

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027089.D
 Acq On : 23 Sep 2018 21:52
 Operator : MD/SY
 Sample : J4954-11MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 133 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:39 PM

Quant Time: Sep 24 09:05:18 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	76899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136613	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85288	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	4.88	113	58372	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.57	98	228303	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	10.31	95	81245	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	48888	48.692	ug/l	100
3) Chloromethane	1.33	50	84122	48.596	ug/l	100
4) Vinyl Chloride	1.40	62	80985	50.120	ug/l	99
5) Bromomethane	1.62	94	41801	45.428	ug/l	100
6) Chloroethane	1.70	64	53910	52.217	ug/l	99
7) Trichlorofluoromethane	1.89	101	94112	51.281	ug/l	98
8) Diethyl Ether	2.11	74	46453	52.588	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	54865	48.621	ug/l	99
10) Methyl Iodide	2.41	142	51757	36.982	ug/l	99
11) Tert butyl alcohol	2.82	59	88123	248.410	ug/l	98
12) 1,1-Dichloroethene	2.29	96	53482	50.355	ug/l	99
13) Acrolein	2.20	56	44298	231.644	ug/l	100
14) Allyl chloride	2.59	41	115141	53.450	ug/l	96
15) Acrylonitrile	2.94	53	253623	283.662	ug/l	98
16) Acetone	2.32	43	230276	282.234	ug/l	99
17) Carbon Disulfide	2.48	76	169943	49.117	ug/l	100
18) Methyl Acetate	2.62	43	97813	44.402	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	221380	56.722	ug/l	100
20) Methylene Chloride	2.70	84	70127	50.593	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59718	52.663	ug/l	99
22) Diisopropyl ether	3.57	45	274981	59.680	ug/l	97
23) Vinyl Acetate	3.53	43	830226	211.382	ug/l	99
24) 1,1-Dichloroethane	3.45	63	139446	54.950	ug/l	99
25) 2-Butanone	4.26	43	363794	279.694	ug/l	98
26) 2,2-Dichloropropane	4.23	77	57410	29.008	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	69431	54.217	ug/l	96
28) Bromochloromethane	4.55	49	74551	60.944	ug/l	94
29) Tetrahydrofuran	4.64	42	237992	302.471	ug/l	97
30) Chloroform	4.67	83	124667	52.924	ug/l	100
31) Cyclohexane	5.00	56	126907	55.073	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102458	54.477	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92430	50.695	ug/l	99
37) Ethyl Acetate	4.38	43	100332	40.650	ug/l	99
38) Carbon Tetrachloride	5.14	117	86883	50.075	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	102991	51.980	ug/l	98
40) Benzene	5.39	78	282772	51.017	ug/l	100
41) Methacrylonitrile	4.54	41	75259	58.711	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109742	52.405	ug/l	98
43) Isopropyl Acetate	5.55	43	169424	47.068	ug/l	99
44) Trichloroethene	6.19	130	59141	50.120	ug/l	99
45) 1,2-Dichloropropane	6.43	63	84432	53.462	ug/l	99
46) Dibromomethane	6.56	93	48774	51.136	ug/l	97
47) Bromodichloromethane	6.76	83	98931	51.295	ug/l	98
48) Methyl methacrylate	6.62	41	102888	52.465	ug/l	99
49) 1,4-Dioxane	6.61	88	32818	843.195	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	700814	289.481	ug/l	99
52) Toluene	7.64	92	169069	53.216	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	104870	50.609	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	108252	47.512	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	68641	50.989	ug/l	97
56) Ethyl methacrylate	8.02	69	117589	50.327	ug/l	98
57) 1,3-Dichloropropane	8.24	76	134562	53.743	ug/l	100
59) 2-Hexanone	8.36	43	538762	284.299	ug/l	99
60) Dibromochloromethane	8.48	129	69569	52.685	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72179	51.532	ug/l	99
64) Tetrachloroethene	8.23	164	47668	45.728	ug/l	97
65) Chlorobenzene	9.12	112	171320	47.762	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62734	50.777	ug/l	99
67) Ethyl Benzene	9.25	91	315161	53.432	ug/l	99
68) m/p-Xylenes	9.38	106	234233	98.086	ug/l	98
69) o-Xylene	9.78	106	113572	54.344	ug/l	99
70) Styrene	9.79	104	178759	45.962	ug/l	98
71) Bromoform	9.96	173	50317	52.666	ug/l #	99
73) Isopropylbenzene	10.17	105	304622	54.212	ug/l	100
74) N-amyl acetate	10.01	43	131061	40.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	123180	47.680	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	106032m	47.249	ug/l	
77) Bromobenzene	10.45	156	67560	49.202	ug/l	92
78) n-propylbenzene	10.59	91	364958	54.892	ug/l	99
79) 2-Chlorotoluene	10.66	91	216966	51.953	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253784	54.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28804m	41.076	ug/l	
82) 4-Chlorotoluene	10.77	91	249225	53.222	ug/l	98
83) tert-Butylbenzene	11.10	119	242083	52.790	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	259243	54.919	ug/l	99
85) sec-Butylbenzene	11.32	105	304911	54.469	ug/l	99
86) p-Isopropyltoluene	11.48	119	258194	49.170	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	124277	48.637	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	126407	45.390	ug/l	99
89) n-Butylbenzene	11.89	91	231032	45.594	ug/l	100
90) Hexachloroethane	12.15	117	48723	47.864	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	127235	46.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28030	53.184	ug/l	94
93) 1,2,4-Trichlorobenzene	13.50	180	80110	51.217	ug/l	100

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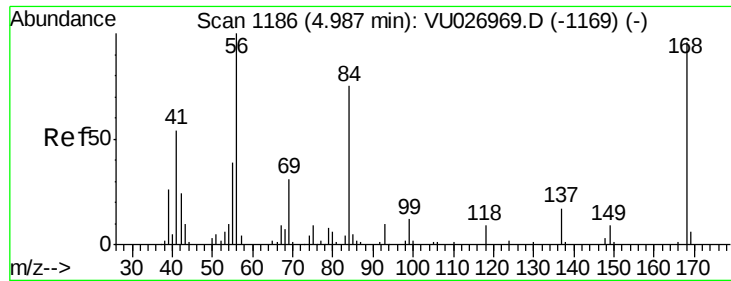
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38249	46.216	ug/l	97
95) Naphthalene	13.74	128	298909	48.915	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	85608	51.037	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: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion:168 Resp: 76899

Ion Ratio Lower Upper

168 100

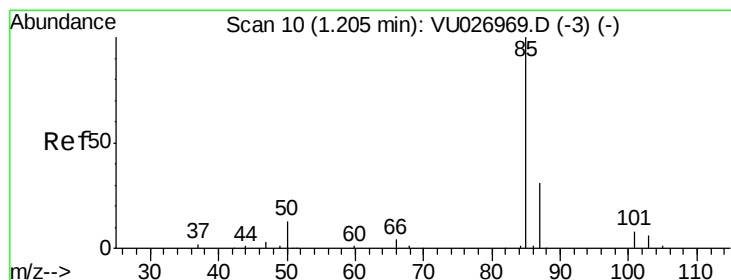
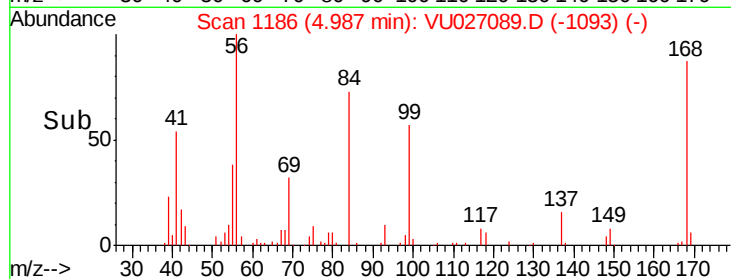
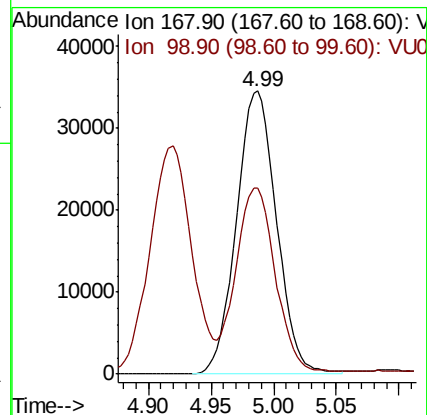
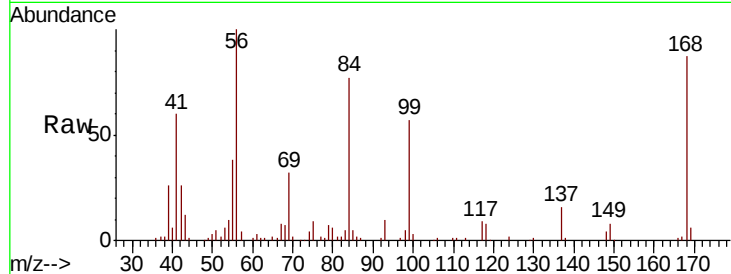
99 64.3 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 48.692 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027089.D

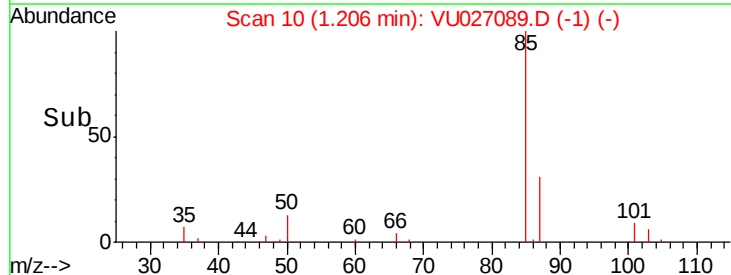
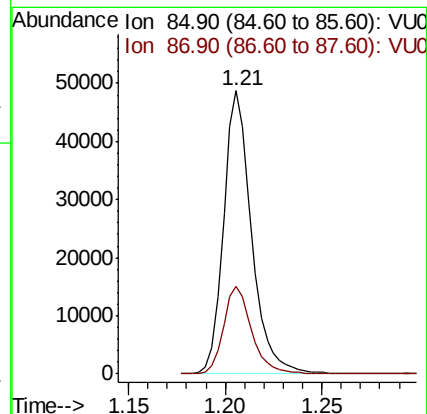
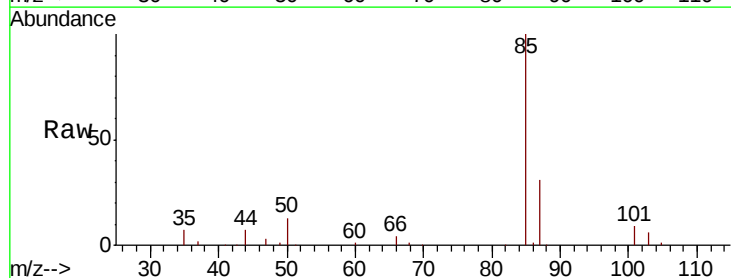
Acq: 23 Sep 2018 21:52

Tgt Ion: 85 Resp: 48888

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.7





#3

Chloromethane

Concen: 48.596 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 50 Resp: 84122

Ion Ratio Lower Upper

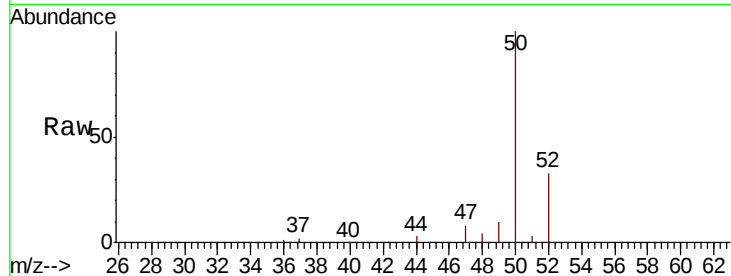
50 100

52 32.5 25.9 38.9

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

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

1.33

80000

60000

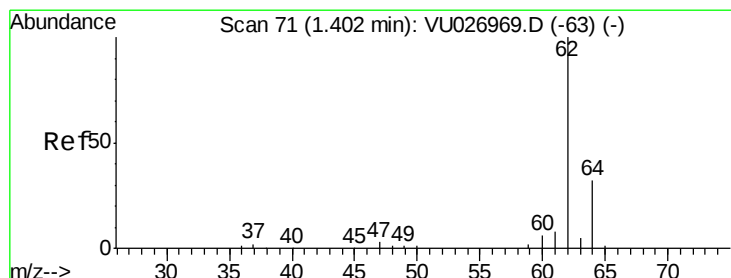
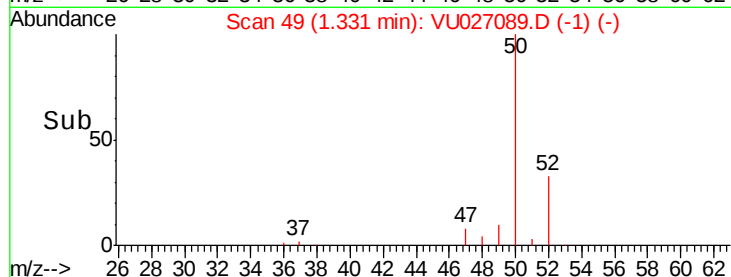
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.120 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027089.D

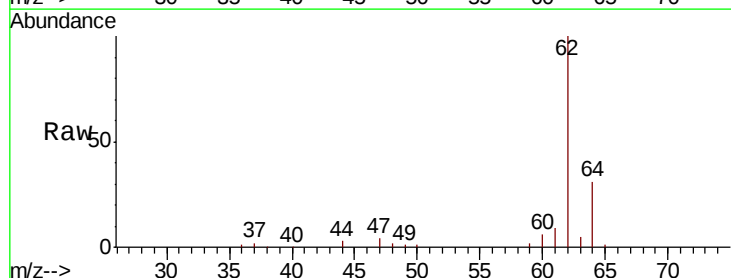
Acq: 23 Sep 2018 21:52

Tgt Ion: 62 Resp: 80985

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



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

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

1.40

80000

60000

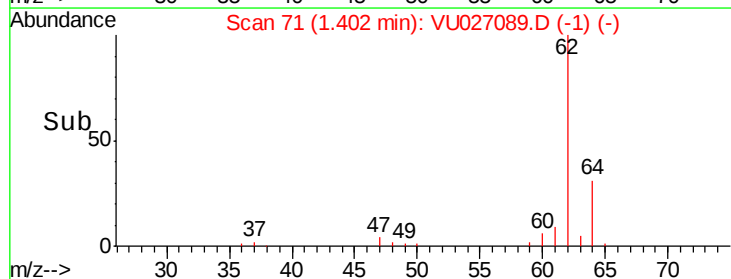
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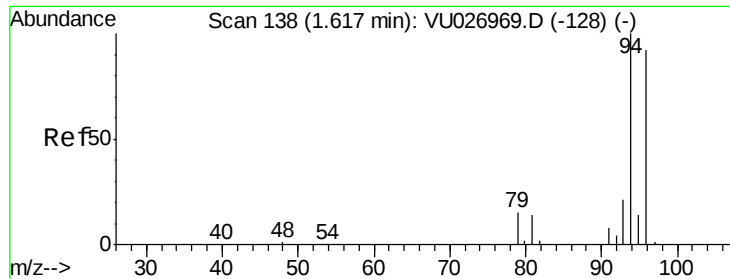
20000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 45.428 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 94 Resp: 41801

Ion Ratio Lower Upper

94 100

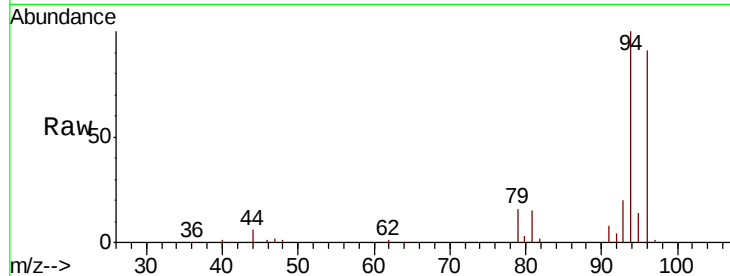
96 91.4 73.2 109.8

Manual Integrations

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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

30000

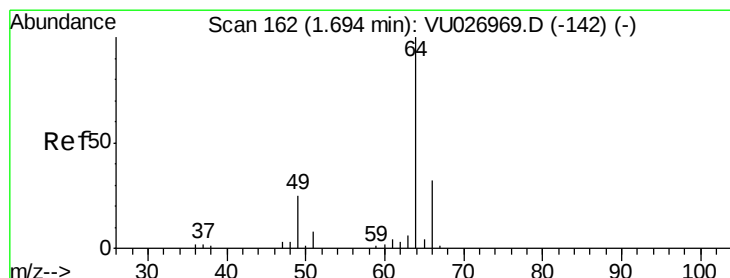
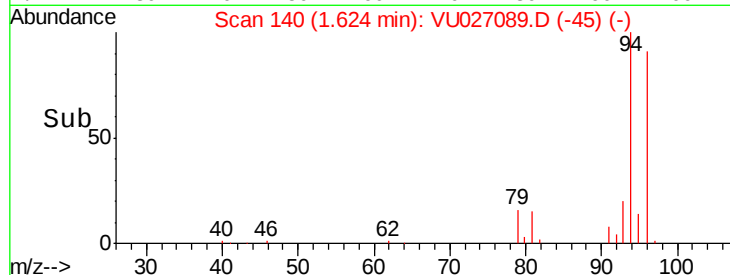
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 52.217 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027089.D

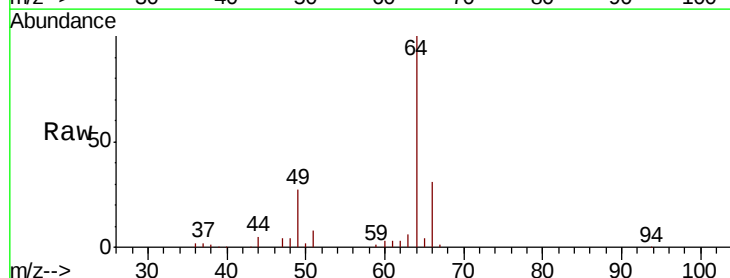
Acq: 23 Sep 2018 21:52

Tgt Ion: 64 Resp: 53910

Ion Ratio Lower Upper

64 100

66 31.2 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) (-)

1.70

40000

30000

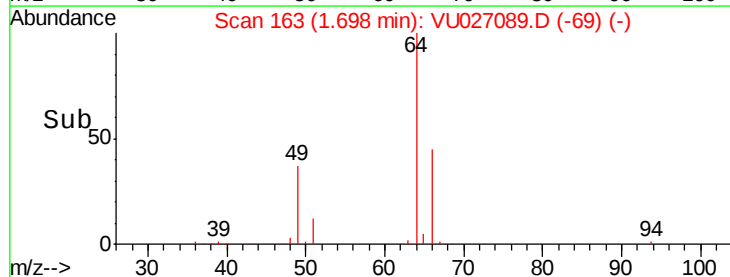
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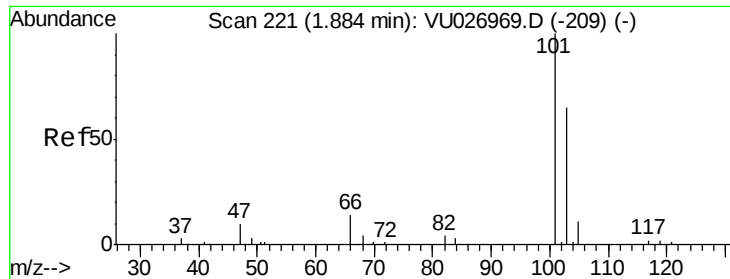
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Time-->

1.60 1.70 1.80





#7

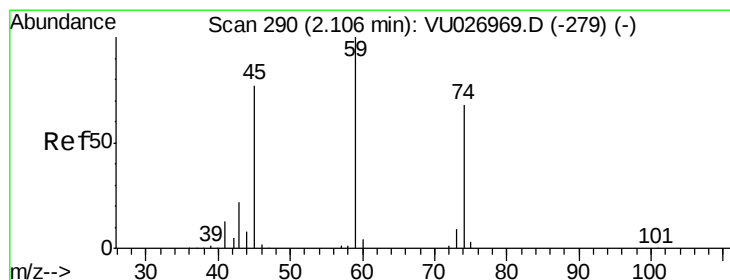
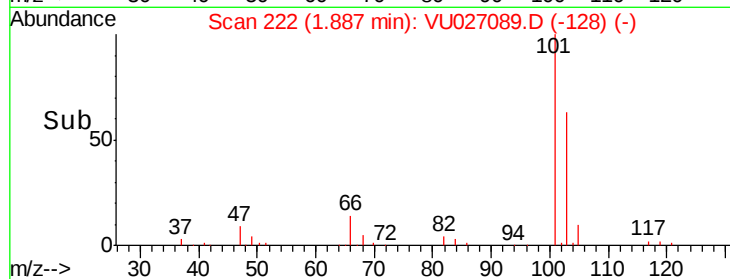
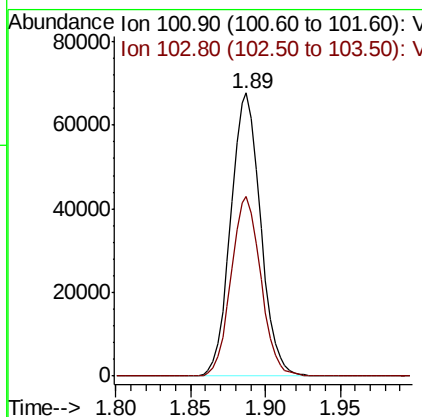
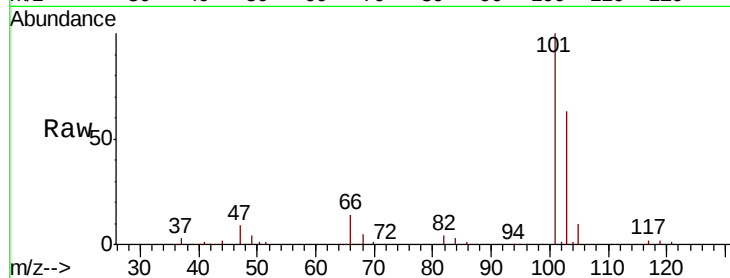
Trichlorofluoromethane
 Concen: 51.281 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

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 SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.2	78.2

Manual Integrations
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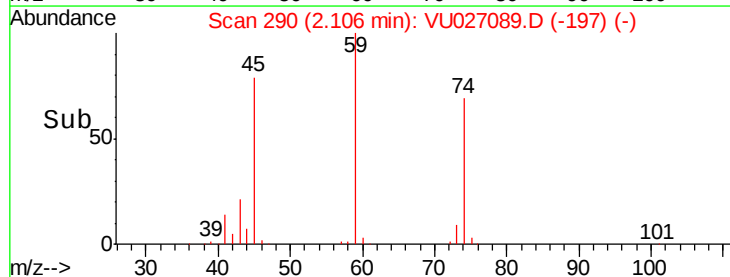
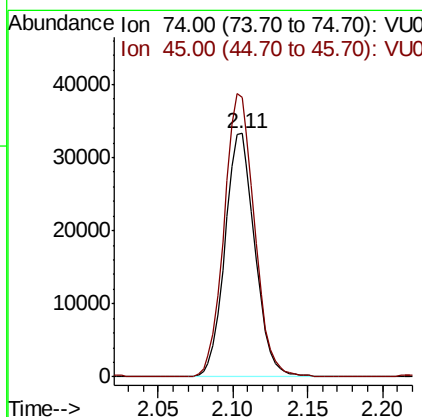
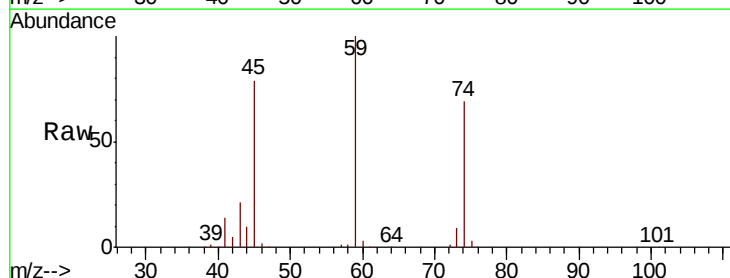
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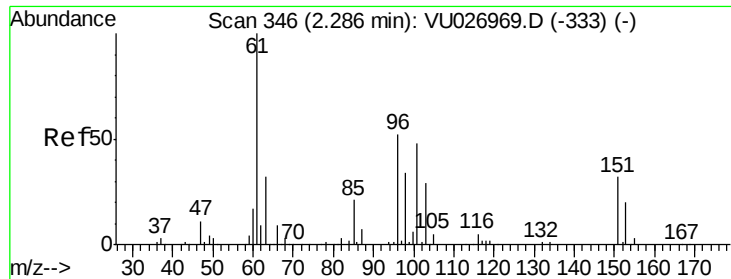


#8

Diethyl Ether
 Concen: 52.588 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.621 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

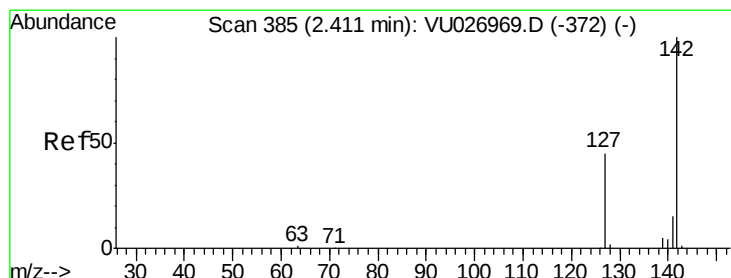
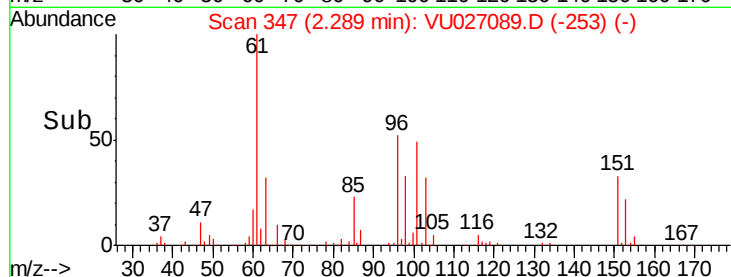
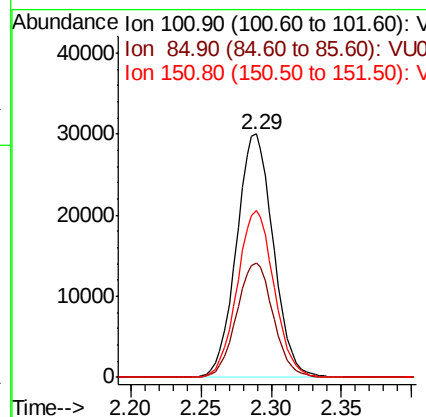
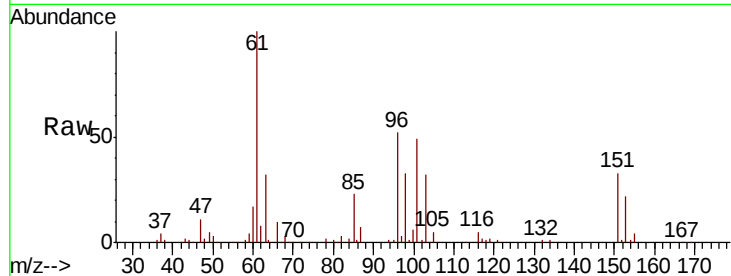
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	101	Resp:	54865
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.2	54.2
151	68.3	54.5	81.7

Manual Integrations
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9/24/2018 4:40:39 PM



#10

Methyl Iodide

Concen: 36.982 ug/l

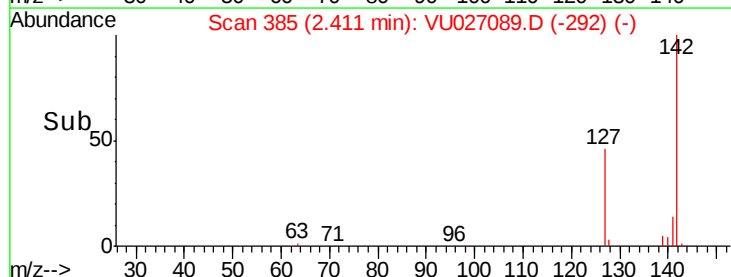
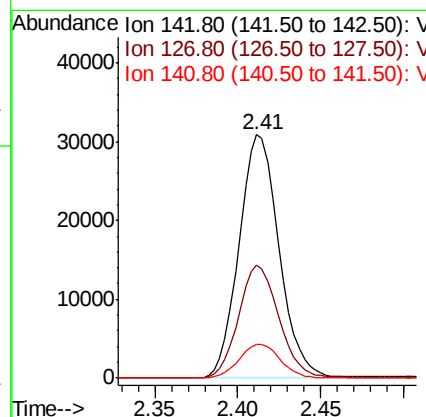
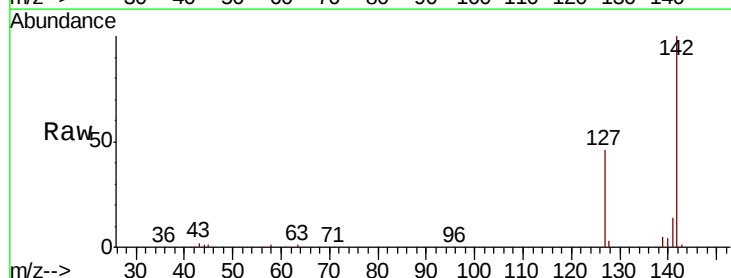
RT: 2.41 min Scan# 385

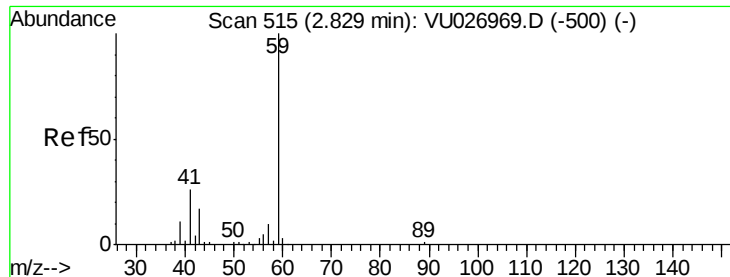
Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	142	Resp:	51757
Ion Ratio	Lower	Upper	
142	100		
127	46.9	36.7	55.1
141	14.2	11.8	17.6





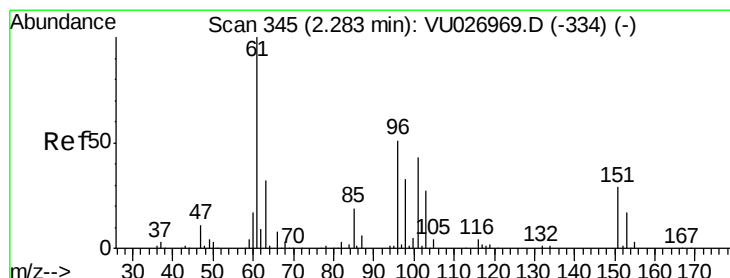
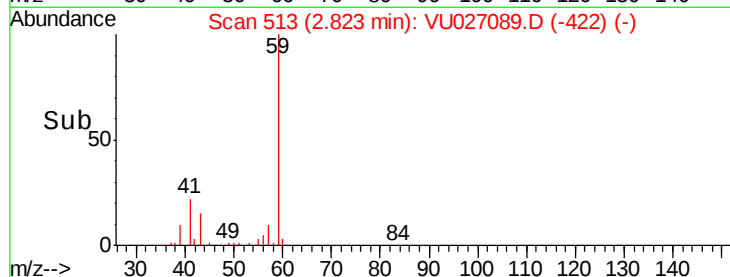
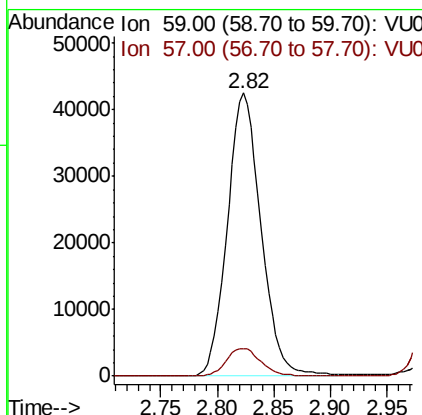
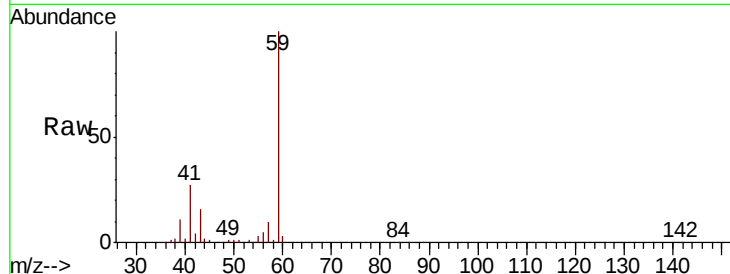
#11
Tert butyl alcohol
Concen: 248.410 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

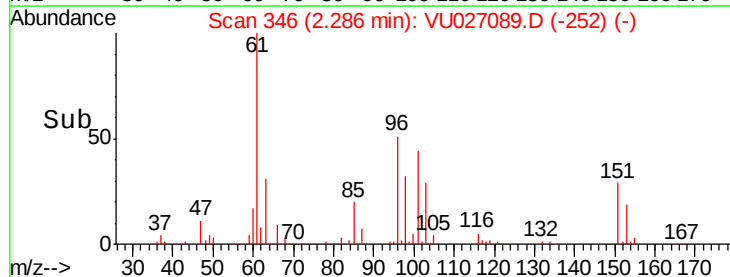
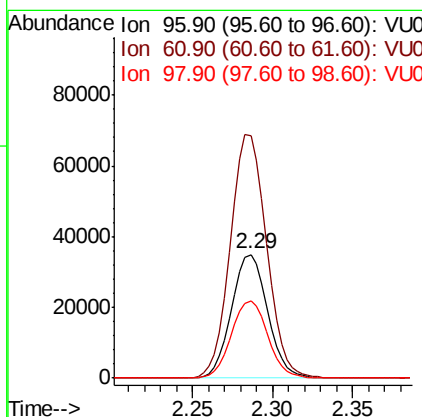
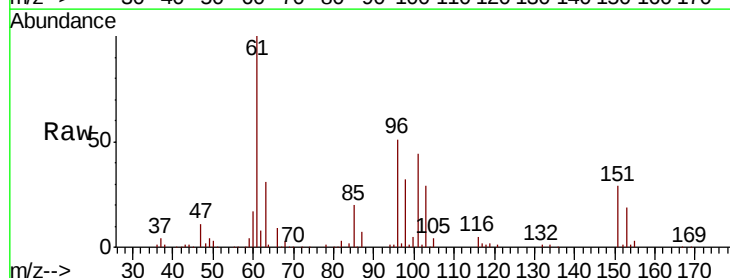
Manual Integrations
APPROVED

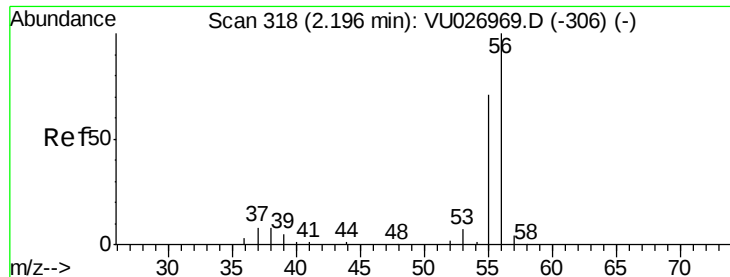
MMDadoda
9/24/2018 4:40:39 PM



#12
1,1-Dichloroethene
Concen: 50.355 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.1	156.1	234.1
98	62.4	51.4	77.0





#13

Acrolein

Concen: 231.644 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 56 Resp: 44298

Ion Ratio Lower Upper

56 100

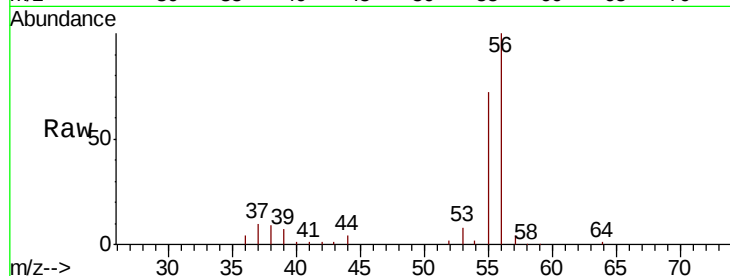
55 71.3 57.1 85.7

Manual Integrations

APPROVED

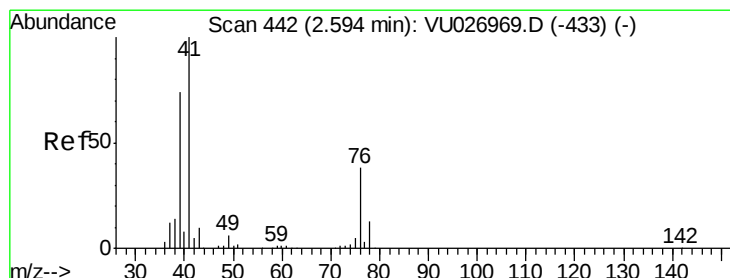
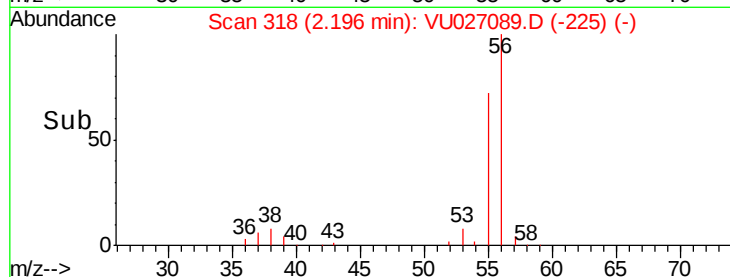
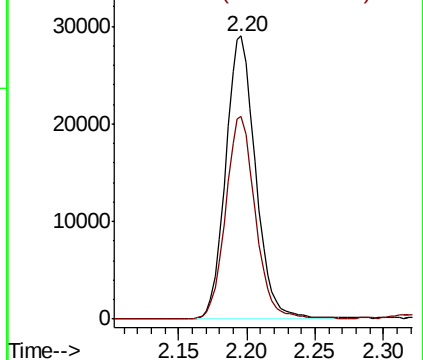
MMDadoda

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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: 53.450 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

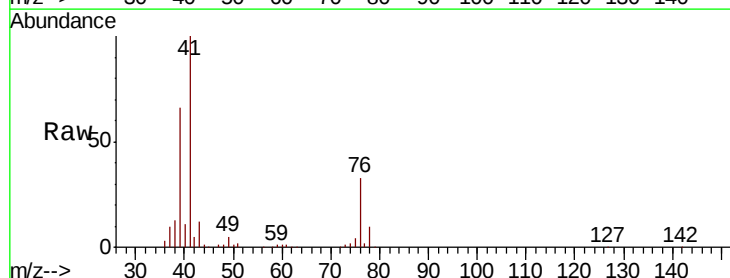
Tgt Ion: 41 Resp: 115141

Ion Ratio Lower Upper

41 100

39 65.5 55.7 83.5

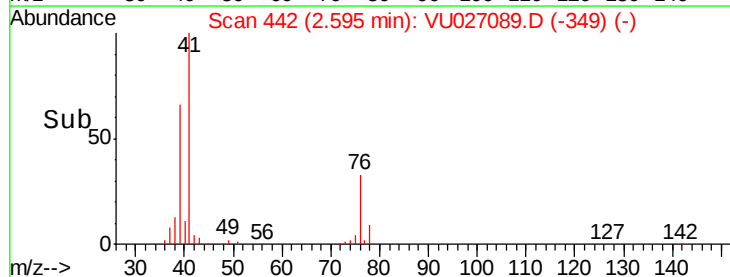
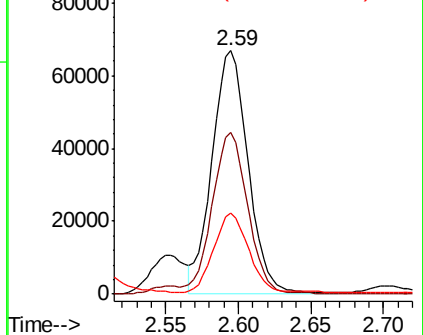
76 32.1 26.5 39.7

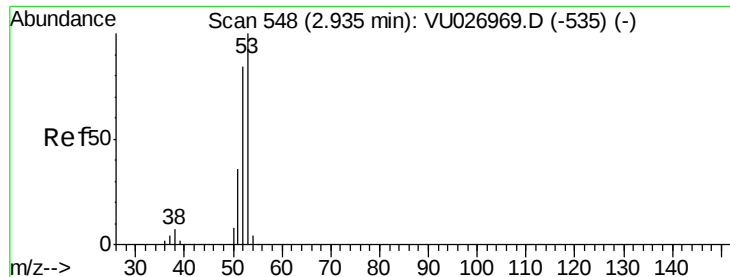


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 283.662 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

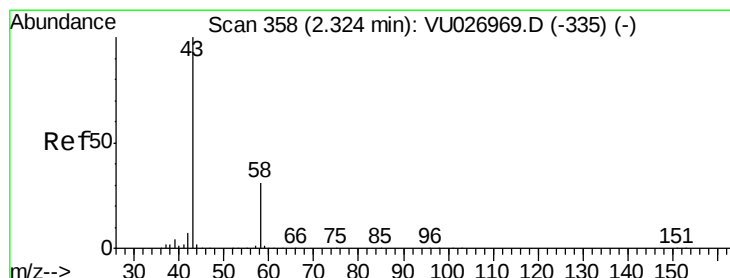
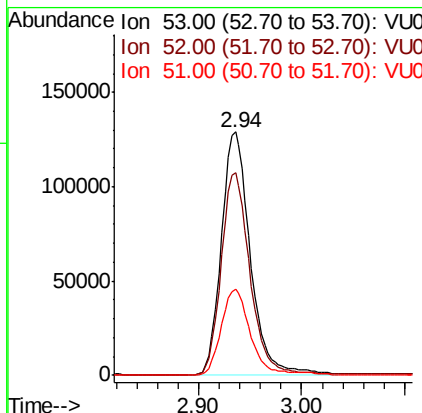
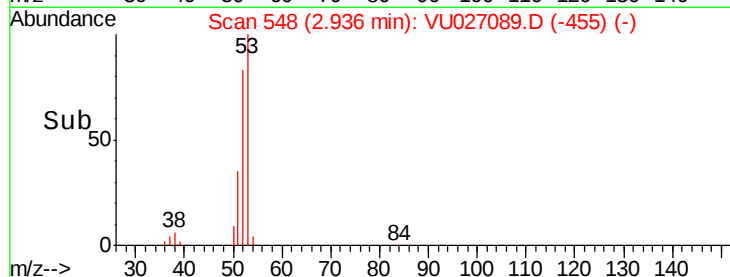
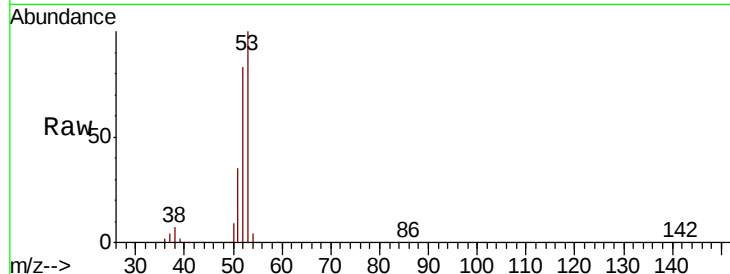
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	53	Resp:	253623
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.7	98.5
51	36.3	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 282.234 ug/l

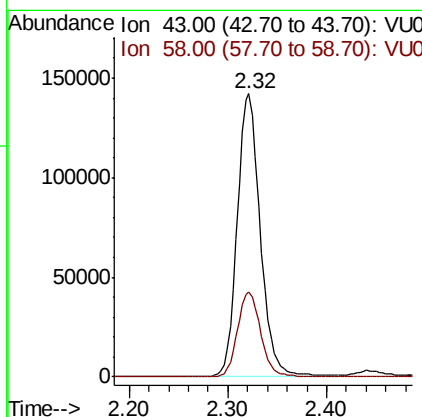
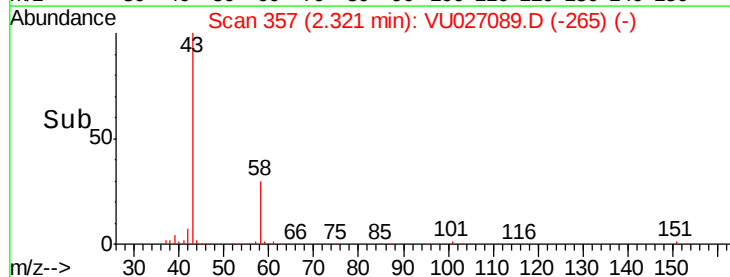
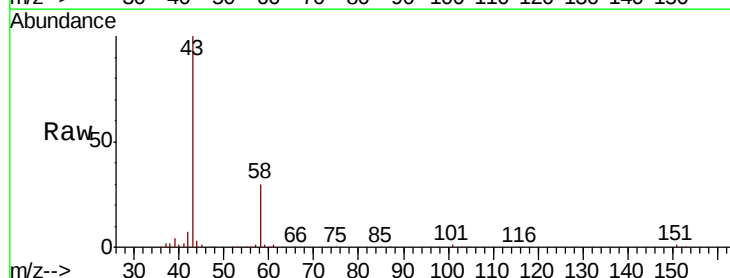
RT: 2.32 min Scan# 357

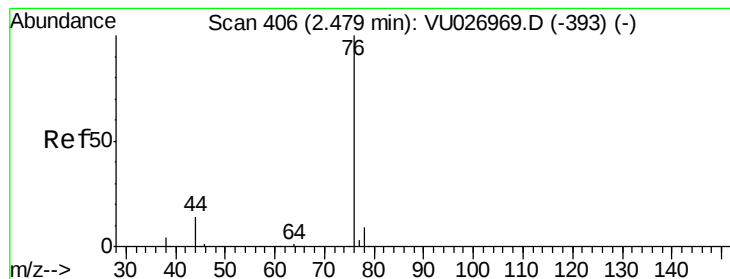
Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	43	Resp:	230276
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.6	36.8





#17

Carbon Disulfide

Concen: 49.117 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 76 Resp: 169943

Ion Ratio Lower Upper

76 100

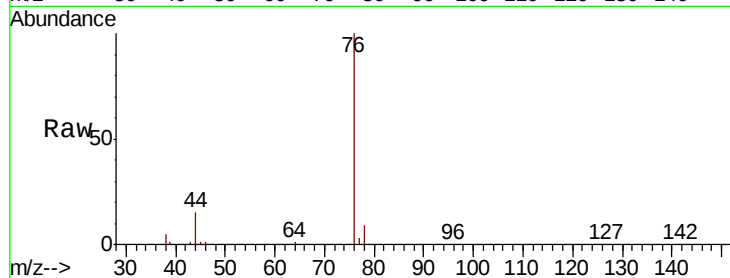
78 8.9 7.1 10.7

Manual Integrations

APPROVED

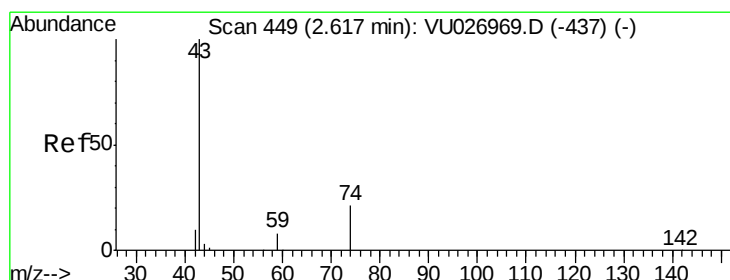
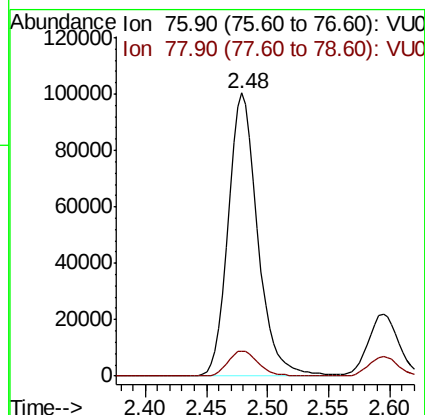
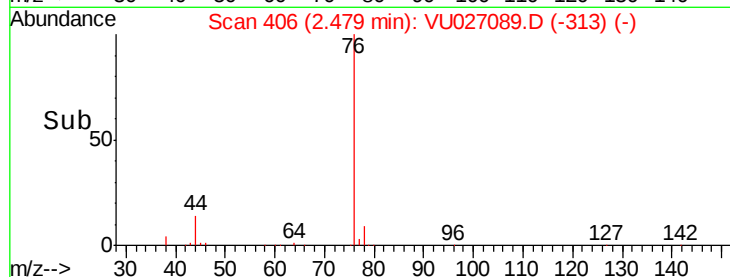
MMDadoda

9/24/2018 4:40:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VU027089.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027089.D (-313) (-)



#18

Methyl Acetate

Concen: 44.402 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027089.D

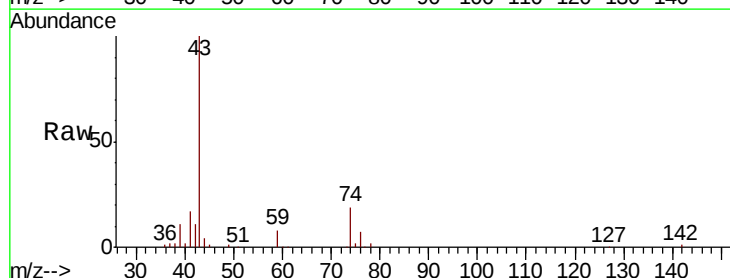
Acq: 23 Sep 2018 21:52

Tgt Ion: 43 Resp: 97813

Ion Ratio Lower Upper

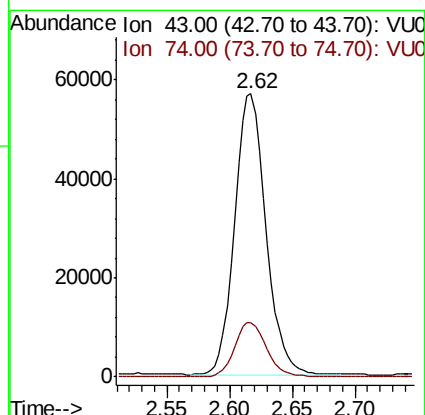
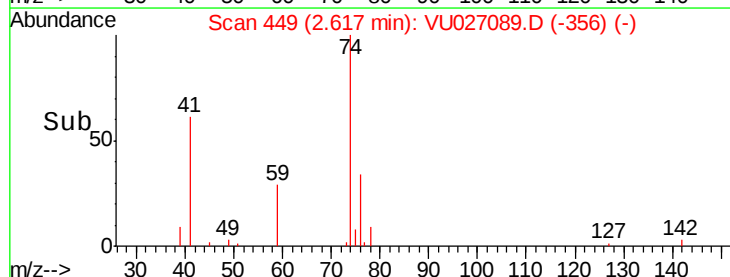
43 100

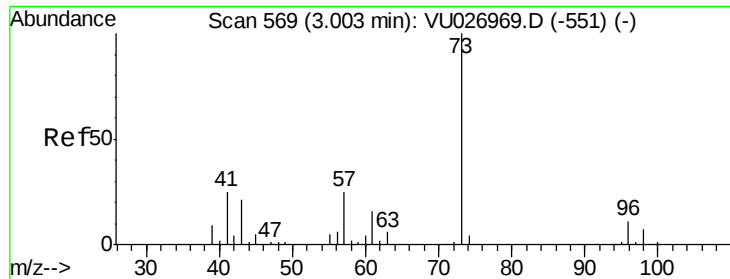
74 20.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027089.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027089.D (-356) (-)





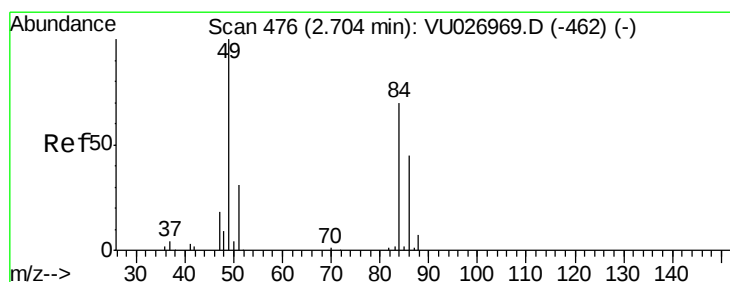
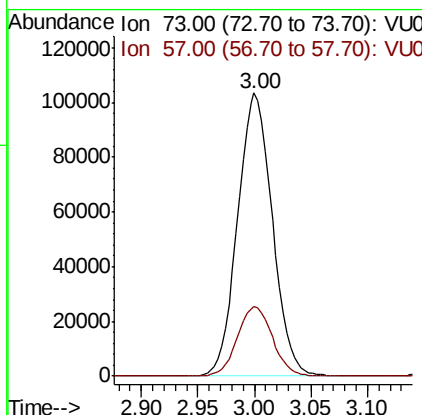
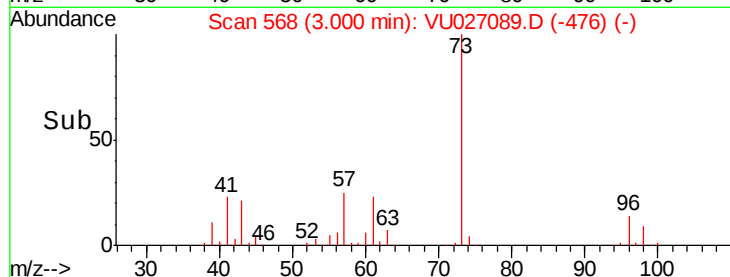
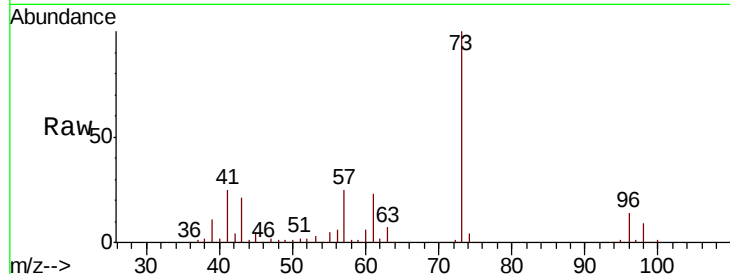
#19
Methyl tert-butyl Ether
Concen: 56.722 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.8	29.6

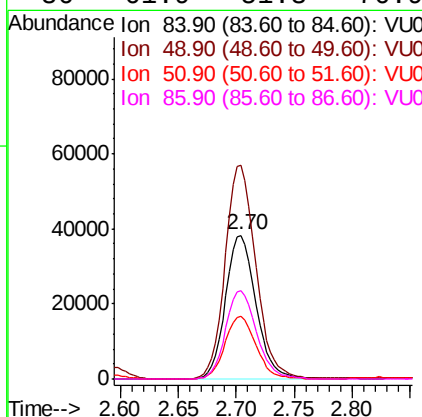
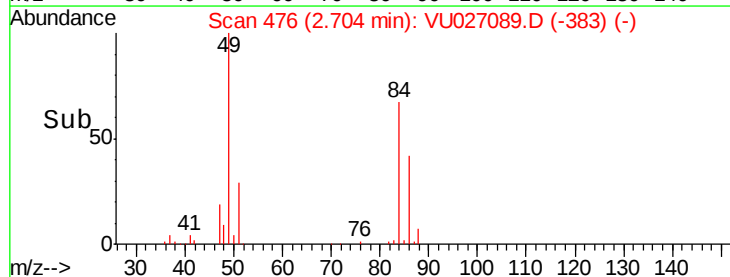
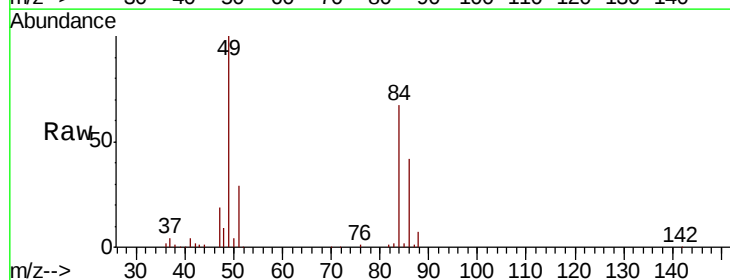
Manual Integrations
APPROVED

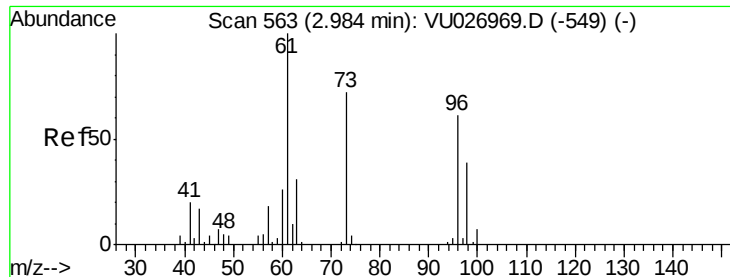
MMDadoda
9/24/2018 4:40:39 PM



#20
Methylene Chloride
Concen: 50.593 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.8	114.9	172.3
51	43.5	35.8	53.8
86	61.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 52.663 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 96 Resp: 59718

Ion Ratio Lower Upper

96 100

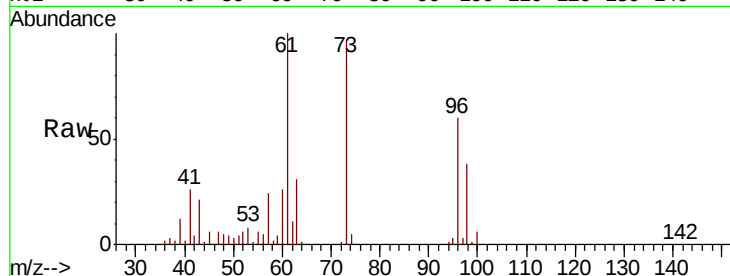
61 167.4 131.8 197.6

98 63.8 50.9 76.3

Manual Integrations
APPROVED

MMDadoda

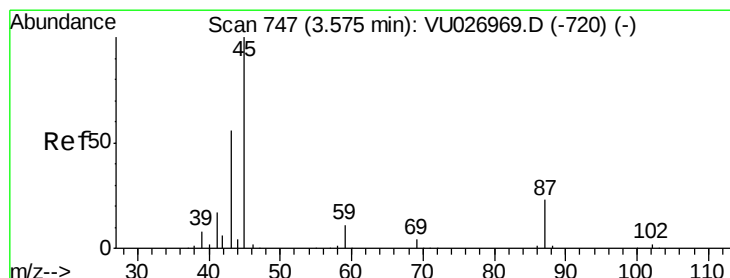
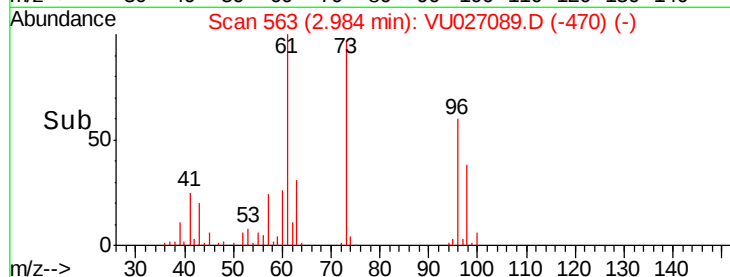
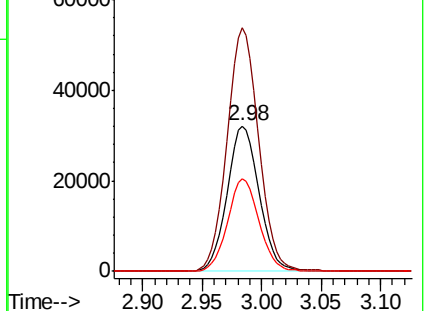
9/24/2018 4:40:39 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 59.680 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion: 45 Resp: 274981

Ion Ratio Lower Upper

45 100

43 54.8 45.8 68.6

87 22.0 18.6 28.0

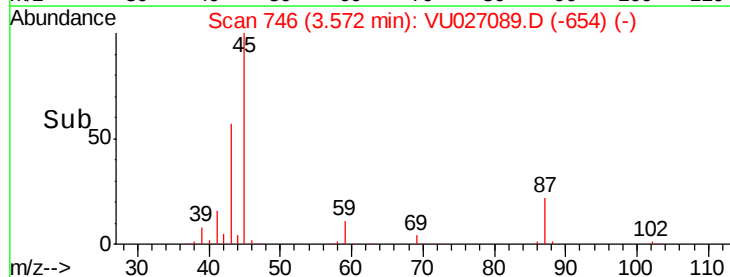
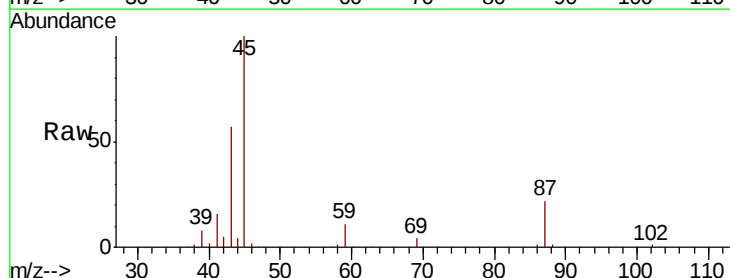
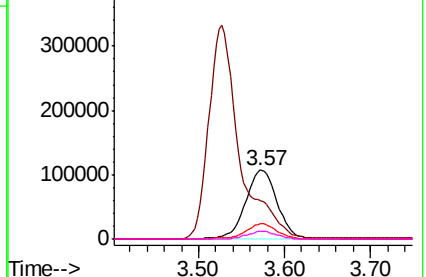
59 11.0 9.0 13.4

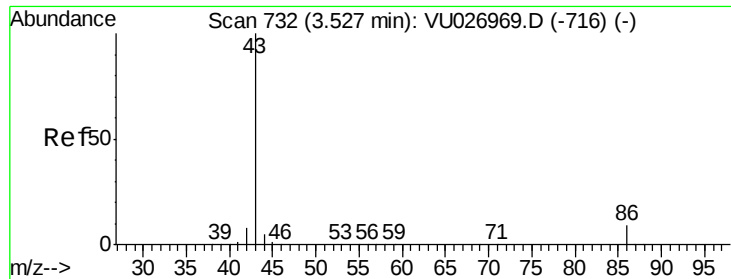
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 211.382 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 43 Resp: 830226

Ion Ratio Lower Upper

43 100

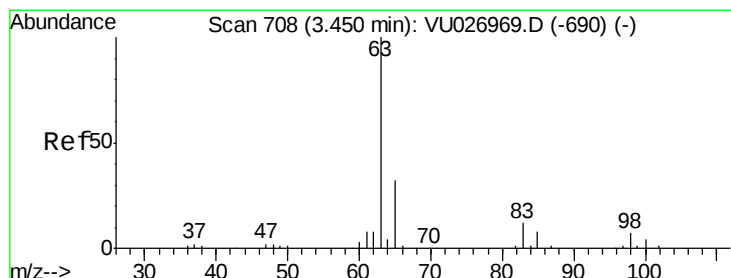
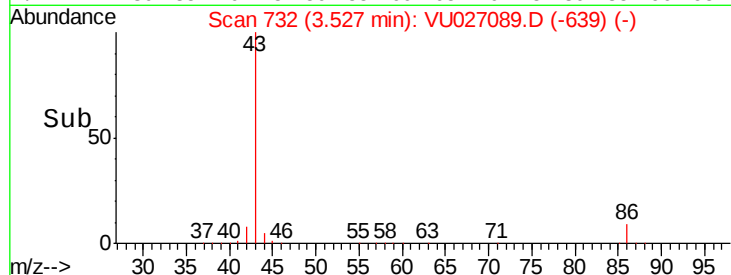
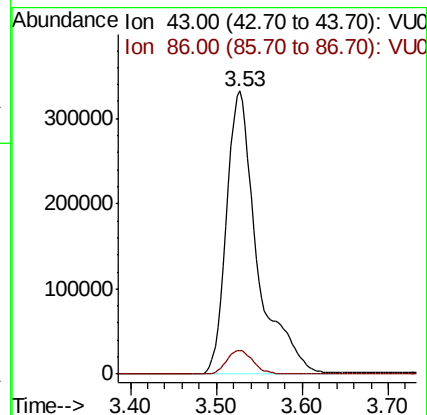
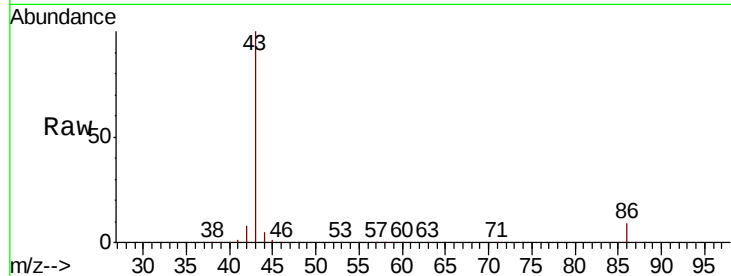
86 8.5 7.2 10.8

Manual Integrations

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MMDadoda

9/24/2018 4:40:39 PM



#24

1,1-Dichloroethane

Concen: 54.950 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

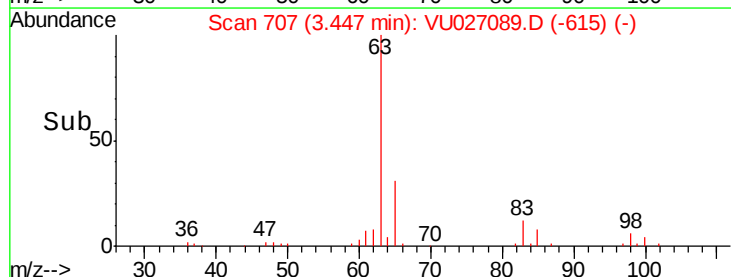
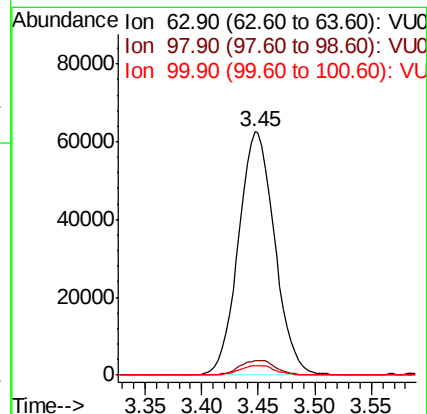
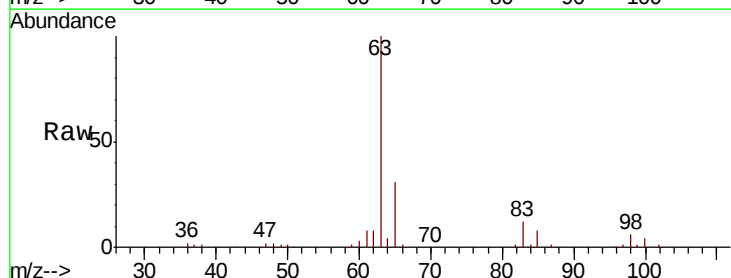
Tgt Ion: 63 Resp: 139446

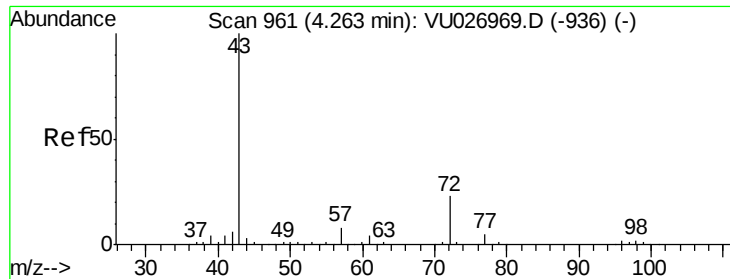
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 279.694 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 43 Resp: 363794

Ion Ratio Lower Upper

43 100

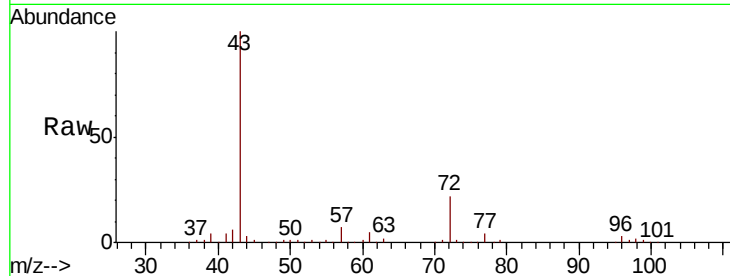
72 22.3 18.4 27.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 4:40:39 PM



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

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

4.26

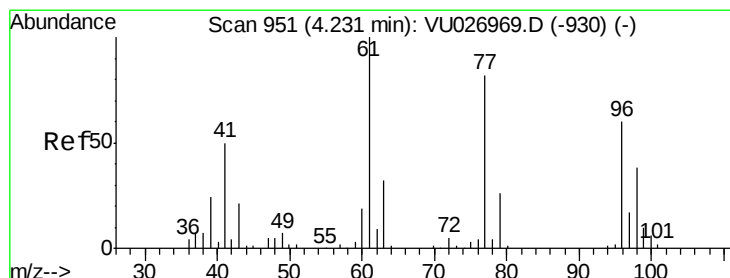
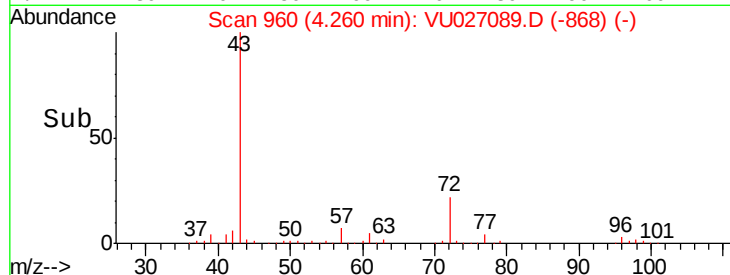
150000

100000

50000

0

Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 29.008 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027089.D

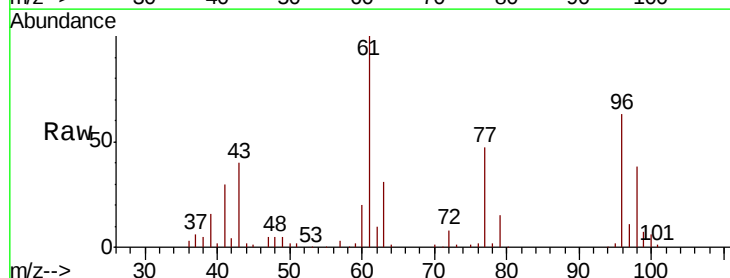
Acq: 23 Sep 2018 21:52

Tgt Ion: 77 Resp: 57410

Ion Ratio Lower Upper

77 100

97 23.2 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) (-)

4.23

25000

20000

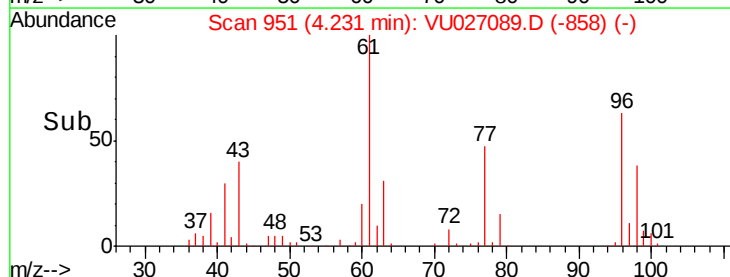
15000

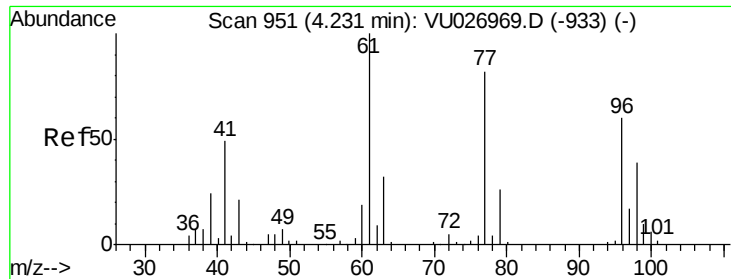
10000

5000

0

Time--> 4.10 4.20 4.30





#27

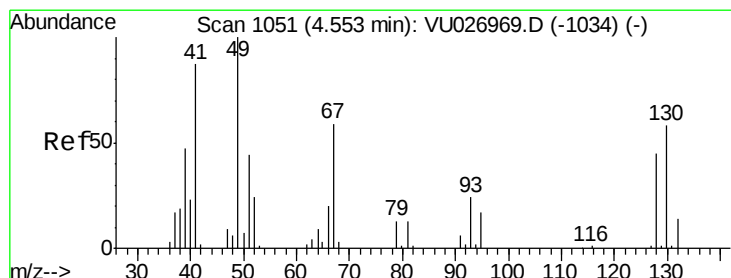
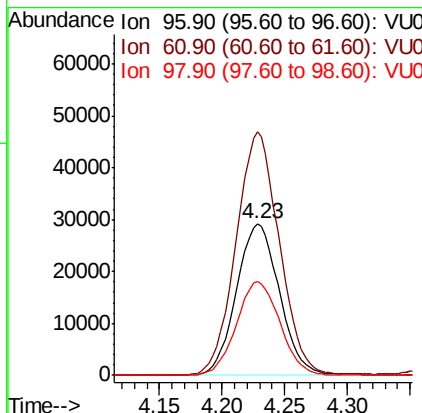
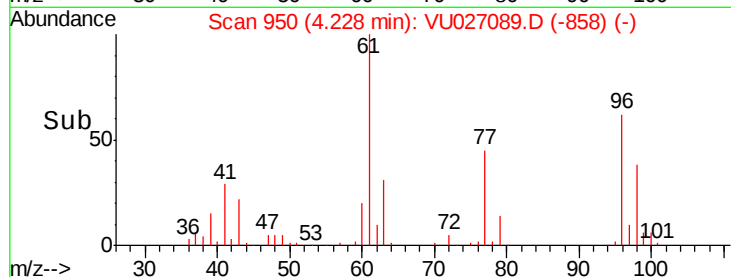
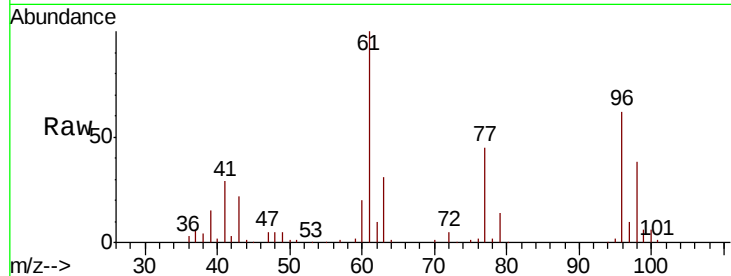
cis-1,2-Dichloroethene
Concen: 54.217 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	337.2
98	62.8	0.0	127.6

Manual Integrations
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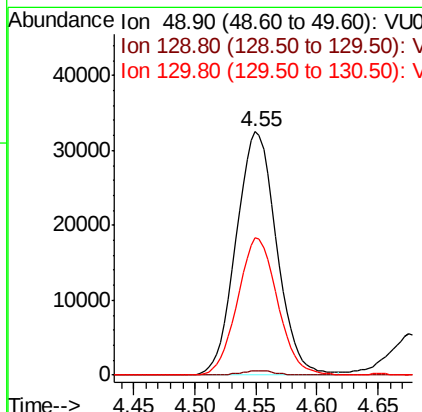
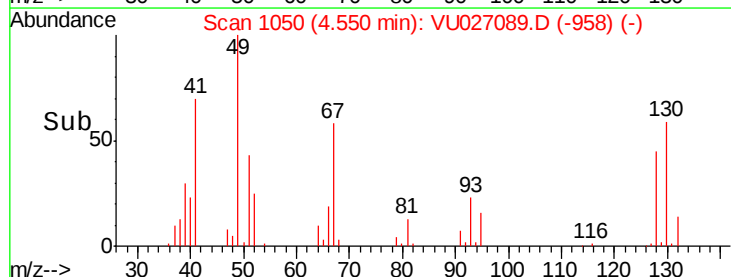
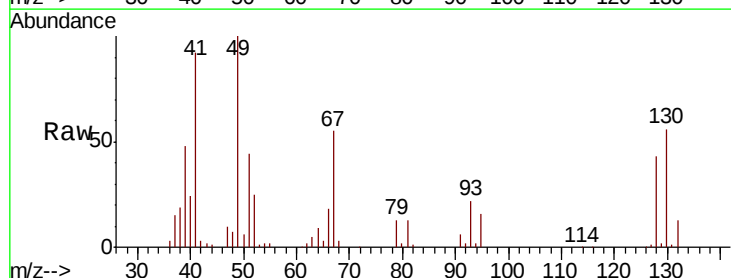
MMDadoda
9/24/2018 4:40:39 PM

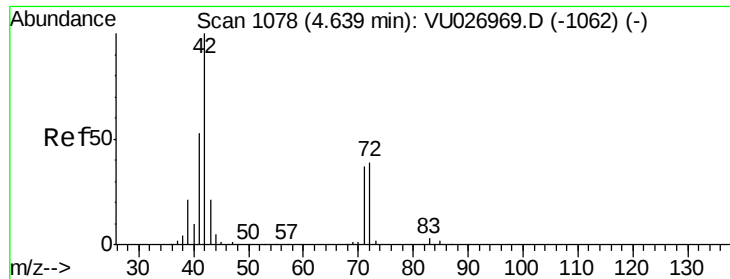


#28

Bromochloromethane
Concen: 60.944 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	55.5	47.8	71.8





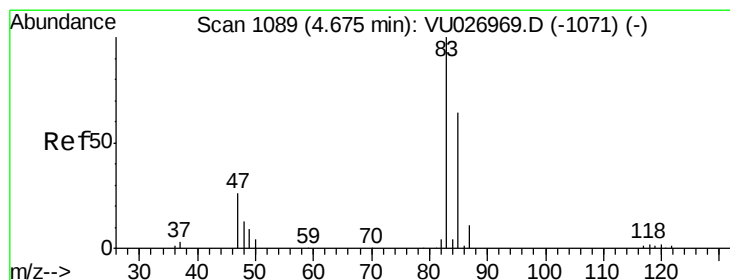
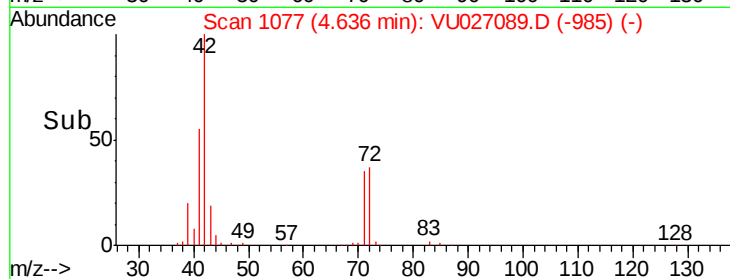
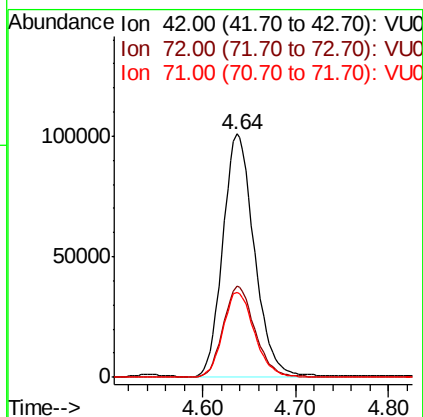
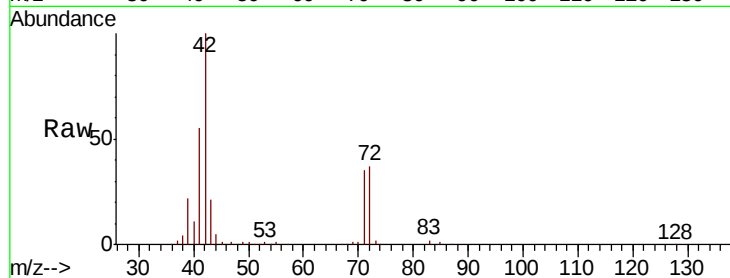
#29
Tetrahydrofuran
Concen: 302.471 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.7	47.5
71	34.9	29.6	44.4

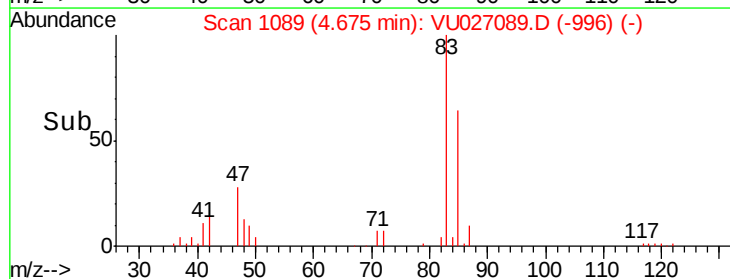
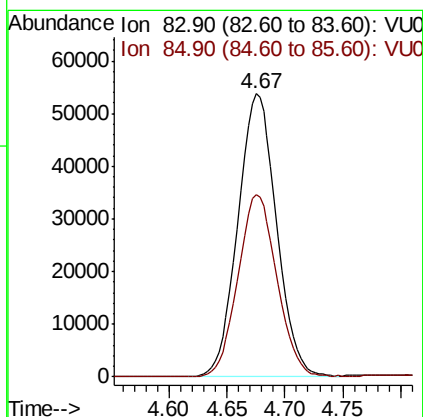
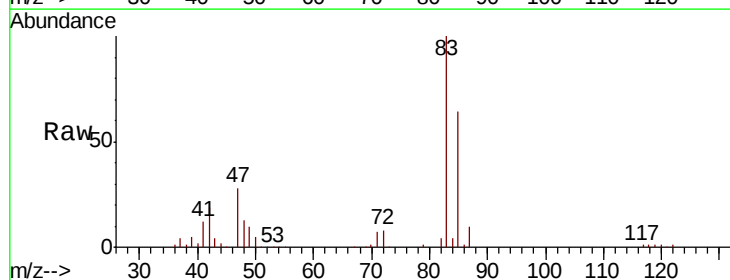
Manual Integrations
APPROVED

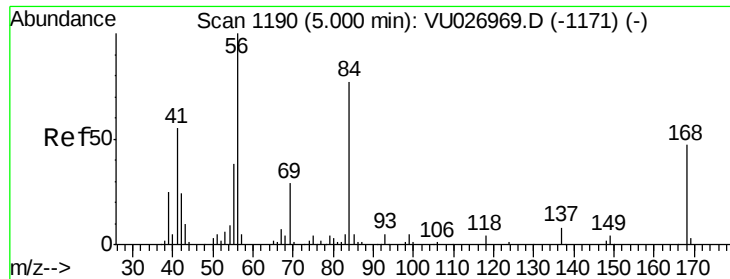
MMDadoda
9/24/2018 4:40:39 PM



#30
Chloroform
Concen: 52.924 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





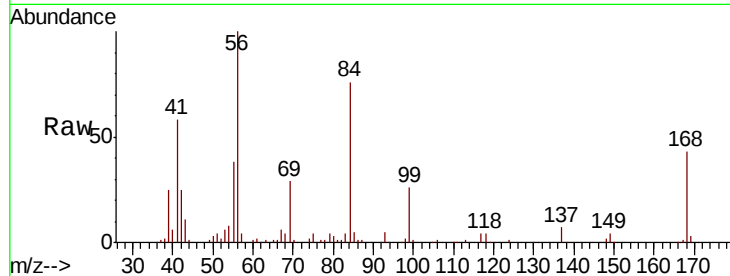
#31
Cyclohexane
Concen: 55.073 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

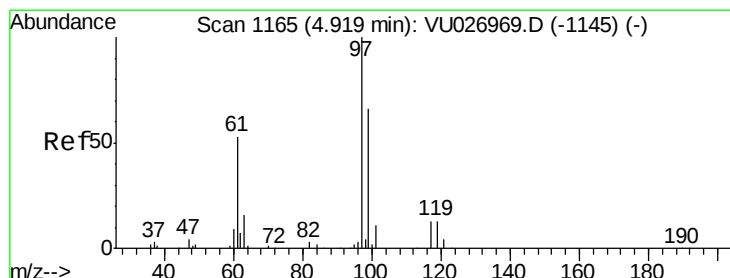
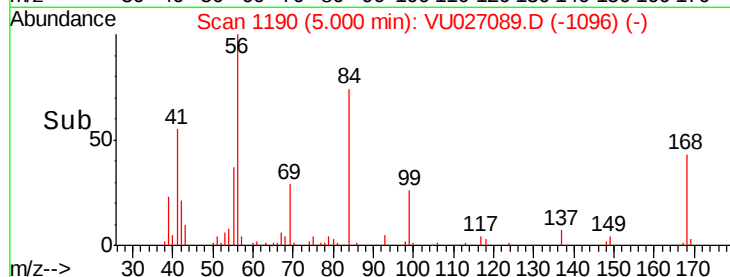
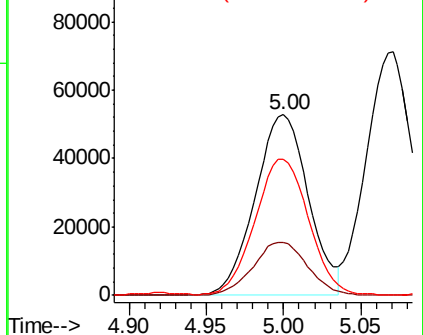
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.4
84	75.1	61.4	92.2

Manual Integrations
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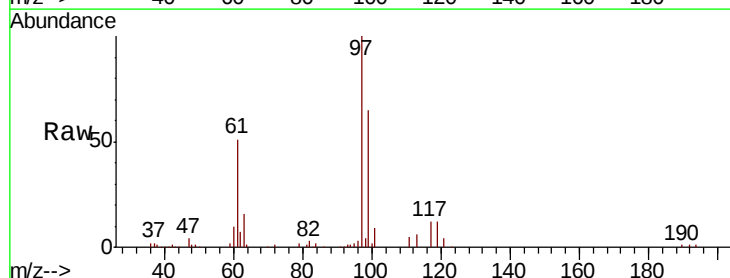


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

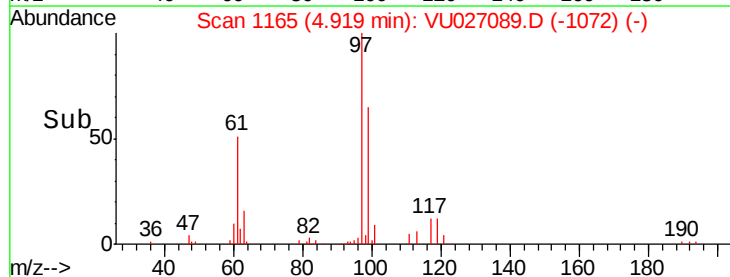
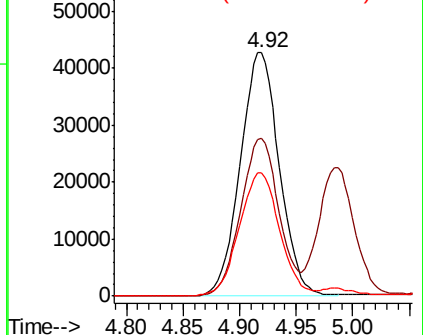


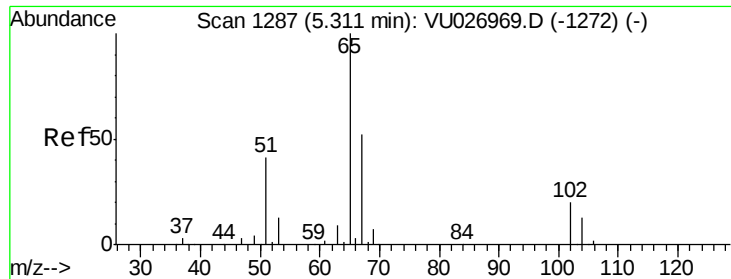
#32
1,1,1-Trichloroethane
Concen: 54.477 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	52.4	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





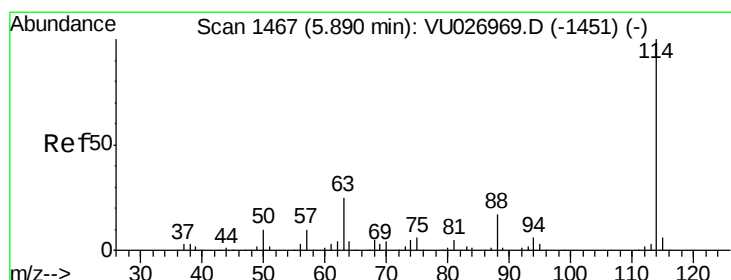
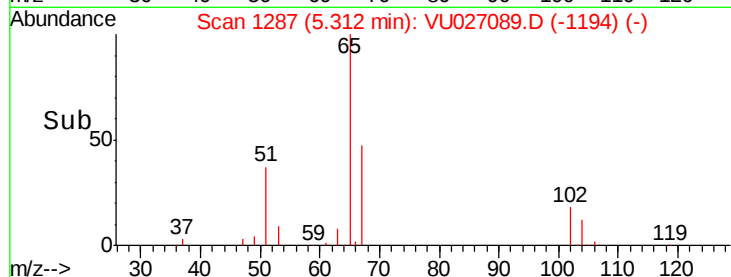
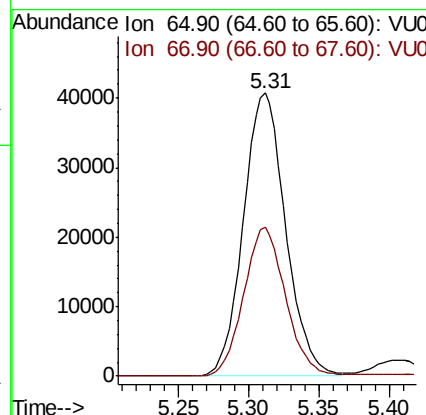
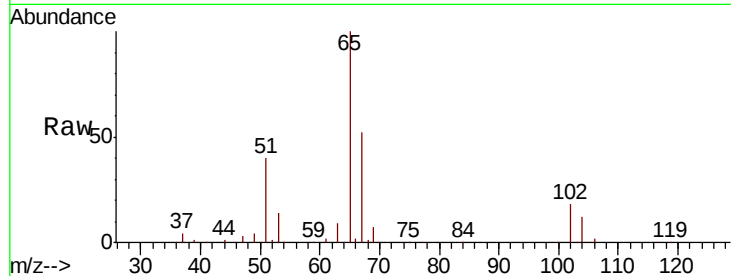
#33
 1,2-Dichloroethane-d4
 Concen: 55.106 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.6

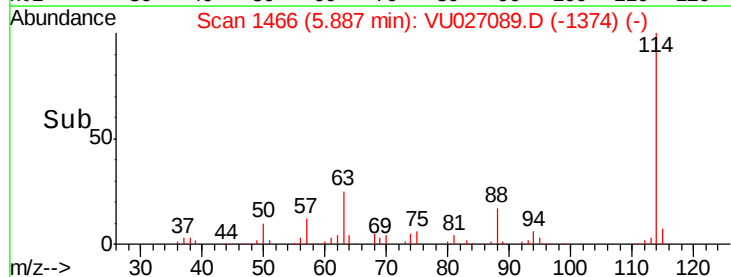
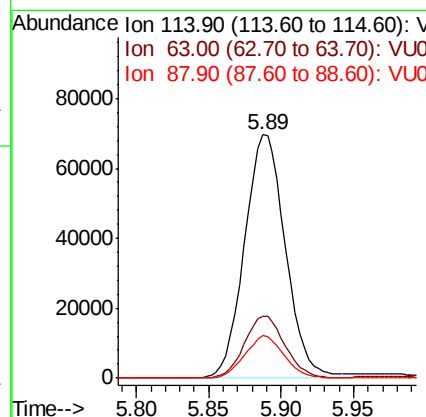
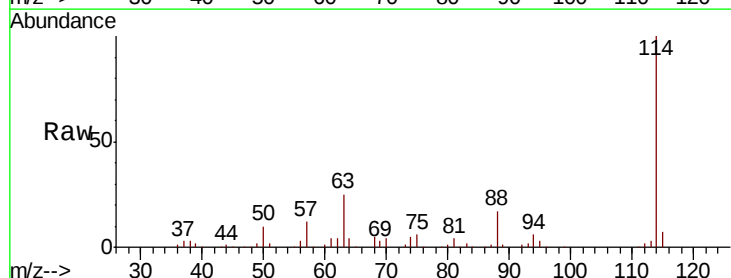
Manual Integrations
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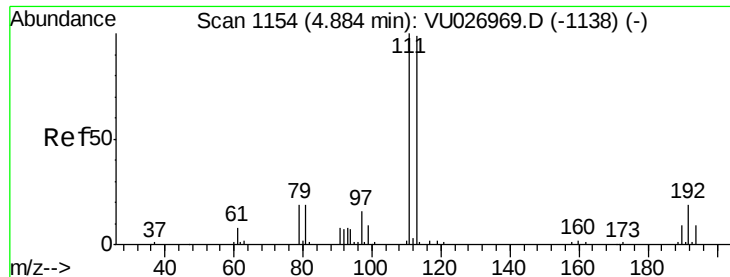
MMDadoda
 9/24/2018 4:40:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	49.2
88	17.4	0.0	33.8





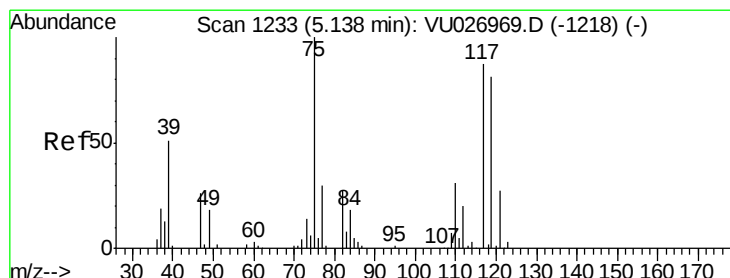
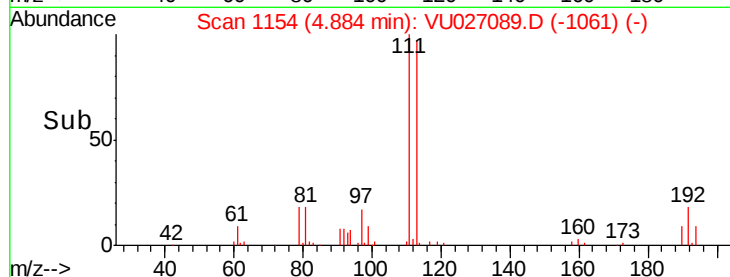
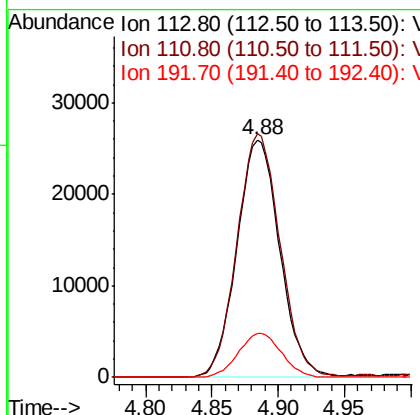
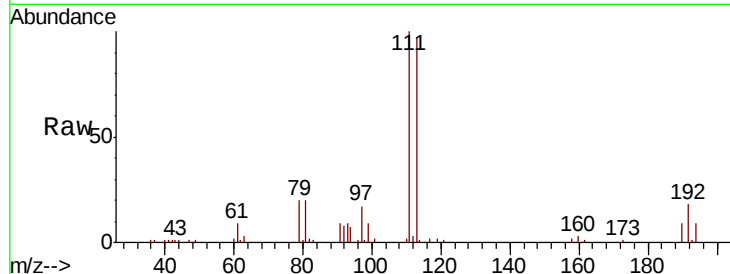
#35
 Dibromofluoromethane
 Concen: 49.294 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	82.2	123.4	
192	18.5	15.2	22.8	

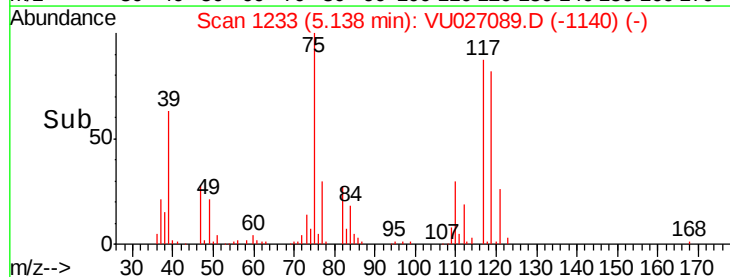
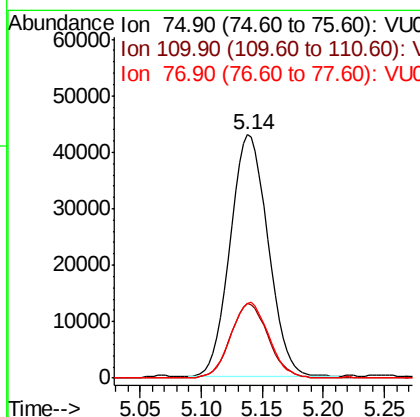
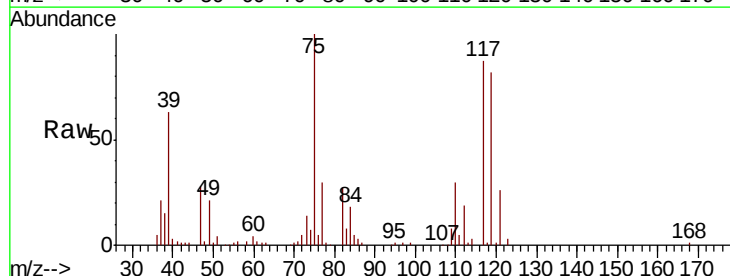
Manual Integrations
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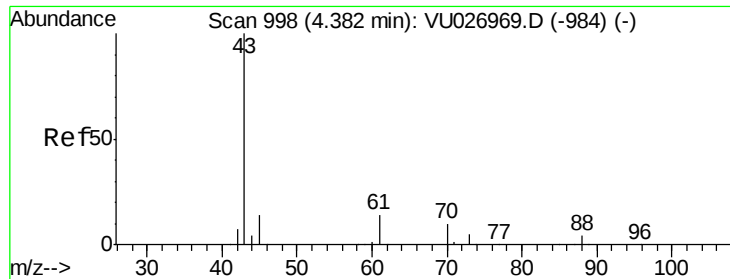
MMDadoda
 9/24/2018 4:40:39 PM



#36
 1,1-Dichloropropene
 Concen: 50.695 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.6	16.1	48.2	
77	30.7	24.6	36.8	





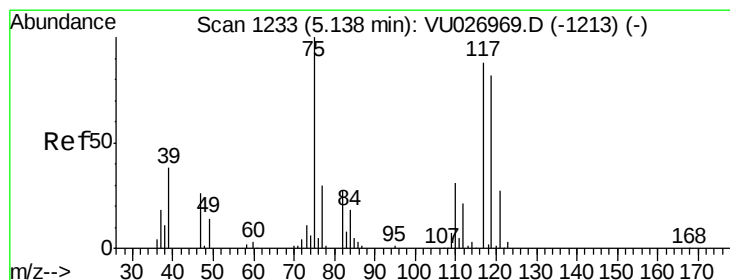
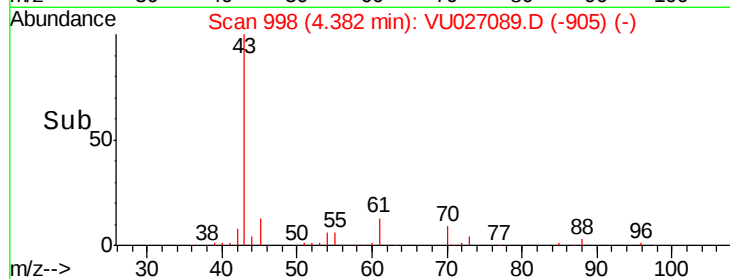
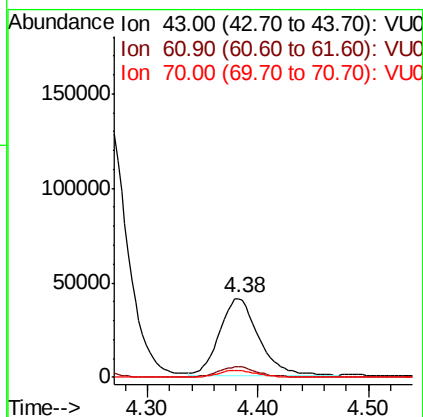
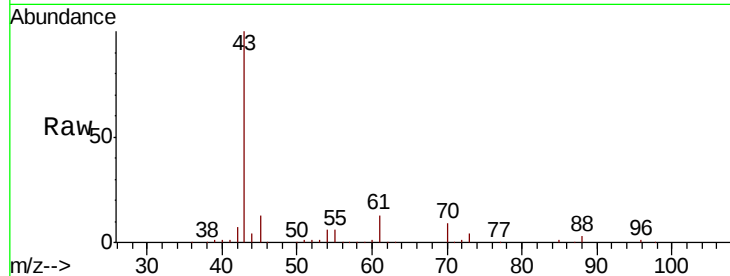
#37
Ethyl Acetate
Concen: 40.650 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	8.9	7.4	11.0

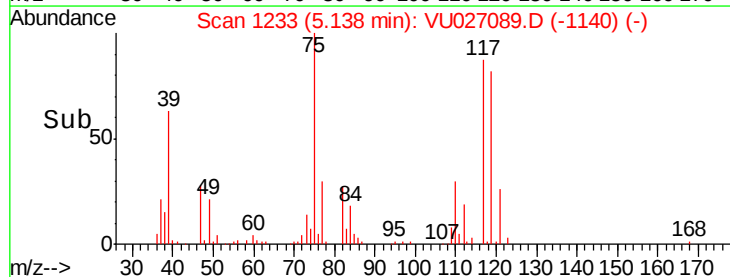
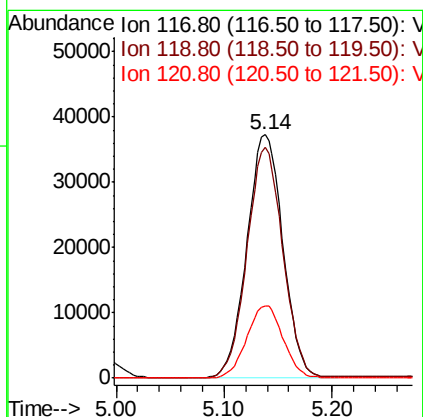
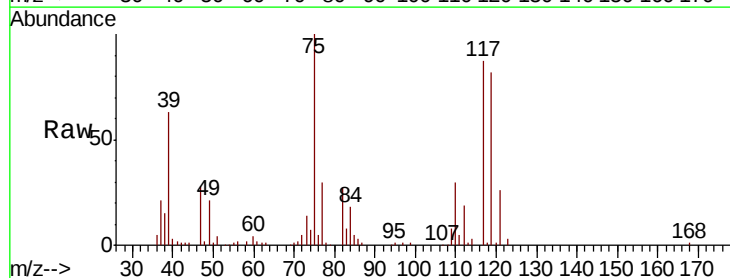
Manual Integrations
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9/24/2018 4:40:39 PM



#38
Carbon Tetrachloride
Concen: 50.075 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.4	111.6
121	29.9	24.2	36.4





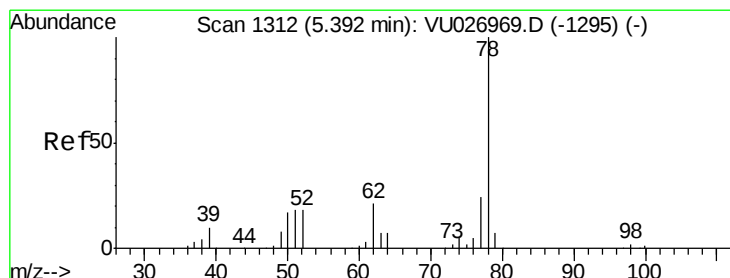
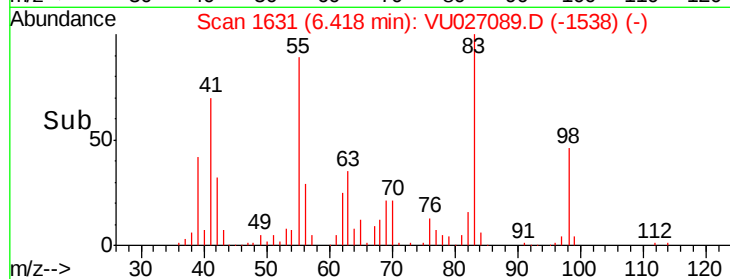
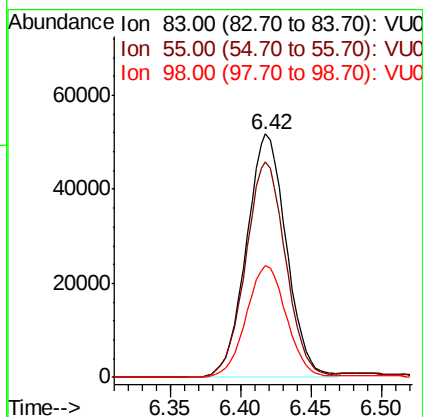
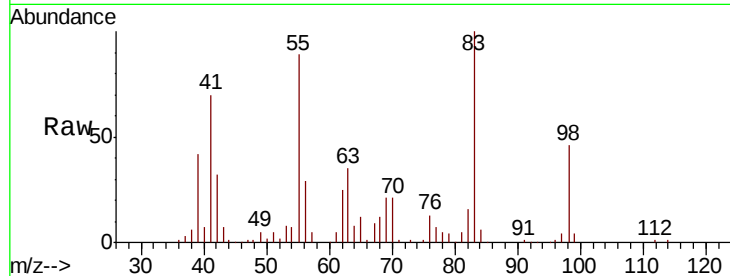
#39
Methvlcvclohexane
Concen: 51.980 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	69.9	104.9
98	45.7	37.5	56.3

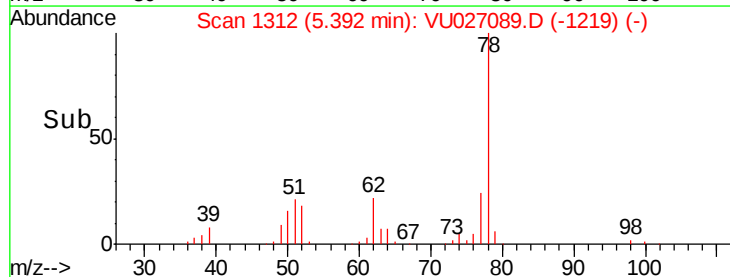
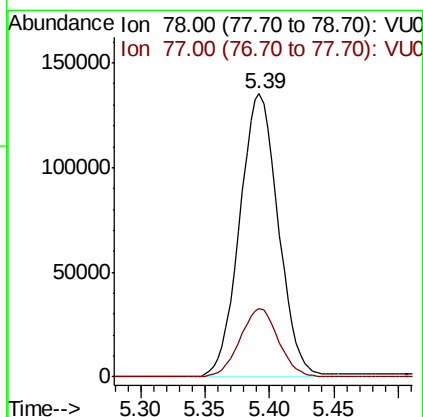
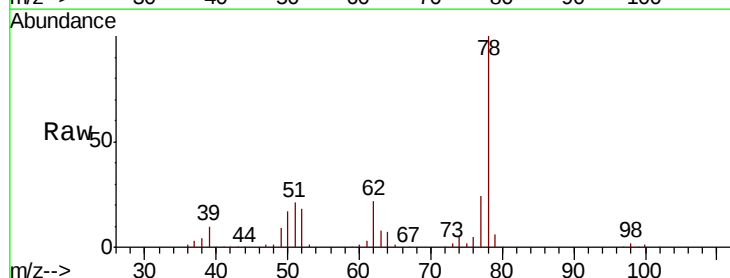
Manual Integrations
APPROVED

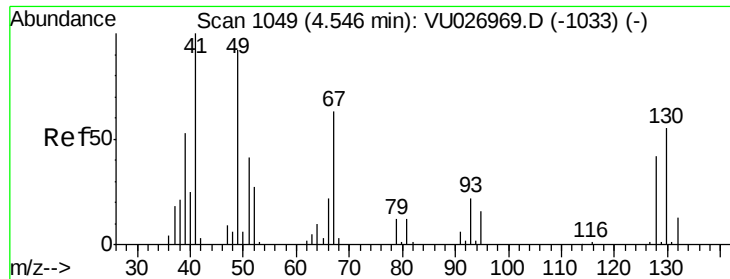
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#40
Benzene
Concen: 51.017 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





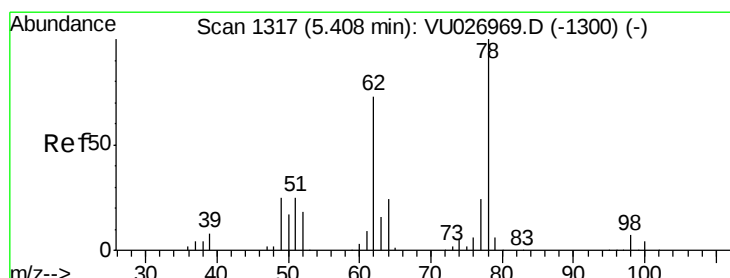
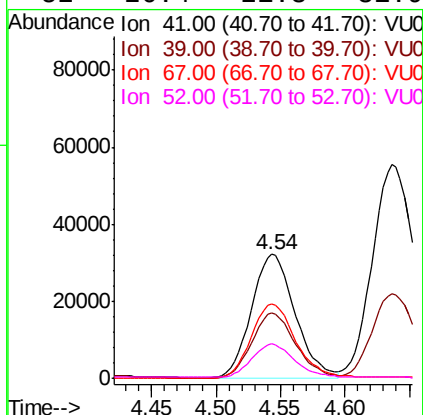
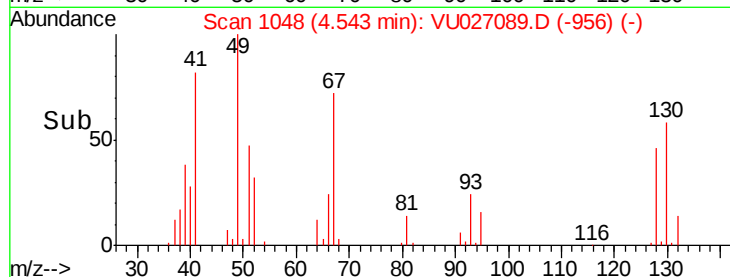
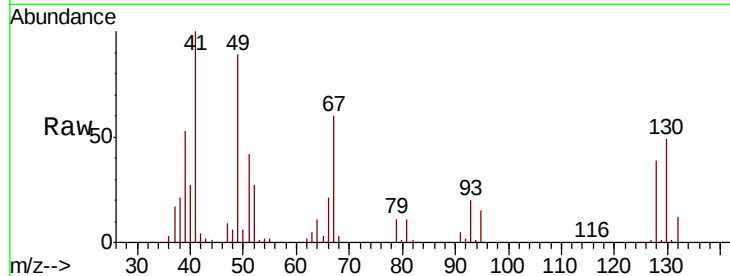
#41
Methacrylonitrile
Concen: 58.711 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.9	64.3	
67	62.1	52.4	78.6	
52	26.4	21.3	31.9	

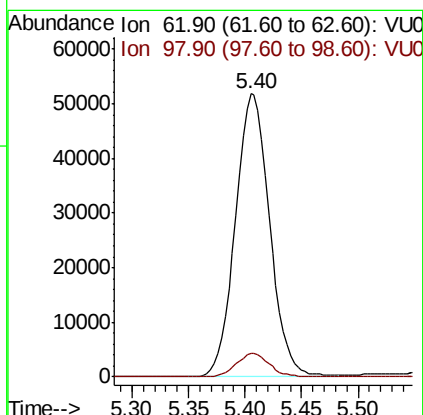
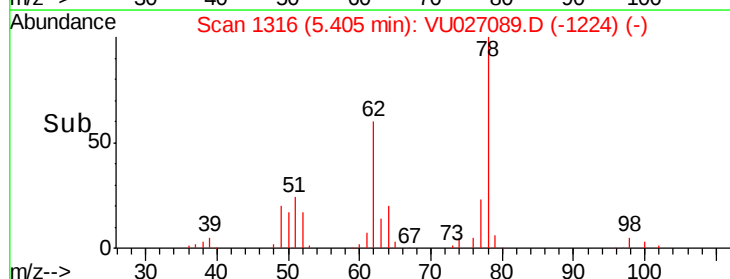
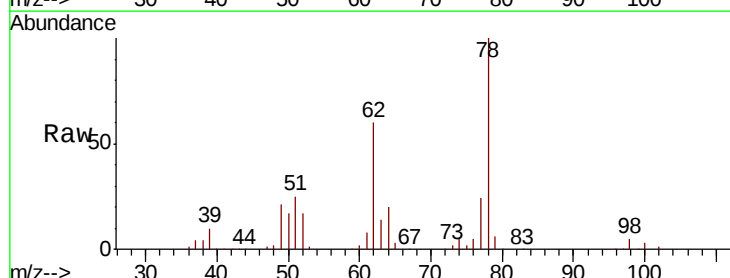
Manual Integrations
APPROVED

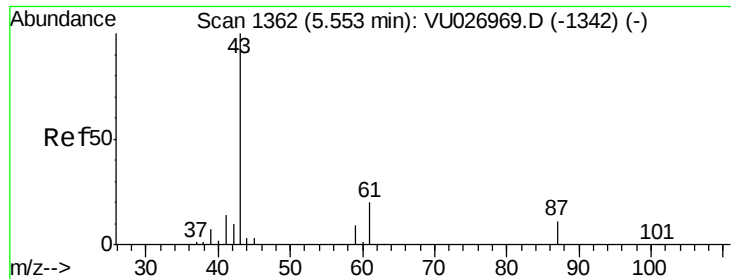
MMDadoda
9/24/2018 4:40:39 PM



#42
1,2-Dichloroethane
Concen: 52.405 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

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





#43

Isopropyl Acetate

Concen: 47.068 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

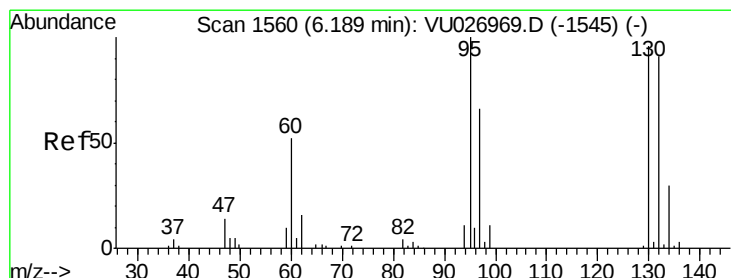
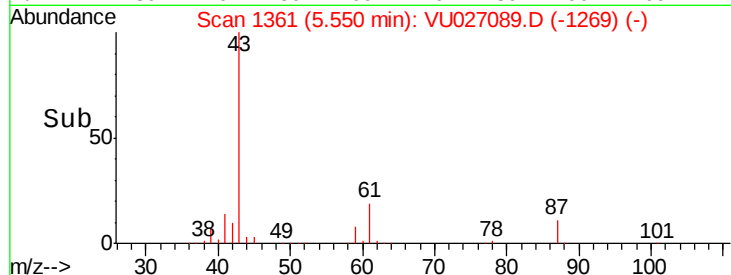
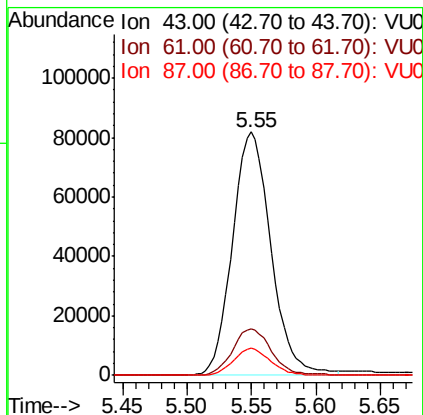
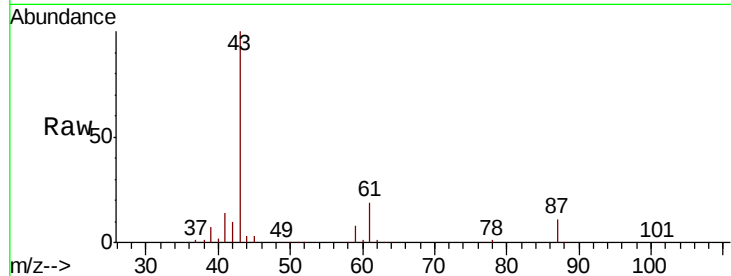
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	43	Resp:	169424
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.7	23.5
87	10.8	9.0	13.4

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#44

Trichloroethene

Concen: 50.120 ug/l

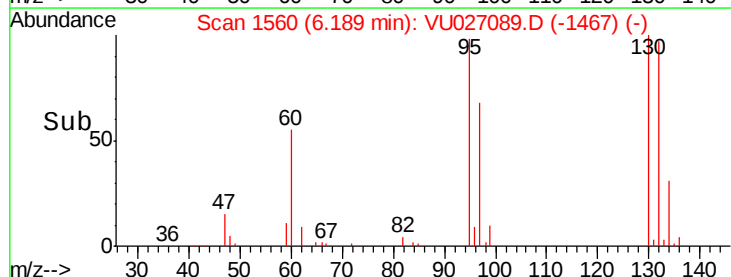
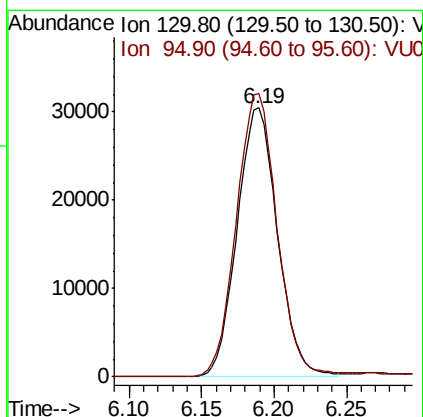
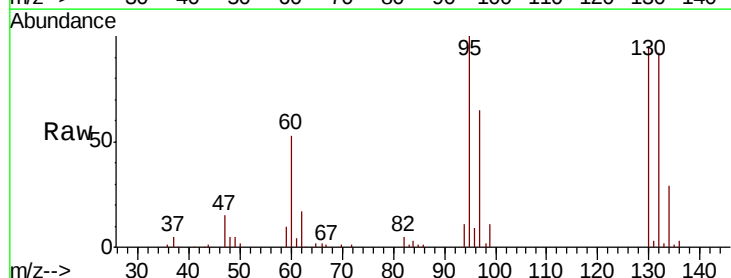
RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	130	Resp:	59141
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	208.8





#45

1,2-Dichloropropane

Concen: 53.462 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 63 Resp: 84432

Ion Ratio Lower Upper

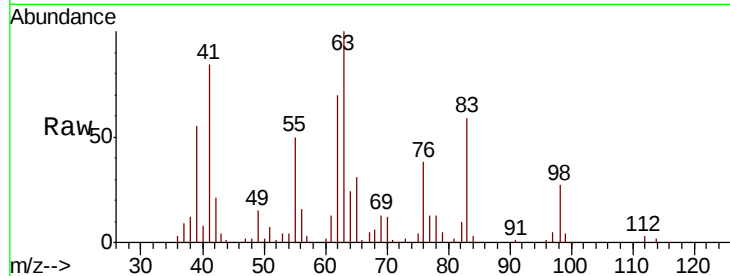
63 100

65 31.0 24.3 36.5

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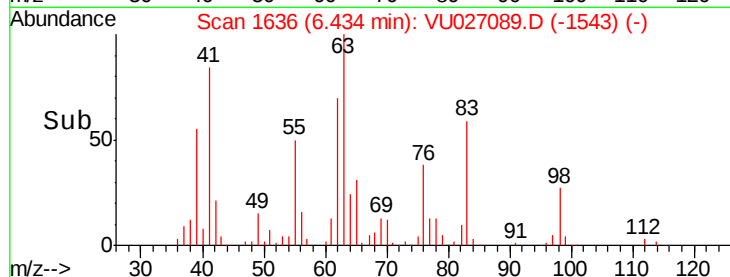


Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1621) (-)

Ion 64.90 (64.60 to 65.60): VU026969.D (-1621) (-)

6.43

Time-->

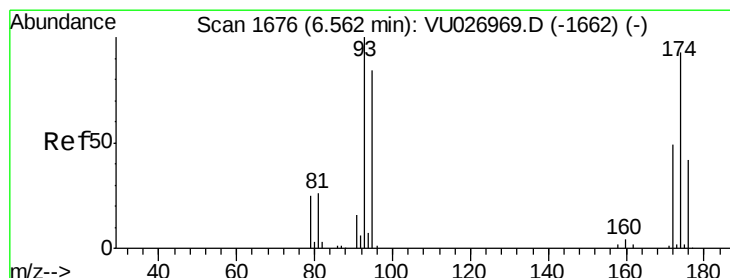


Abundance Ion 62.90 (62.60 to 63.60): VU027089.D (-1543) (-)

Ion 64.90 (64.60 to 65.60): VU027089.D (-1543) (-)

6.43

Time-->



#46

Dibromomethane

Concen: 51.136 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

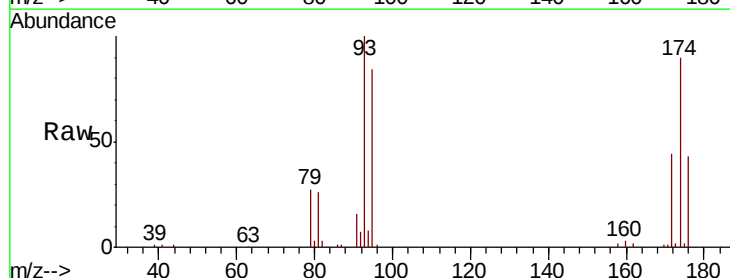
Tgt Ion: 93 Resp: 48774

Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 85.2 71.7 107.5



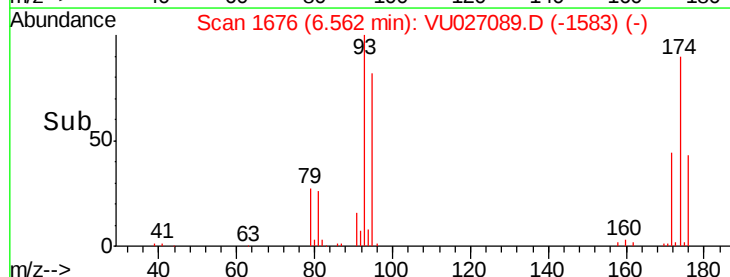
Abundance Ion 92.80 (92.50 to 93.50): VU026969.D (-1662) (-)

Ion 94.80 (94.50 to 95.50): VU026969.D (-1662) (-)

Ion 173.70 (173.40 to 174.40): VU026969.D (-1662) (-)

6.56

Time-->



Abundance Ion 92.80 (92.50 to 93.50): VU027089.D (-1583) (-)

Ion 94.80 (94.50 to 95.50): VU027089.D (-1583) (-)

Ion 173.70 (173.40 to 174.40): VU027089.D (-1583) (-)

6.56

Time-->



#47

Bromodichloromethane

Concen: 51.295 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

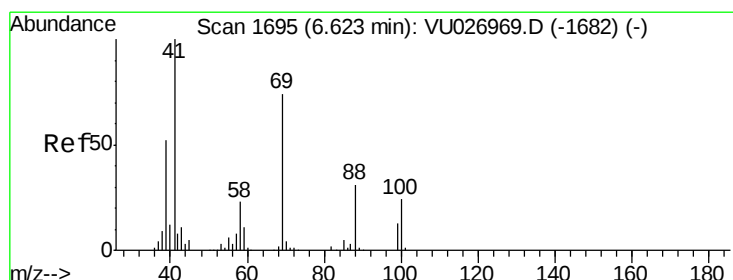
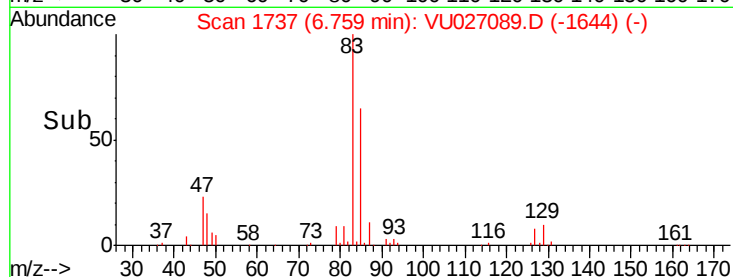
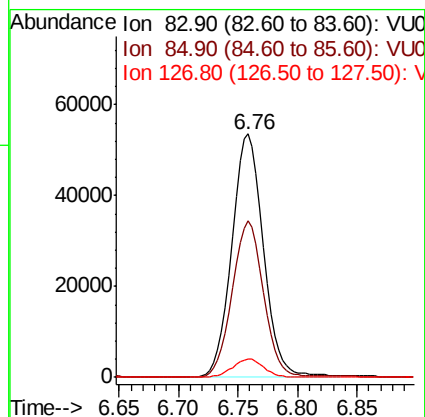
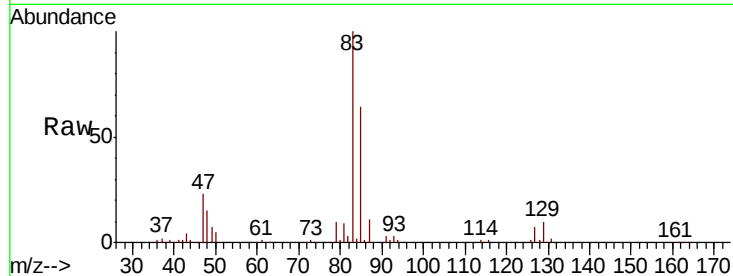
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	83	Resp:	98931
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	7.5	6.3	9.5

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#48

Methyl methacrylate

Concen: 52.465 ug/l

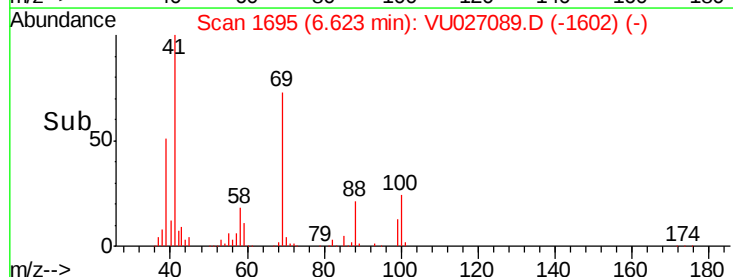
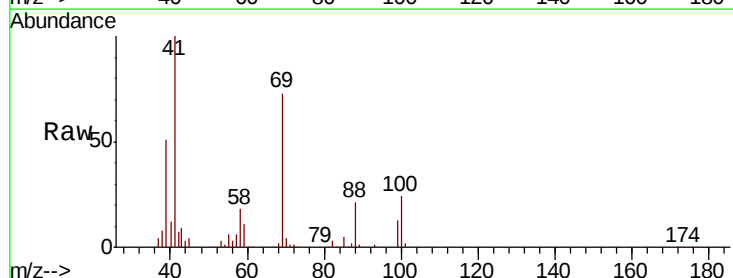
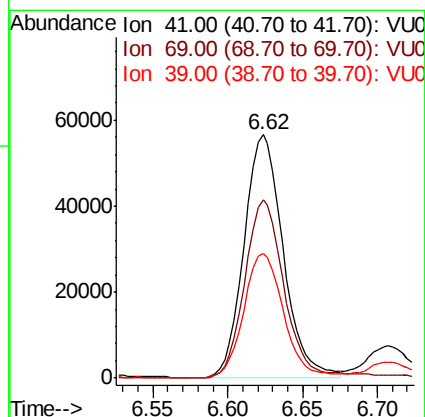
RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	41	Resp:	102888
Ion	Ratio	Lower	Upper
41	100		
69	76.2	60.6	90.8
39	52.4	42.8	64.2





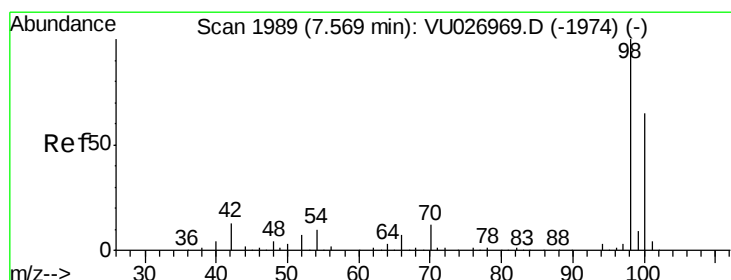
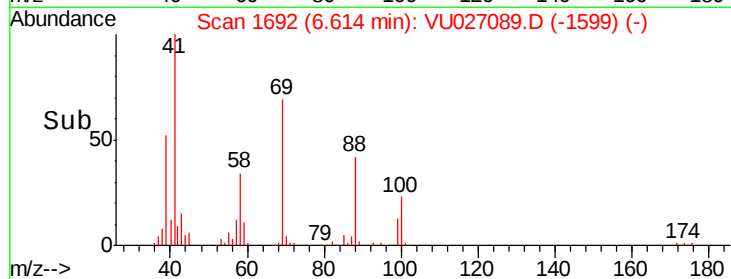
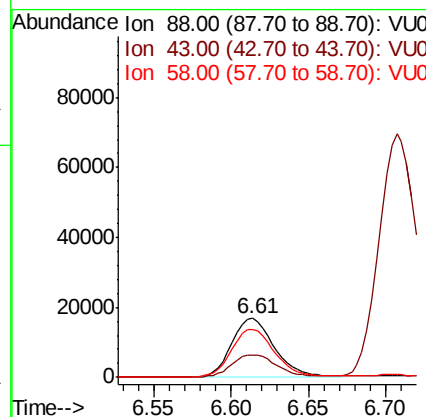
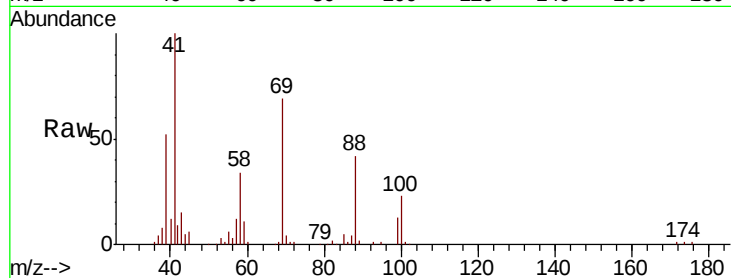
#49
1,4-Dioxane
Concen: 843.195 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.4	29.8	44.8	
58	82.0	63.9	95.9	

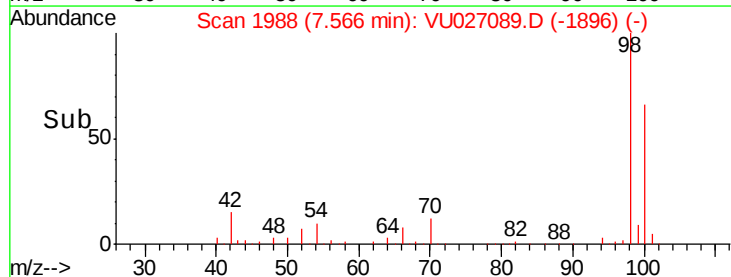
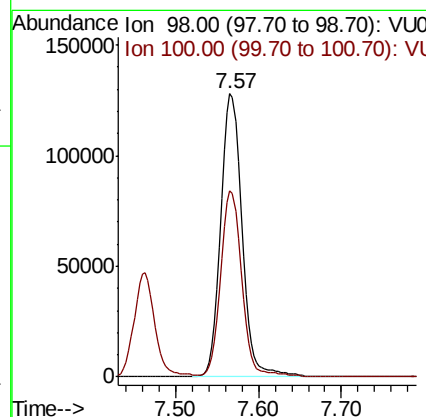
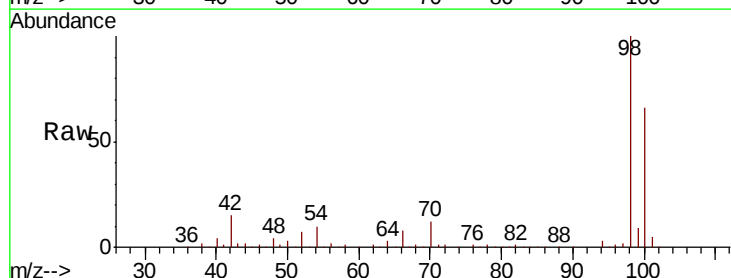
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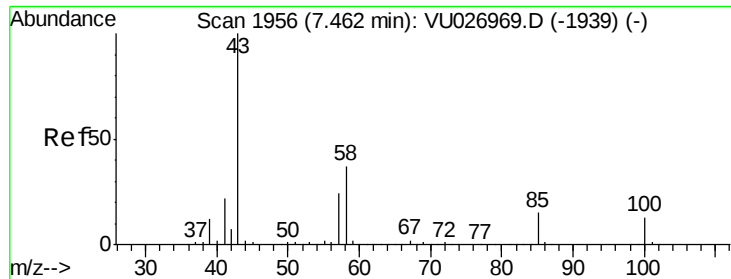
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#50
Toluene-d8
Concen: 50.589 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.5	52.1	78.1	





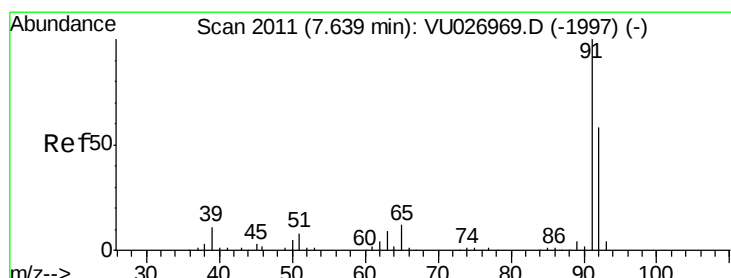
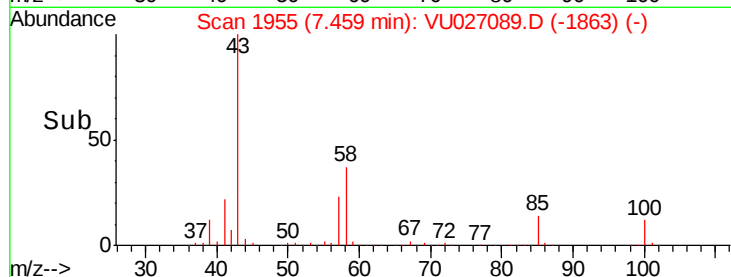
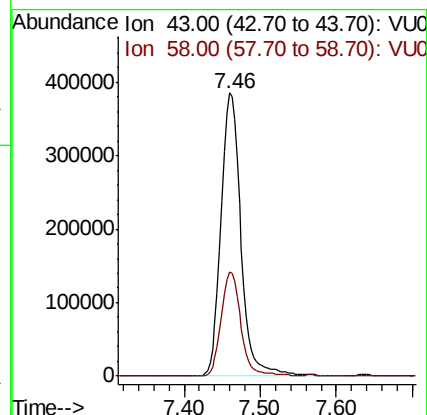
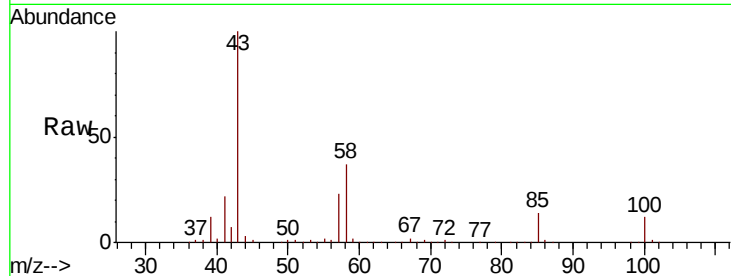
#51
4-Methyl-2-Pentanone
Concen: 289.481 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

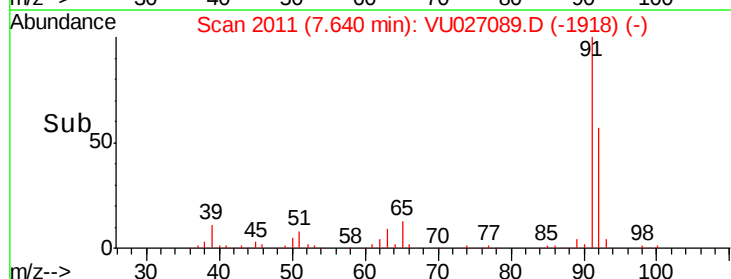
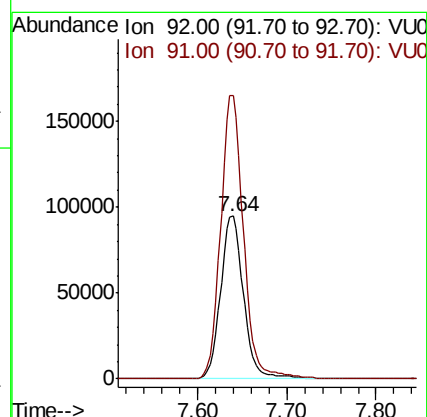
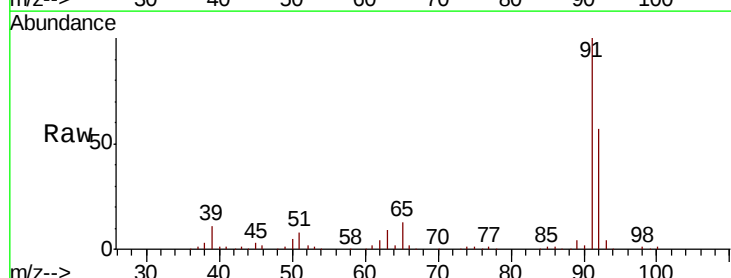
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#52
Toluene
Concen: 53.216 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	136.4	204.6





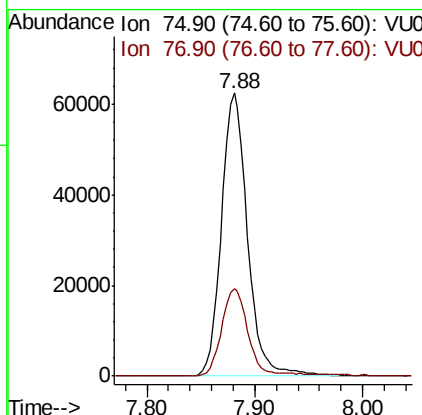
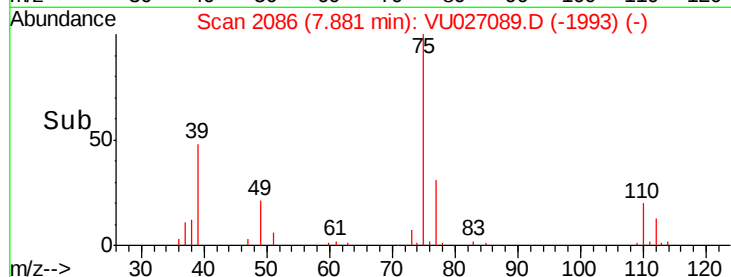
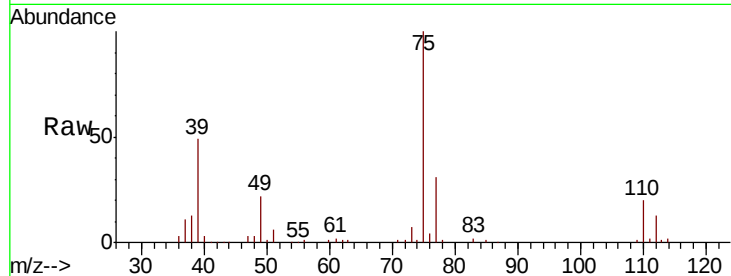
#53
t-1,3-Dichloropropene
Concen: 50.609 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion: 75 Resp: 104870
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

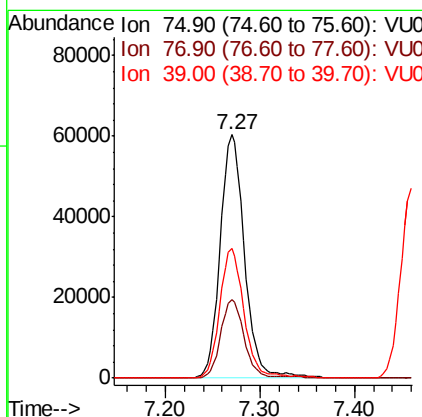
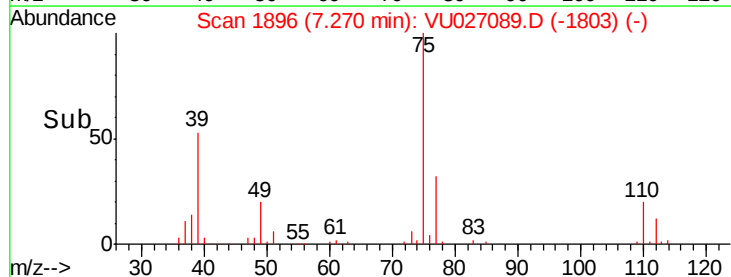
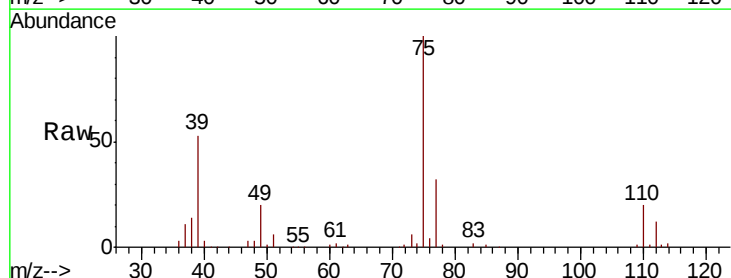
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#54
cis-1,3-Dichloropropene
Concen: 47.512 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion: 75 Resp: 108252
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
39 53.0 41.6 62.4





#55

1,1,2-Trichloroethane

Concen: 50.989 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

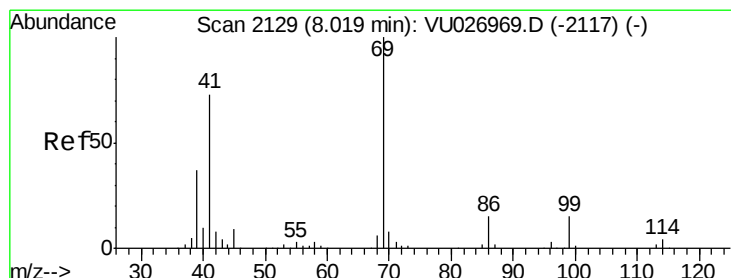
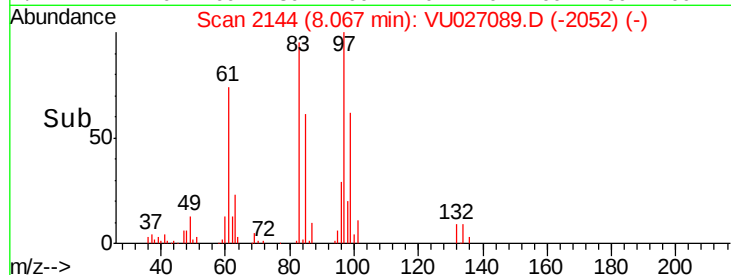
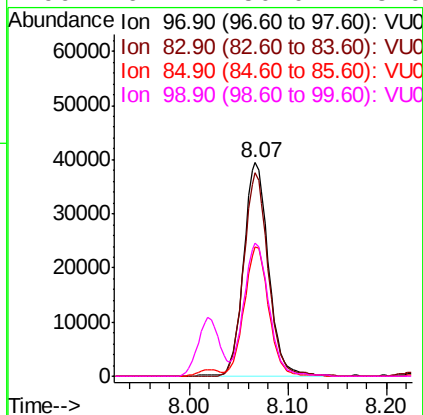
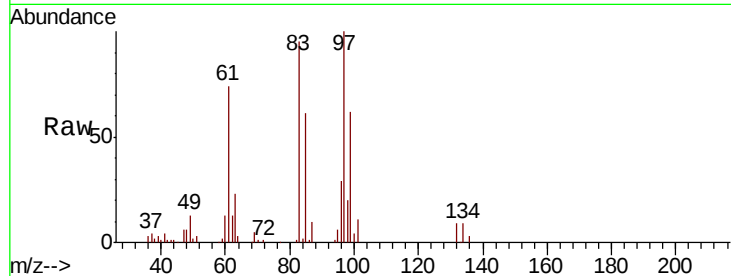
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	97	Resp:	68641
Ion	Ratio	Lower	Upper
97	100		
83	95.0	73.1	109.7
85	60.6	46.7	70.1
99	62.2	50.0	75.0

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#56

Ethyl methacrylate

Concen: 50.327 ug/l

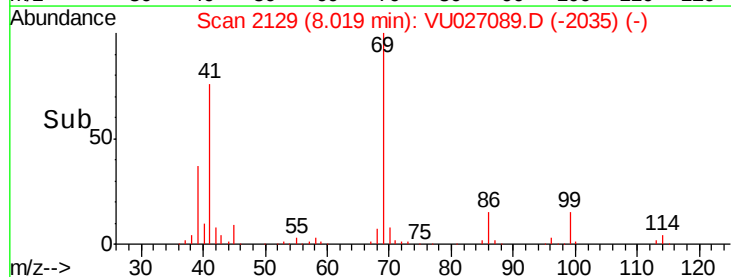
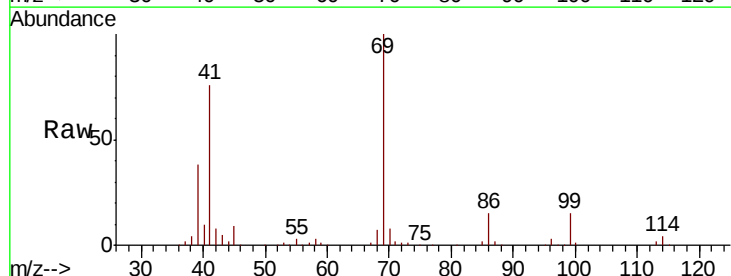
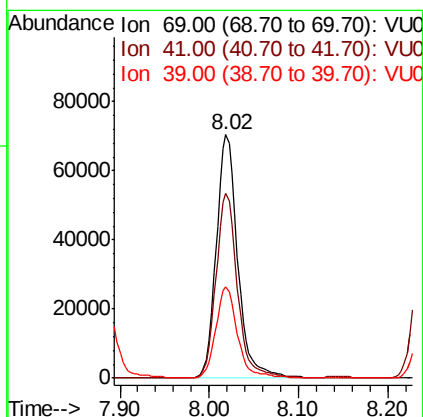
RT: 8.02 min Scan# 2129

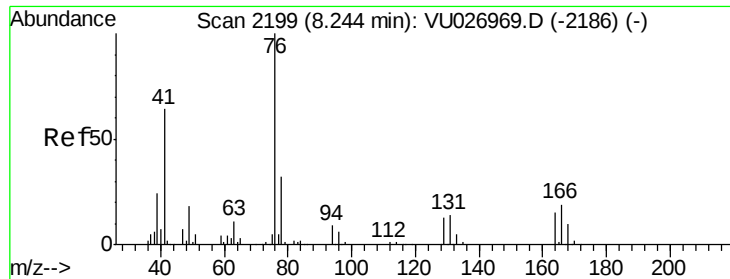
Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	69	Resp:	117589
Ion	Ratio	Lower	Upper
69	100		
41	76.3	59.0	88.4
39	37.2	30.2	45.4





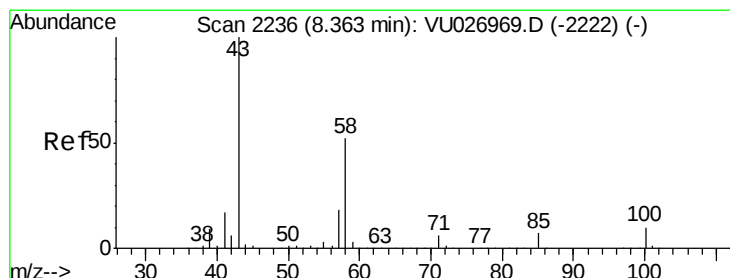
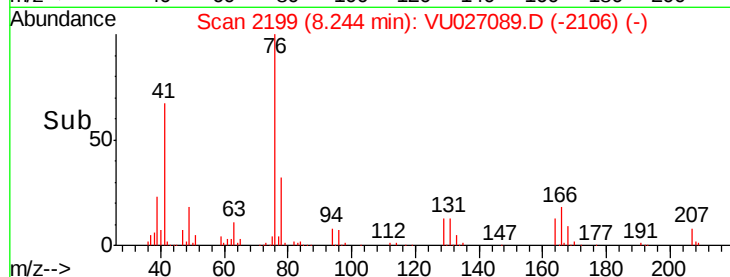
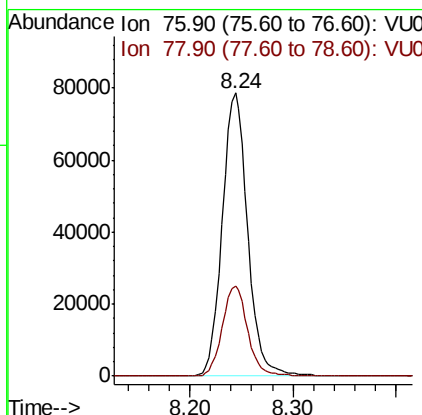
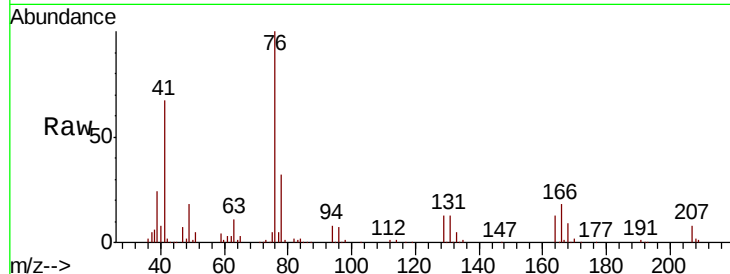
#57
 1,3-Dichloropropane
 Concen: 53.743 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Tot Ion: 76 Resp: 134562
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3

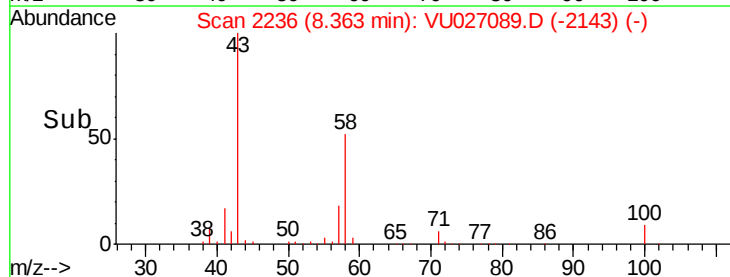
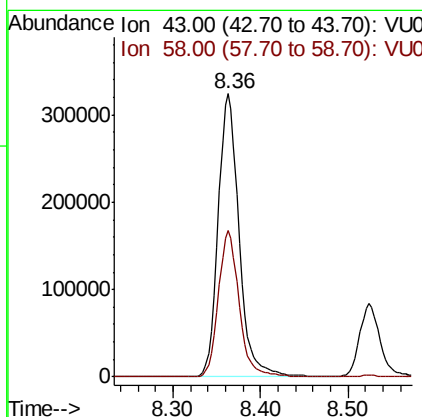
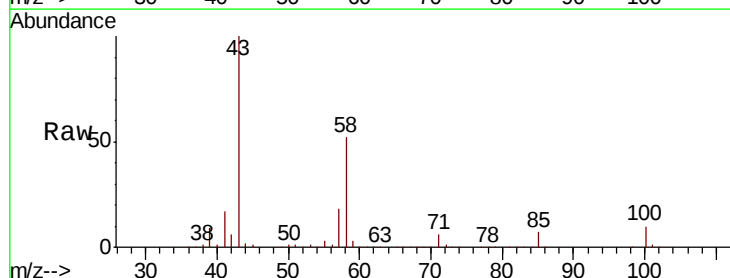
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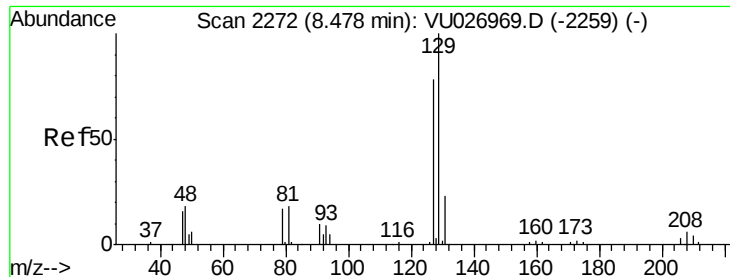
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#59
 2-Hexanone
 Concen: 284.299 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Tgt Ion: 43 Resp: 538762
 Ion Ratio Lower Upper
 43 100
 58 51.5 26.1 78.2





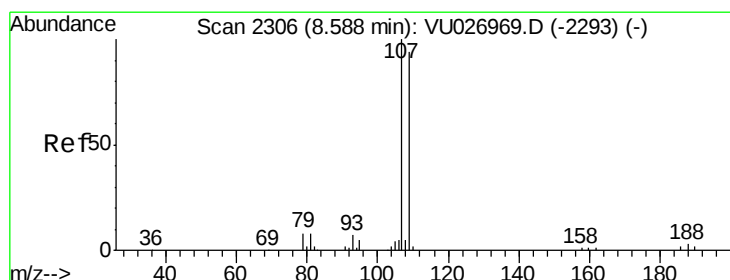
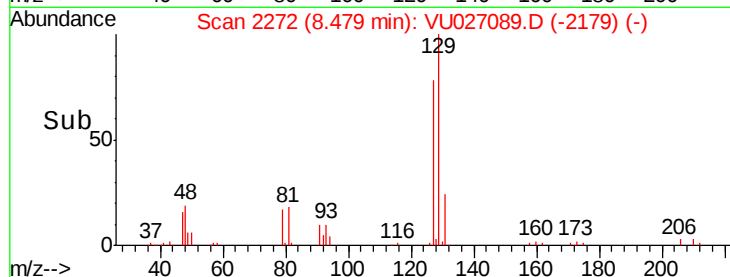
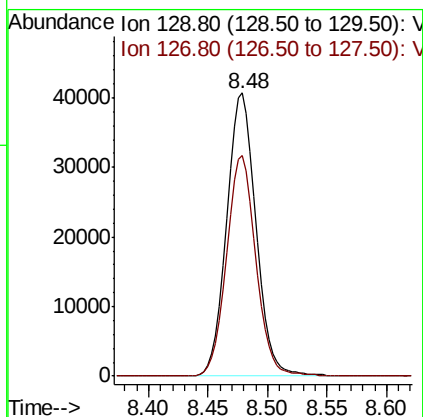
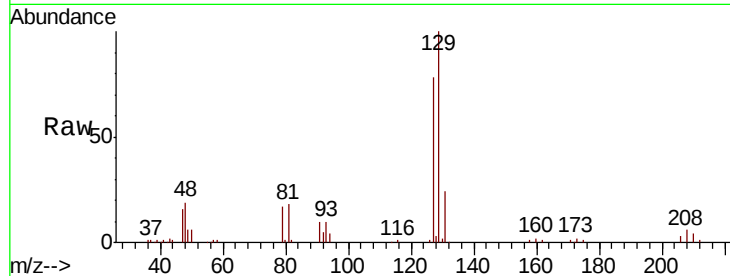
#60
Dibromochloromethane
Concen: 52.685 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion:129 Resp: 69569
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.5

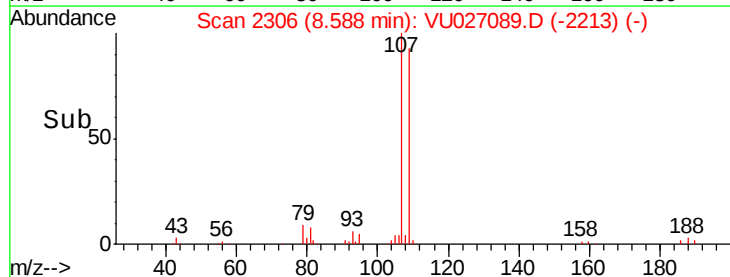
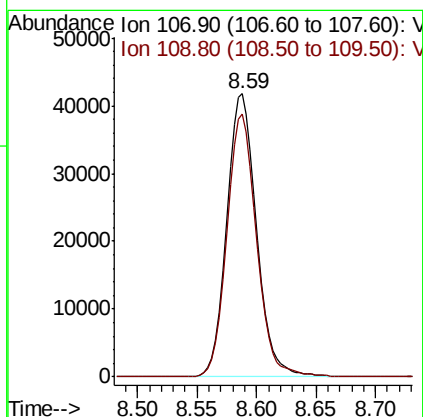
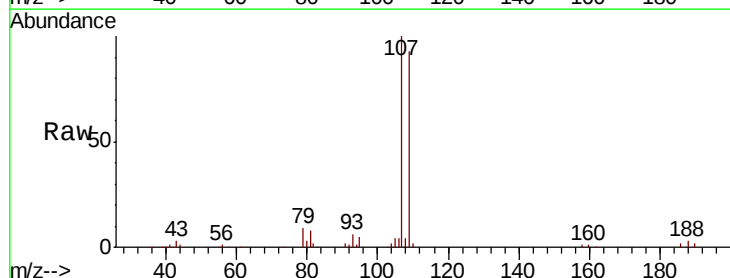
Manual Integrations
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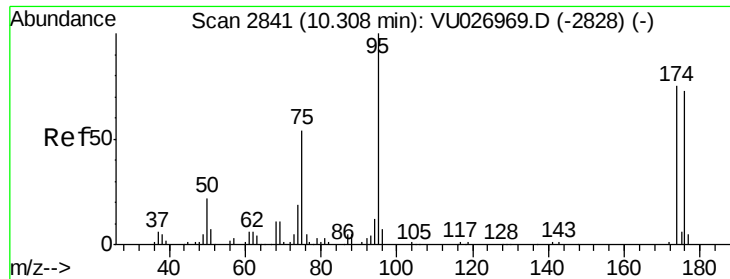
MMDadoda
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#61
1,2-Dibromoethane
Concen: 51.532 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion:107 Resp: 72179
Ion Ratio Lower Upper
107 100
109 92.8 75.0 112.6





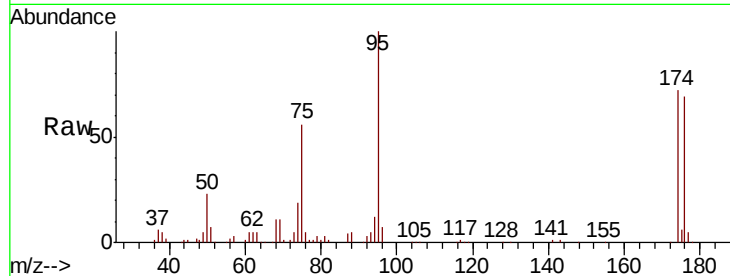
#62
4-Bromofluorobenzene
Concen: 52.466 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	95	Resp	81245
Ion Ratio	100	Lower	Upper
95	100		
174	72.2	0.0	150.2
176	68.6	0.0	145.2

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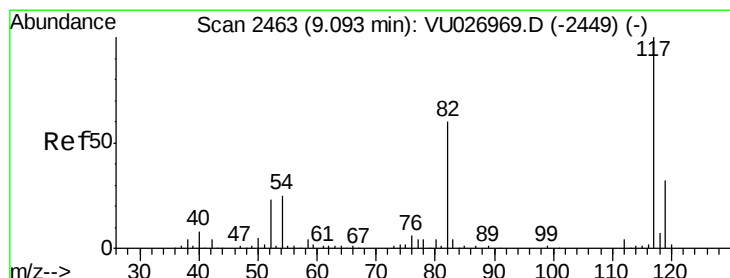
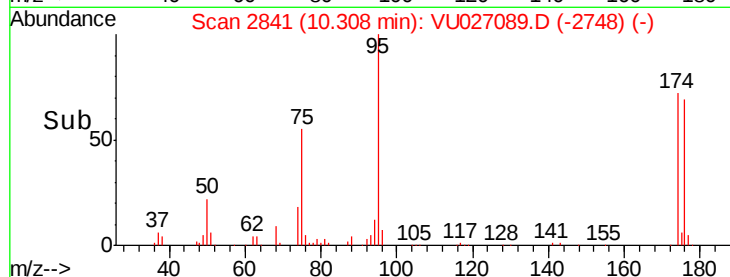
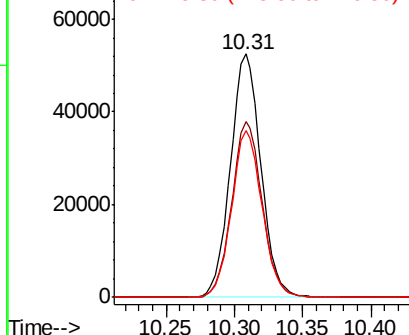
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Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

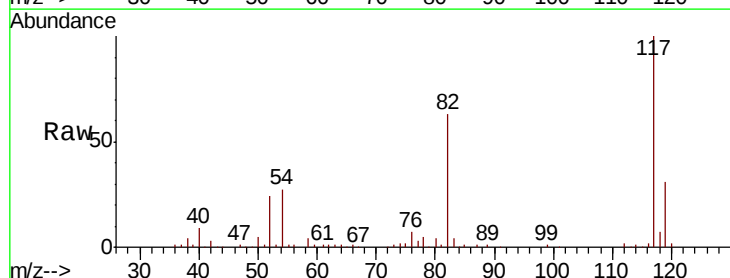
Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

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: VU027089.D
Acq: 23 Sep 2018 21:52

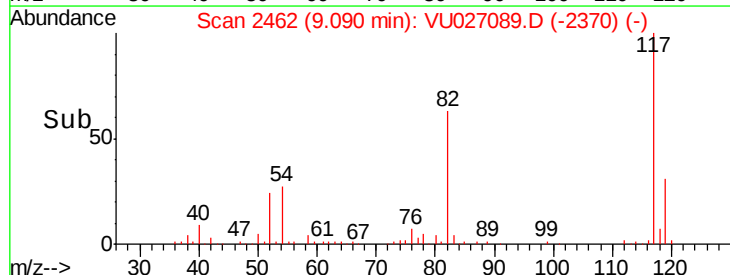
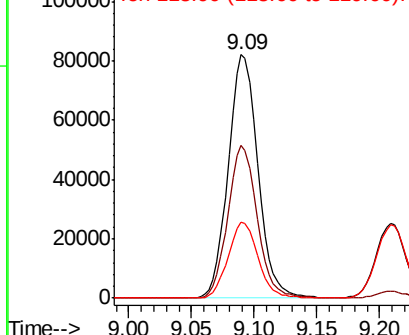
Tgt Ion	117	Resp	135280
Ion Ratio	100	Lower	Upper
117	100		
82	62.6	48.0	72.0
119	31.1	25.8	38.8

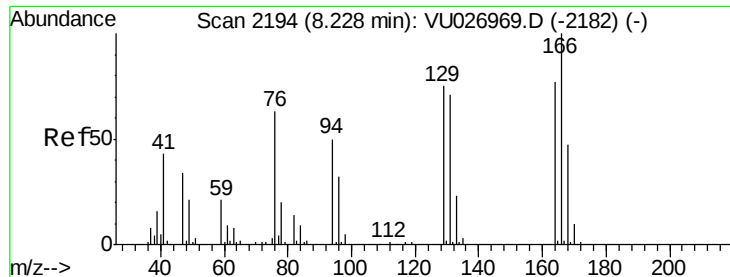


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

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: 45.728 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion:164 Resp: 47668

Ion Ratio Lower Upper

164 100

166 125.8 104.4 156.6

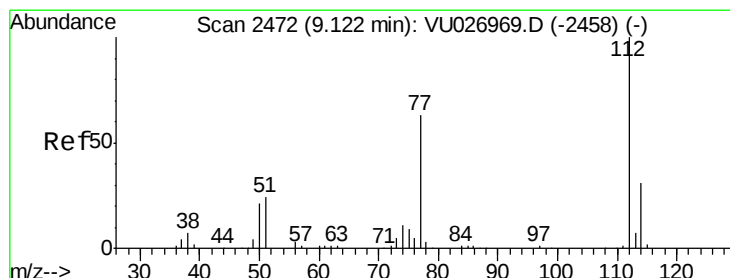
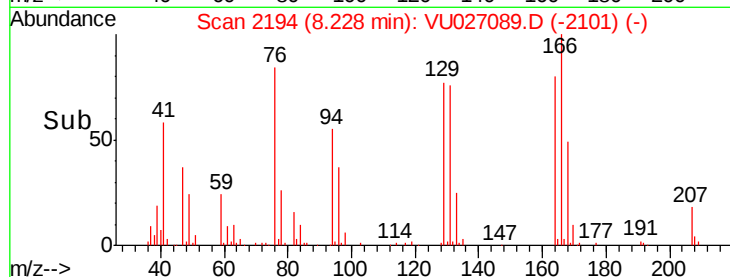
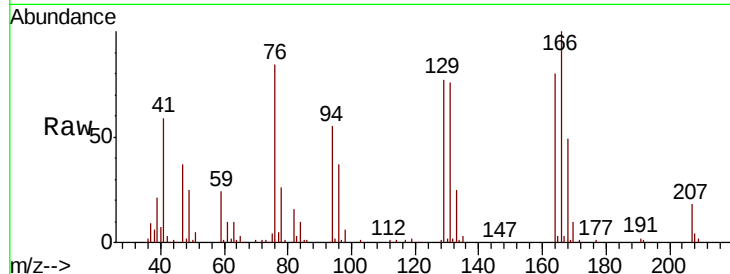
129 96.5 78.7 118.1

131 95.9 73.9 110.9

Manual Integrations
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#65

Chlorobenzene

Concen: 47.762 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027089.D

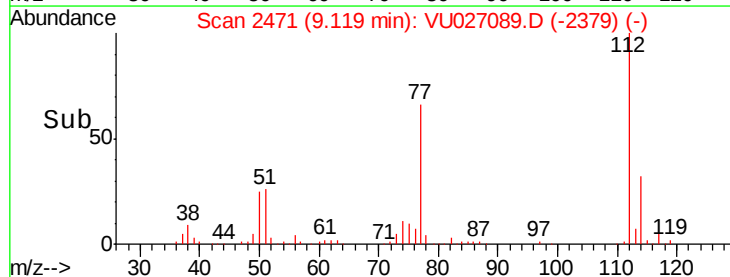
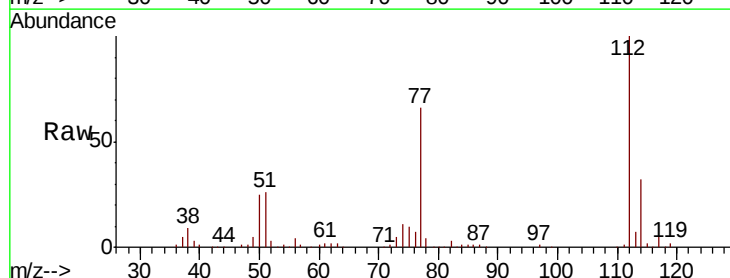
Acq: 23 Sep 2018 21:52

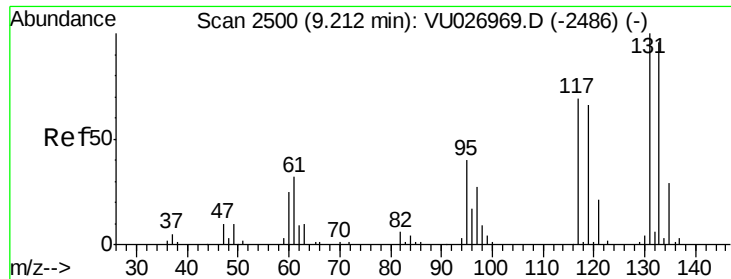
Tgt Ion:112 Resp: 171320

Ion Ratio Lower Upper

112 100

114 31.7 25.0 37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 50.777 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

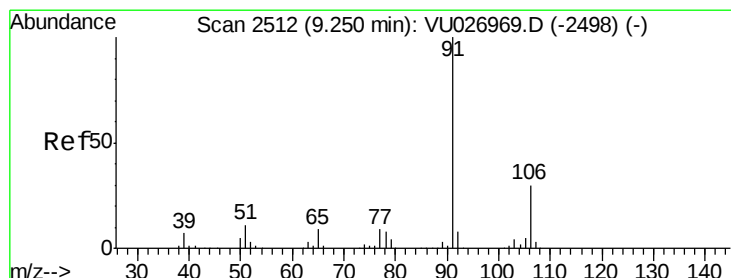
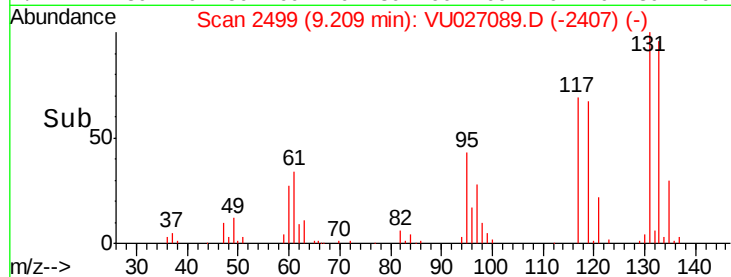
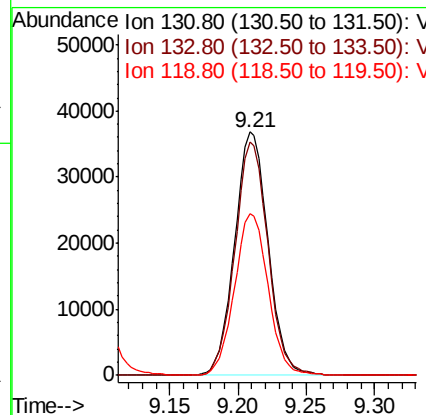
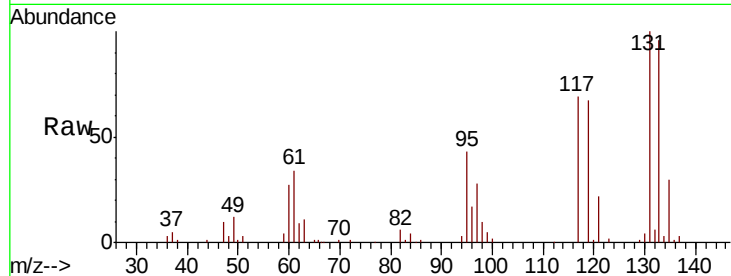
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	131	Resp:	62734
Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.2
119	66.9	33.4	100.1

Manual Integrations
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#67

Ethyl Benzene

Concen: 53.432 ug/l

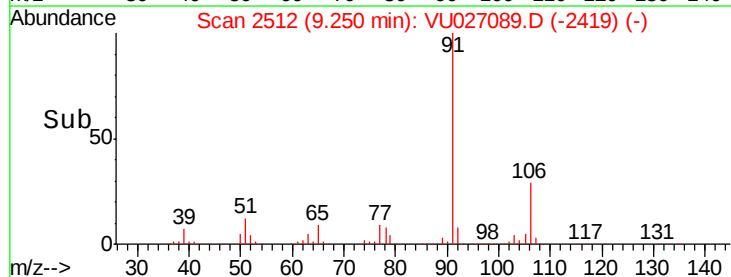
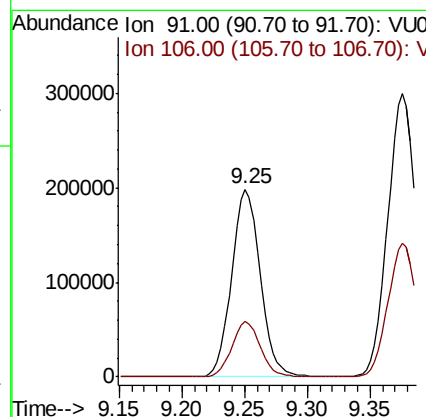
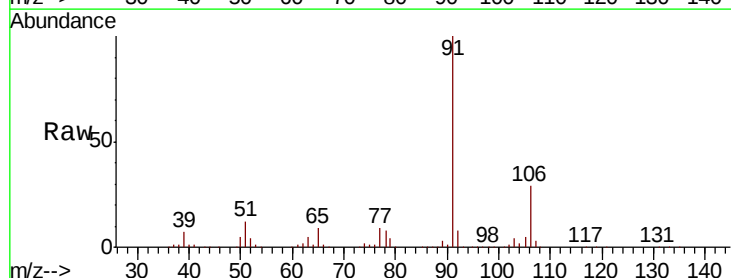
RT: 9.25 min Scan# 2512

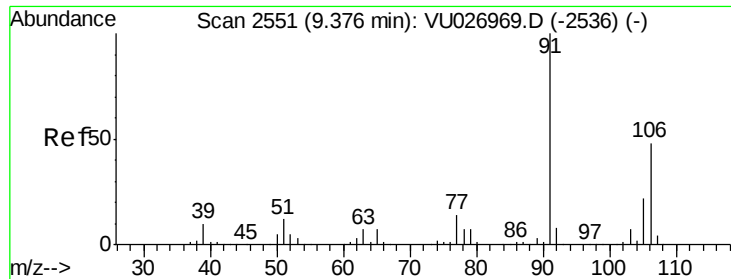
Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	91	Resp:	315161
Ion	Ratio	Lower	Upper
91	100		
106	29.4	23.8	35.8





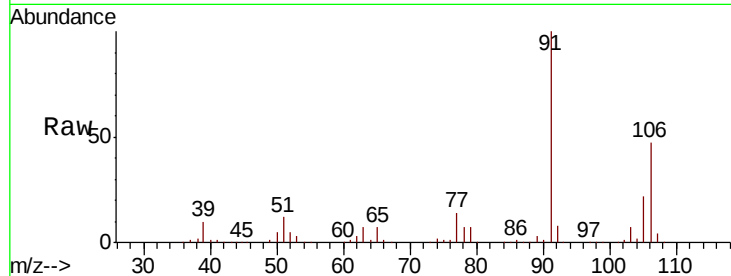
#68
m/p-Xylenes
Concen: 98.086 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

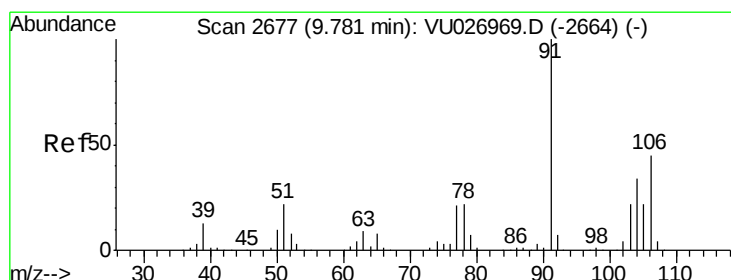
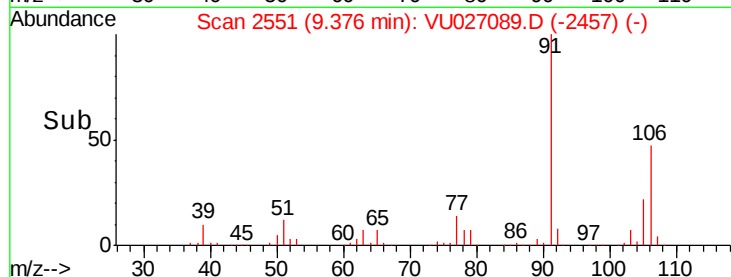
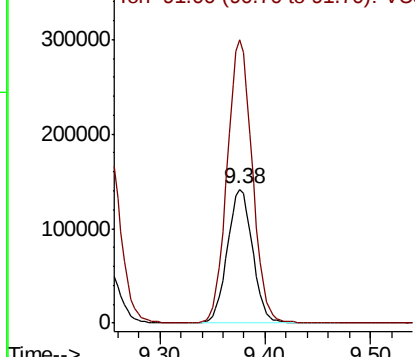
Tot Ion:106 Resp: 234233
Ion Ratio Lower Upper
106 100
91 210.5 166.5 249.7

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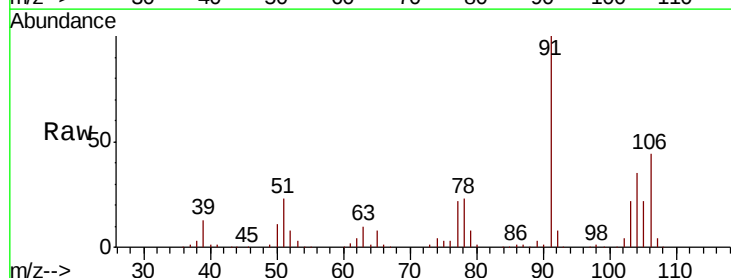


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

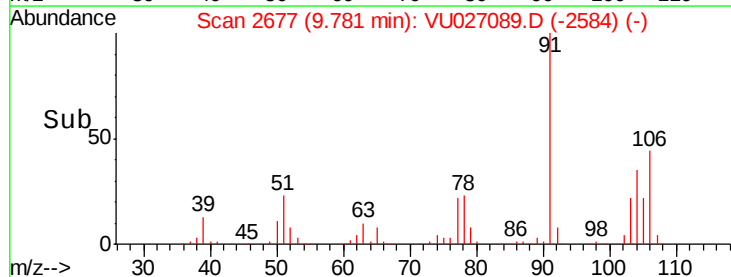
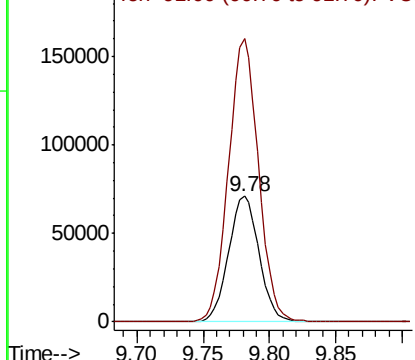


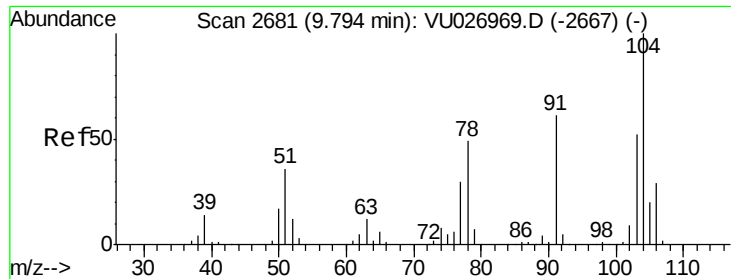
#69
o-Xylene
Concen: 54.344 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion:106 Resp: 113572
Ion Ratio Lower Upper
106 100
91 221.5 110.2 330.6



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





#70

Stvrene

Concen: 45.962 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

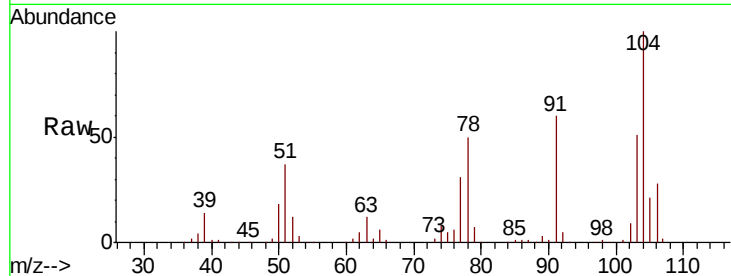
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	104	Resp:	178759
Ion Ratio	Lower	Upper	
104	100		
78	55.7	43.0	64.4
103	55.5	44.1	66.1

Manual Integrations
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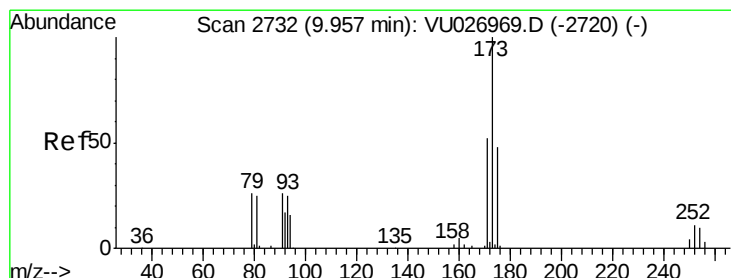
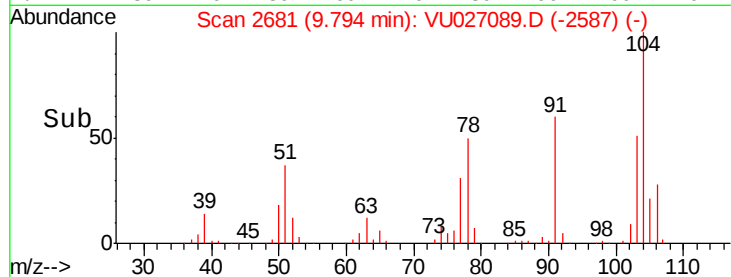
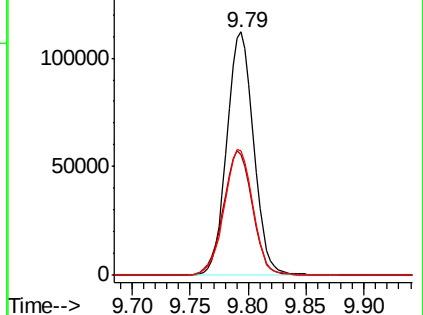
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 52.666 ug/l

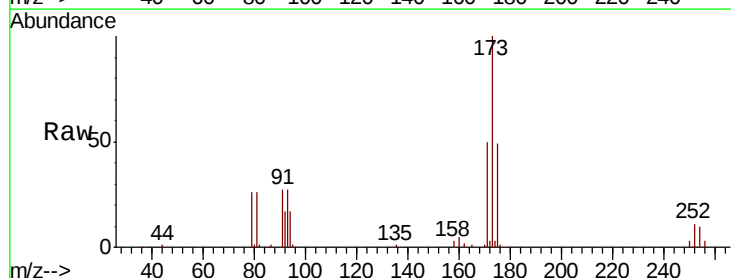
RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

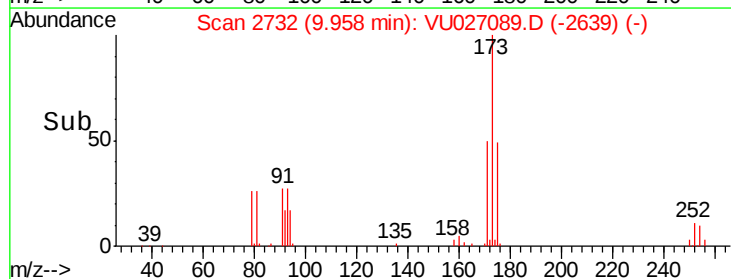
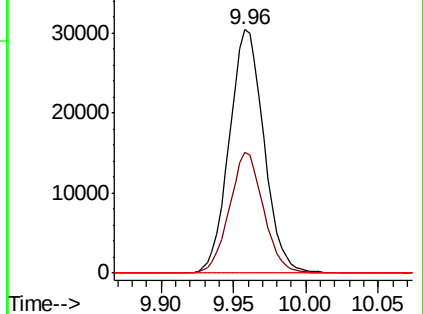
Tgt Ion:	173	Resp:	50317
Ion Ratio	Lower	Upper	
173	100		
175	48.4	23.9	71.8
254	0.0	0.0	0.0

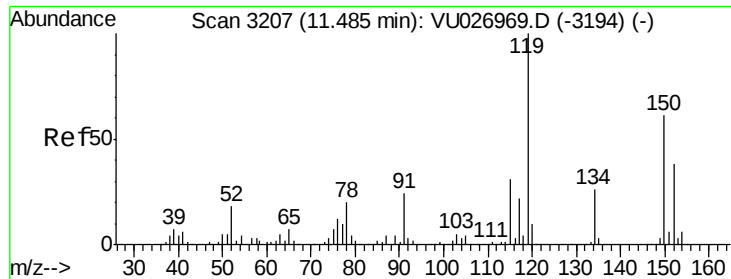


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion:152 Resp: 73868

Ion Ratio Lower Upper

152 100

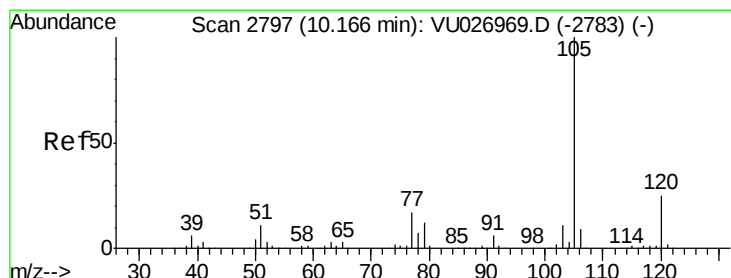
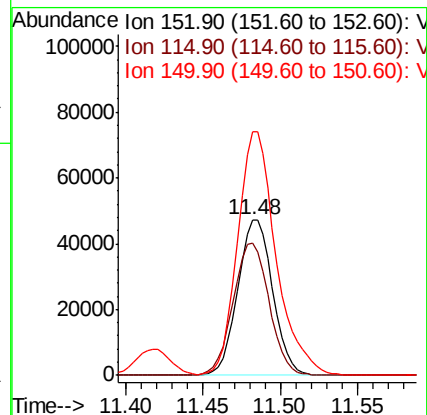
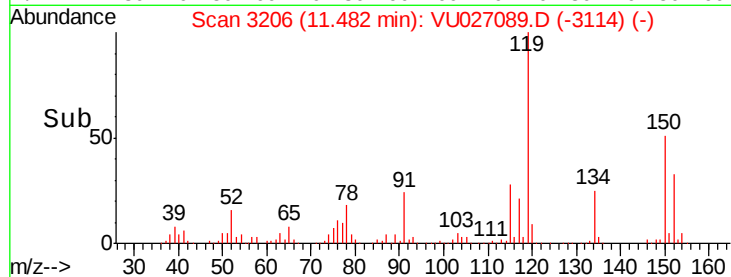
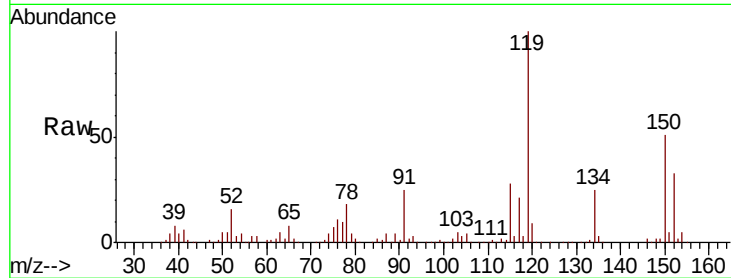
115 87.9 44.9 134.5

150 172.9 0.0 355.8

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#73

Isopropylbenzene

Concen: 54.212 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027089.D

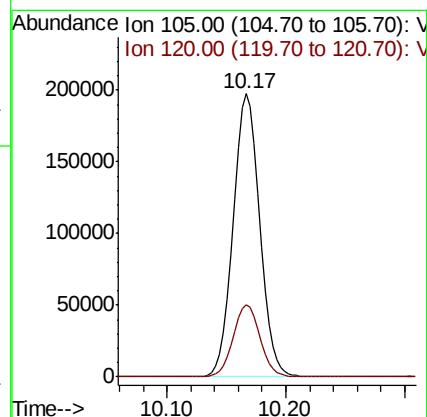
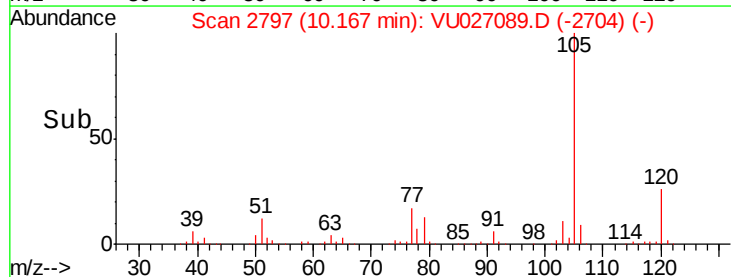
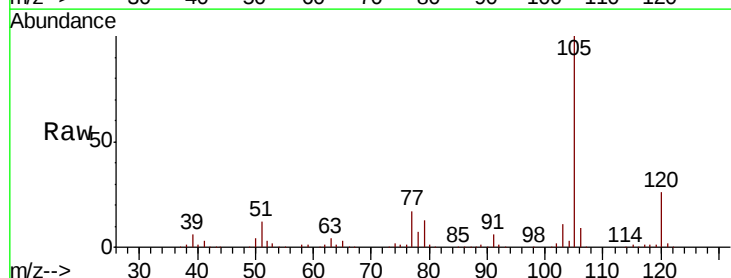
Acq: 23 Sep 2018 21:52

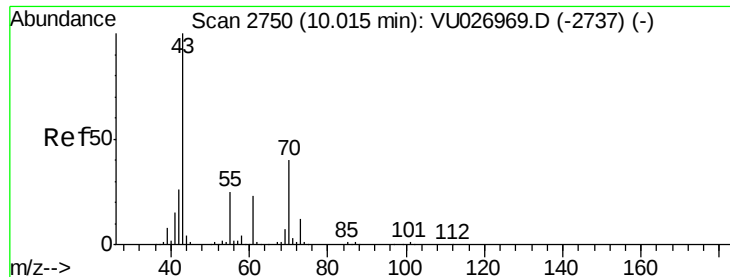
Tgt Ion:105 Resp: 304622

Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4





#74

N-amvl acetate

Concen: 40.295 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

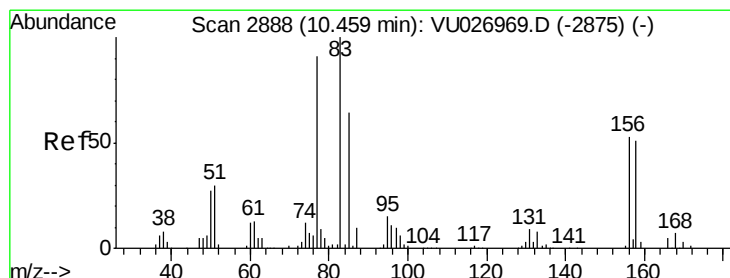
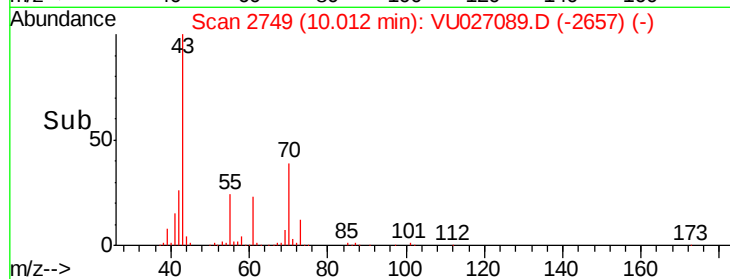
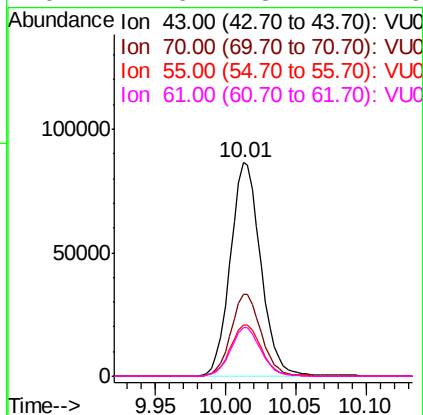
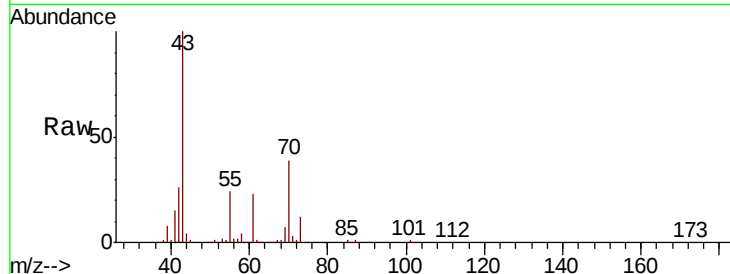
ClientSampleId :

SA-SW204-20180914MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
70	38.3	31.8	47.8		
55	24.6	19.9	29.9		
61	22.6	18.4	27.6		

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#75

1,1,2,2-Tetrachloroethane

Concen: 47.680 ug/l

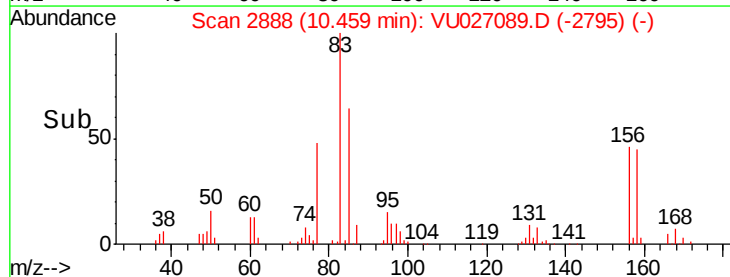
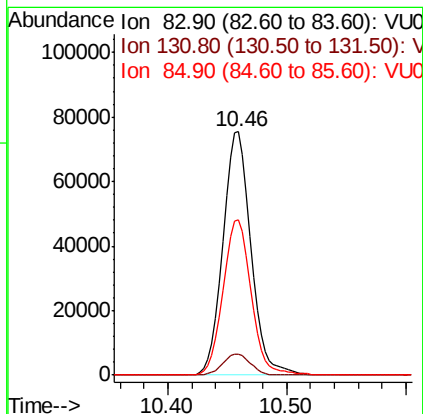
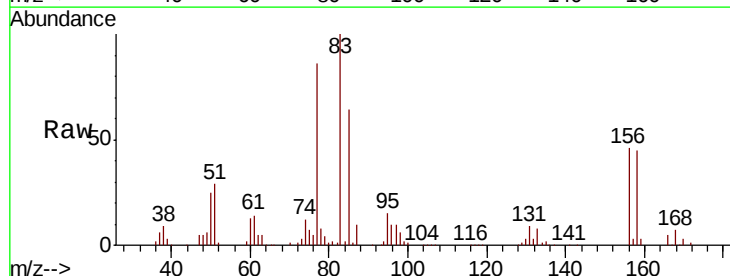
RT: 10.46 min Scan# 2888

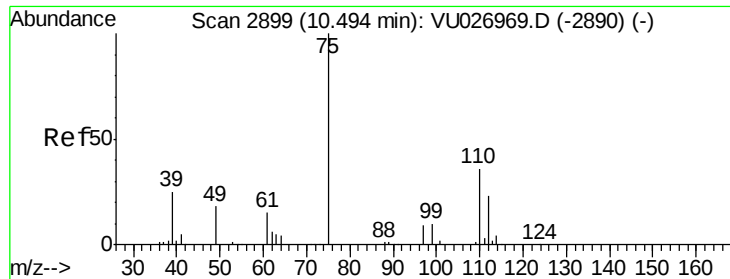
Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100				
131	8.5	4.3	12.8		
85	64.3	31.9	95.7		





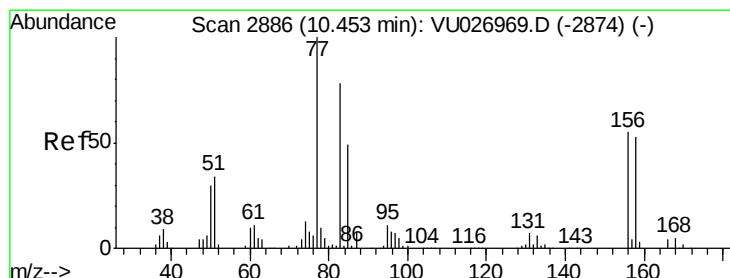
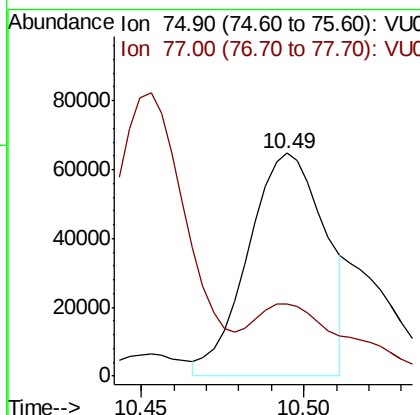
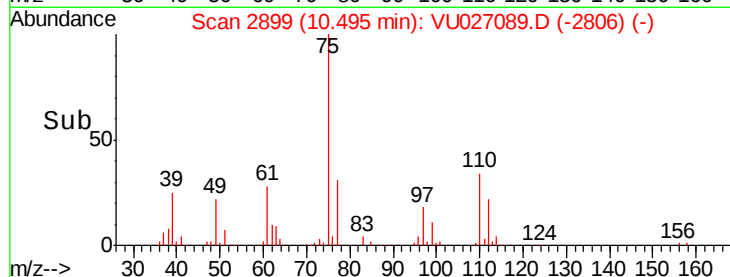
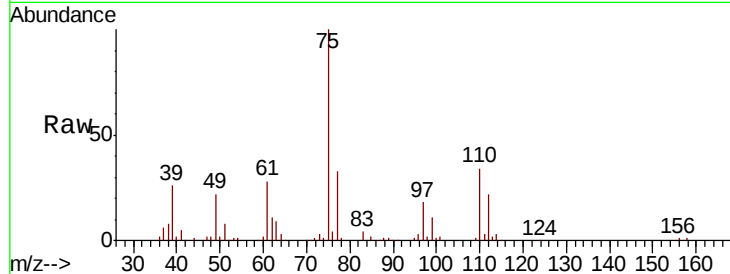
#76
1,2,3-Trichloropropane
Concen: 47.249 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion: 75 Resp: 106032
Ion Ratio Lower Upper
75 100
77 42.3 20.9 62.8

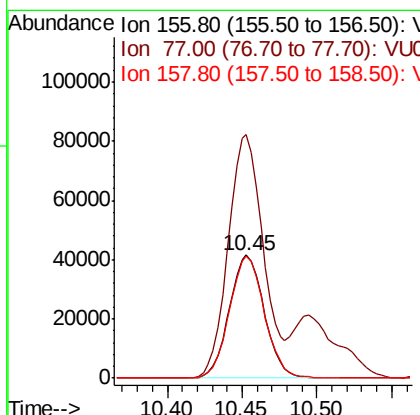
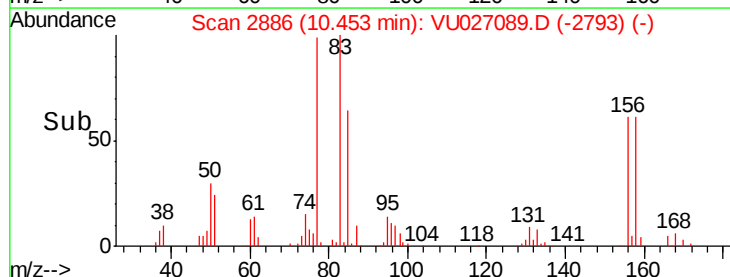
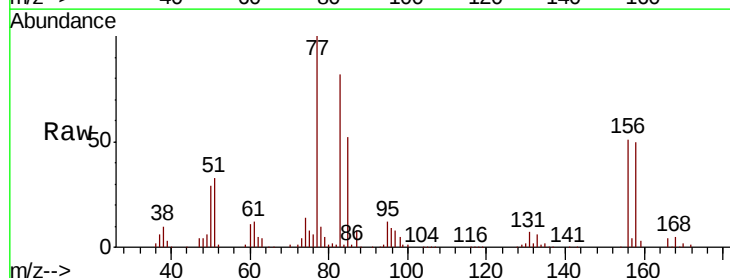
Manual Integrations
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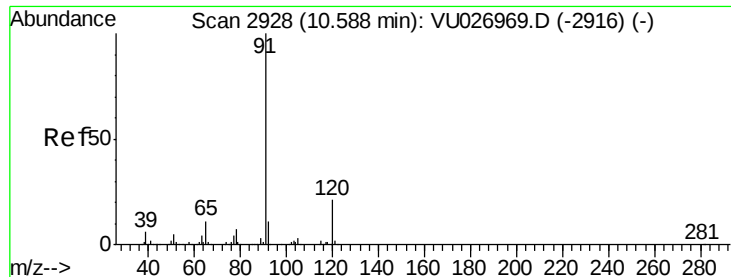
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#77
Bromobenzene
Concen: 49.202 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion: 156 Resp: 67560
Ion Ratio Lower Upper
156 100
77 199.3 92.3 276.9
158 98.9 48.1 144.3





#78

n-propylbenzene

Concen: 54.892 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 91 Resp: 364958

Ion Ratio Lower Upper

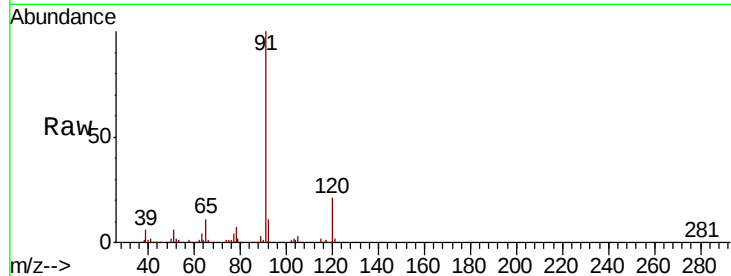
91 100

120 20.8 10.6 31.8

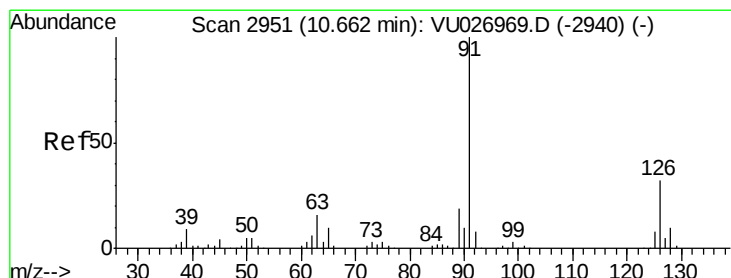
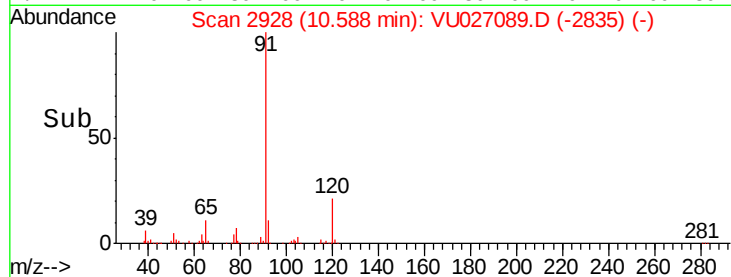
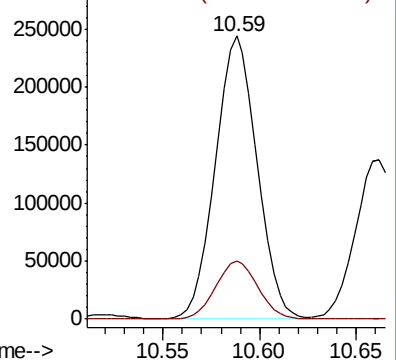
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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2916) (-)



#79

2-Chlorotoluene

Concen: 51.953 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027089.D

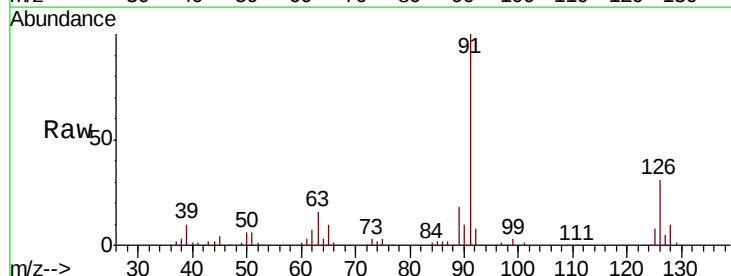
Acq: 23 Sep 2018 21:52

Tgt Ion: 91 Resp: 216966

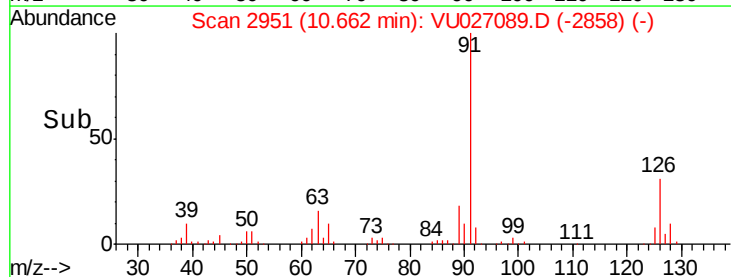
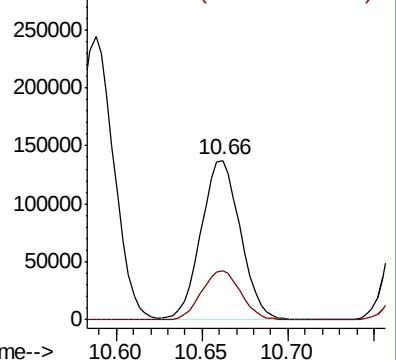
Ion Ratio Lower Upper

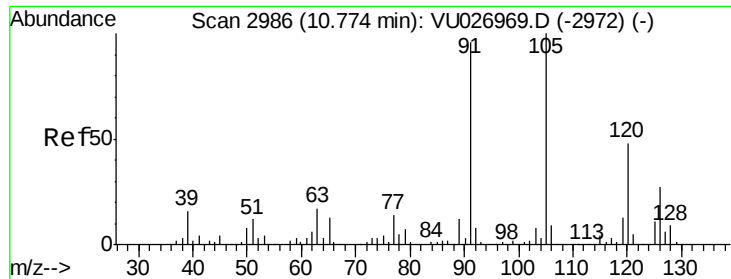
91 100

126 31.2 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)





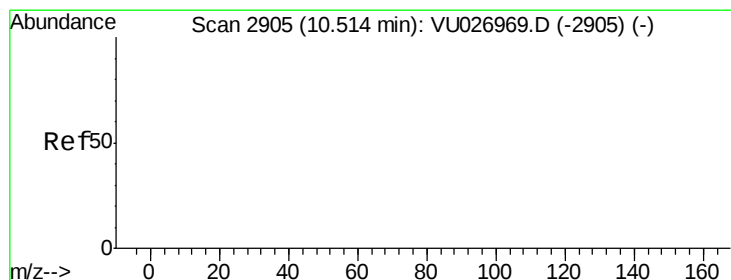
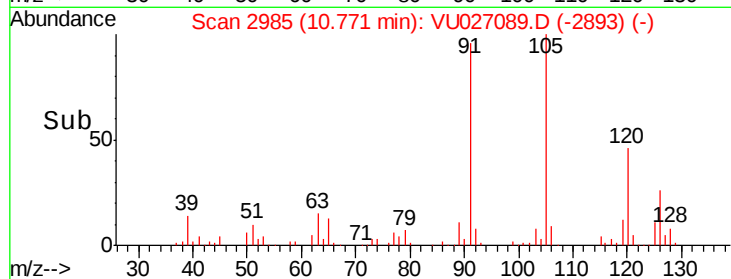
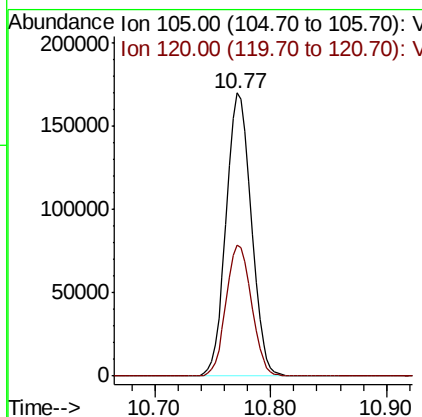
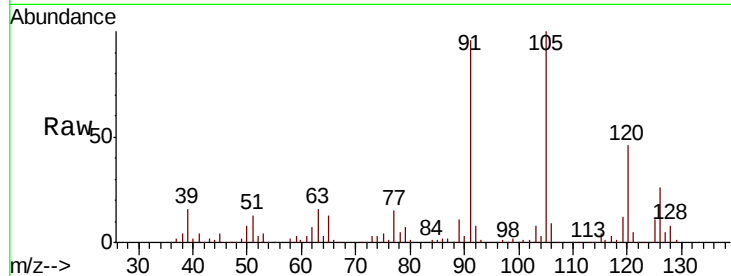
#80
 1,3,5-Trimethylbenzene
 Concen: 54.714 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Tot Ion:105 Resp: 253784
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.9 71.7

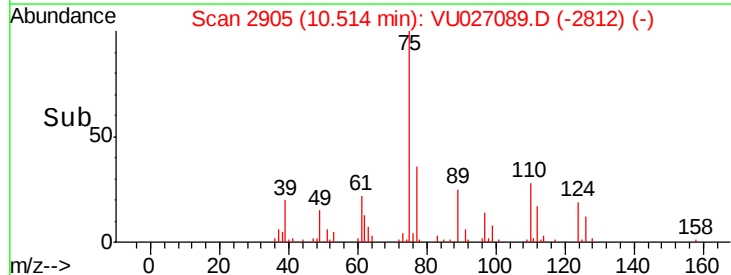
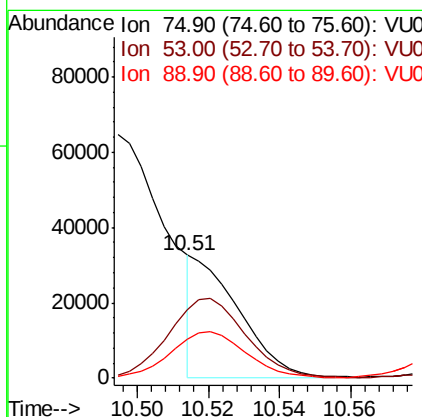
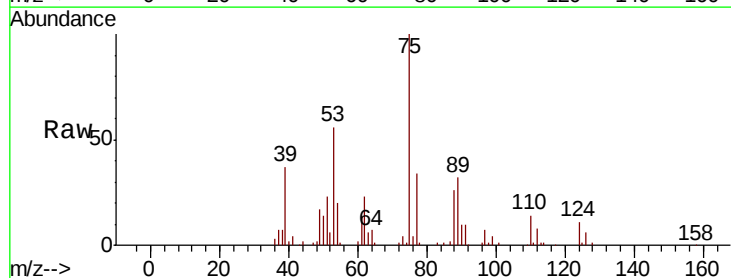
Manual Integrations
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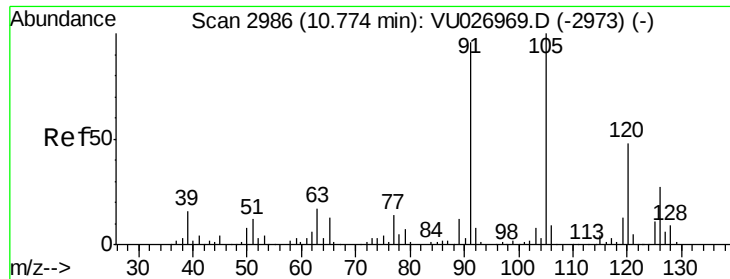
MMDadoda
 9/24/2018 4:40:39 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.076 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Tgt Ion: 75 Resp: 28804
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 53.222 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

SA-SW204-20180914MS

Tot Ion: 91 Resp: 249225

Ion Ratio Lower Upper

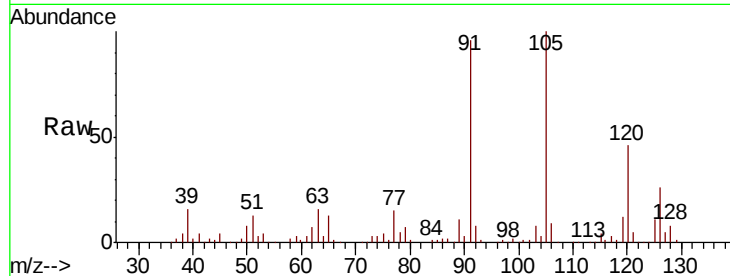
91 100

126 27.2 14.1 42.2

Manual Integrations
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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

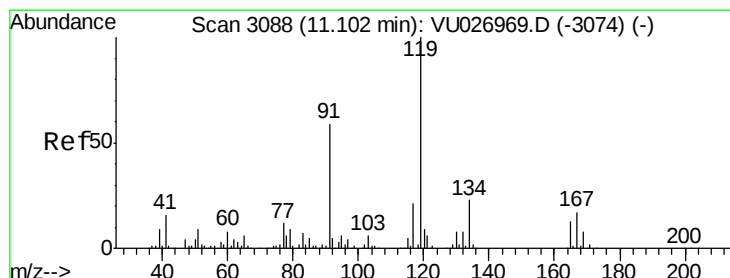
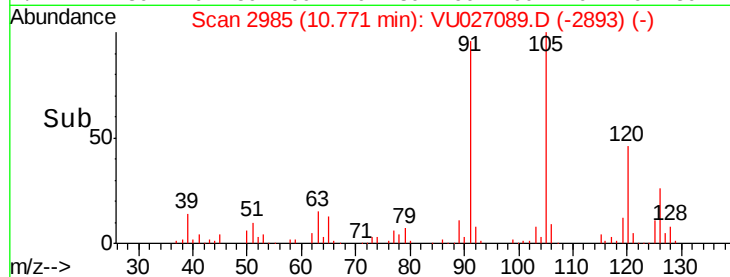
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 52.790 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

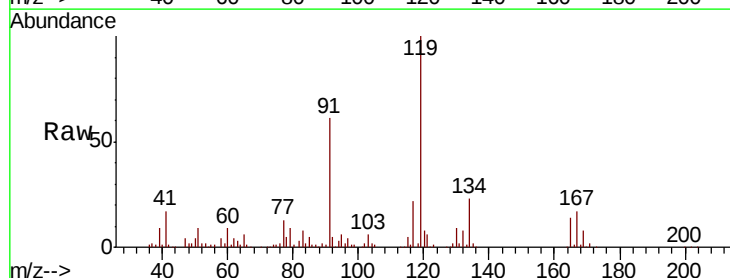
Tgt Ion: 119 Resp: 242083

Ion Ratio Lower Upper

119 100

91 61.3 29.8 89.4

134 23.0 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

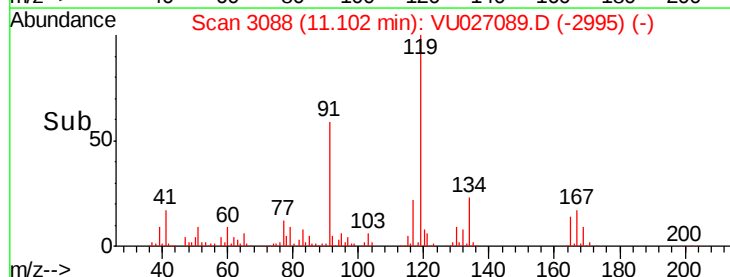
150000

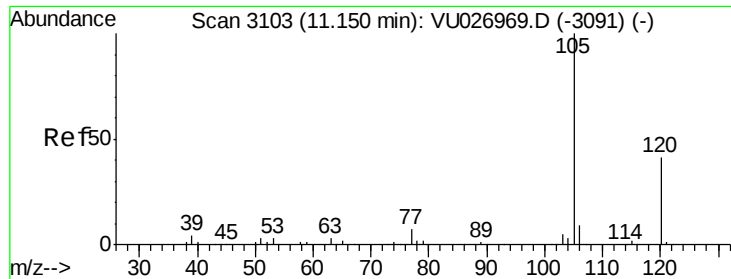
100000

50000

0

Time-->





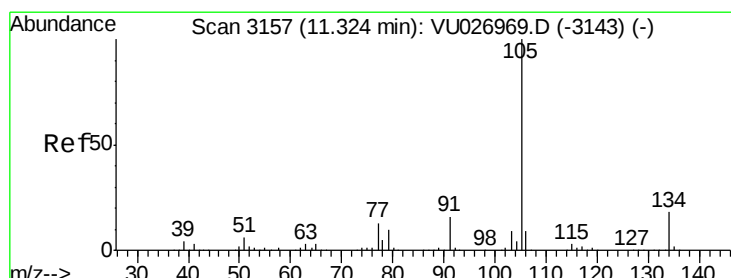
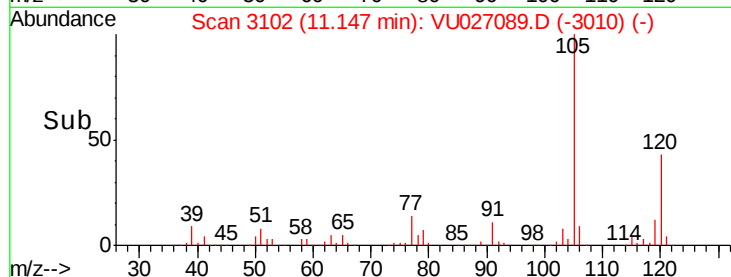
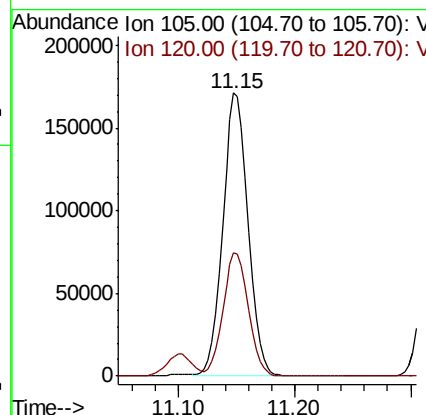
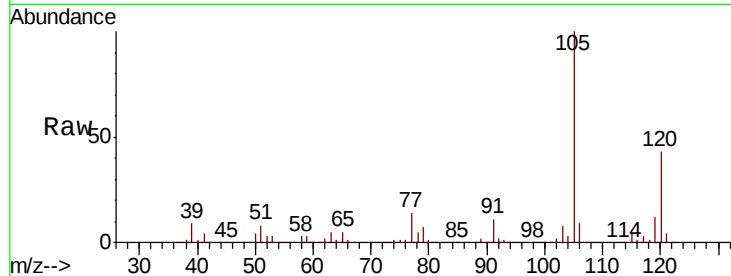
#84
1,2,4-Trimethylbenzene
Concen: 54.919 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.2

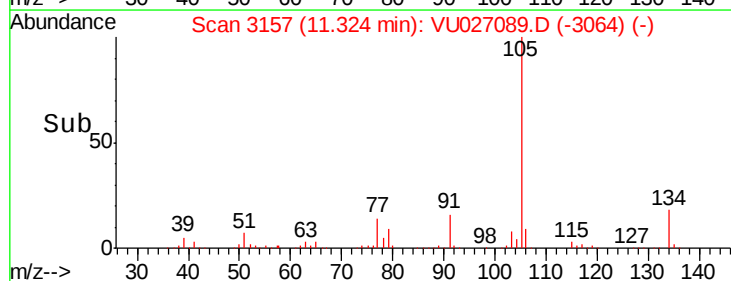
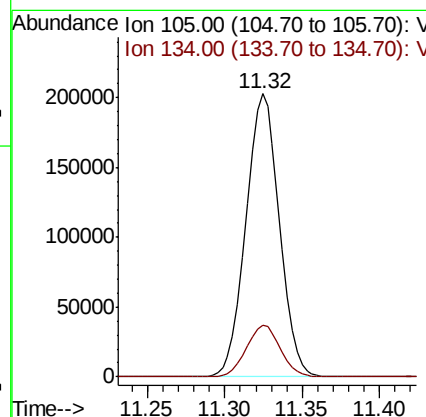
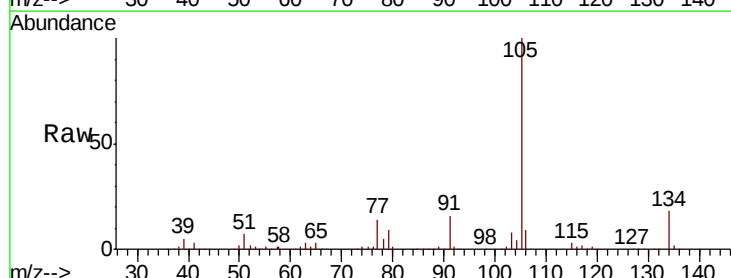
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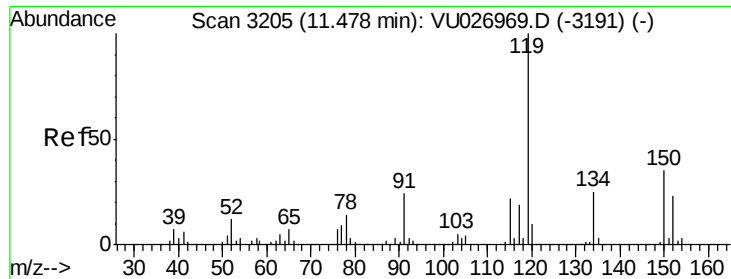
MMDadoda
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#85
sec-Butylbenzene
Concen: 54.469 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.4	28.2





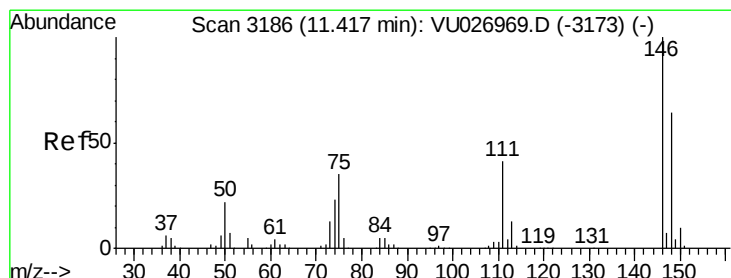
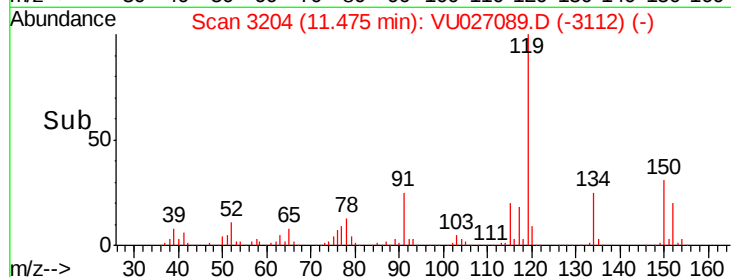
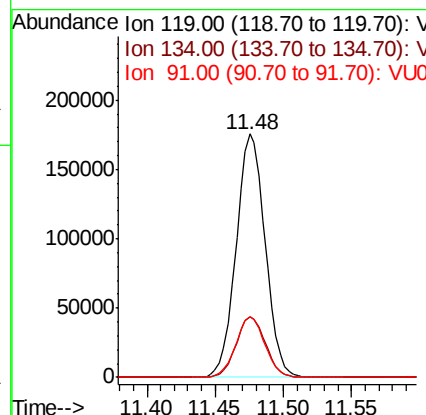
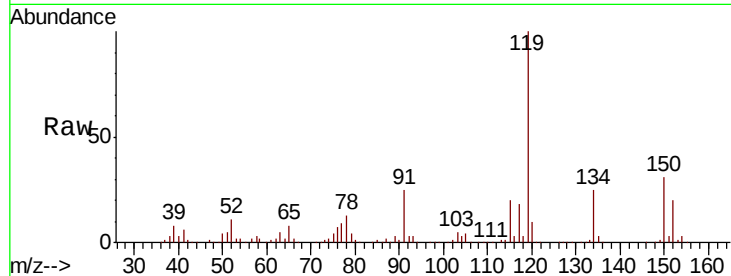
#86
p-Isopropyltoluene
Concen: 49.170 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258194		
134	25.1	12.8	38.3	
91	25.0	12.3	36.8	

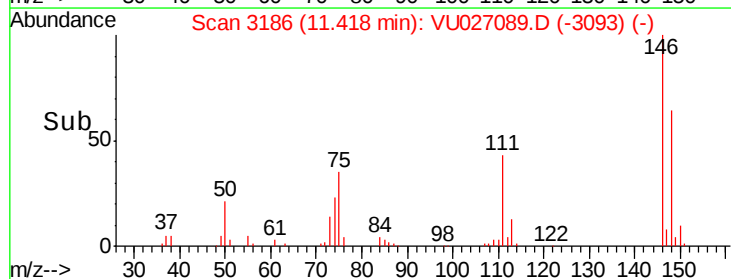
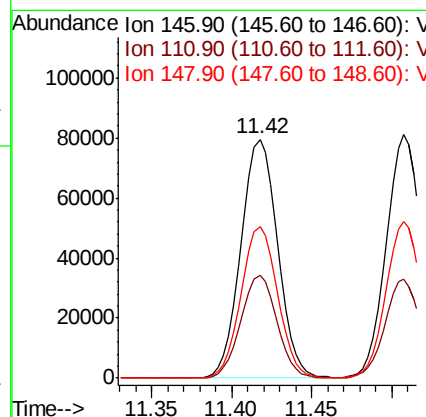
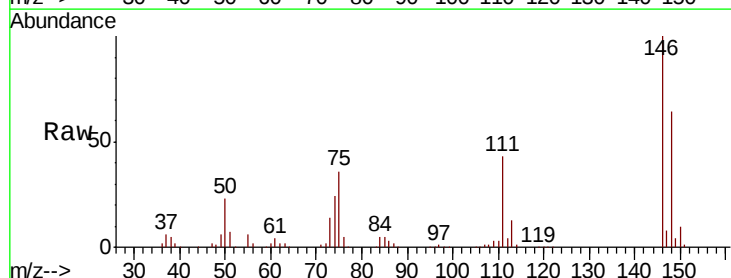
Manual Integrations
APPROVED

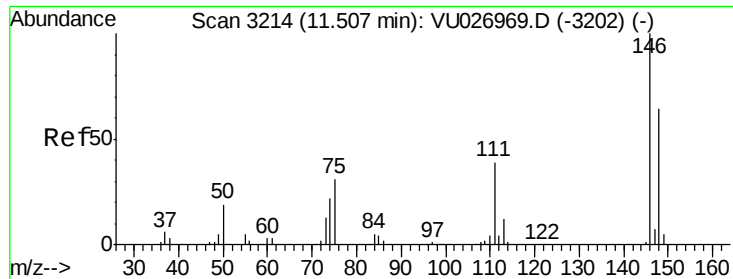
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9/24/2018 4:40:39 PM



#87
1,3-Dichlorobenzene
Concen: 48.637 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124277		
111	42.3	20.8	62.2	
148	63.1	32.0	96.2	





#88

1,4-Dichlorobenzene

Concen: 45.390 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

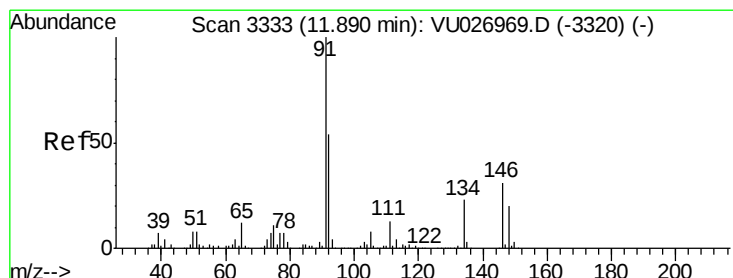
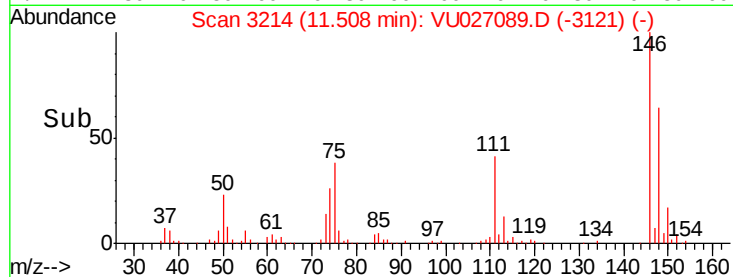
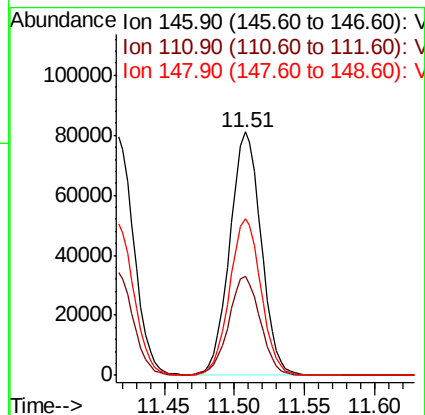
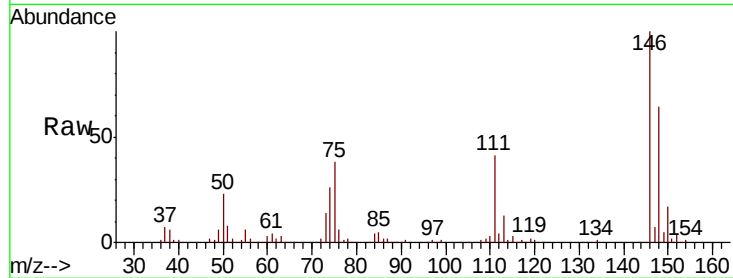
ClientSampleId :

SA-SW204-20180914MS

Tot Ion:	146	Resp:	126407
Ion Ratio		Lower	Upper
146	100		
111	41.1	20.3	60.9
148	64.6	31.9	95.9

Manual Integrations
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#89

n-Butylbenzene

Concen: 45.594 ug/l

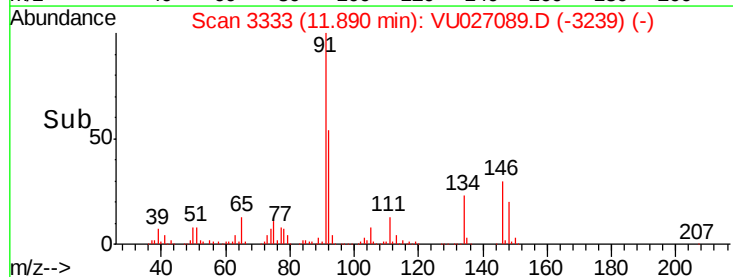
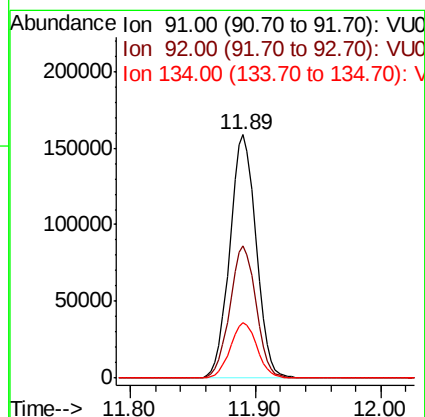
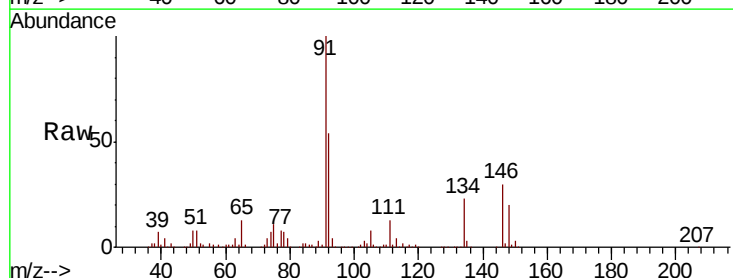
RT: 11.89 min Scan# 3333

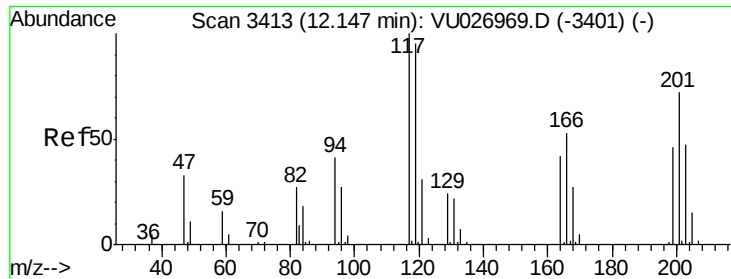
Delta R.T. 0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Tgt Ion:	91	Resp:	231032
Ion Ratio		Lower	Upper
91	100		
92	54.2	27.1	81.2
134	23.0	11.7	35.0





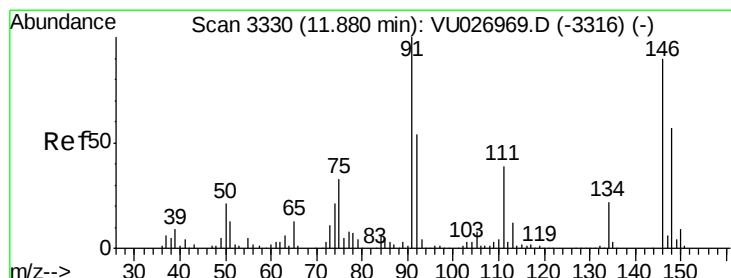
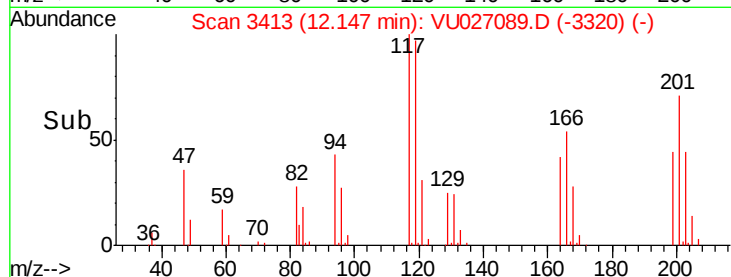
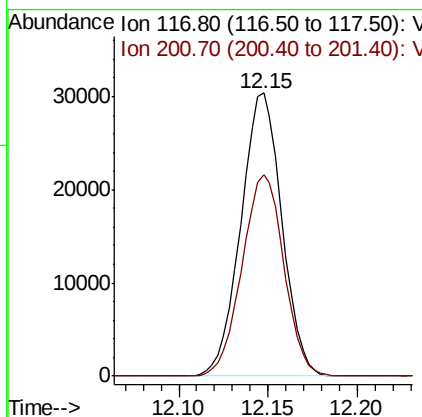
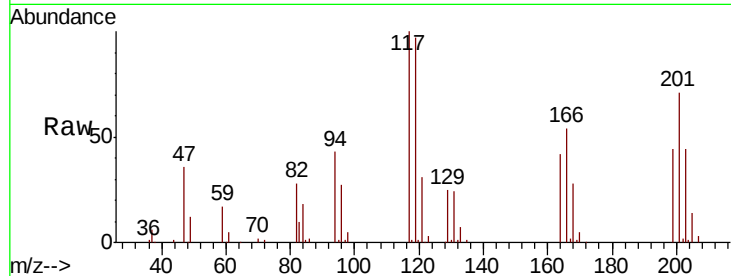
#90
Hexachloroethane
Concen: 47.864 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
SA-SW204-20180914MS

Tot Ion:117 Resp: 48723
Ion Ratio Lower Upper
117 100
201 72.6 36.8 110.3

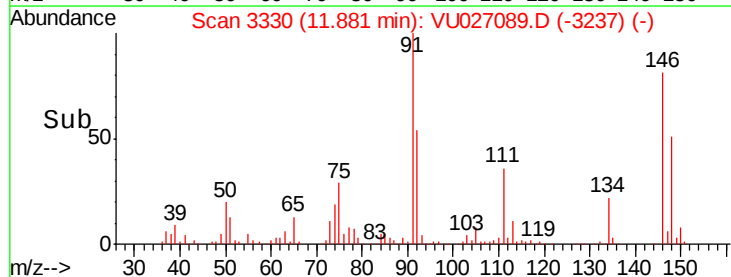
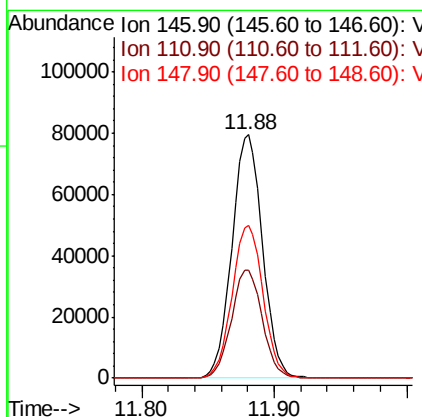
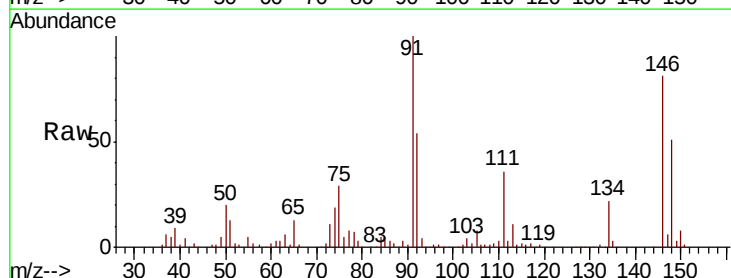
Manual Integrations
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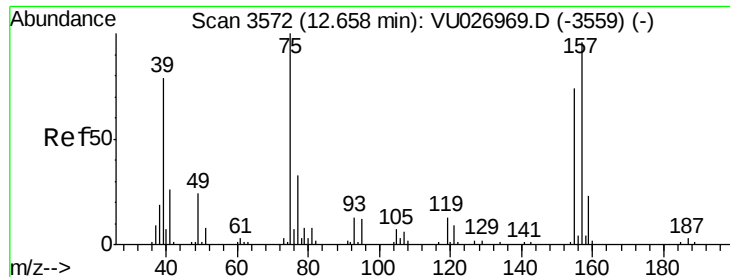
MMDadoda
9/24/2018 4:40:39 PM



#91
1,2-Dichlorobenzene
Concen: 46.876 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027089.D
Acq: 23 Sep 2018 21:52

Tgt Ion:146 Resp: 127235
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.3
148 63.5 31.9 95.7





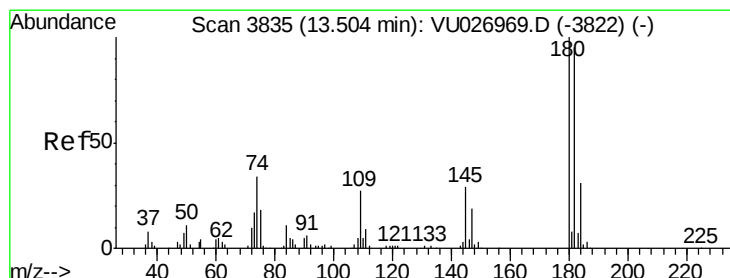
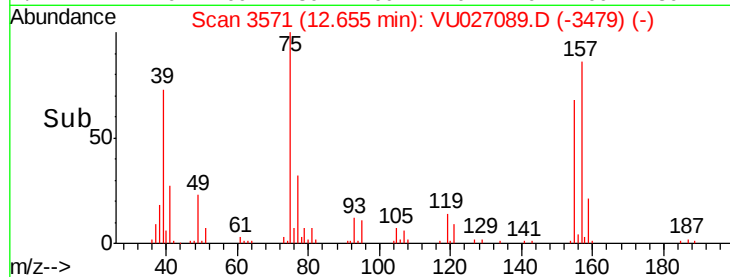
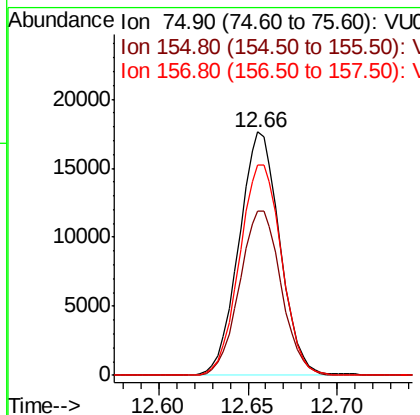
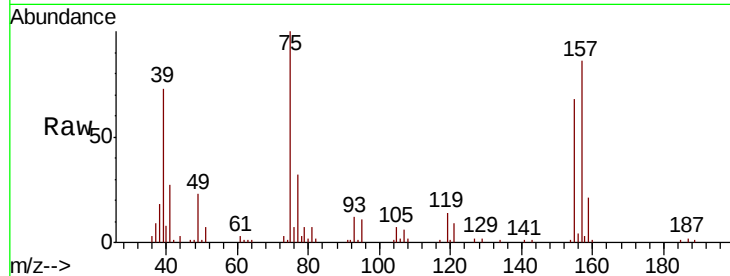
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.184 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	68.9	36.6	109.8
157	89.1	47.4	142.2

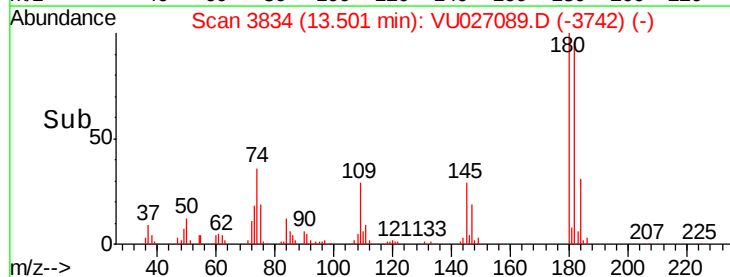
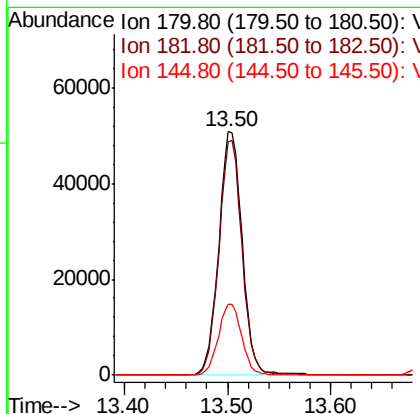
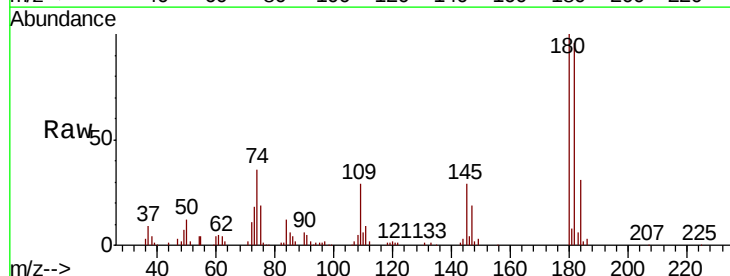
Manual Integrations
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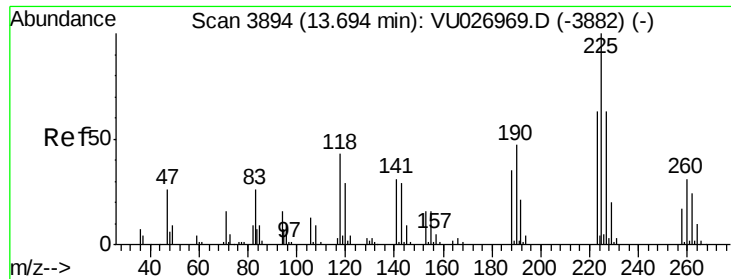
MMDadoda
 9/24/2018 4:40:39 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.217 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	29.2	14.9	44.5





#94

Hexachlorobutadiene

Concen: 46.216 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027089.D

Acq: 23 Sep 2018 21:52

Instrument :

MSVOA_U

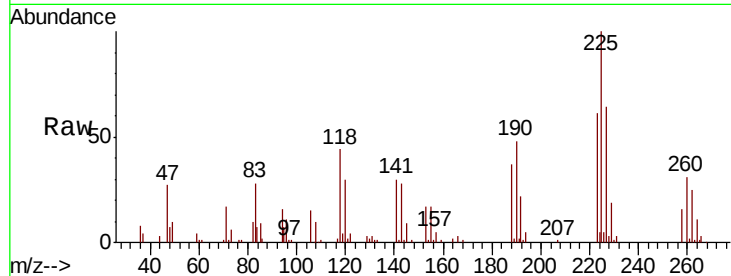
ClientSampleId :

SA-SW204-20180914MS

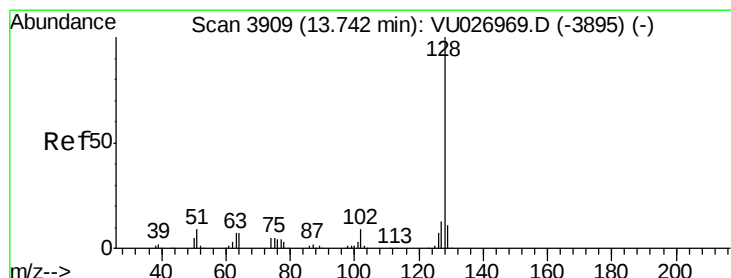
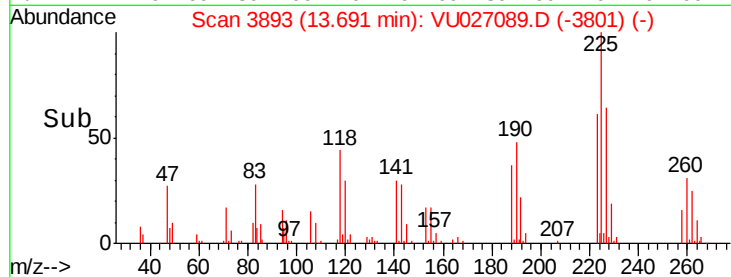
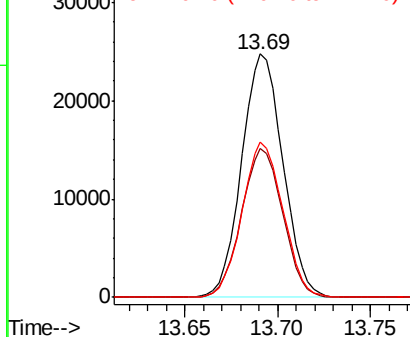
Tot Ion:	225	Resp:	38249
Ion Ratio	Lower	Upper	
225	100		
223	60.9	31.9	95.7
227	63.1	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
9/24/2018 4:40:39 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 48.915 ug/l

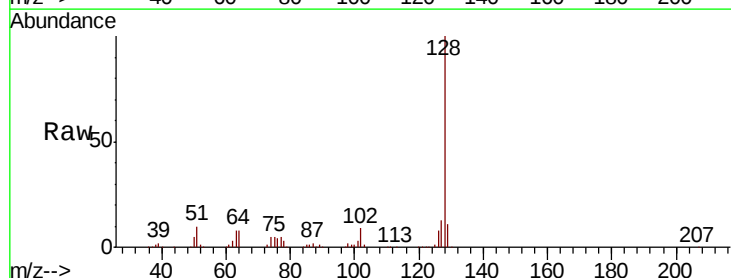
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

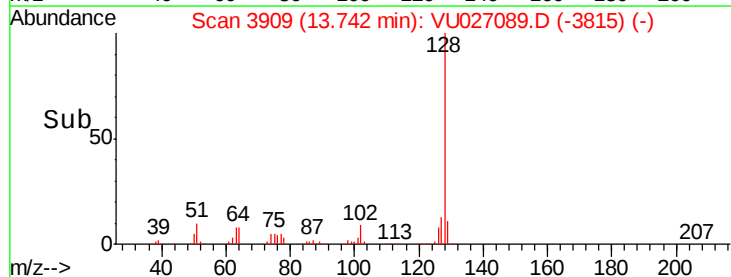
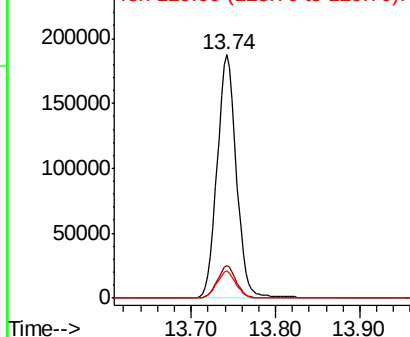
Lab File: VU027089.D

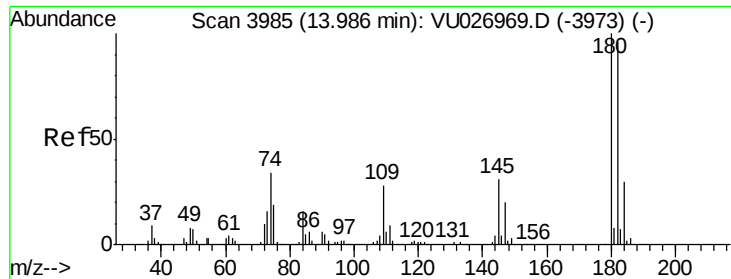
Acq: 23 Sep 2018 21:52

Tgt Ion:	128	Resp:	298909
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	12.8



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





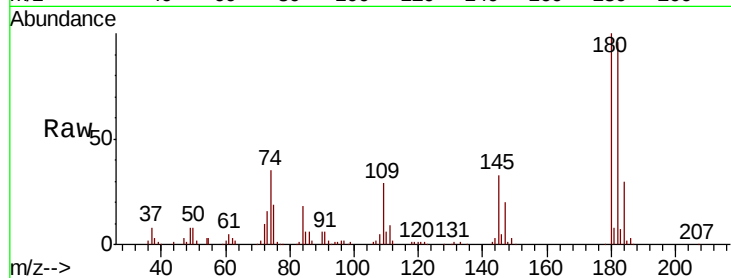
#96
 1,2,3-Trichlorobenzene
 Concen: 51.037 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027089.D
 Acq: 23 Sep 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.5	142.5
145	32.0	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:39 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

