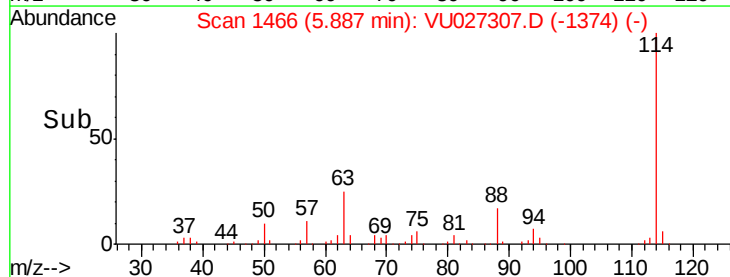
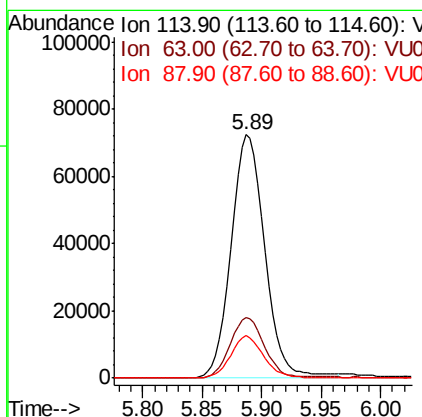
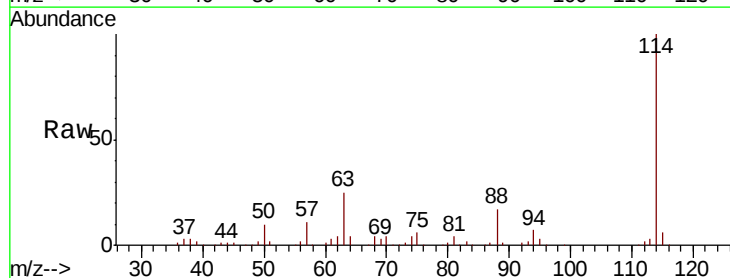
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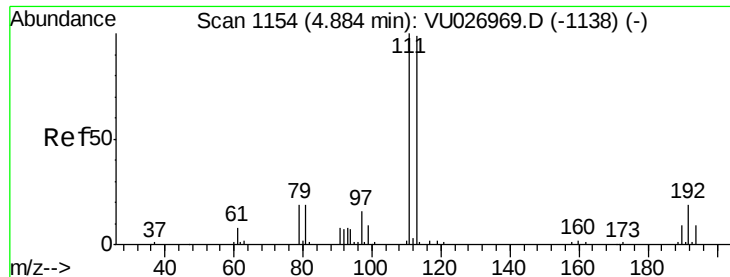
MMDadoda
 10/2/2018 1:08:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	17.3	0.0	33.8





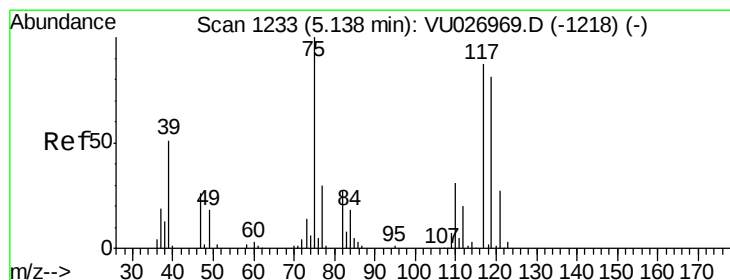
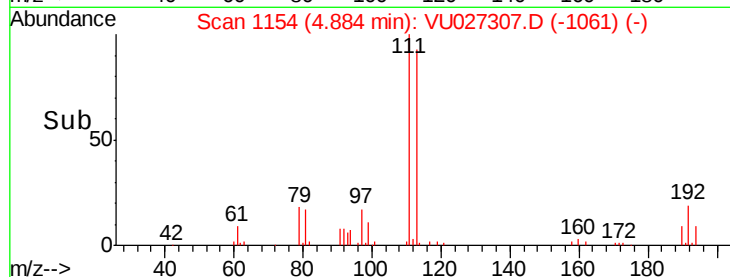
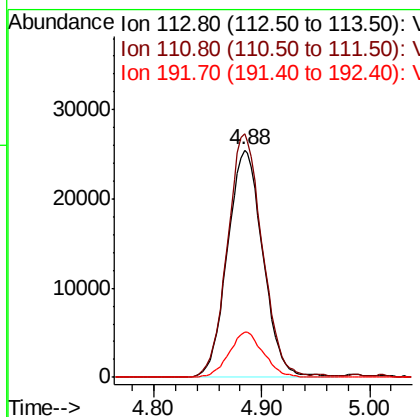
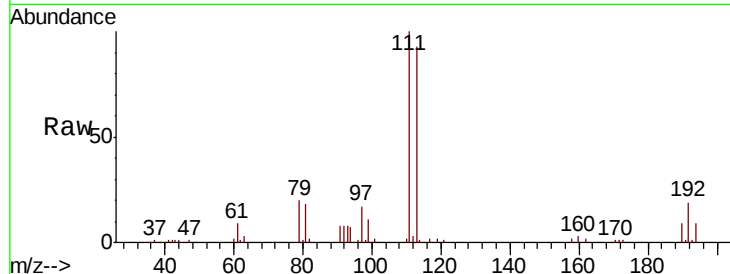
#35
 Dibromofluoromethane
 Concen: 47.181 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.3	82.2	123.4	
192	19.4	15.2	22.8	

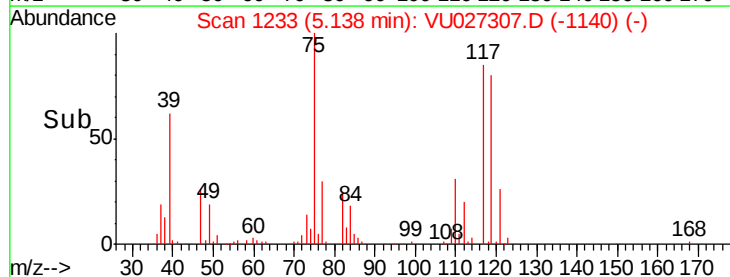
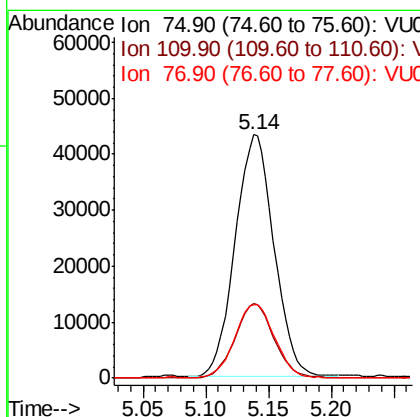
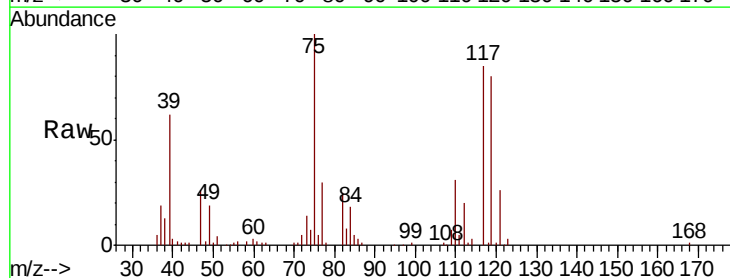
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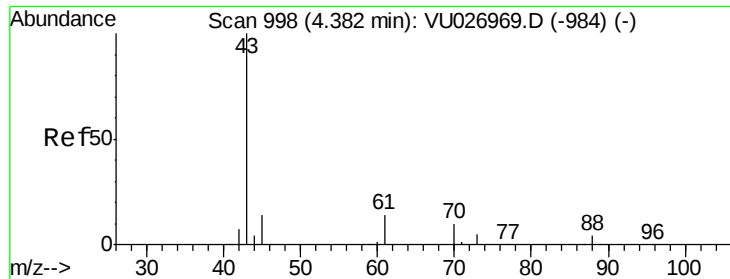
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#36
 1,1-Dichloropropene
 Concen: 48.970 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.1	16.1	48.2	
77	30.4	24.6	36.8	





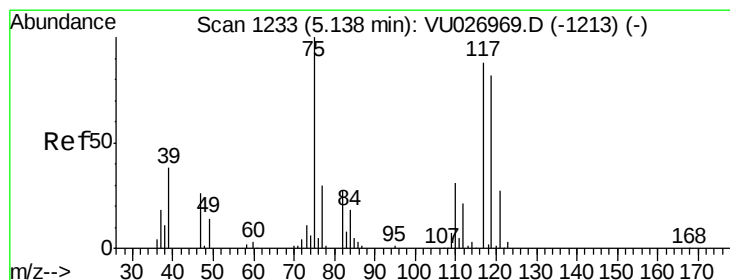
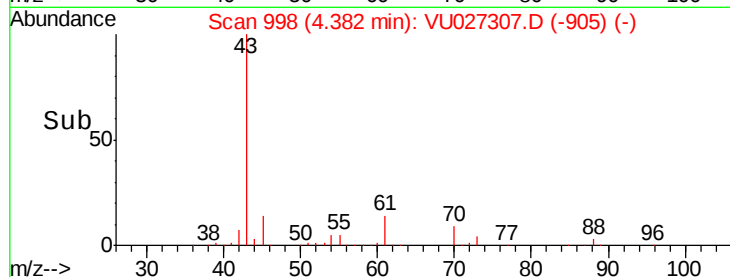
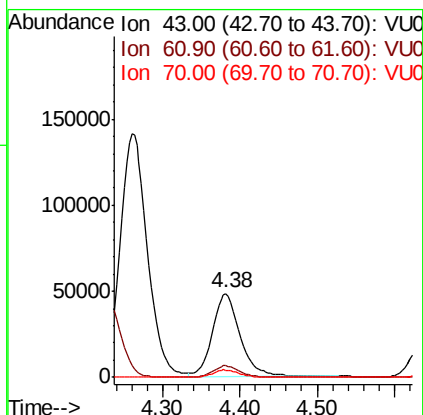
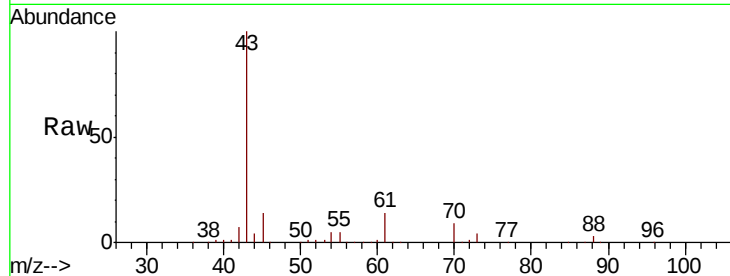
#37
Ethyl Acetate
Concen: 47.039 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.5	15.7
70	8.5	7.4	11.0

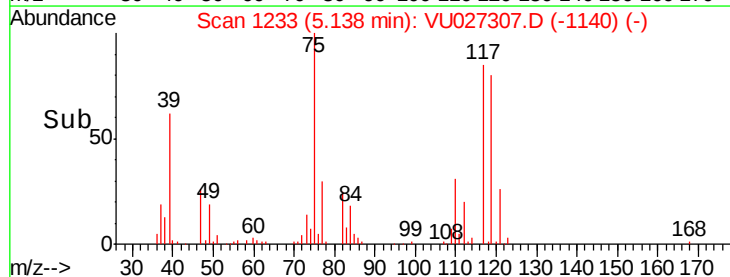
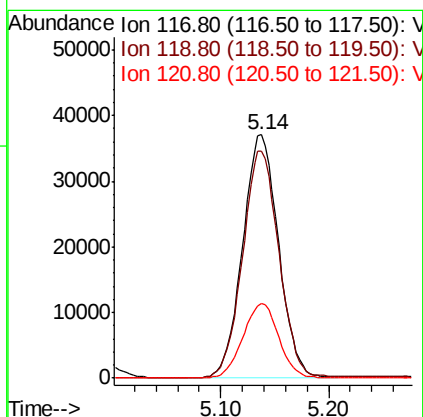
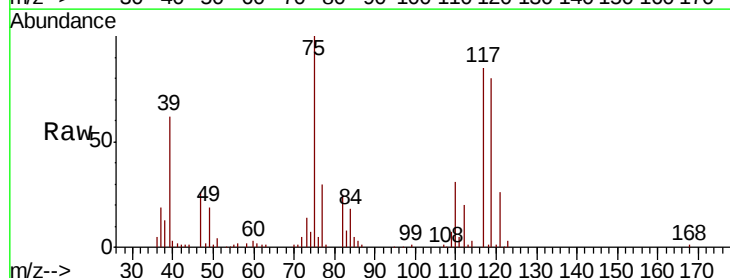
Manual Integrations
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10/2/2018 1:08:31 PM



#38
Carbon Tetrachloride
Concen: 47.444 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.4	111.6
121	30.8	24.2	36.4





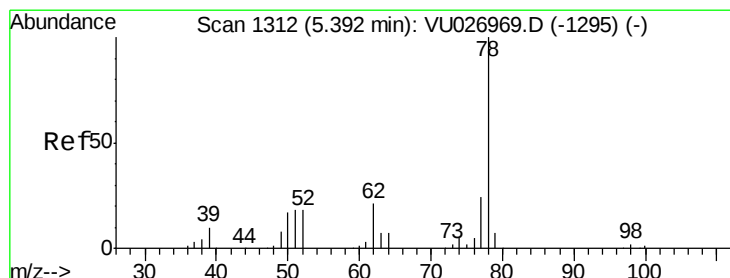
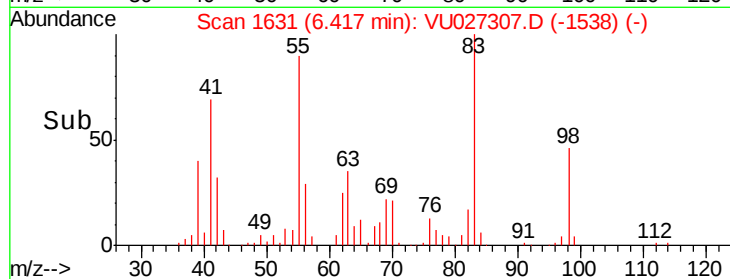
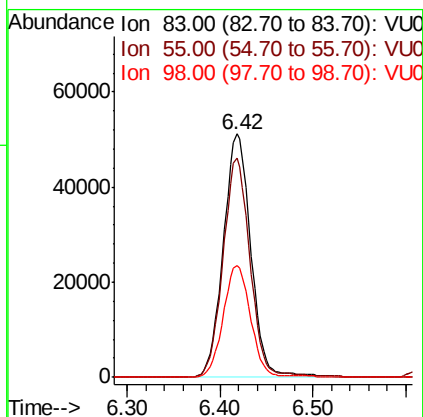
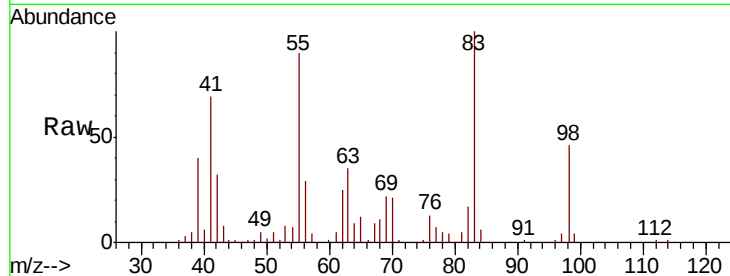
#39
Methylvlcvclohexane
Concen: 51.191 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	90.2	69.9	104.9	
98	45.9	37.5	56.3	

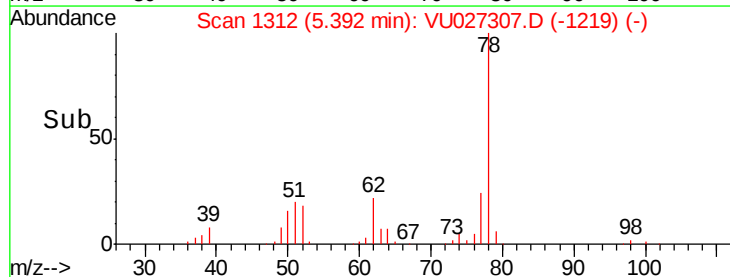
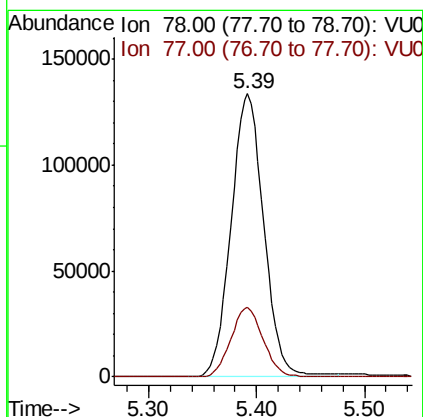
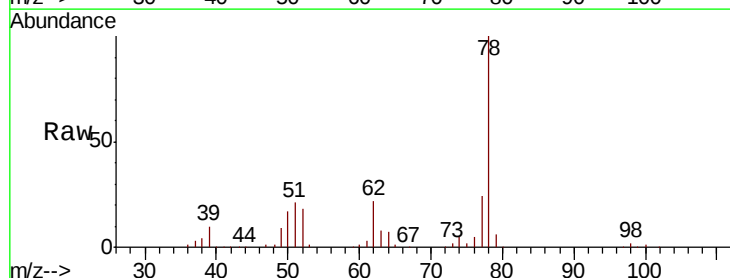
Manual Integrations
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10/2/2018 1:08:31 PM



#40
Benzene
Concen: 48.938 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	19.4	29.0	





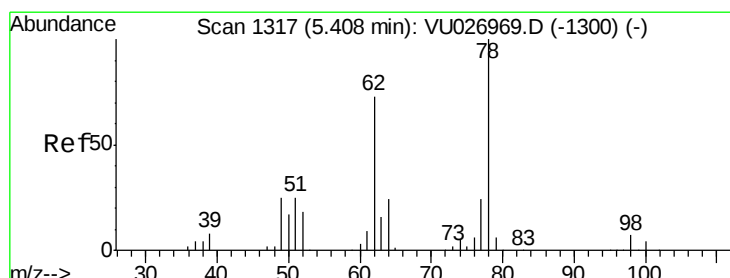
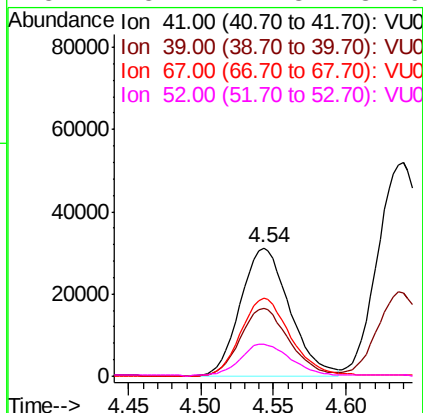
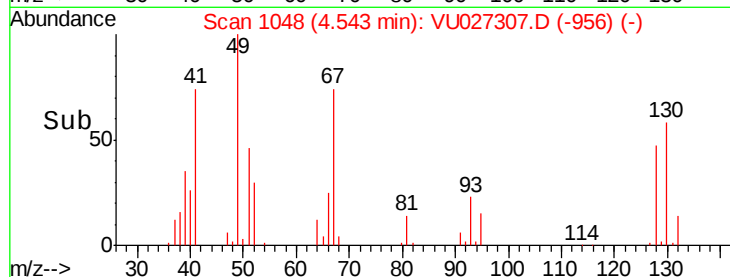
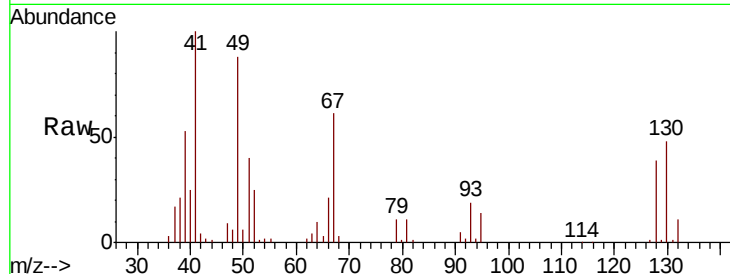
#41
Methacrylonitrile
Concen: 55.283 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	42.9	64.3	
67	61.8	52.4	78.6	
52	25.1	21.3	31.9	

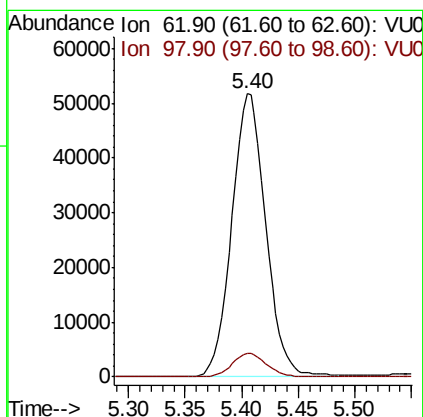
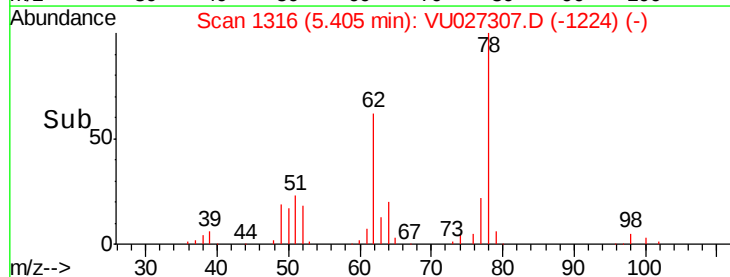
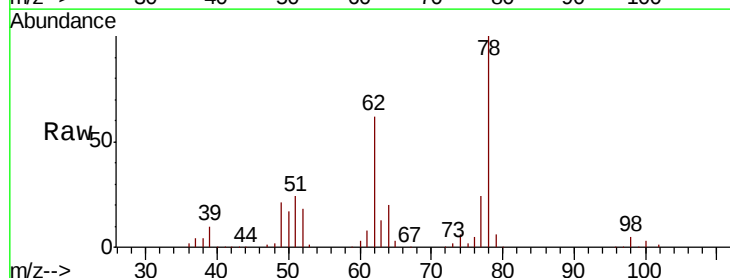
Manual Integrations
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10/2/2018 1:08:31 PM



#42
1,2-Dichloroethane
Concen: 49.591 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.0	





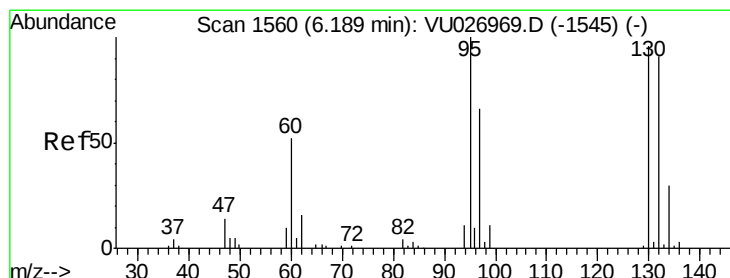
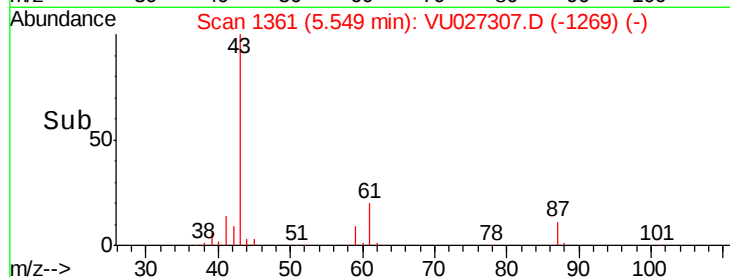
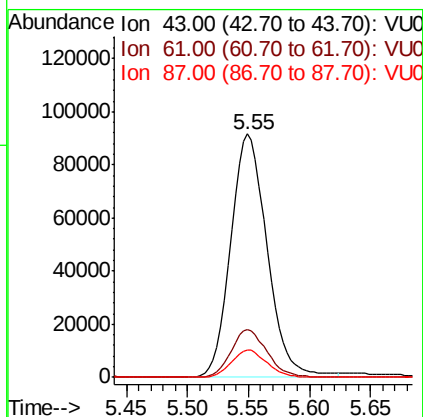
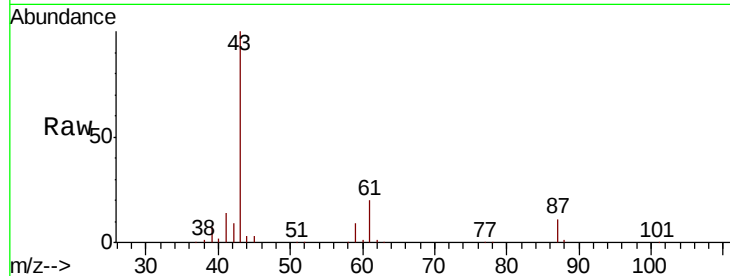
#43
Isopropyl Acetate
Concen: 50.378 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.7	23.5
87	11.0	9.0	13.4

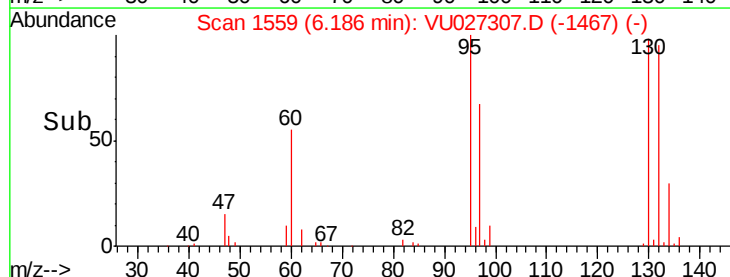
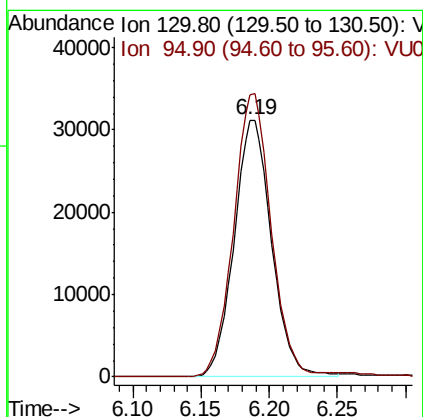
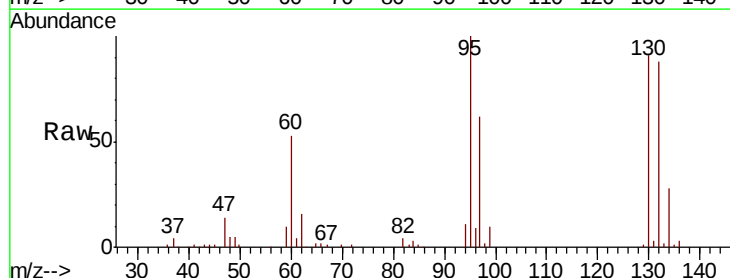
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#44
Trichloroethene
Concen: 48.270 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.0	0.0	208.8





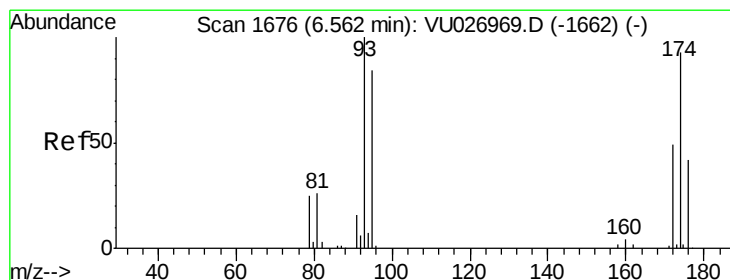
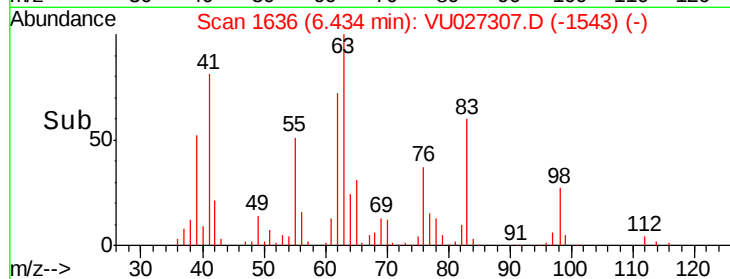
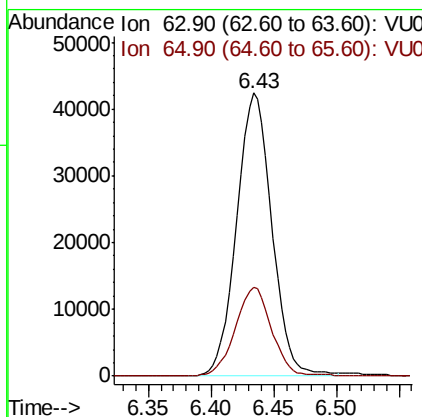
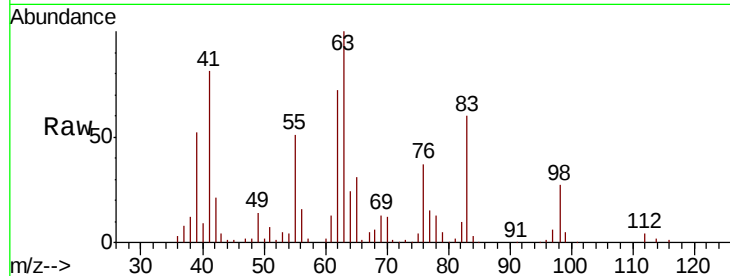
#45
 1,2-Dichloropropane
 Concen: 50.300 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion: 63 Resp: 82890
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.3 36.5

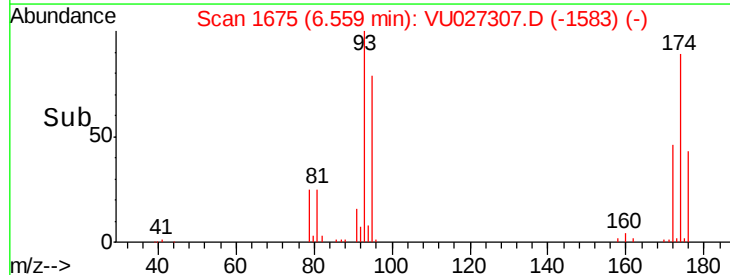
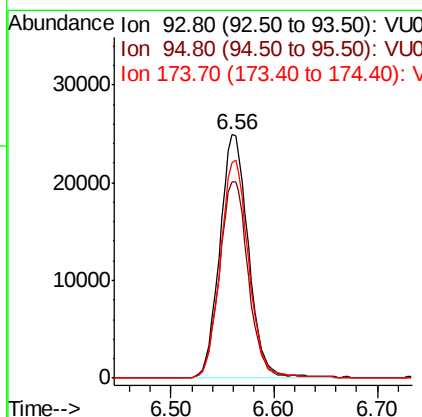
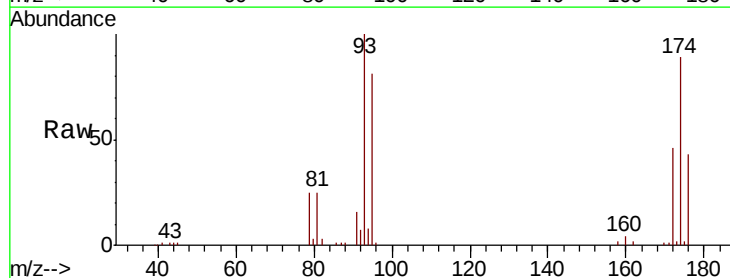
Manual Integrations
 APPROVED

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#46
 Dibromomethane
 Concen: 48.529 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 93 Resp: 48299
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.2 99.4
 174 88.2 71.7 107.5





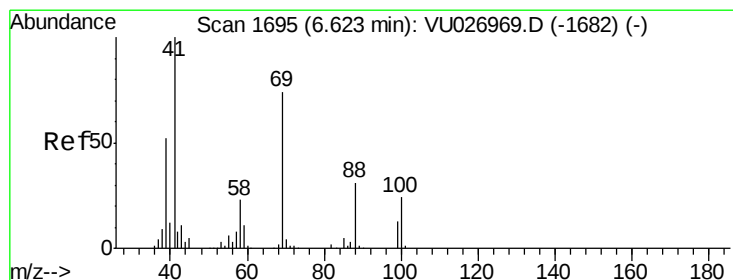
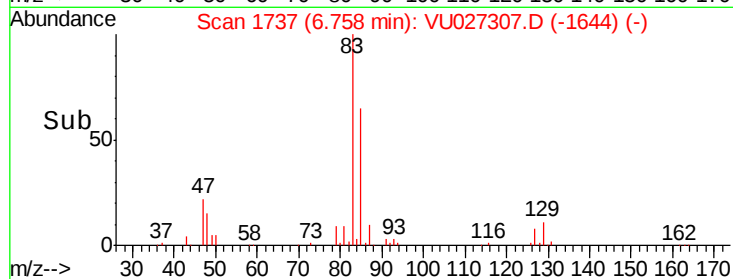
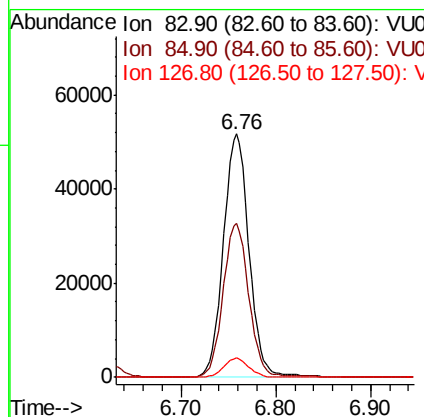
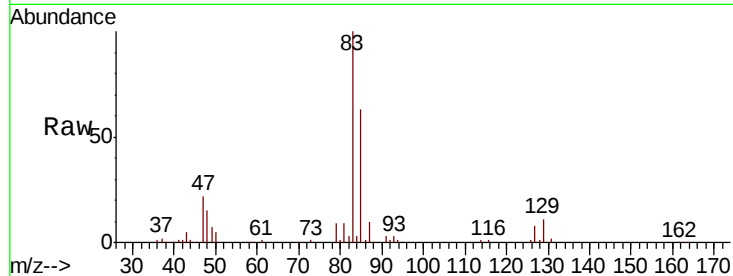
#47
 Bromodichloromethane
 Concen: 48.357 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion:	83	Resp:	97317
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7
127	8.0	6.3	9.5

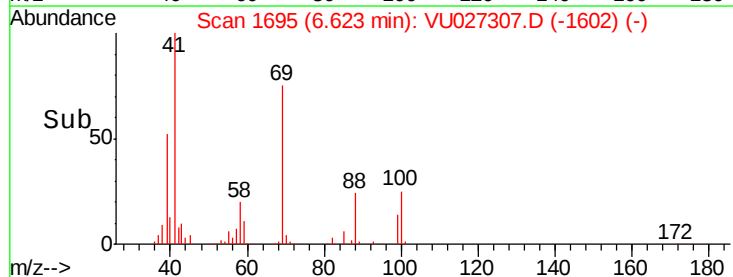
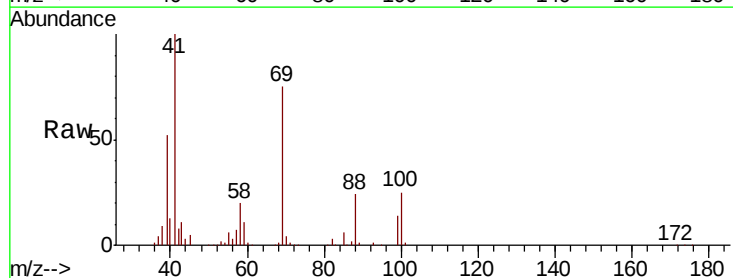
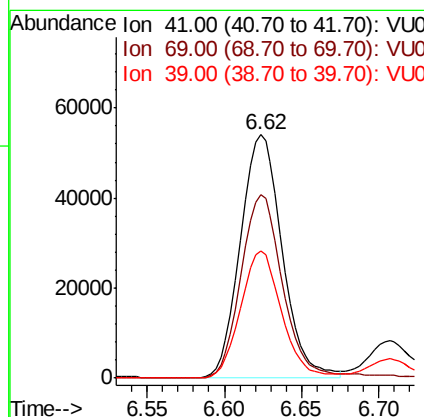
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 49.920 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion:	41	Resp:	102049
Ion	Ratio	Lower	Upper
41	100		
69	75.6	60.6	90.8
39	51.5	42.8	64.2





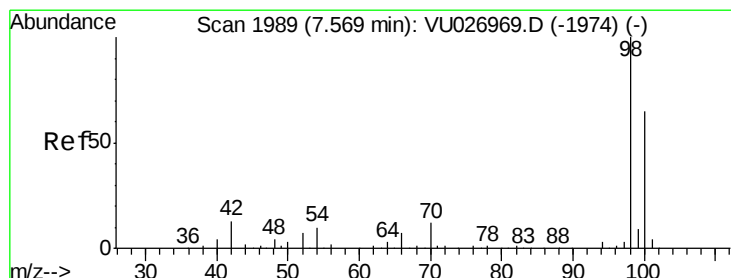
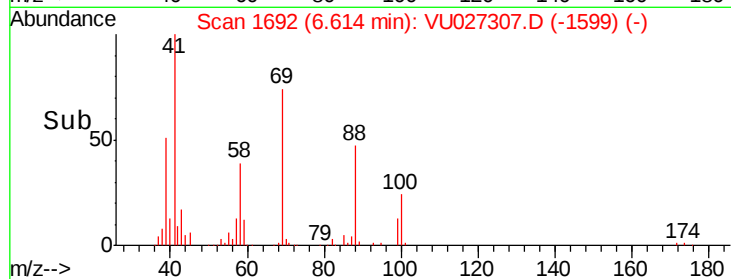
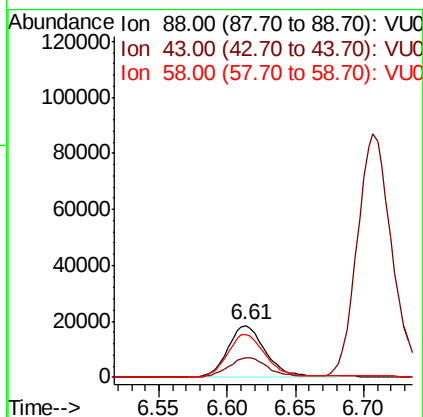
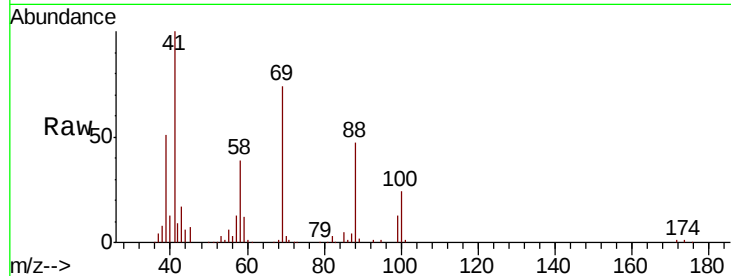
#49
1,4-Dioxane
Concen: 888.866 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.8	44.8
58	82.4	63.9	95.9

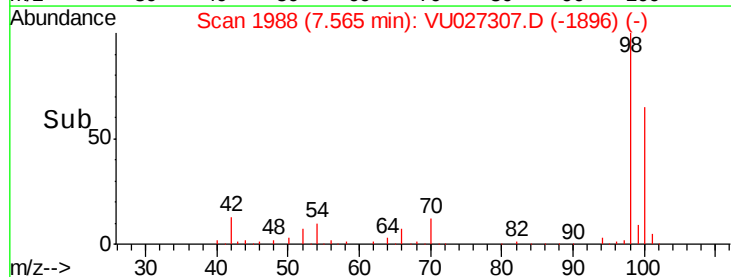
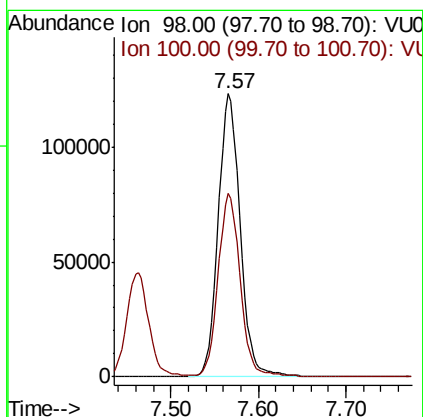
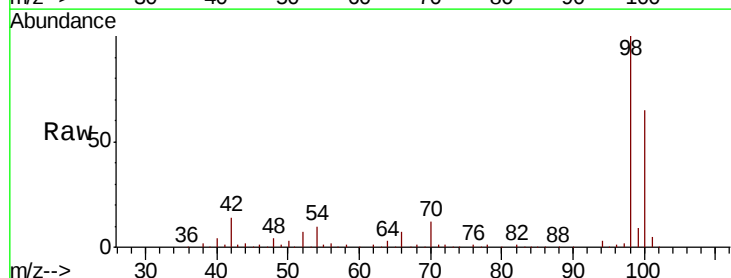
Manual Integrations
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#50
Toluene-d8
Concen: 45.709 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 261.617 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 43 Resp: 660878

Ion Ratio Lower Upper

43 100

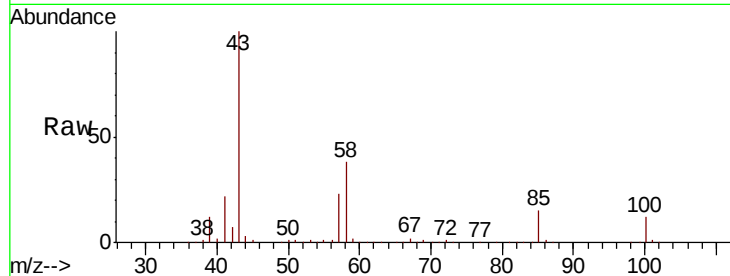
58 37.6 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027307.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027307.D (-1863) (-)

7.46

400000

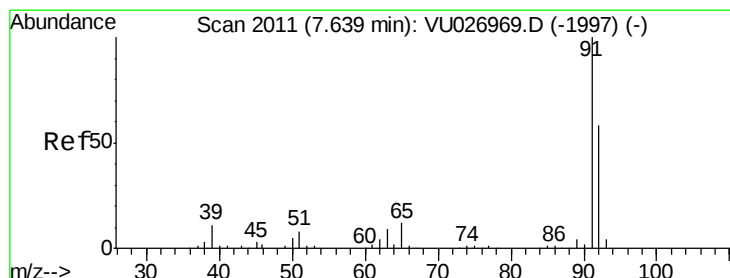
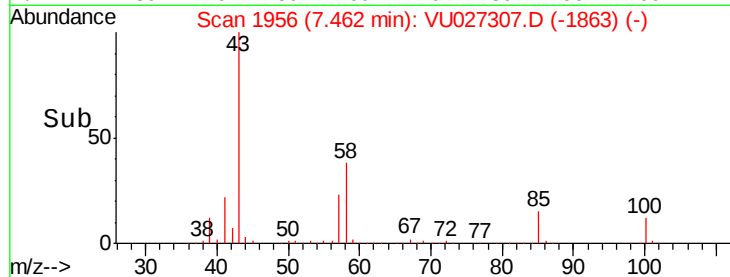
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.452 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027307.D

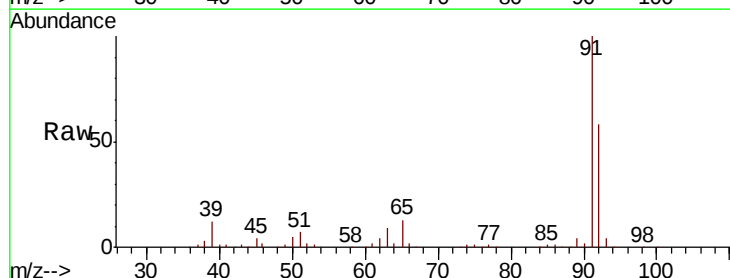
Acq: 29 Sep 2018 05:48

Tgt Ion: 92 Resp: 167255

Ion Ratio Lower Upper

92 100

91 172.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU027307.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027307.D (-1918) (-)

7.64

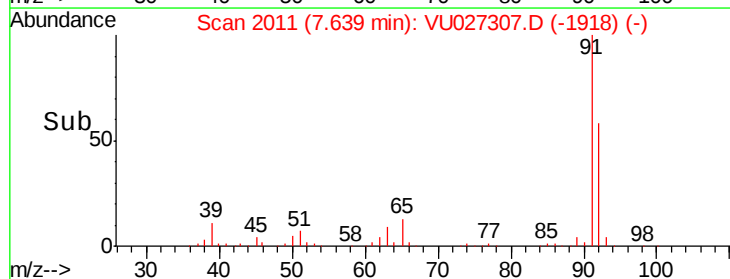
150000

100000

50000

0

Time-->





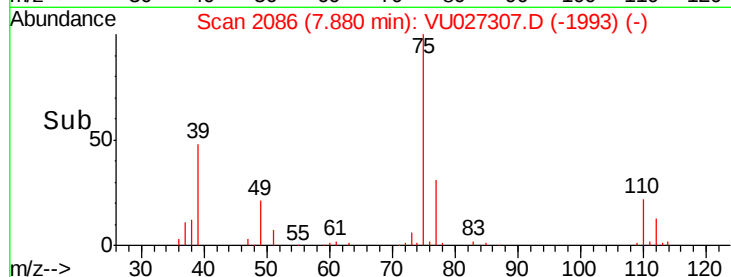
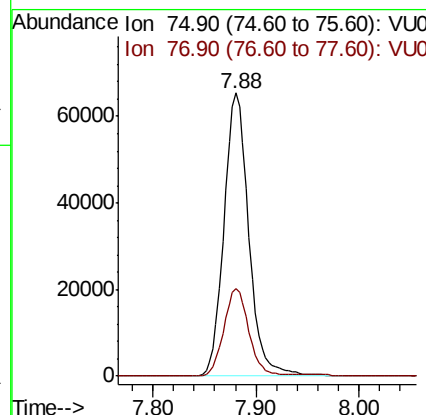
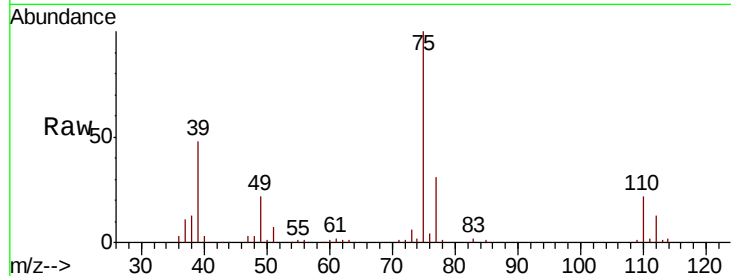
#53
t-1,3-Dichloropropene
Concen: 50.622 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion: 75 Resp: 109455
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9

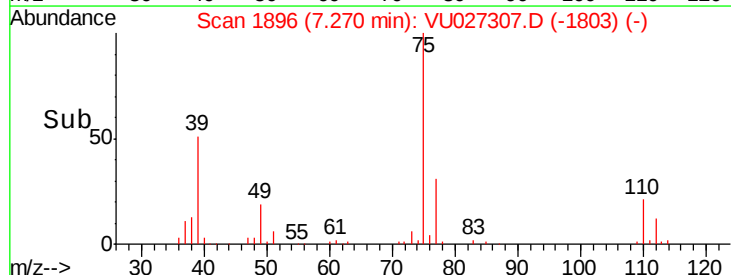
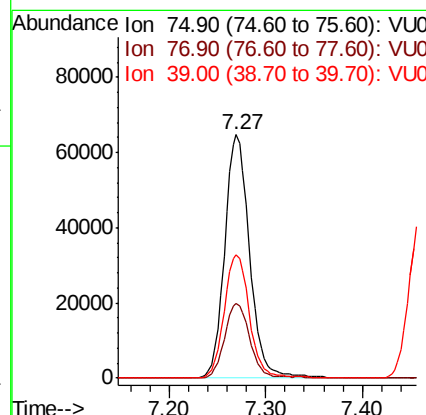
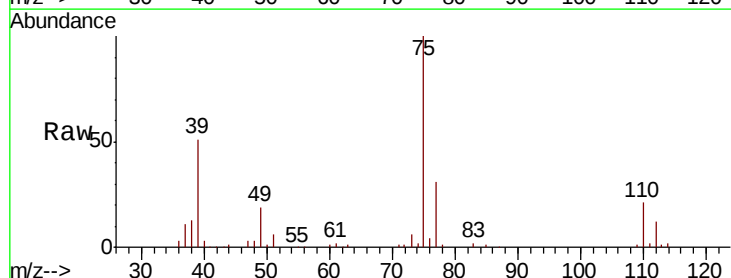
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#54
cis-1,3-Dichloropropene
Concen: 48.601 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion: 75 Resp: 115546
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.0
39 50.5 41.6 62.4





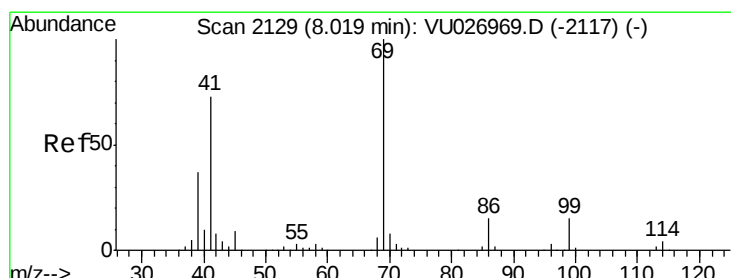
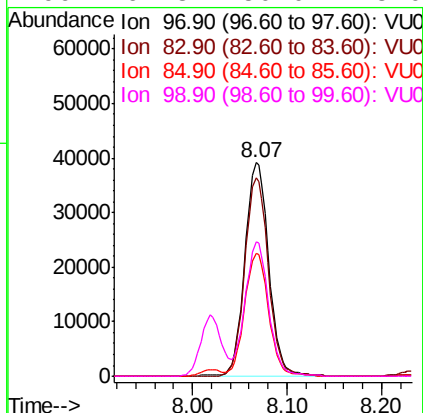
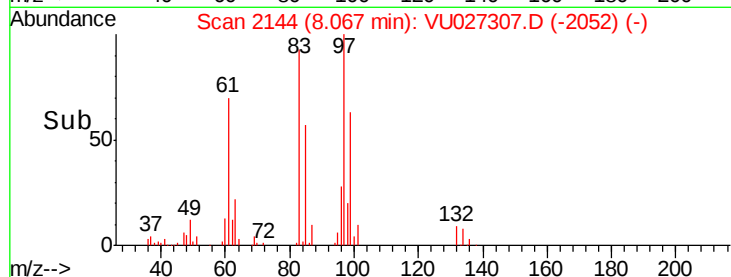
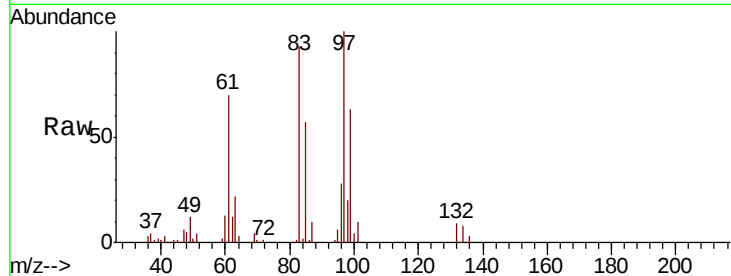
#55
 1,1,2-Trichloroethane
 Concen: 49.164 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion:	97	Resp:	69061
Ion	Ratio	Lower	Upper
97	100		
83	93.1	73.1	109.7
85	57.4	46.7	70.1
99	62.8	50.0	75.0

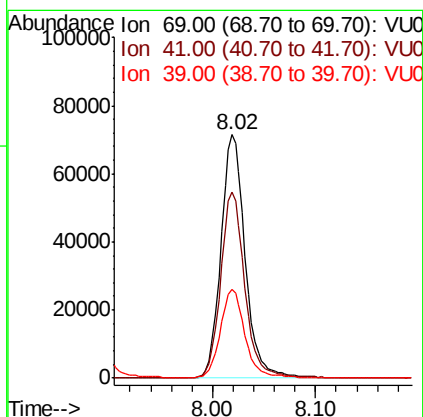
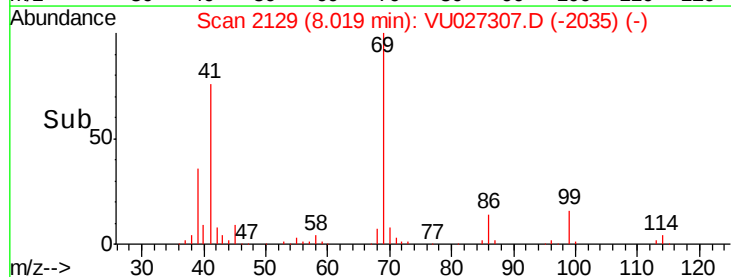
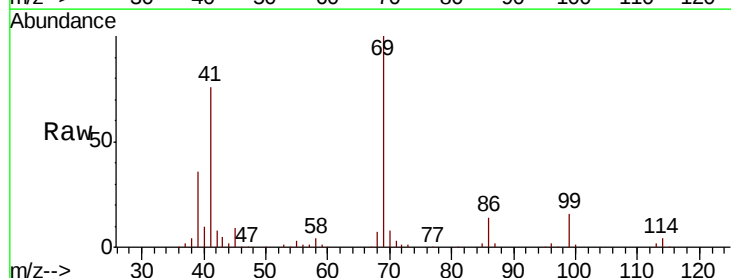
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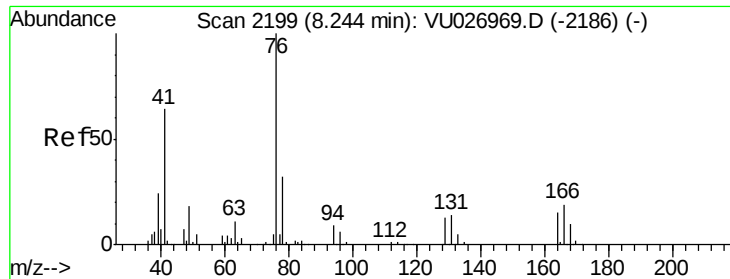
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#56
 Ethyl methacrylate
 Concen: 47.997 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion:	69	Resp:	116758
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.0	88.4
39	36.4	30.2	45.4





#57

1,3-Dichloropropane

Concen: 49.901 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 76 Resp: 130373

Ion Ratio Lower Upper

76 100

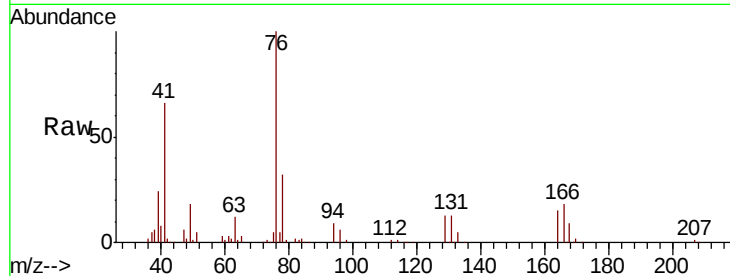
78 31.7 25.5 38.3

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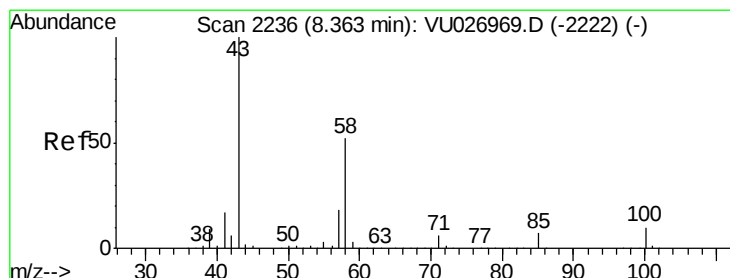
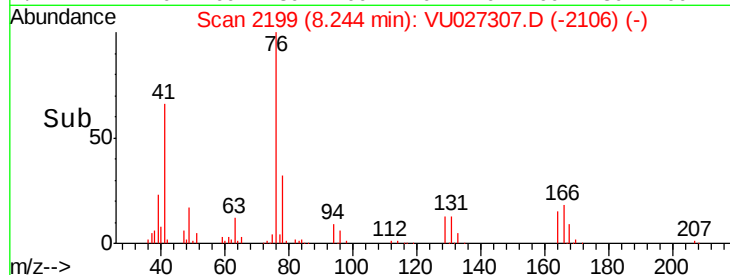
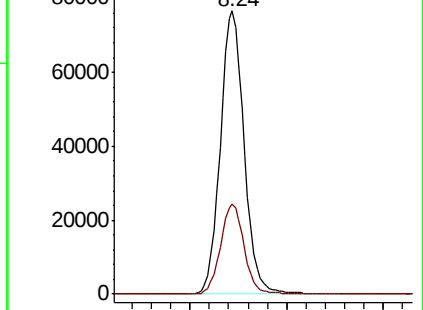
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Abundance Ion 75.90 (75.60 to 76.60): VU027307.D (-2106) (-)

Ion 77.90 (77.60 to 78.60): VU027307.D (-2106) (-)



#59

2-Hexanone

Concen: 254.439 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027307.D

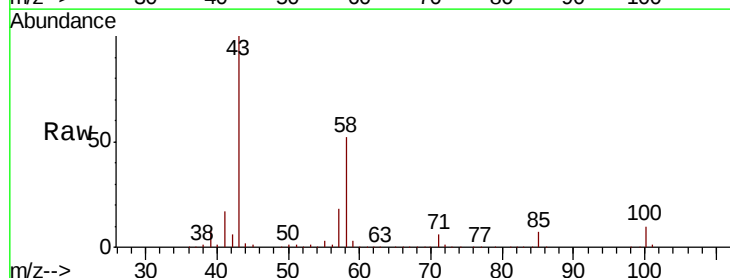
Acq: 29 Sep 2018 05:48

Tgt Ion: 43 Resp: 503127

Ion Ratio Lower Upper

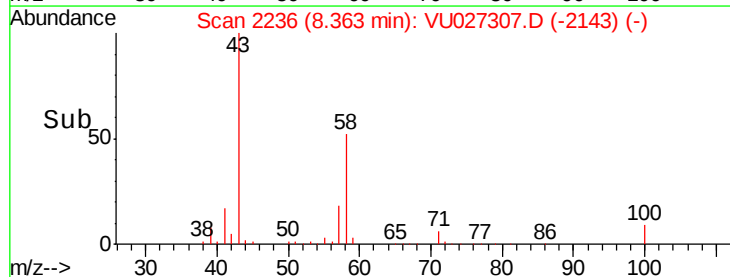
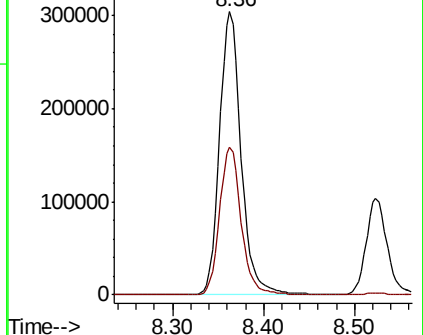
43 100

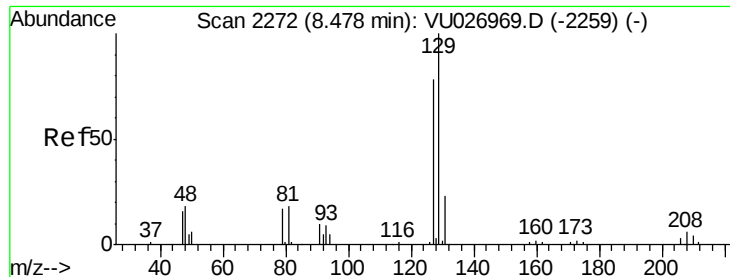
58 52.1 26.1 78.2



Abundance Ion 43.00 (42.70 to 43.70): VU027307.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU027307.D (-2143) (-)





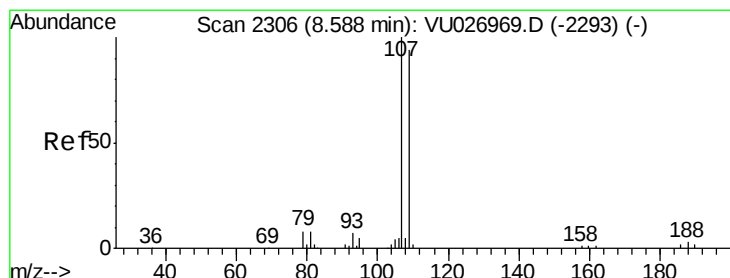
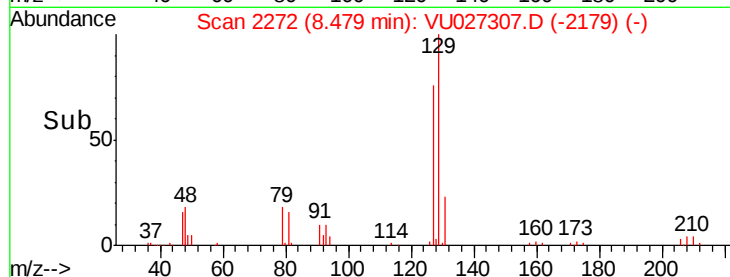
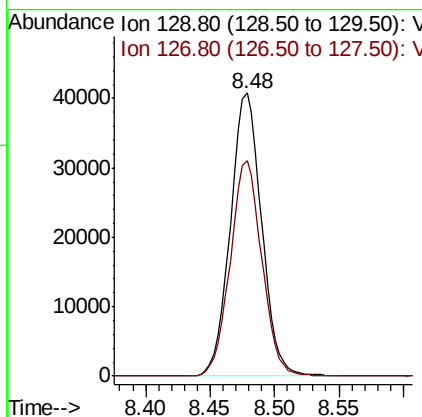
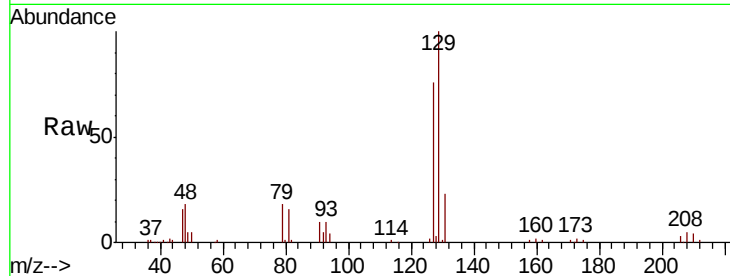
#60
 Dibromochloromethane
 Concen: 49.757 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.5

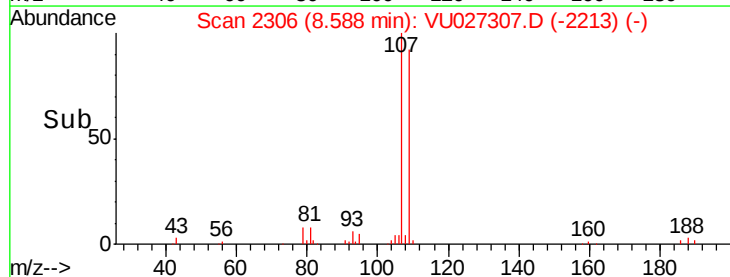
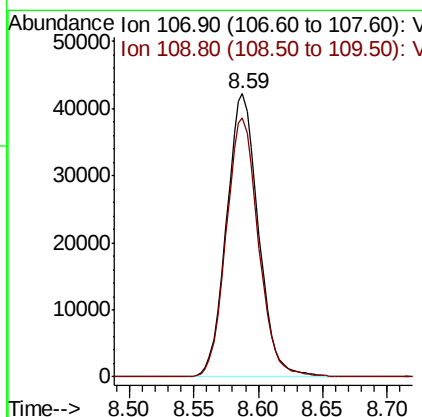
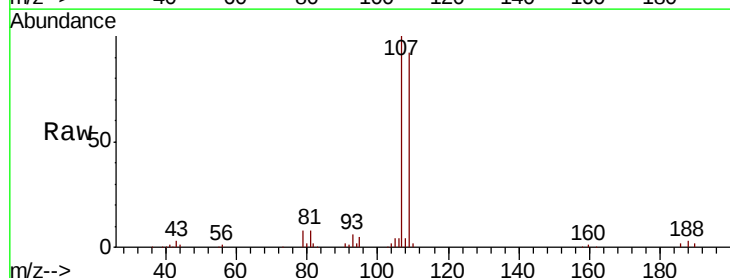
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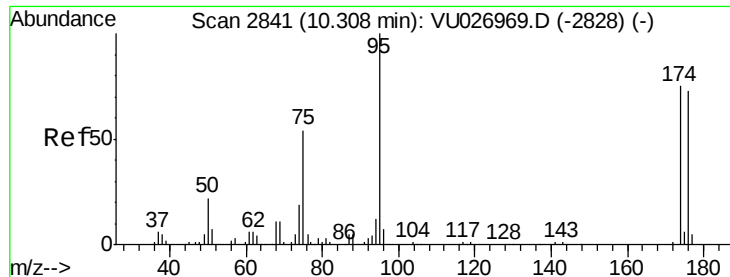
MMDadoda
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#61
 1,2-Dibromoethane
 Concen: 49.485 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6





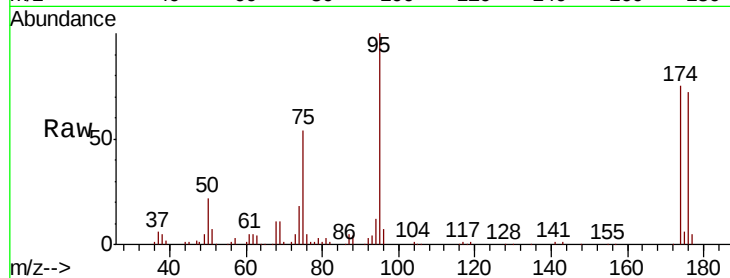
#62
4-Bromofluorobenzene
Concen: 49.754 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.2
176	71.3	0.0	145.2

Manual Integrations
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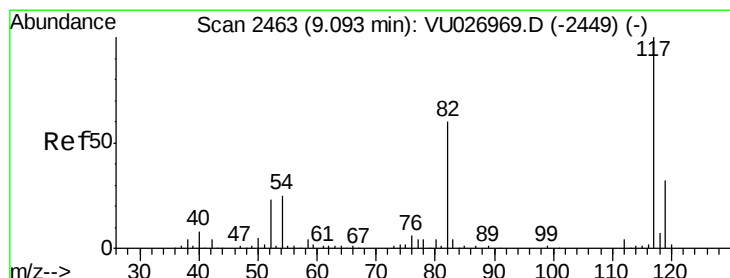
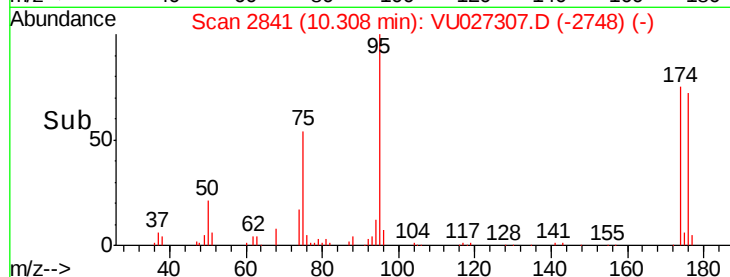
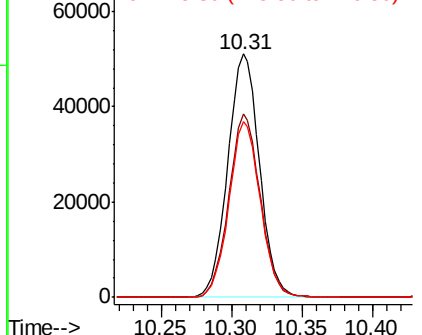
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Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

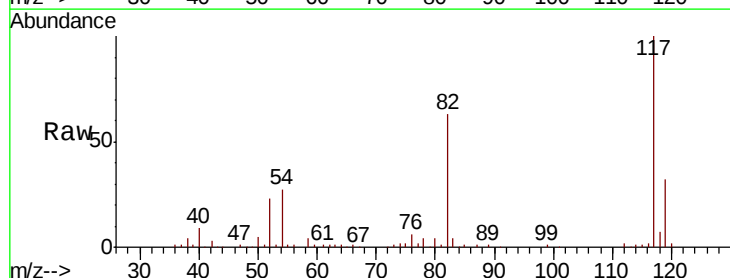
Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

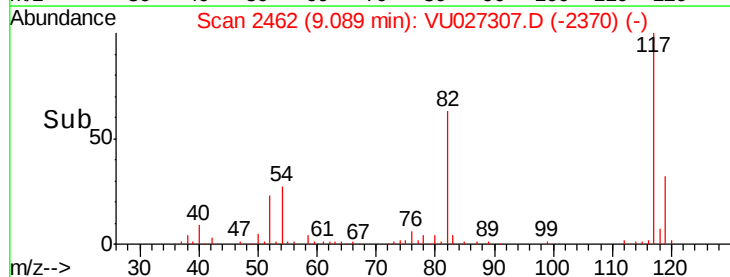
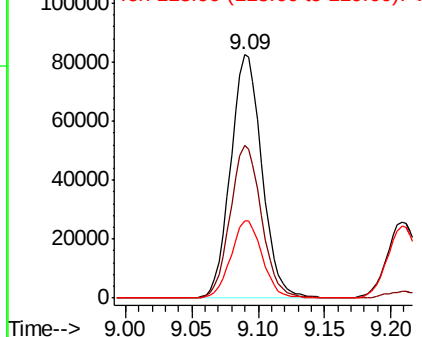
Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.0	72.0
119	31.8	25.8	38.8

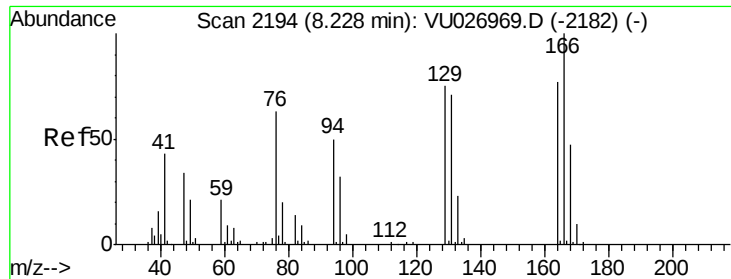


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#64

Tetrachloroethene

Concen: 46.776 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027307.D

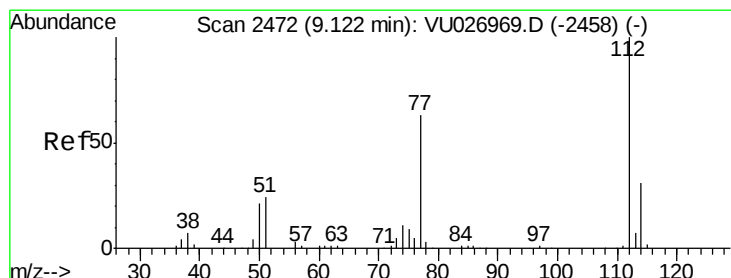
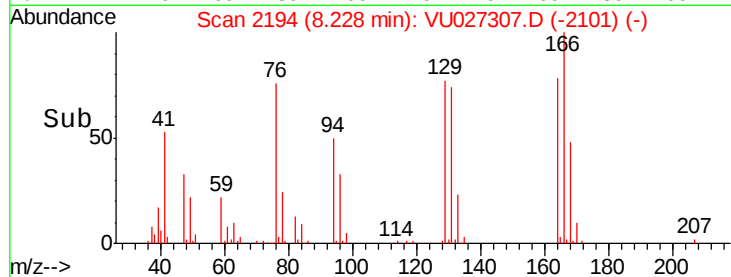
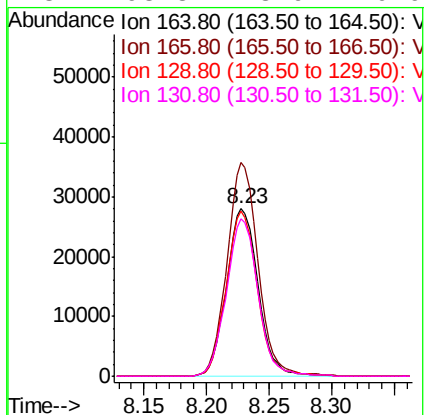
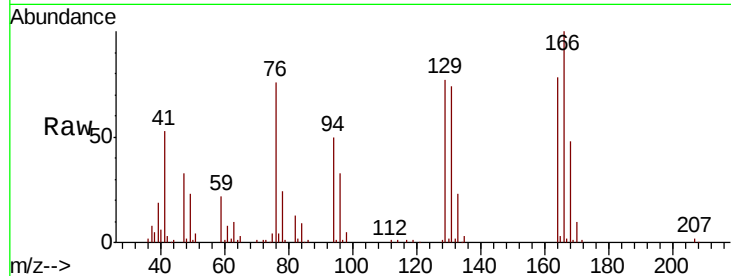
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion:	164	Resp:	48958
Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.4	156.6
129	98.7	78.7	118.1
131	93.8	73.9	110.9

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#65

Chlorobenzene

Concen: 47.978 ug/l

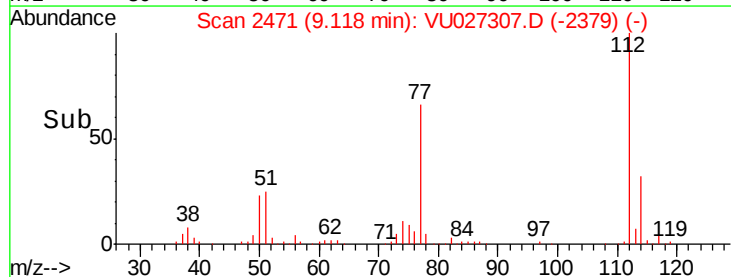
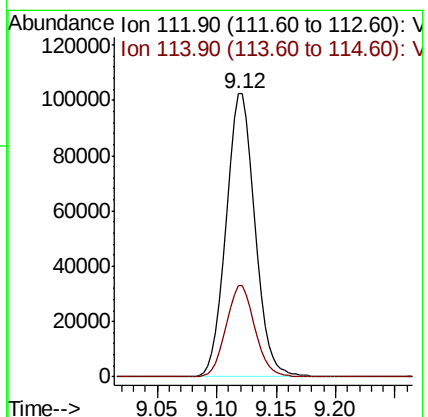
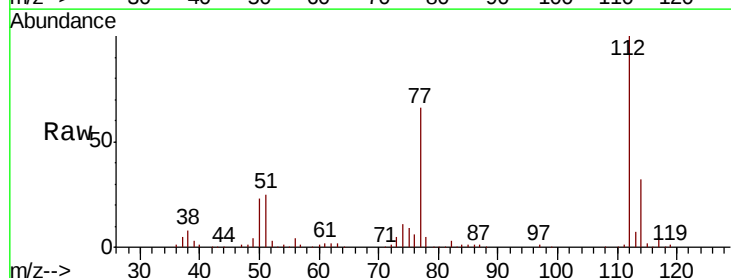
RT: 9.12 min Scan# 2471

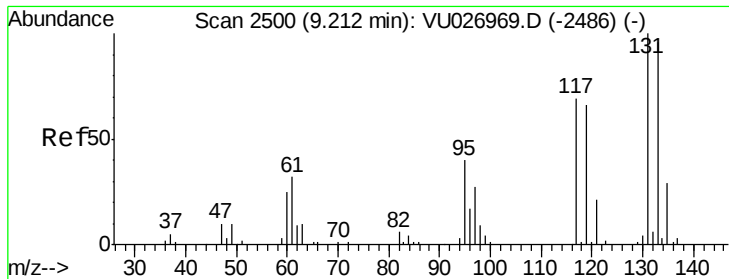
Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion:	112	Resp:	172792
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6





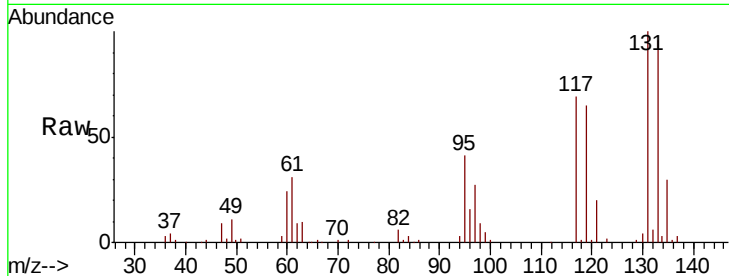
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.398 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.2
119	65.2	33.4	100.1

Manual Integrations
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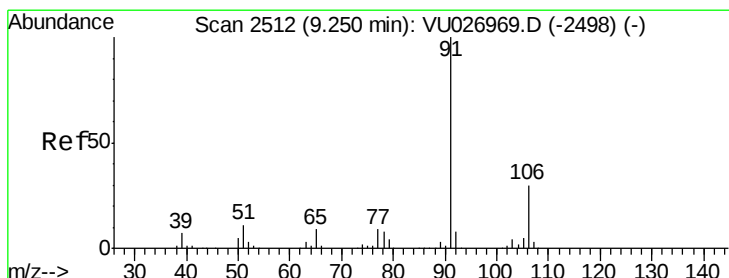
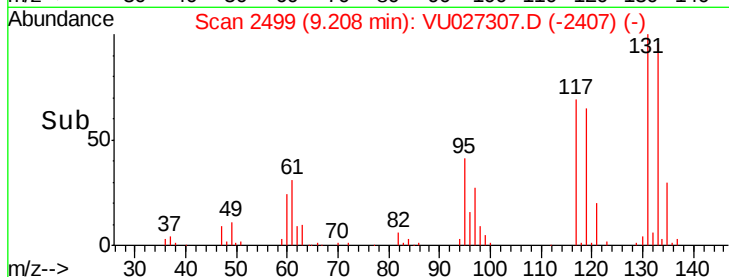
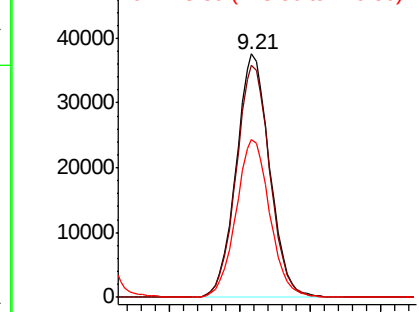


Abundance

Ion 130.80 (130.50 to 131.50): V

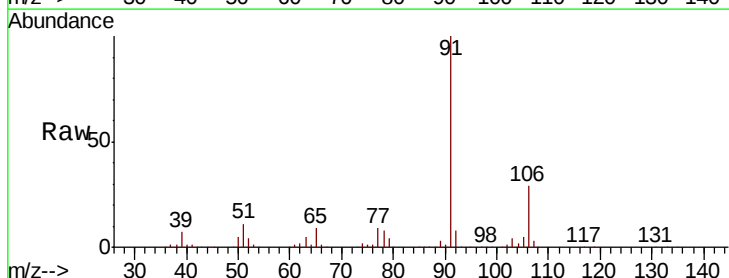
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67
 Ethyl Benzene
 Concen: 53.398 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

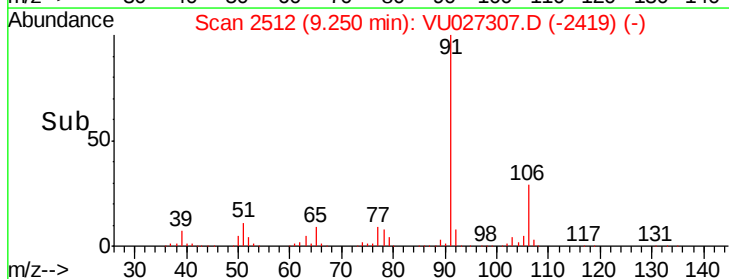
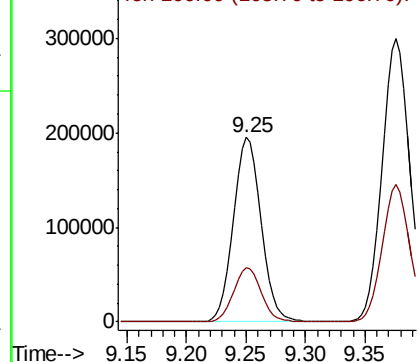
Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.8	35.8

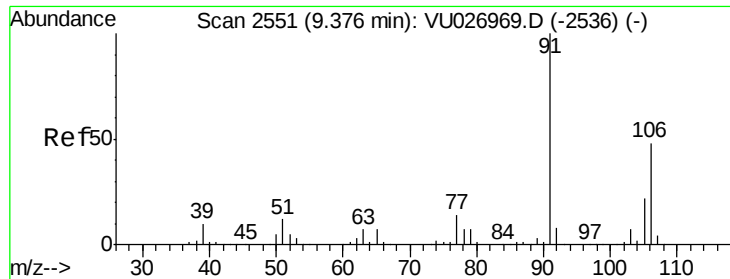


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





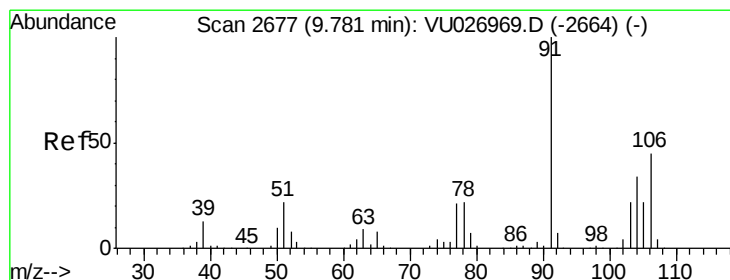
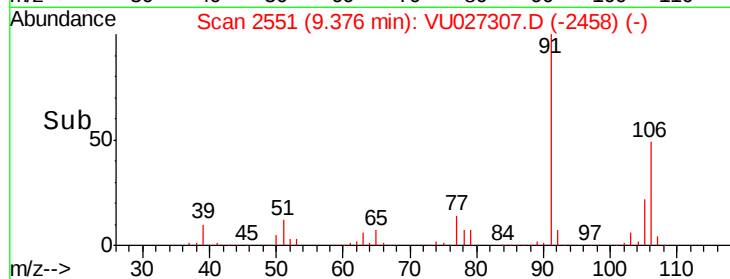
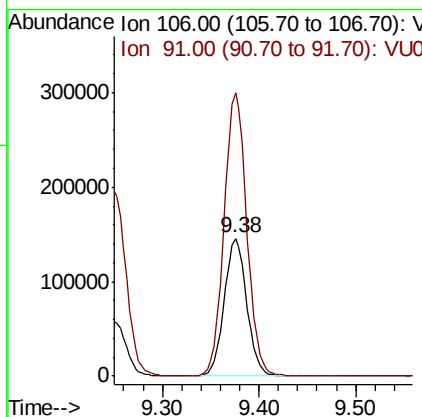
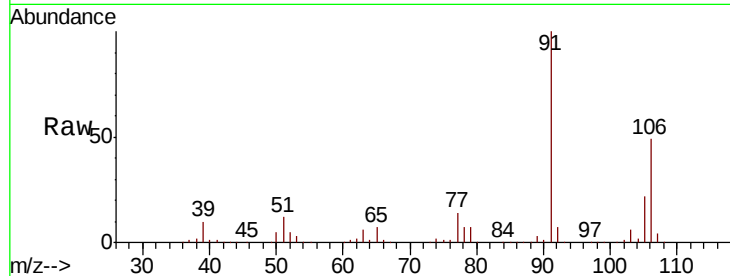
#68
m/p-Xylenes
Concen: 98.248 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion:106 Resp: 235574
Ion Ratio Lower Upper
106 100
91 207.1 166.5 249.7

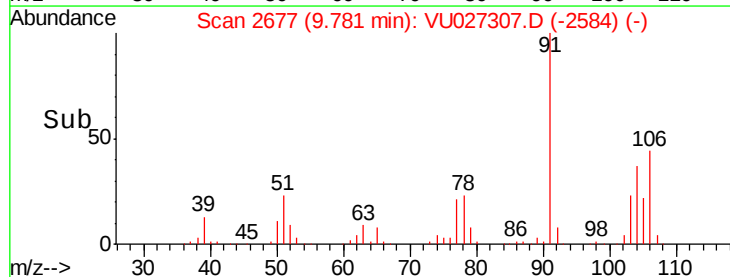
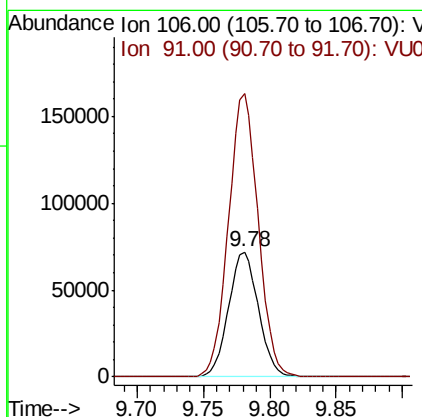
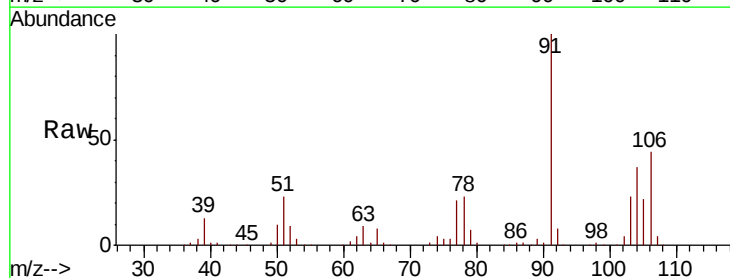
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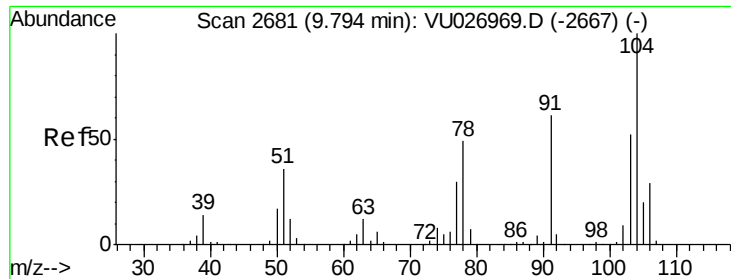
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#69
o-Xylene
Concen: 53.575 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:106 Resp: 112416
Ion Ratio Lower Upper
106 100
91 225.5 110.2 330.6





#70

Stvrene

Concen: 47.802 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027307.D

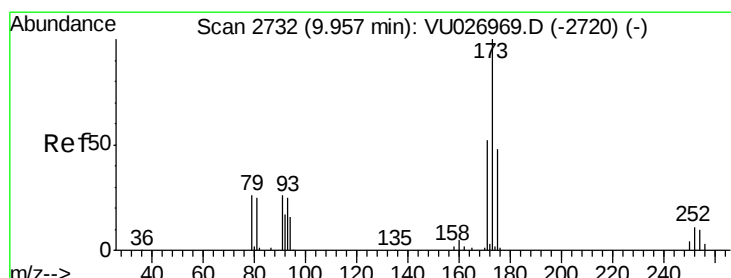
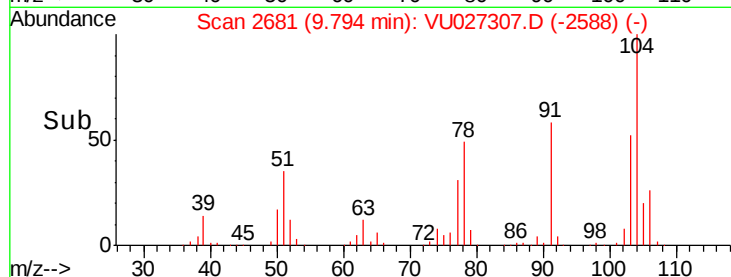
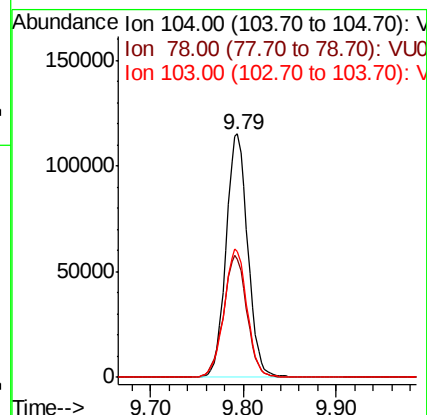
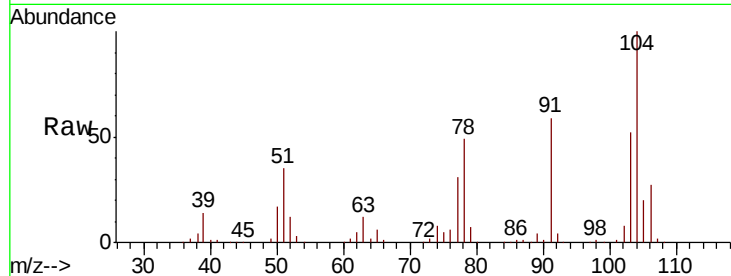
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion:	104	Resp:	186960
Ion Ratio	Lower	Upper	
104	100		
78	53.7	43.0	64.4
103	55.7	44.1	66.1

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#71

Bromoform

Concen: 50.628 ug/l

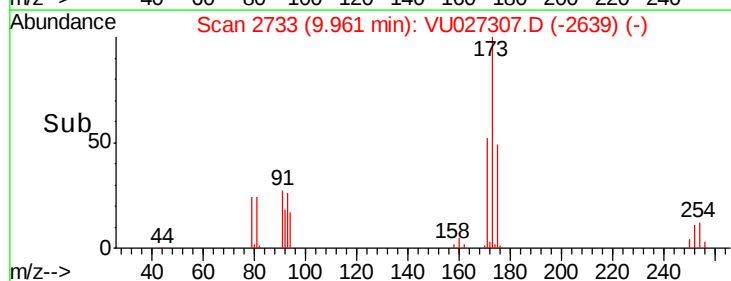
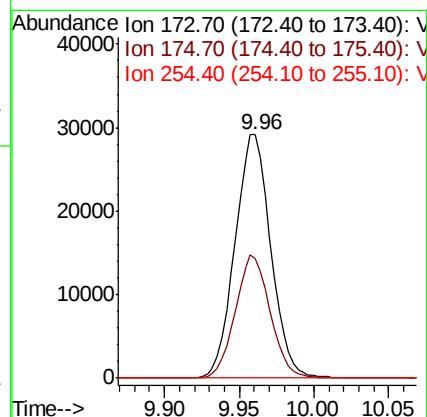
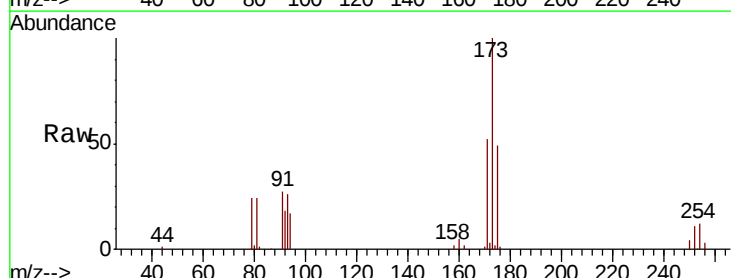
RT: 9.96 min Scan# 2733

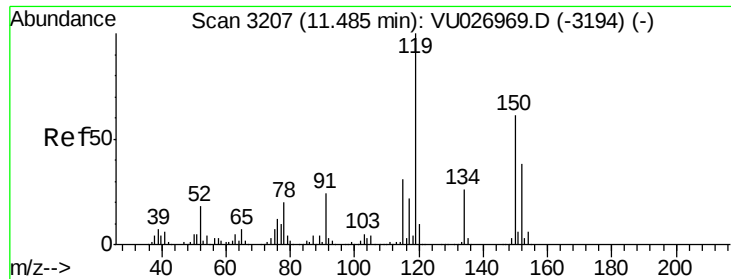
Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion:	173	Resp:	48566
Ion Ratio	Lower	Upper	
173	100		
175	48.9	23.9	71.8
254	0.0	0.0	0.0





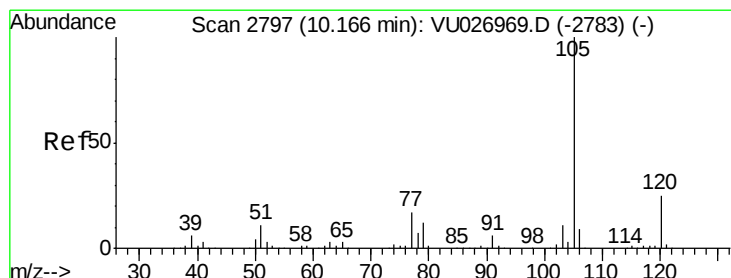
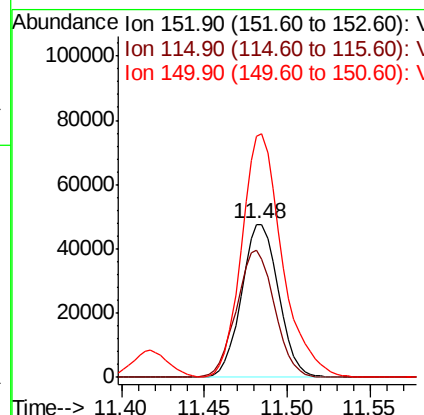
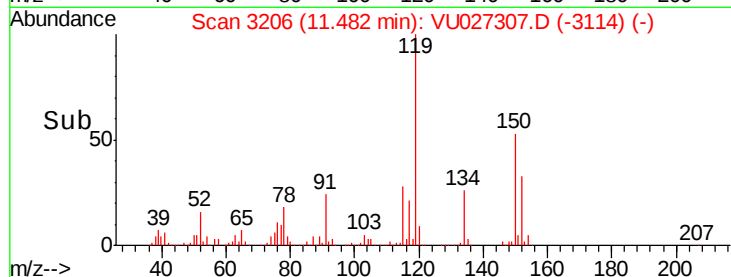
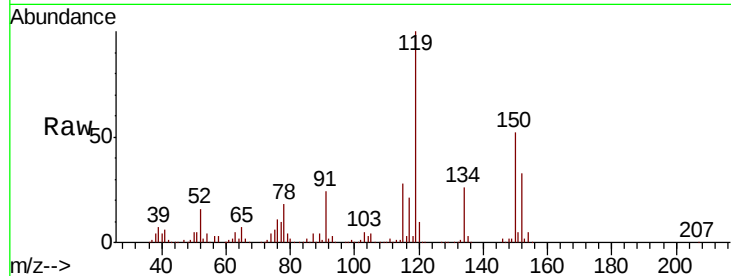
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	85.7	44.9	134.5
150	174.6	0.0	355.8

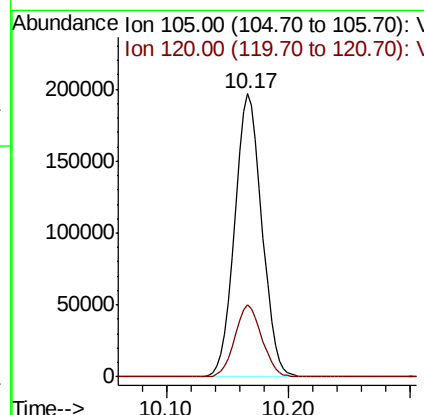
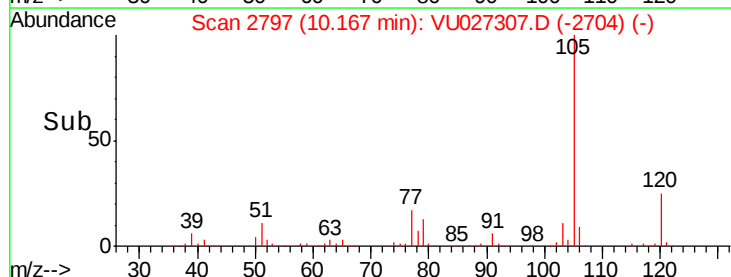
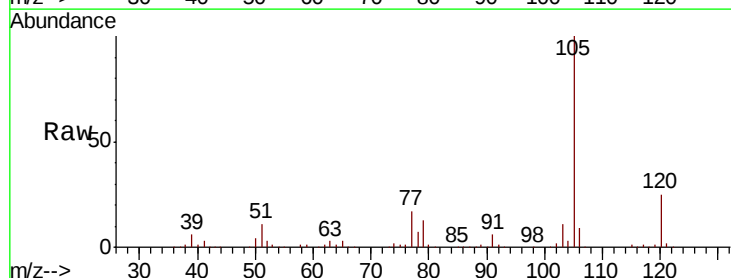
Manual Integrations
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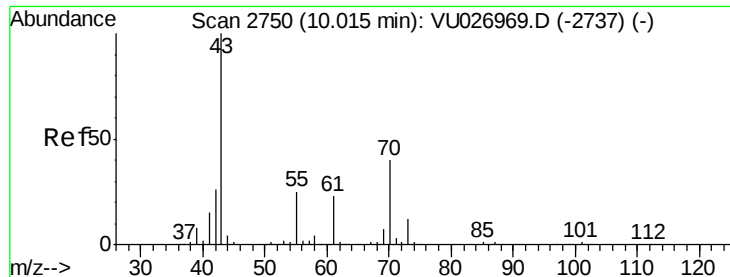
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 10/2/2018 1:08:31 PM



#73
 Isopropylbenzene
 Concen: 54.445 ug/l
 RT: 10.17 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4





#74

N-amvl acetate

Concen: 49.663 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027307.D

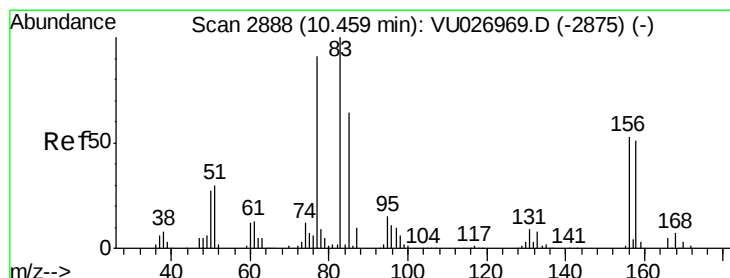
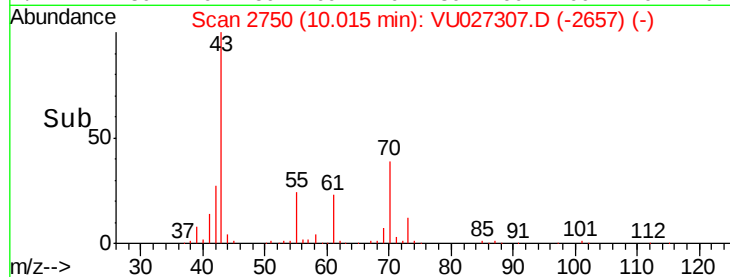
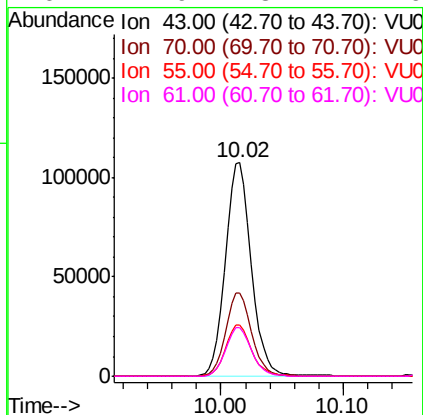
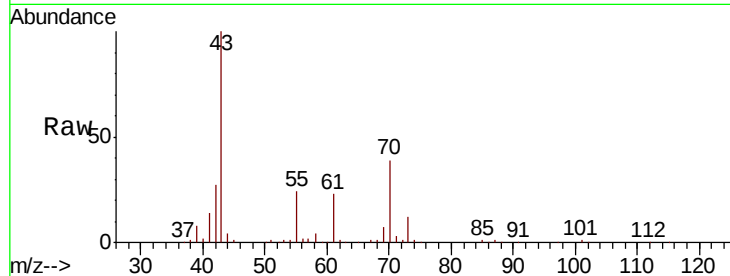
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	43	Resp	161180
Ion	Ratio	Lower	Upper
43	100		
70	38.9	31.8	47.8
55	24.2	19.9	29.9
61	22.9	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 46.399 ug/l

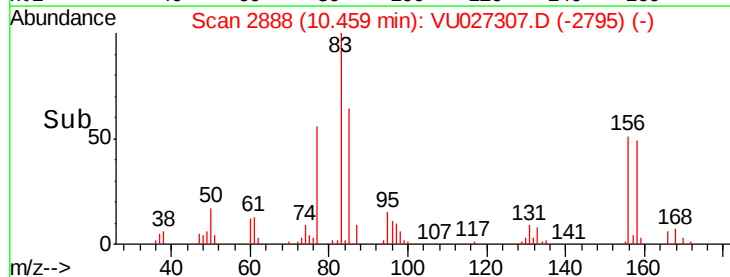
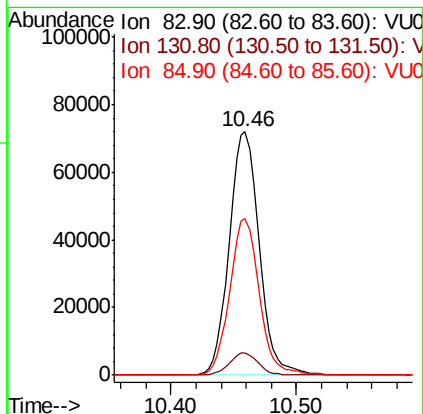
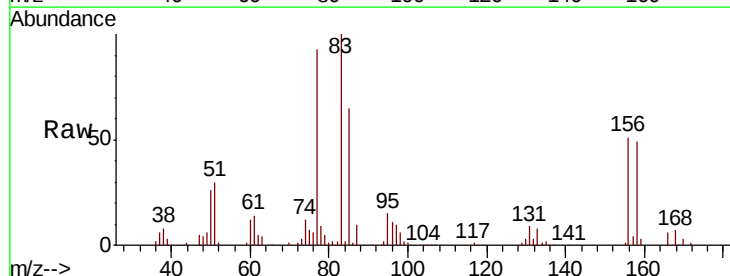
RT: 10.46 min Scan# 2888

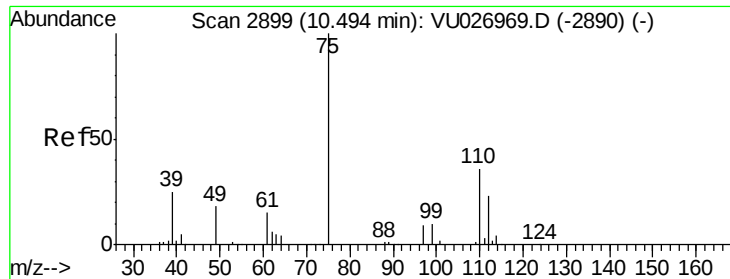
Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion	83	Resp	119609
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	63.6	31.9	95.7





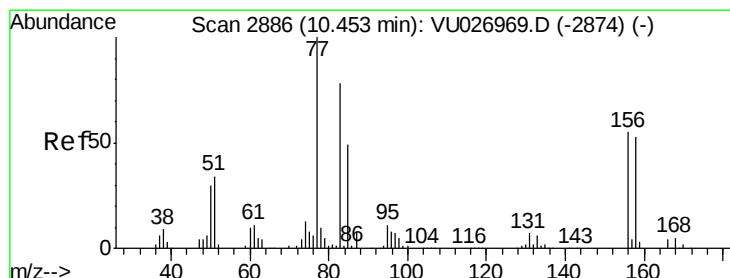
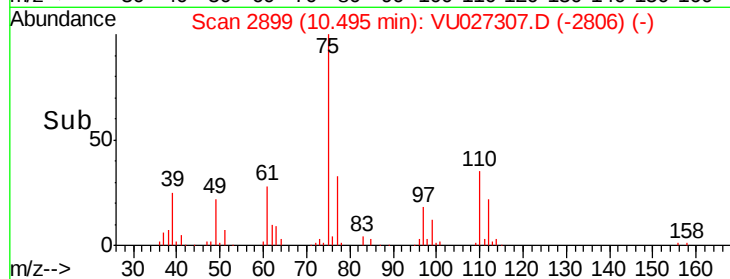
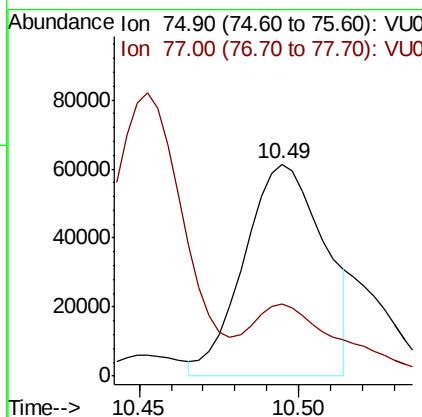
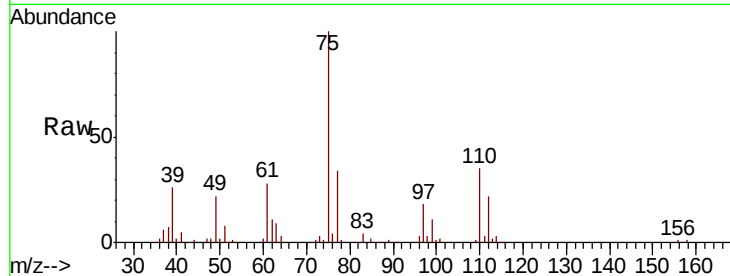
#76
 1,2,3-Trichloropropane
 Concen: 47.538 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion: 75 Resp: 106446
 Ion Ratio Lower Upper
 75 100
 77 39.7 20.9 62.8

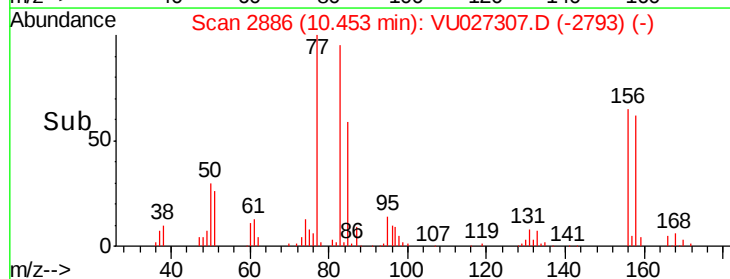
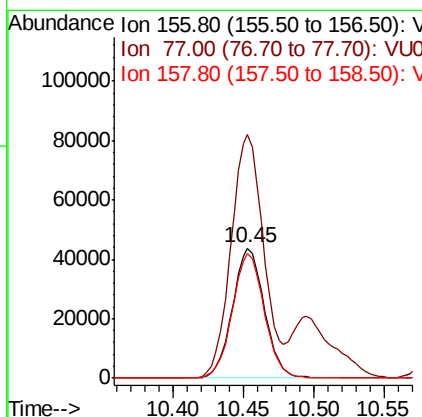
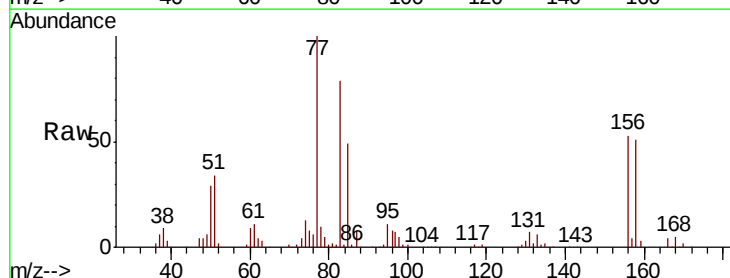
Manual Integrations
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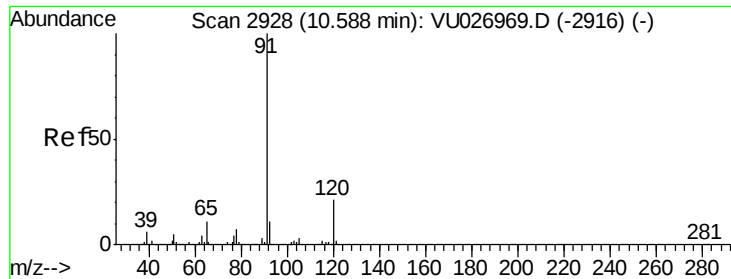
MMDadoda
 10/2/2018 1:08:31 PM



#77
 Bromobenzene
 Concen: 50.755 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 156 Resp: 69541
 Ion Ratio Lower Upper
 156 100
 77 190.5 92.3 276.9
 158 95.5 48.1 144.3





#78

n-propylbenzene

Concen: 54.466 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 91 Resp: 361334

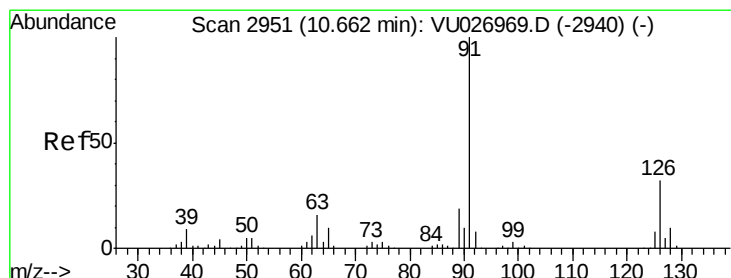
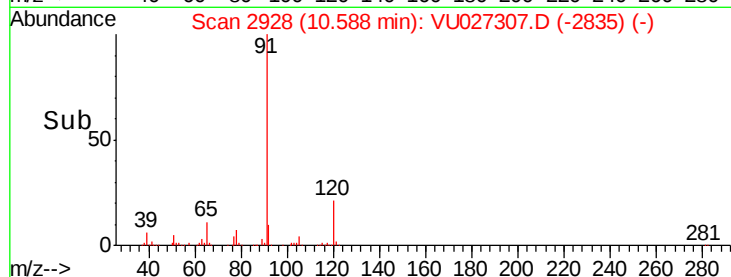
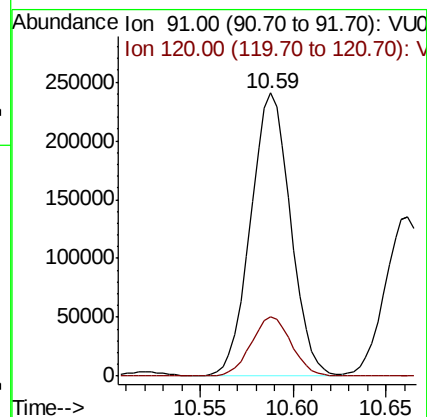
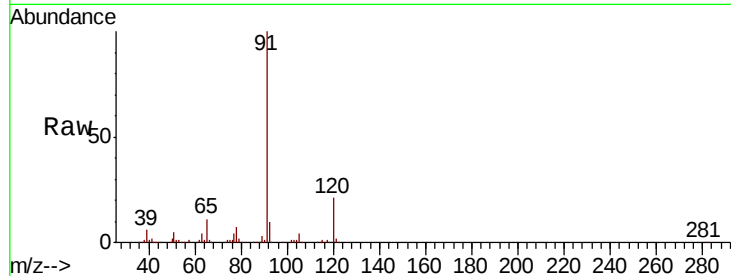
Ion Ratio Lower Upper

91 100

120 21.1 10.6 31.8

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#79

2-Chlorotoluene

Concen: 51.411 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027307.D

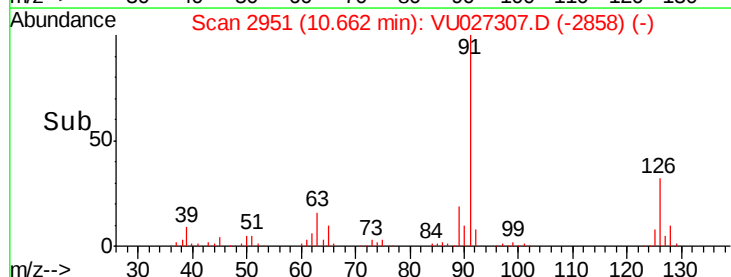
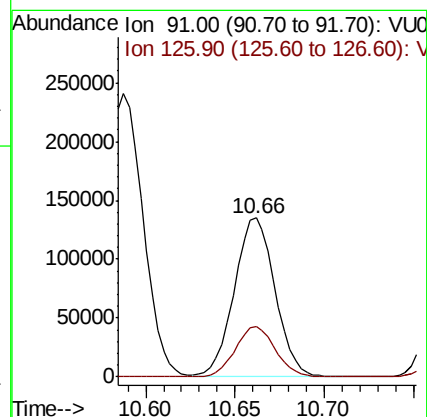
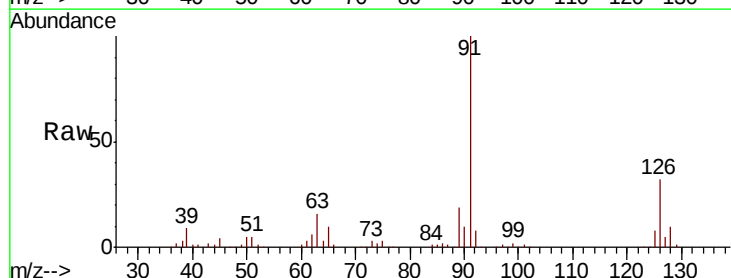
Acq: 29 Sep 2018 05:48

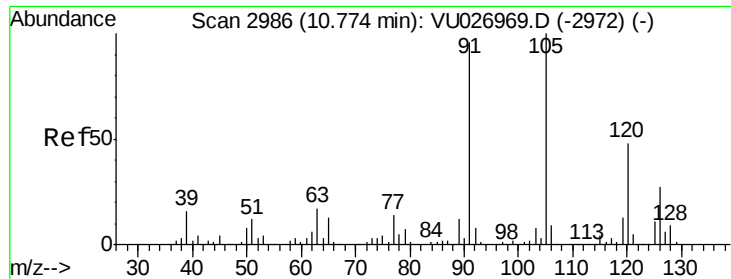
Tgt Ion: 91 Resp: 214235

Ion Ratio Lower Upper

91 100

126 31.3 15.8 47.3





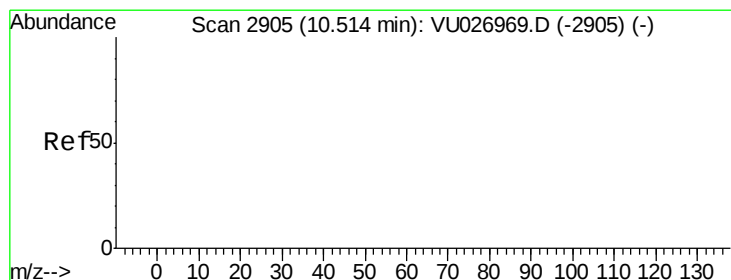
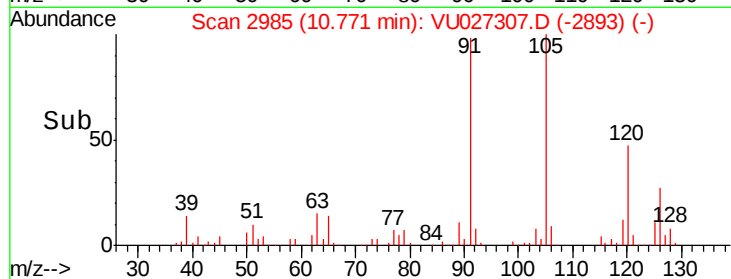
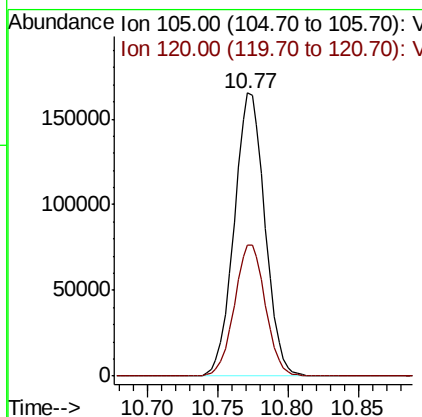
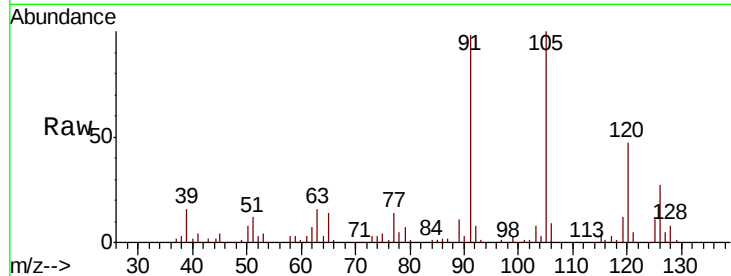
#80
 1,3,5-Trimethylbenzene
 Concen: 54.472 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion: 105 Resp: 252110
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.9 71.7

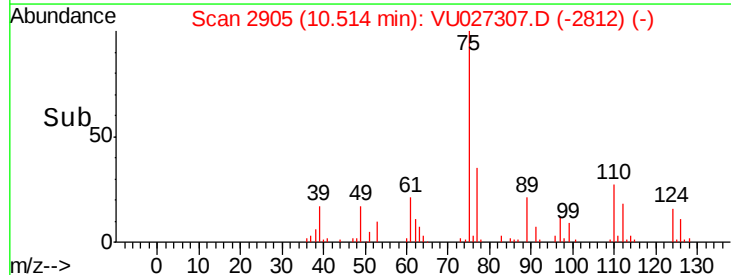
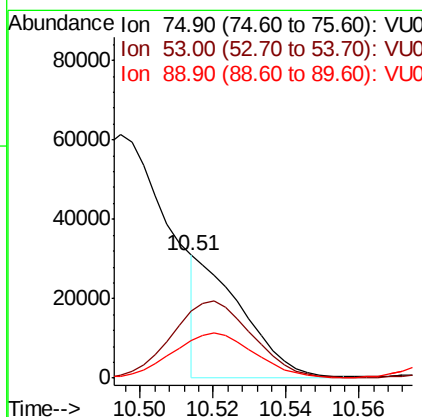
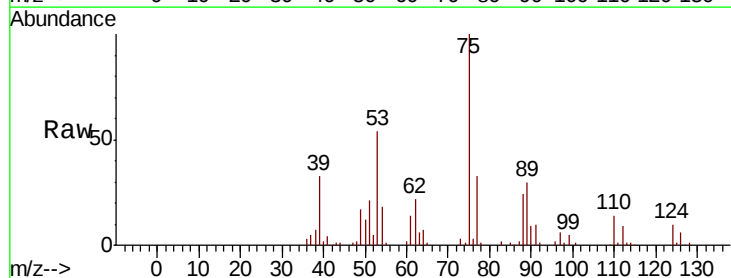
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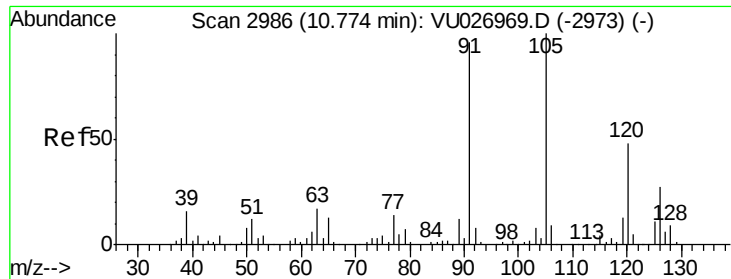
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.289 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion: 75 Resp: 26791
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 53.204 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

ClientSampleId :

SA-TW502-0913MS

Tot Ion: 91 Resp: 248596

Ion Ratio Lower Upper

91 100

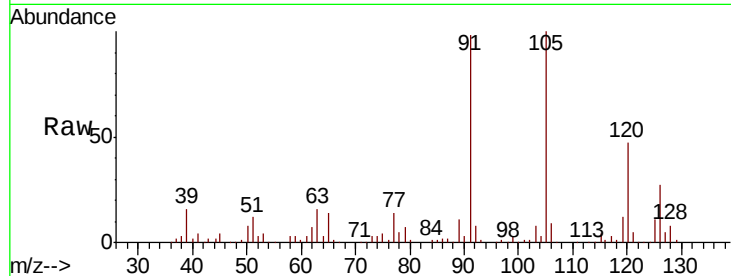
126 27.7 14.1 42.2

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2973) (-)

10.77

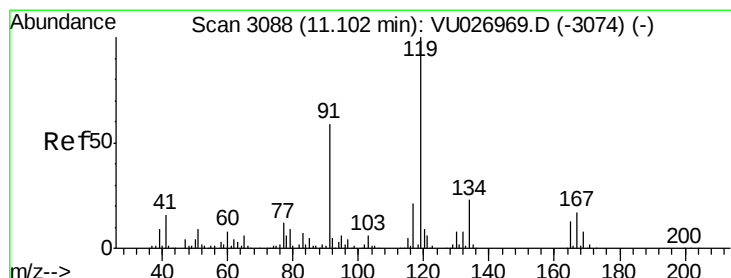
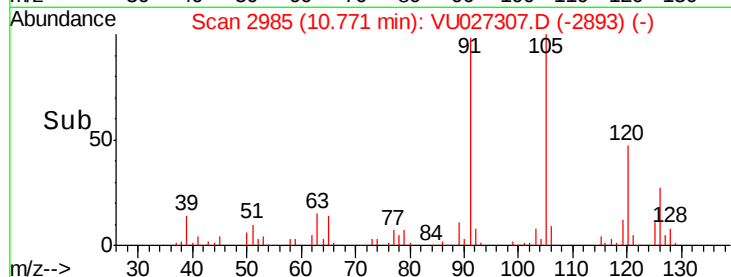
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 53.267 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

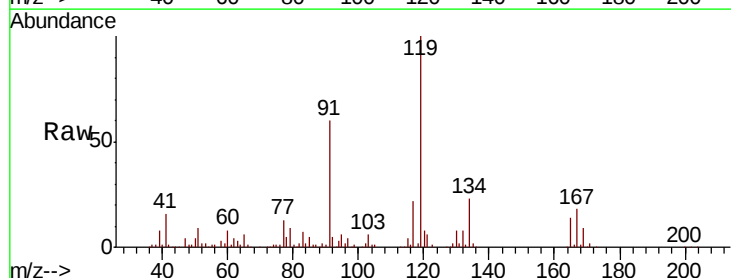
Tgt Ion: 119 Resp: 243739

Ion Ratio Lower Upper

119 100

91 59.4 29.8 89.4

134 22.6 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): VU026969.D (-3074) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-3074) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3074) (-)

11.10

200000

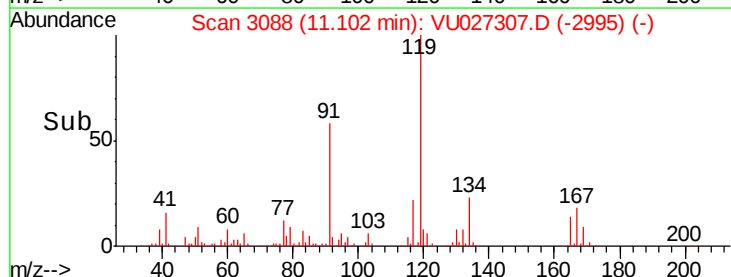
150000

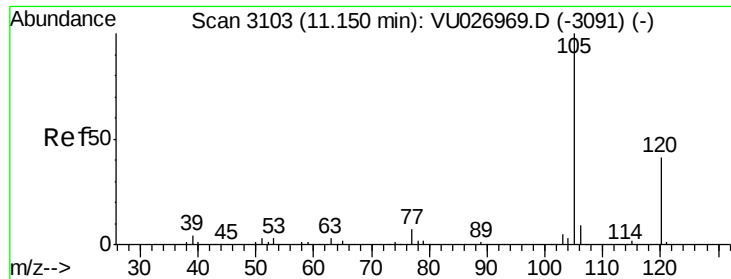
100000

50000

0

Time-->





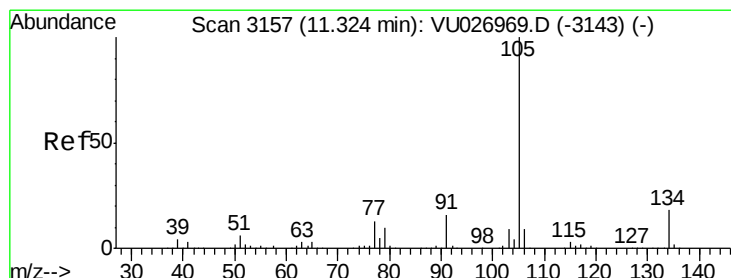
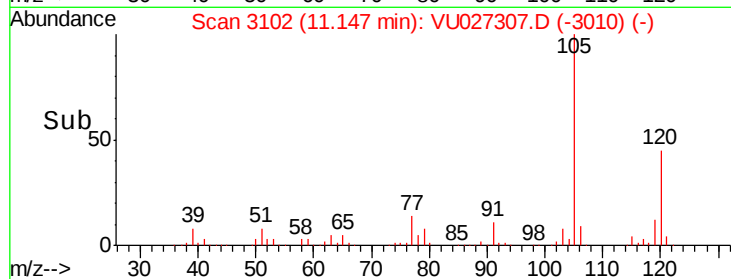
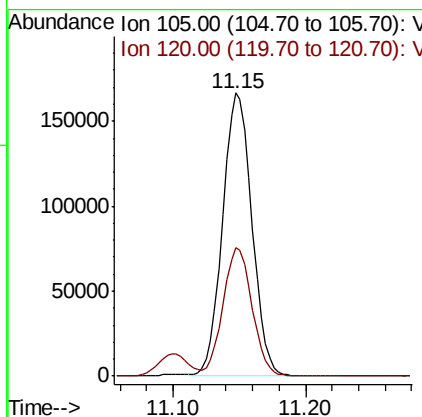
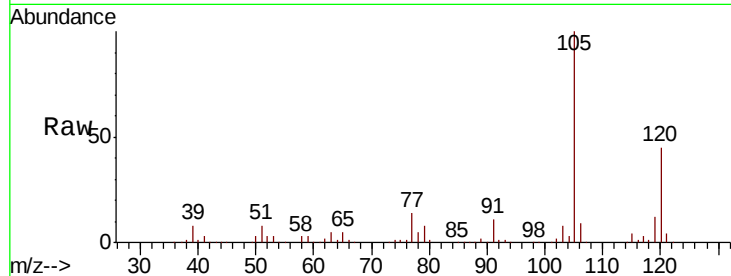
#84
 1,2,4-Trimethylbenzene
 Concen: 54.160 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.2

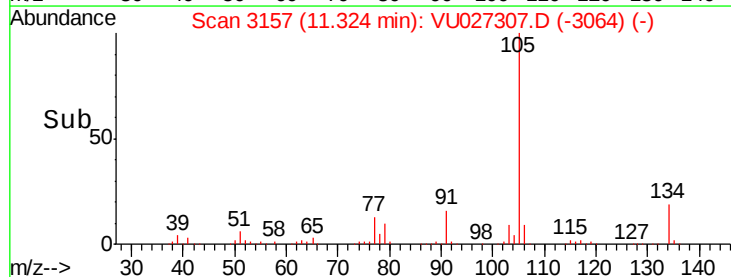
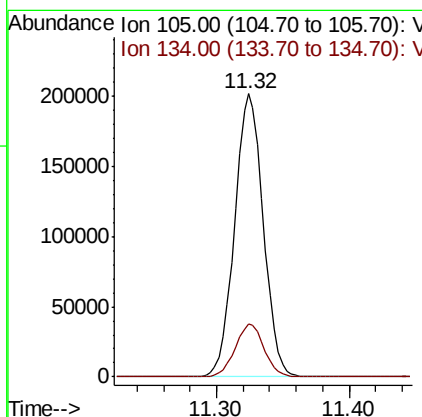
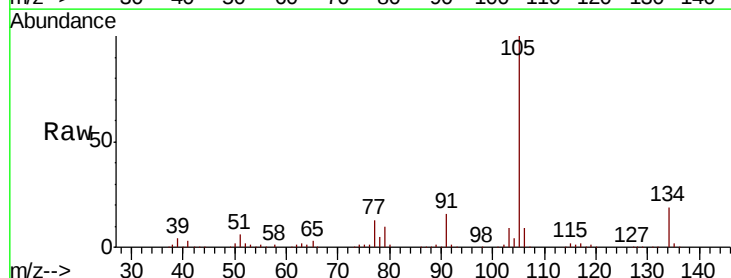
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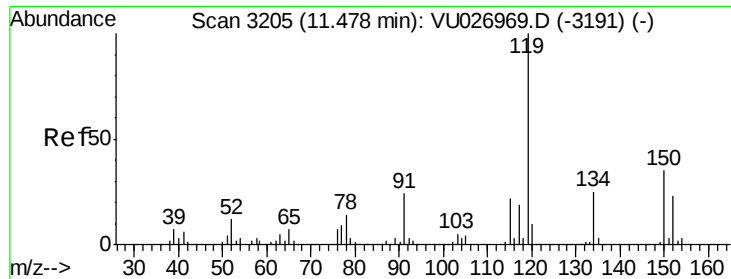
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#85
 sec-Butylbenzene
 Concen: 53.910 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.2





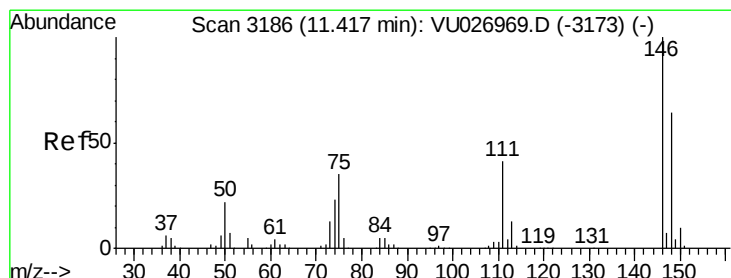
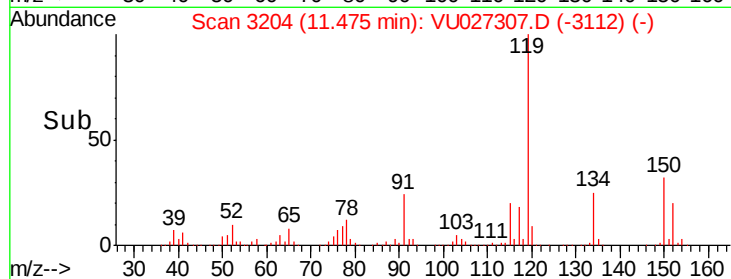
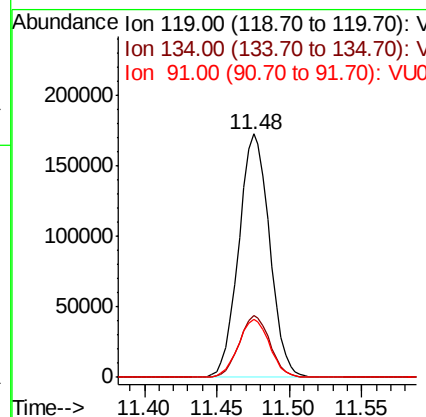
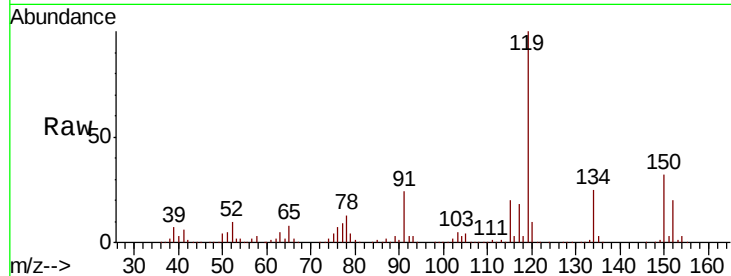
#86
p-Isopropyltoluene
Concen: 48.605 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.8	38.3
91	24.1	12.3	36.8

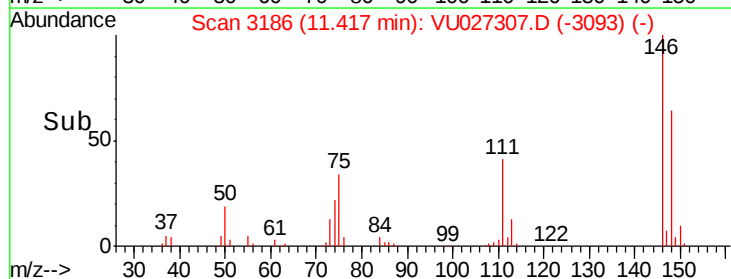
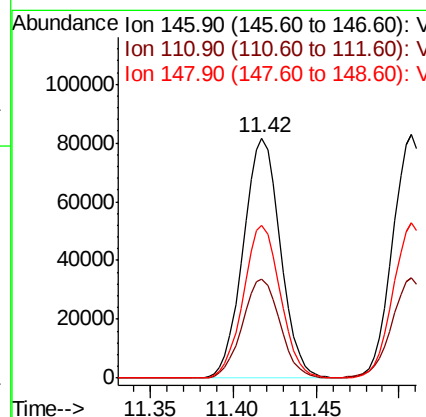
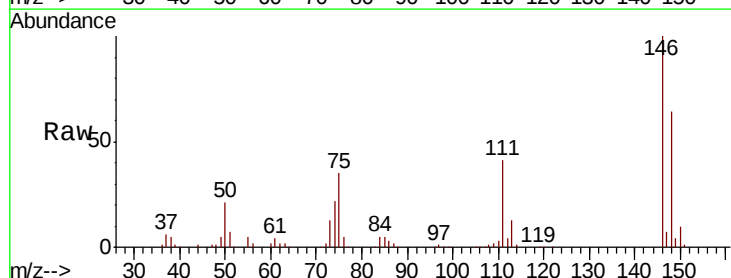
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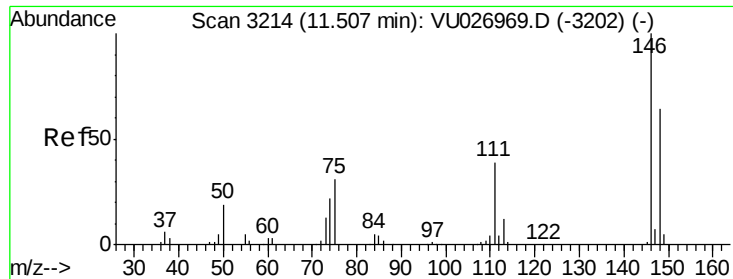
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#87
1,3-Dichlorobenzene
Concen: 49.909 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.2
148	63.6	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 46.237 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027307.D

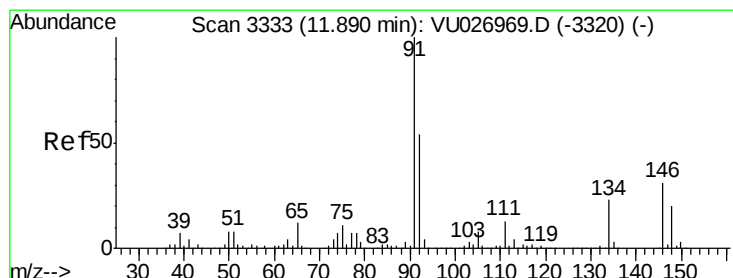
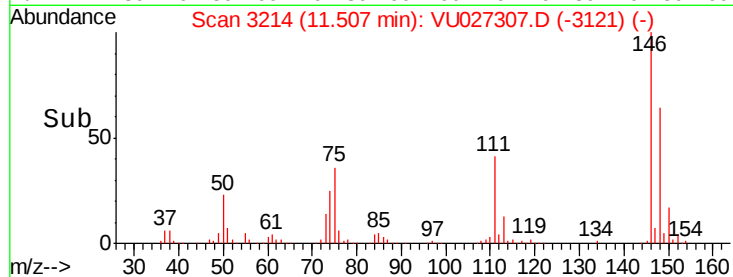
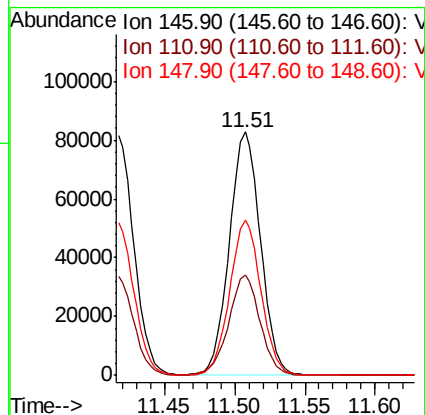
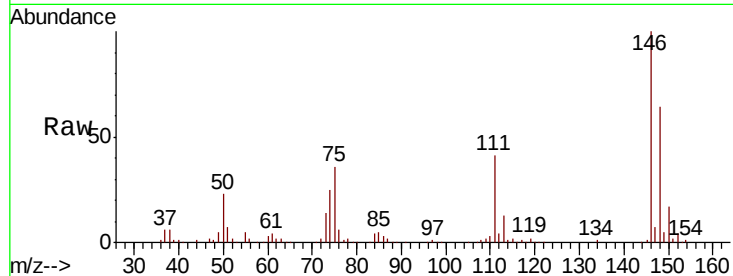
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion:	146	Resp:	128484
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.3	60.9
148	63.6	31.9	95.9

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#89

n-Butylbenzene

Concen: 45.822 ug/l

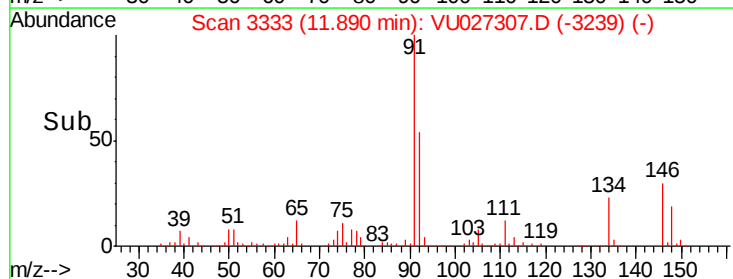
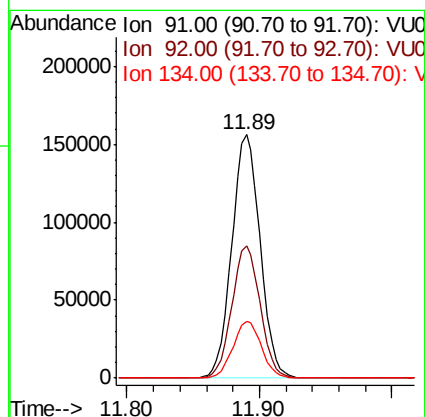
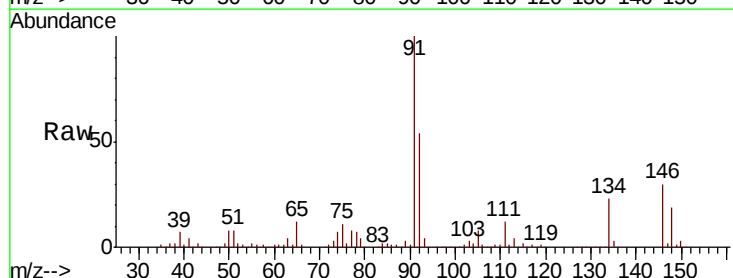
RT: 11.89 min Scan# 3333

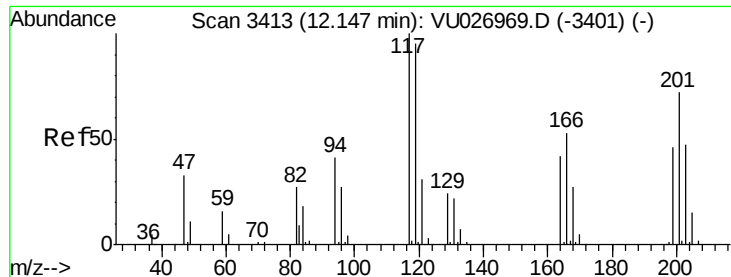
Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion:	91	Resp:	231741
Ion Ratio	Lower	Upper	
91	100		
92	53.9	27.1	81.2
134	23.4	11.7	35.0





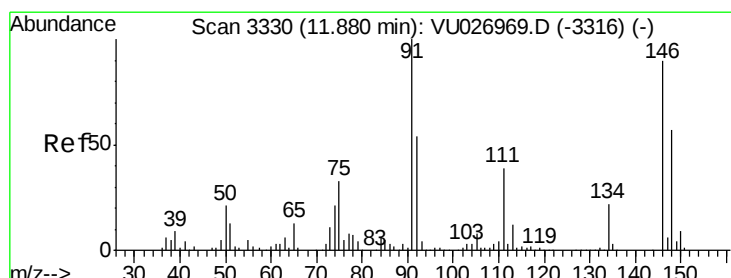
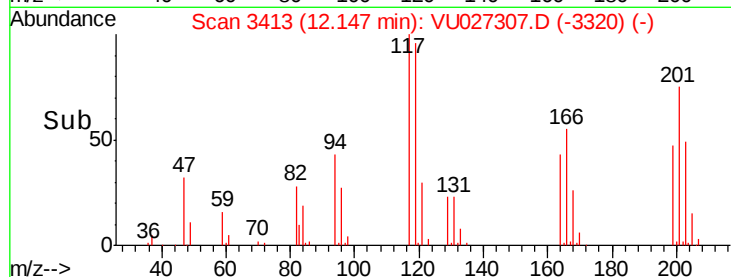
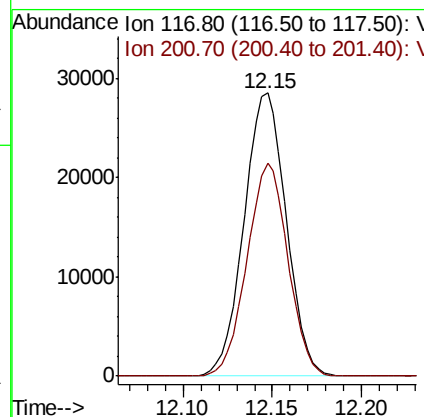
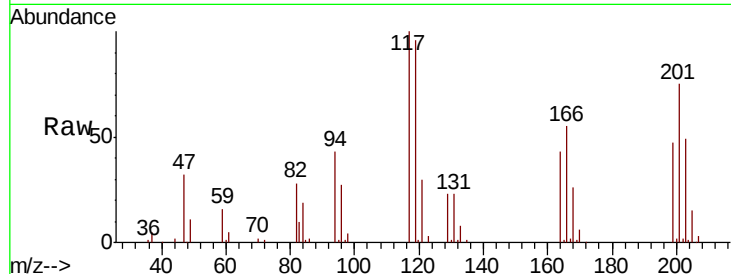
#90
Hexachloroethane
Concen: 46.492 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Instrument :
MSVOA_U
ClientSampleId :
SA-TW502-0913MS

Tot Ion:117 Resp: 47224
Ion Ratio Lower Upper
117 100
201 73.0 36.8 110.3

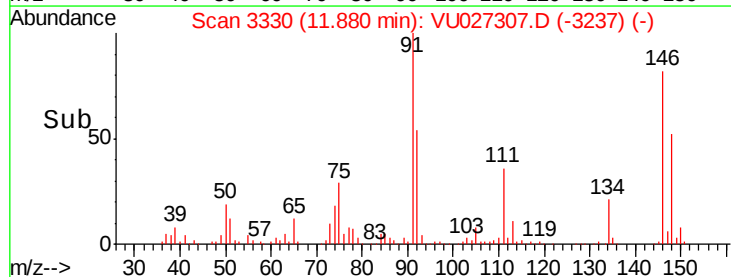
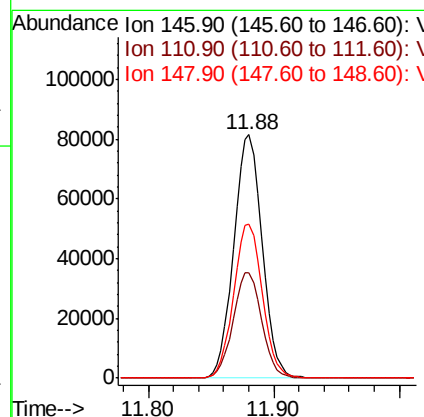
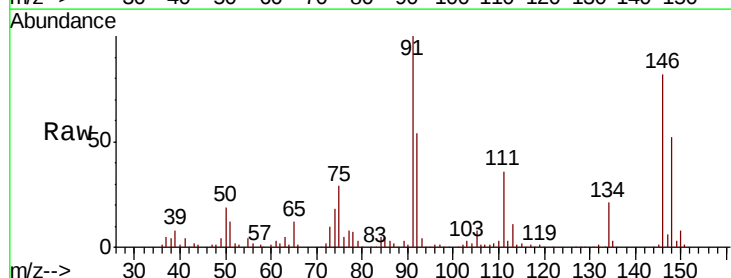
Manual Integrations
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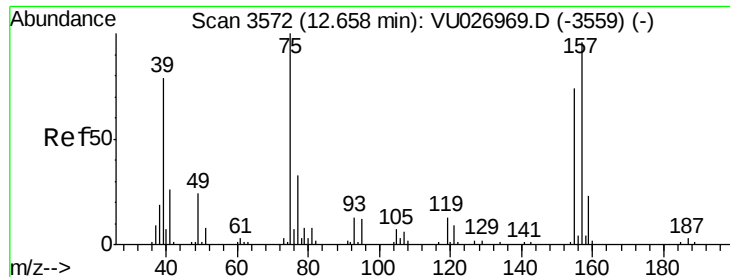
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#91
1,2-Dichlorobenzene
Concen: 47.283 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027307.D
Acq: 29 Sep 2018 05:48

Tgt Ion:146 Resp: 128058
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.3
148 63.9 31.9 95.7





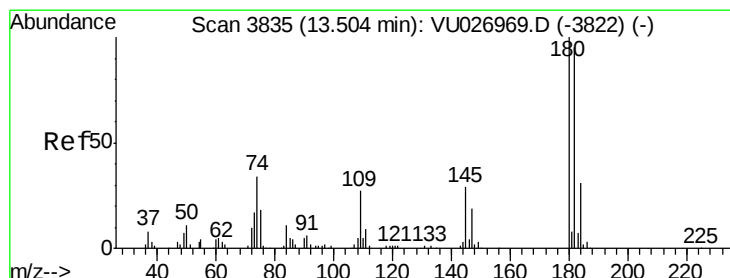
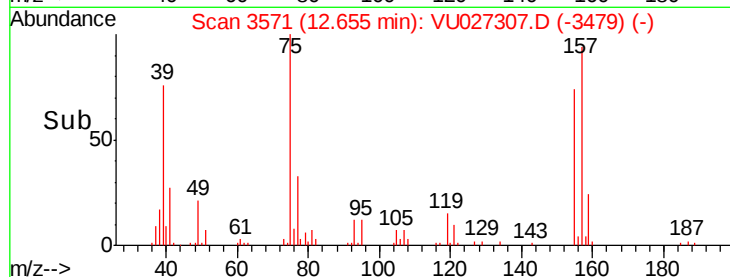
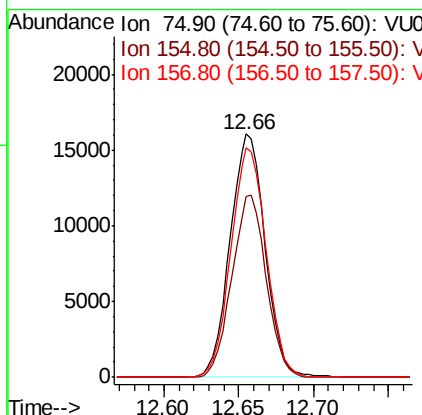
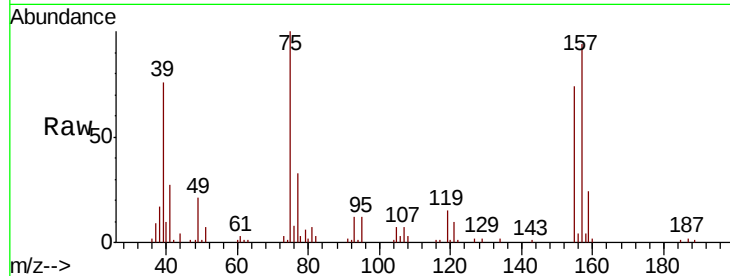
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.721 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	73.4	36.6	109.8
157	94.6	47.4	142.2

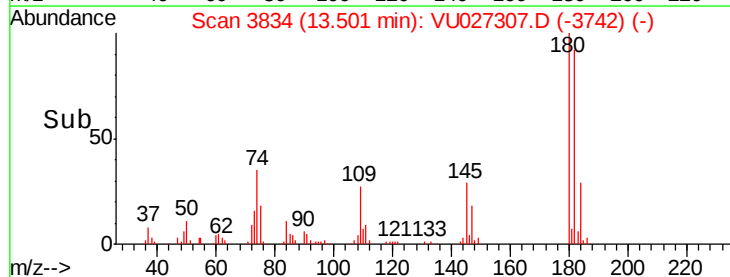
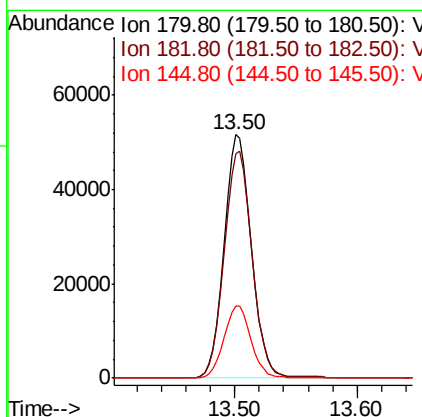
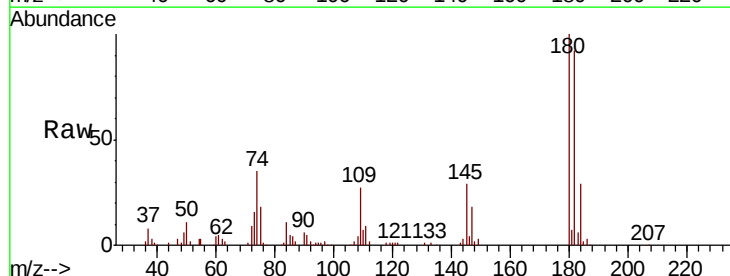
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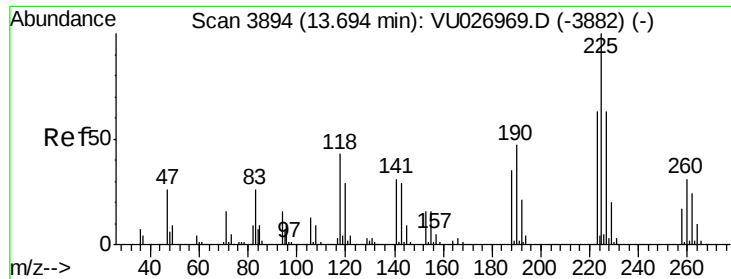
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#93
 1,2,4-Trichlorobenzene
 Concen: 52.151 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	29.3	14.9	44.5





#94

Hexachlorobutadiene

Concen: 46.288 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Instrument :

MSVOA_U

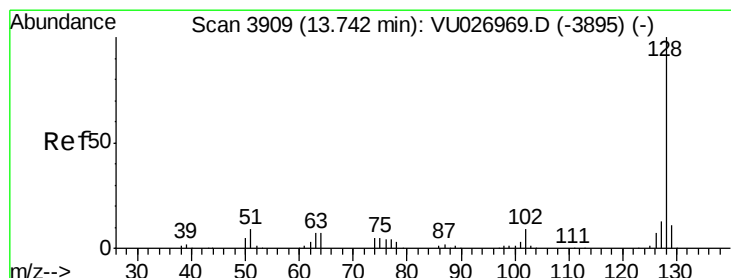
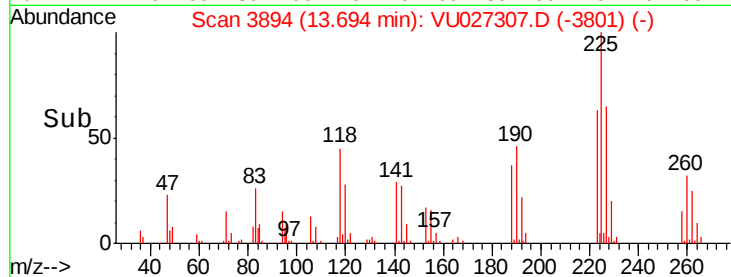
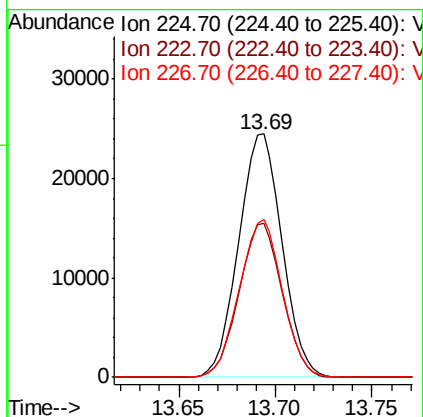
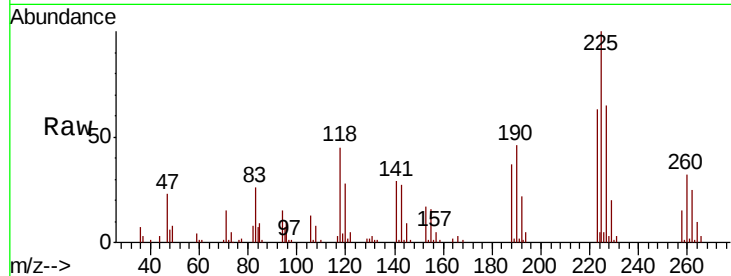
ClientSampleId :

SA-TW502-0913MS

Tot Ion:	225	Resp:	38225
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.9	95.7
227	64.0	32.1	96.5

Manual Integrations
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#95

Naphthalene

Concen: 48.182 ug/l

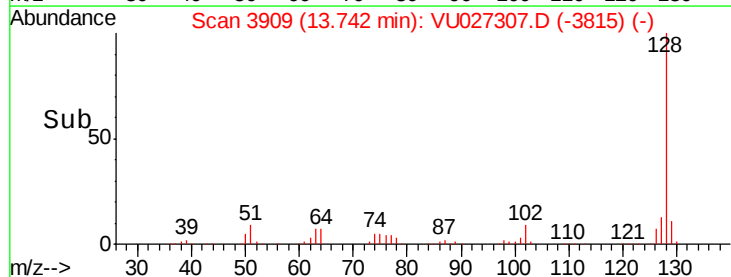
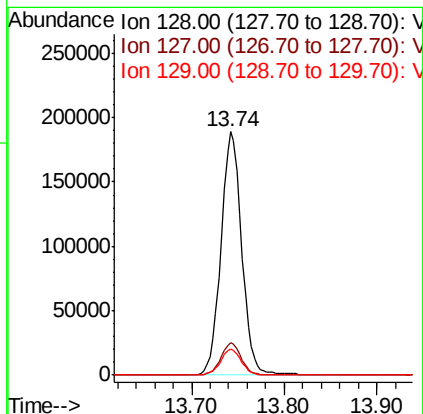
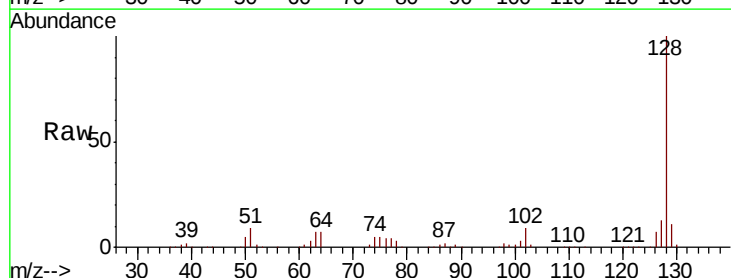
RT: 13.74 min Scan# 3909

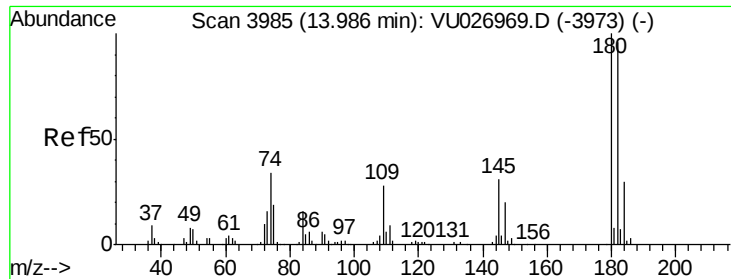
Delta R.T. 0.00 min

Lab File: VU027307.D

Acq: 29 Sep 2018 05:48

Tgt Ion:	128	Resp:	293632
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.6	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 50.768 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027307.D
 Acq: 29 Sep 2018 05:48

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.5
145	32.3	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:31 PM

