

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026976.D
 Acq On : 21 Sep 2018 18:55
 Operator : MD/SY
 Sample : J4916-18MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 01:51:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	72942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	131440	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	123405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	64745	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	83124	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
35) Dibromofluoromethane	4.88	113	60577	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	7.57	98	205307	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	10.31	95	73778	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	49393	51.864	ug/l	100
3) Chloromethane	1.33	50	90743	55.265	ug/l	100
4) Vinyl Chloride	1.40	62	84813	55.336	ug/l	100
5) Bromomethane	1.61	94	43516	49.857	ug/l	98
6) Chloroethane	1.69	64	53334	54.461	ug/l	99
7) Trichlorofluoromethane	1.88	101	87962	50.530	ug/l	99
8) Diethyl Ether	2.10	74	51356	61.292	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	46576	43.515	ug/l	100
10) Methyl Iodide	2.41	142	75477	56.857	ug/l	99
11) Tert butyl alcohol	2.83	59	120616	358.449	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53521	53.126	ug/l	98
13) Acrolein	2.20	56	50404	277.872	ug/l	99
14) Allyl chloride	2.59	41	112469	55.042	ug/l	99
15) Acrylonitrile	2.94	53	280190	330.376	ug/l	100
16) Acetone	2.32	43	265138	346.391	ug/l	100
17) Carbon Disulfide	2.48	76	152971	46.611	ug/l	99
18) Methyl Acetate	2.62	43	106850	51.135	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	246249	66.516	ug/l	99
20) Methylene Chloride	2.70	84	74803	56.894	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	58633	54.511	ug/l	98
22) Diisopropyl ether	3.58	45	287835	65.859	ug/l	95
23) Vinyl Acetate	3.53	43	822143	220.680	ug/l	100
24) 1,1-Dichloroethane	3.45	63	146152	60.717	ug/l	100
25) 2-Butanone	4.26	43	396424	321.315	ug/l	99
26) 2,2-Dichloropropane	4.23	77	48967	26.085	ug/l	93
27) cis-1,2-Dichloroethene	4.22	96	72701	59.850	ug/l	95
28) Bromochloromethane	4.55	49	67379	58.069	ug/l	100
29) Tetrahydrofuran	4.64	42	255228	341.973	ug/l	100
30) Chloroform	4.67	83	129879	58.128	ug/l	97
31) Cyclohexane	5.00	56	93450	42.624	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	99985	56.047	ug/l	98
36) 1,1-Dichloropropene	5.14	75	81525	46.474	ug/l	99
37) Ethyl Acetate	4.38	43	102206	43.039	ug/l	98
38) Carbon Tetrachloride	5.14	117	78213	46.852	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	74444	39.051	ug/l	97
40) Benzene	5.39	78	283573	53.176	ug/l	100
41) Methacrylonitrile	4.54	41	81026	65.698	ug/l	98
42) 1,2-Dichloroethane	5.40	62	114659	56.908	ug/l	100
43) Isopropyl Acetate	5.55	43	181568	52.427	ug/l	99
44) Trichloroethene	6.19	130	56849	50.074	ug/l	99
45) 1,2-Dichloropropane	6.43	63	86971	57.237	ug/l	98
46) Dibromomethane	6.56	93	51573	56.198	ug/l	99
47) Bromodichloromethane	6.76	83	102334	55.148	ug/l	100
48) Methyl methacrylate	6.62	41	110133	58.256	ug/l	99
49) 1,4-Dioxane	6.62	88	47513	1269.673	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	753376	323.440	ug/l	99
52) Toluene	7.64	92	160230	52.418	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	105326	52.829	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	109499	49.951	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	75445	58.249	ug/l	99
56) Ethyl methacrylate	8.02	69	127248	56.331	ug/l	98
57) 1,3-Dichloropropane	8.24	76	139769	58.019	ug/l	99
59) 2-Hexanone	8.36	43	582166	319.293	ug/l	98
60) Dibromochloromethane	8.48	129	73394	57.769	ug/l	98
61) 1,2-Dibromoethane	8.59	107	77165	57.259	ug/l	100
64) Tetrachloroethene	8.23	164	41923	44.087	ug/l	99
65) Chlorobenzene	9.12	112	166640	50.928	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64887	57.574	ug/l	99
67) Ethyl Benzene	9.25	91	280385	52.110	ug/l	100
68) m/p-Xylenes	9.38	106	209863	96.364	ug/l	100
69) o-Xylene	9.78	106	105537	55.359	ug/l	100
70) Styrene	9.79	104	180405	50.657	ug/l	99
71) Bromoform	9.96	173	54416	62.437	ug/l #	99
73) Isopropylbenzene	10.17	105	265326	53.872	ug/l	99
74) N-amyl acetate	10.02	43	133165	46.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	135529	59.852	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	118600m	60.297	ug/l	
77) Bromobenzene	10.45	156	68917	57.262	ug/l	98
78) n-propylbenzene	10.59	91	306749	52.638	ug/l	100
79) 2-Chlorotoluene	10.66	91	197039	53.830	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	224482	55.216	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	30416m	49.486	ug/l	
82) 4-Chlorotoluene	10.77	91	224789	54.768	ug/l	100
83) tert-Butylbenzene	11.10	119	217578	54.132	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	233742	56.494	ug/l	99
85) sec-Butylbenzene	11.32	105	252527	51.468	ug/l	100
86) p-Isopropyltoluene	11.48	119	216346	47.047	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	118132	52.746	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	122012	49.986	ug/l	99
89) n-Butylbenzene	11.89	91	188507	42.609	ug/l	100
90) Hexachloroethane	12.15	117	42949	48.136	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	127444	53.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30426	65.864	ug/l	97
93) 1,2,4-Trichlorobenzene	13.50	180	78728	57.425	ug/l	99

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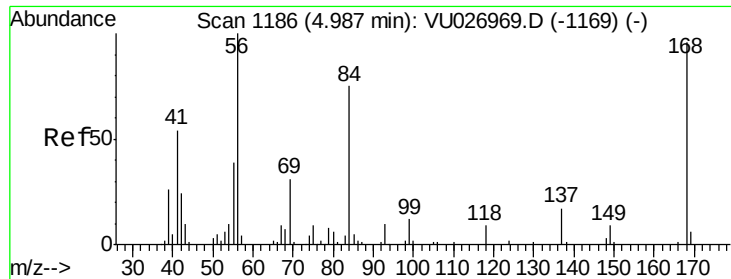
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	31196	43.005	ug/l	99
95) Naphthalene	13.74	128	328004	60.814	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	87987	59.847	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion:168 Resp: 72942

Ion Ratio Lower Upper

168 100

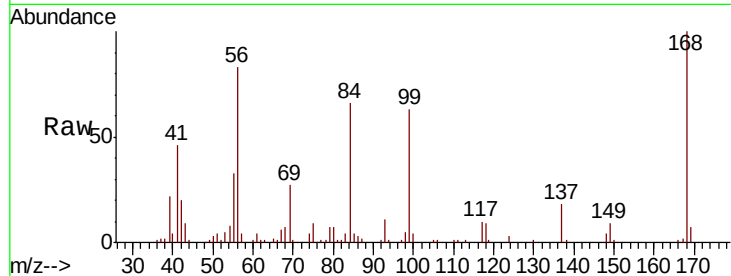
99 62.0 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): VU026976.D (-1093) (-)

Ion 98.90 (98.60 to 99.60): VU026976.D (-1093) (-)

4.98

30000

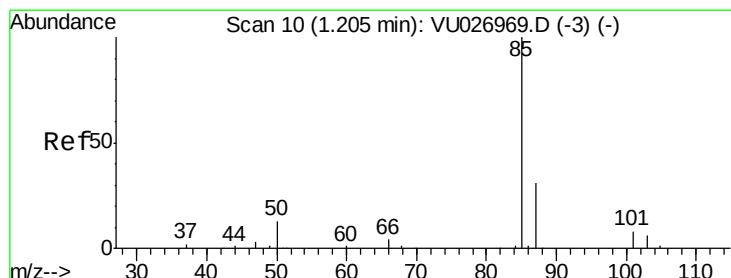
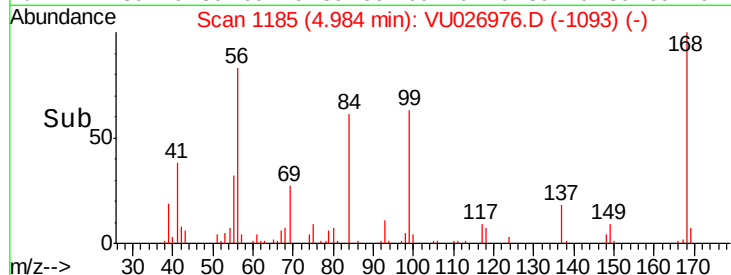
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.864 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026976.D

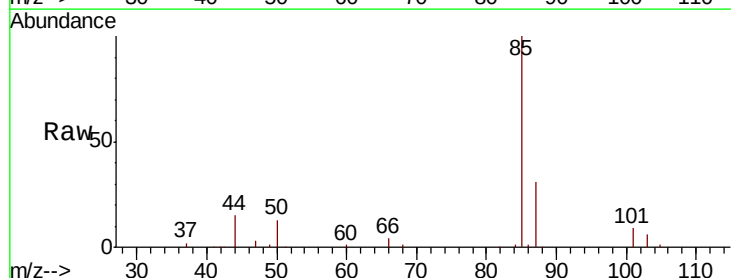
Acq: 21 Sep 2018 18:55

Tgt Ion: 85 Resp: 49393

Ion Ratio Lower Upper

85 100

87 31.3 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026976.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU026976.D (-1) (-)

1.21

50000

40000

30000

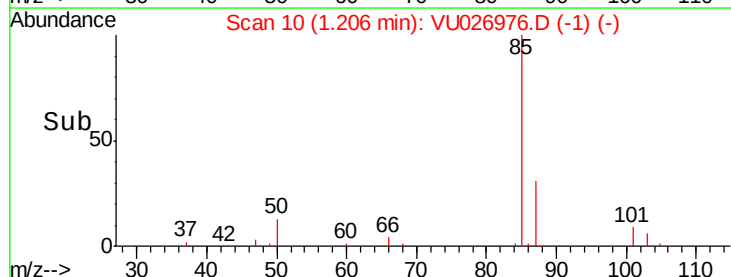
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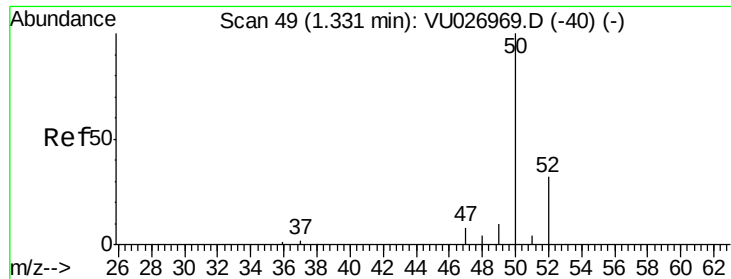
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 55.265 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

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ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 50 Resp: 90743

Ion Ratio Lower Upper

50 100

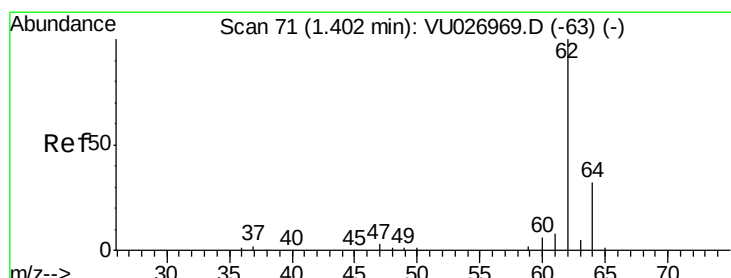
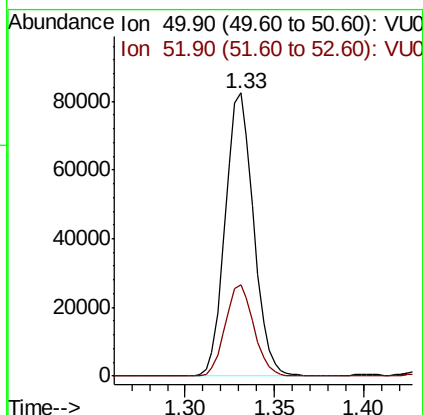
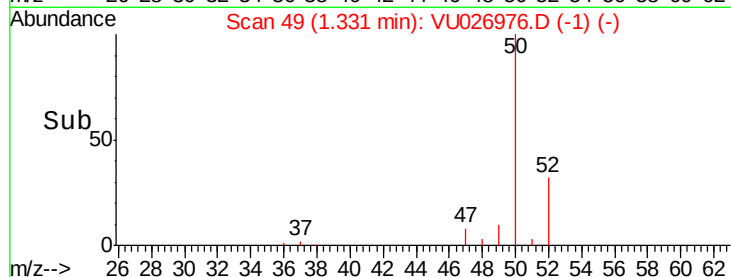
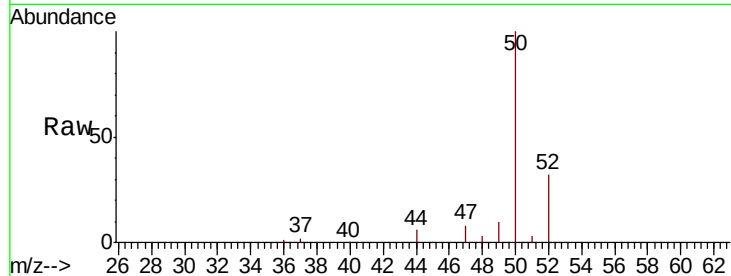
52 32.3 25.9 38.9

Manual Integrations

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9/24/2018 2:14:14 PM



#4

Vinyl Chloride

Concen: 55.336 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026976.D

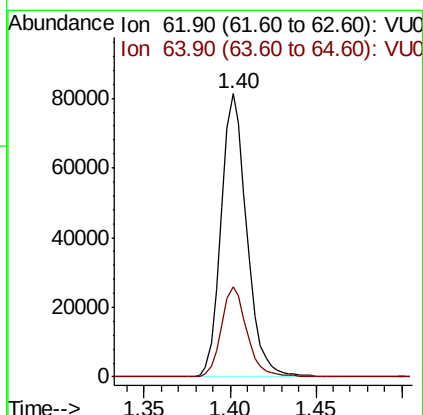
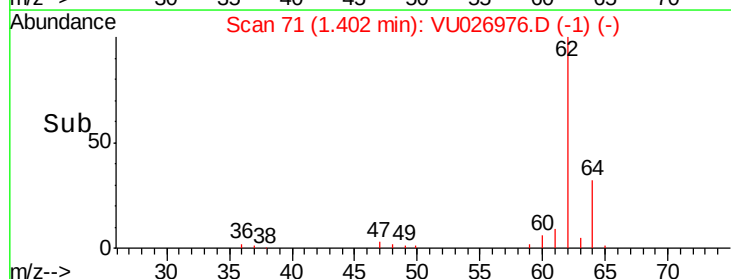
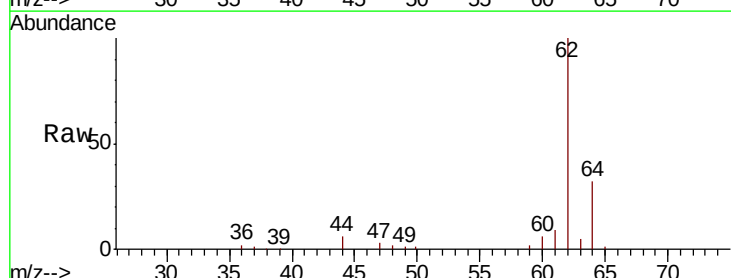
Acq: 21 Sep 2018 18:55

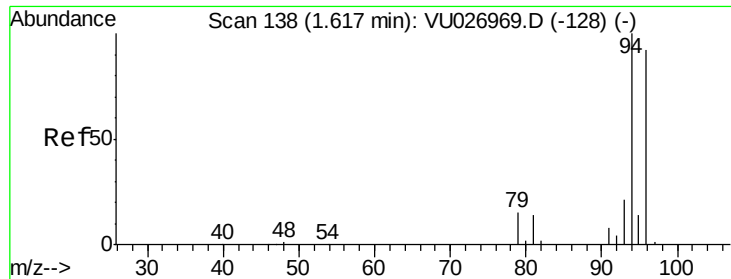
Tgt Ion: 62 Resp: 84813

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 49.857 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.01 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

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SA-PZ139I-20180911MSD

Tot Ion: 94 Resp: 43516

Ion Ratio Lower Upper

94 100

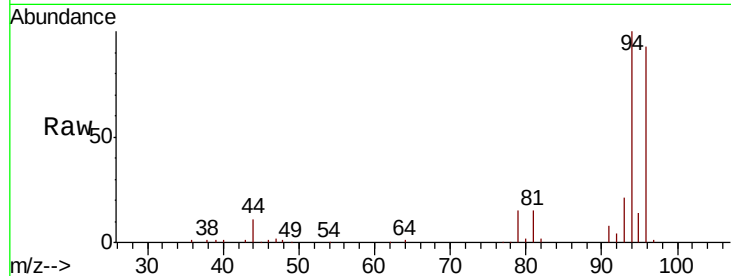
96 93.3 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

40000

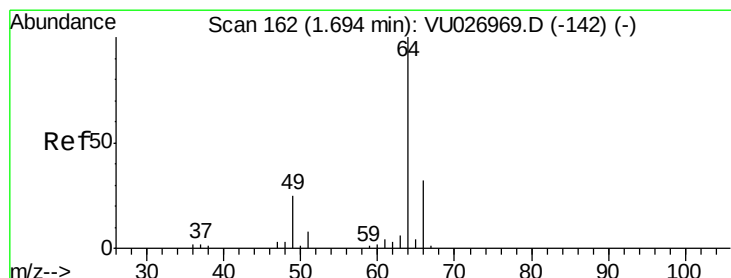
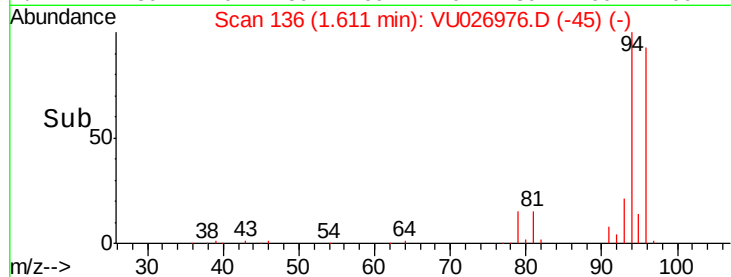
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 54.461 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU026976.D

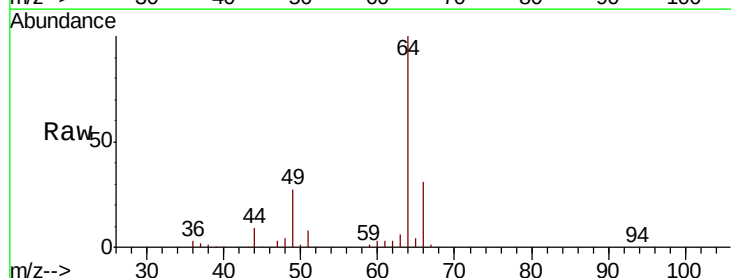
Acq: 21 Sep 2018 18:55

Tgt Ion: 64 Resp: 53334

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

40000

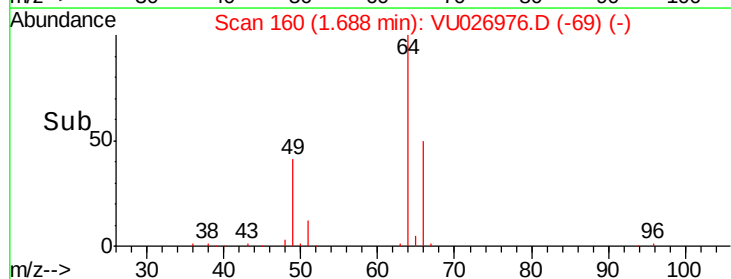
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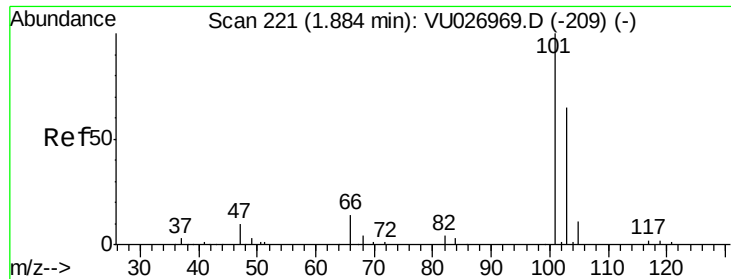
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10000

0

Time-->





#7

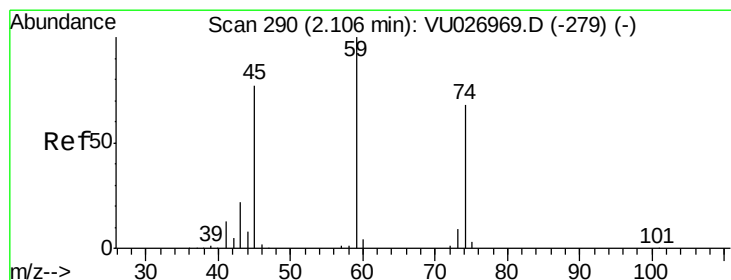
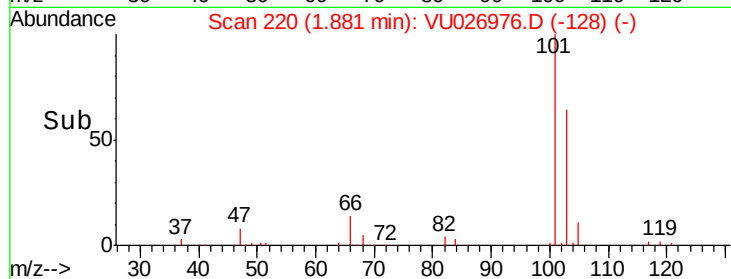
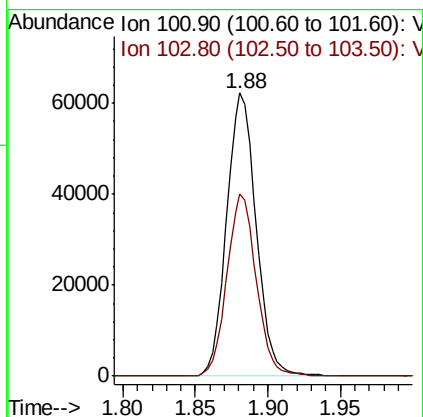
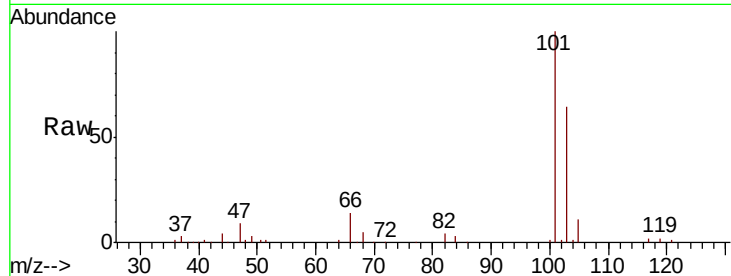
Trichlorofluoromethane
Concen: 50.530 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

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Tot Ion:101 Resp: 87962
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

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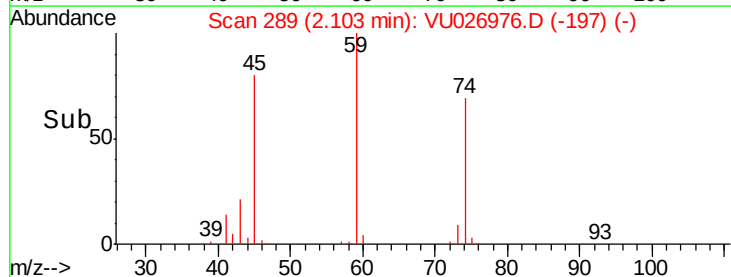
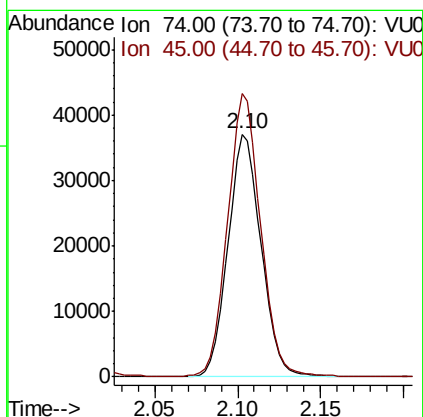
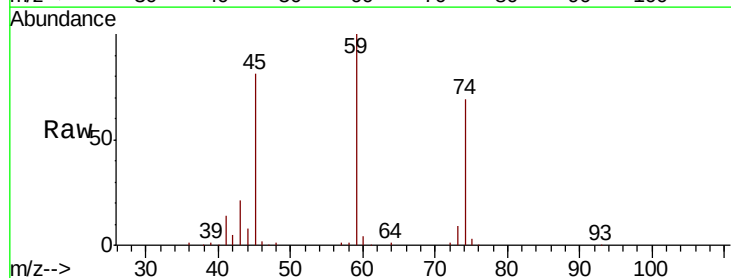
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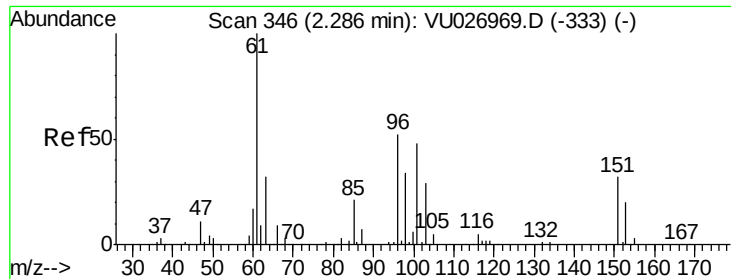


#8

Diethyl Ether
Concen: 61.292 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion: 74 Resp: 51356
Ion Ratio Lower Upper
74 100
45 115.9 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.515 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

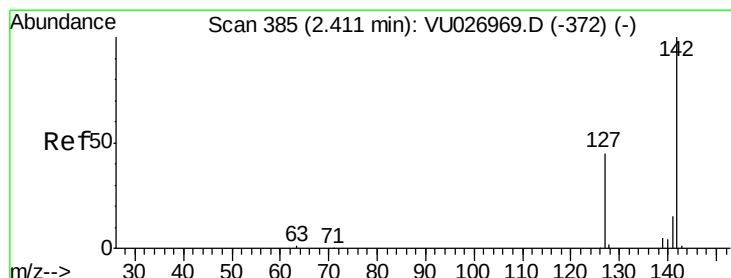
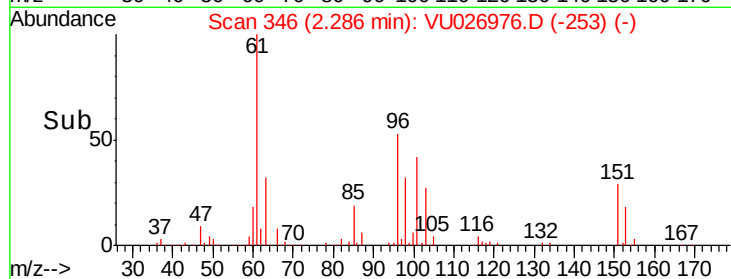
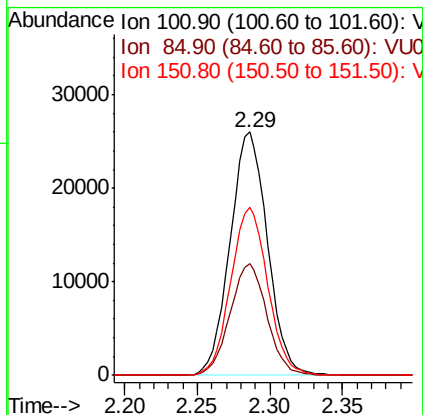
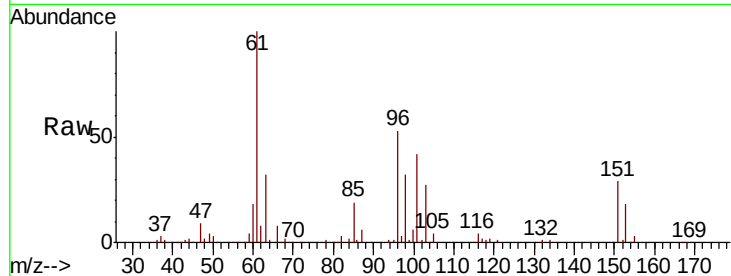
ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion:	101	Resp:	46576
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.2	54.2
151	68.5	54.5	81.7

Manual Integrations
APPROVED

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#10

Methyl Iodide

Concen: 56.857 ug/l

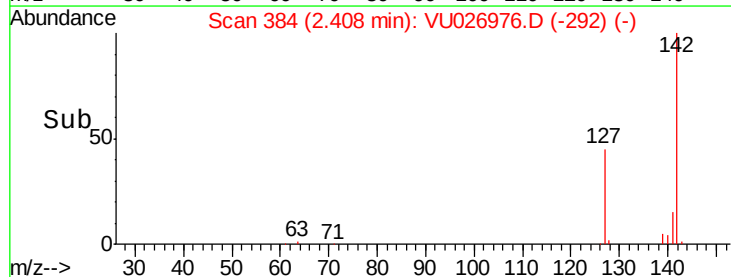
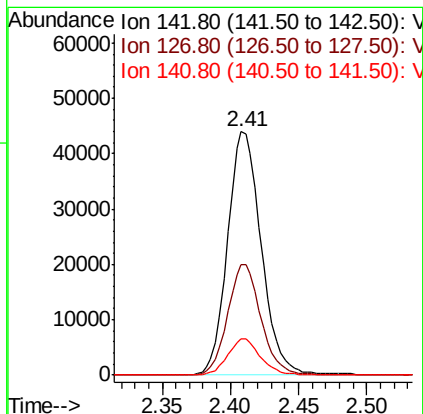
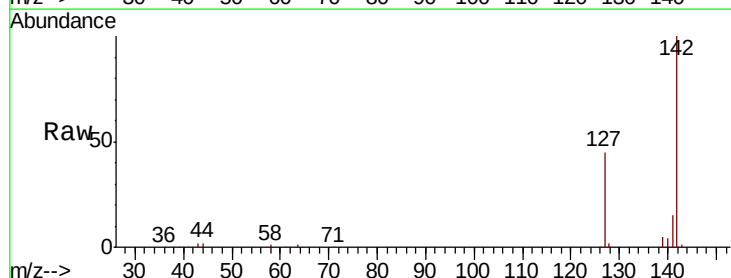
RT: 2.41 min Scan# 384

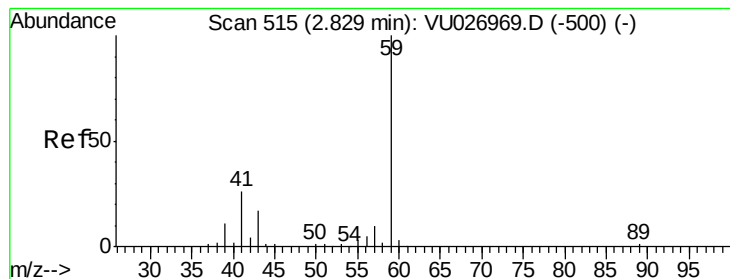
Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Tgt Ion:	142	Resp:	75477
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.7	55.1
141	14.4	11.8	17.6





#11

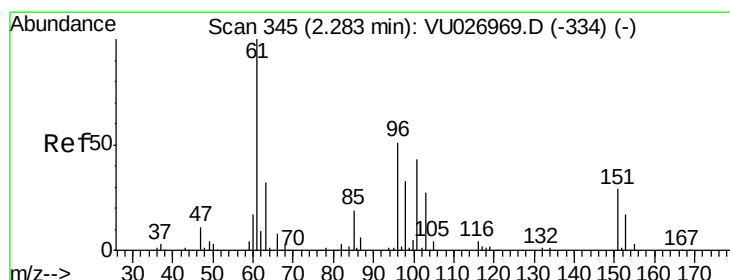
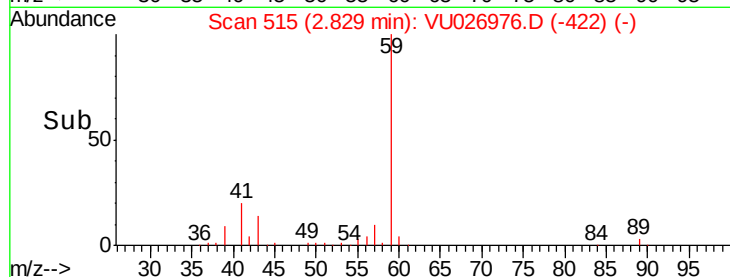
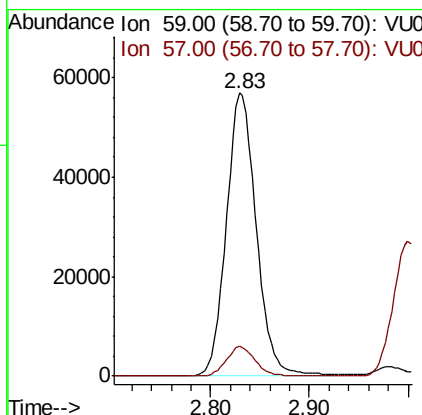
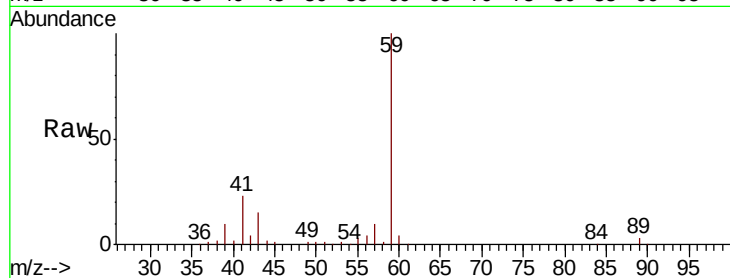
Tert butyl alcohol
Concen: 358.449 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	120616		
57	10.0		8.5	12.7

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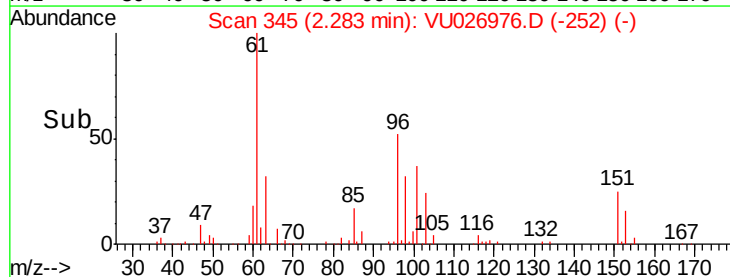
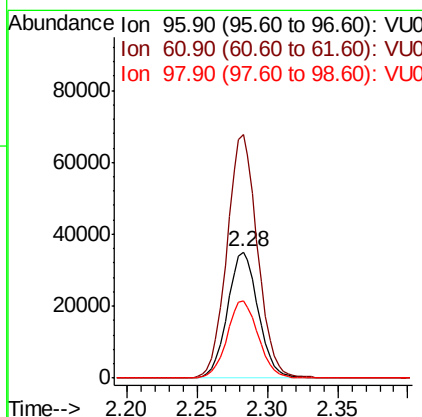
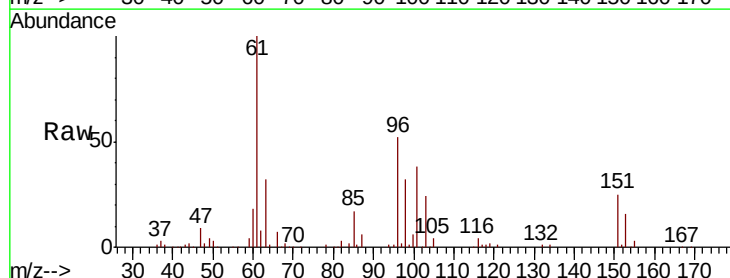
MMDadoda
9/24/2018 2:14:14 PM

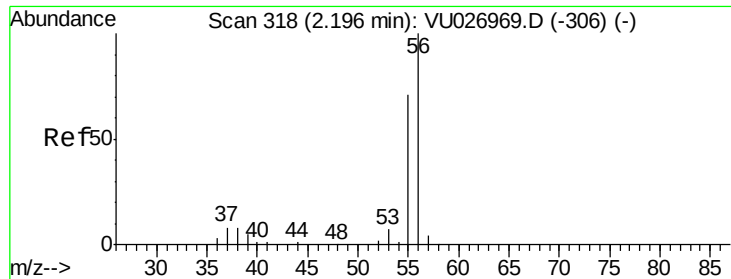


#12

1,1-Dichloroethene
Concen: 53.126 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53521		
61	192.6		156.1	234.1
98	61.1		51.4	77.0





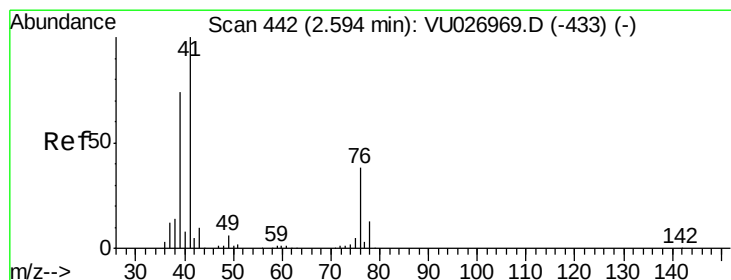
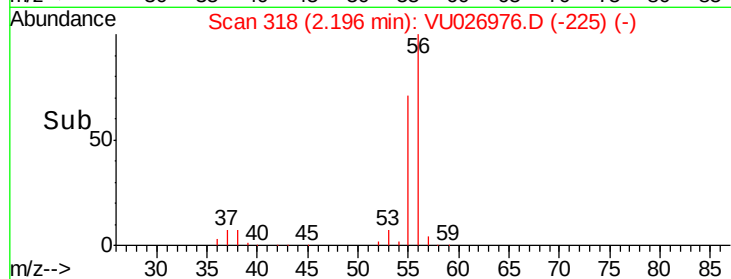
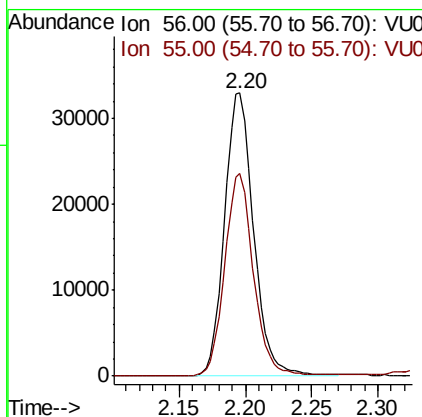
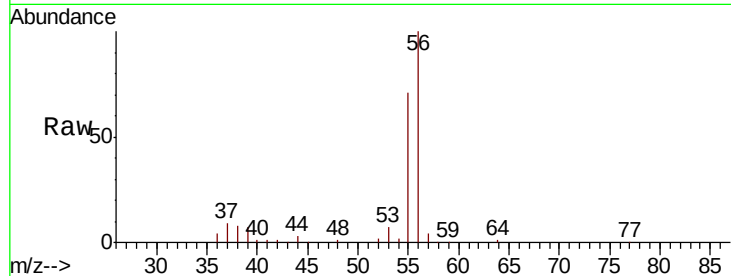
#13
 Acrolein
 Concen: 277.872 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	70.4		57.1	85.7	

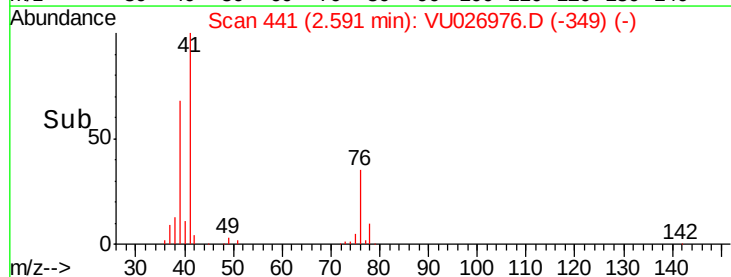
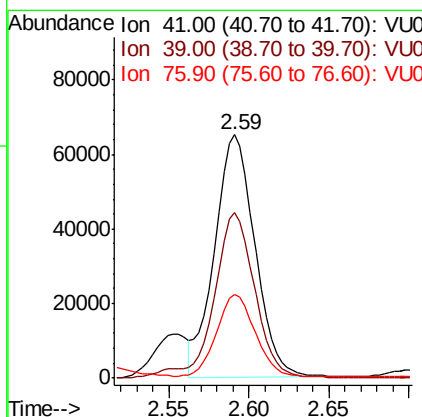
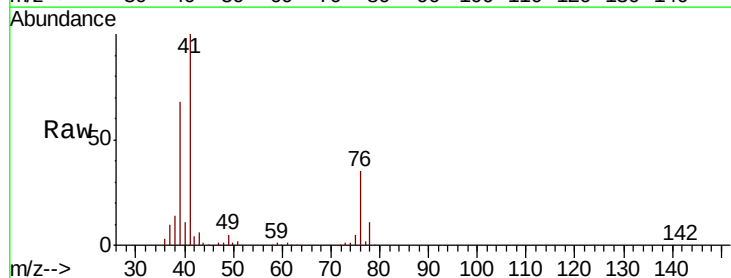
Manual Integrations
 APPROVED

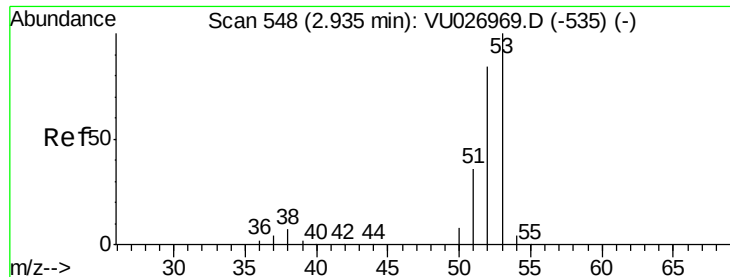
MMDadoda
 9/24/2018 2:14:14 PM



#14
 Allyl chloride
 Concen: 55.042 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	68.9			55.7	83.5	
76	32.8			26.5	39.7	





#15

Acrylonitrile

Concen: 330.376 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

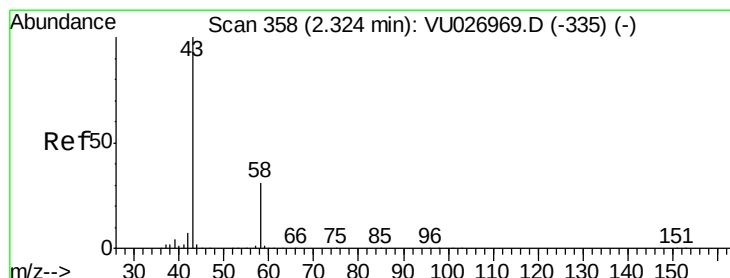
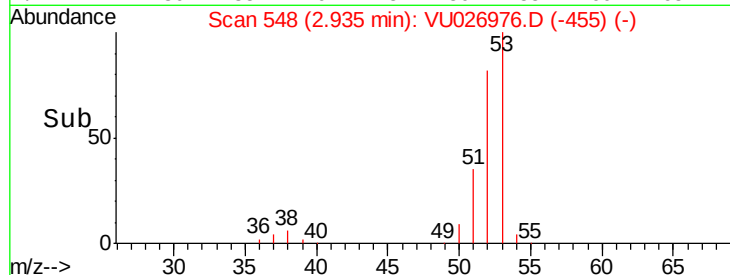
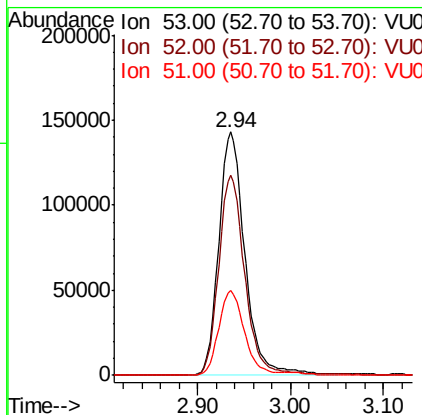
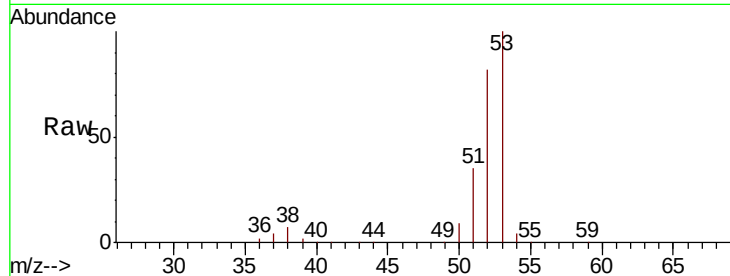
ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion:	53	Resp:	280190
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	34.0	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 346.391 ug/l

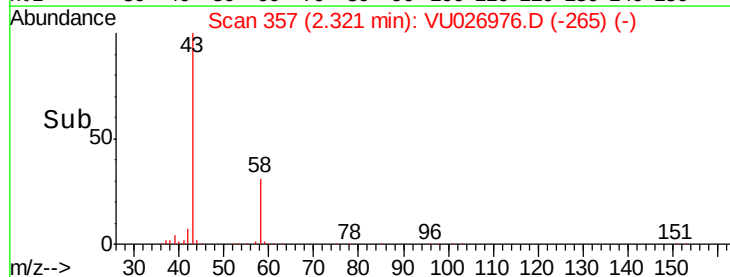
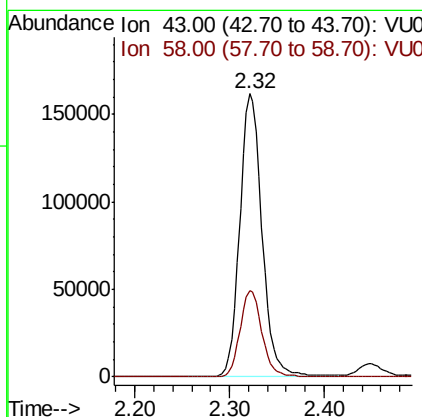
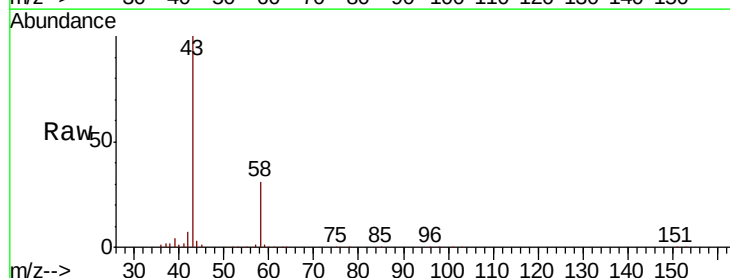
RT: 2.32 min Scan# 357

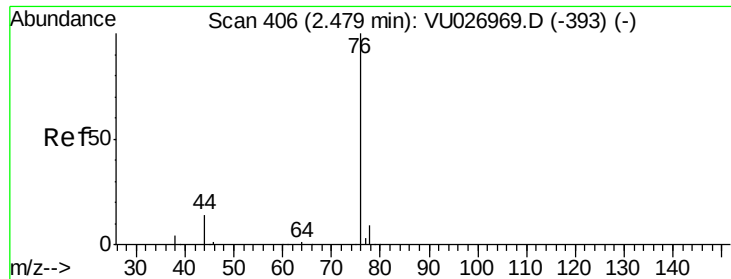
Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Tgt Ion:	43	Resp:	265138
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





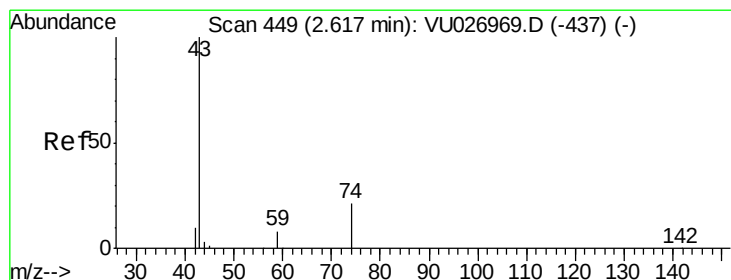
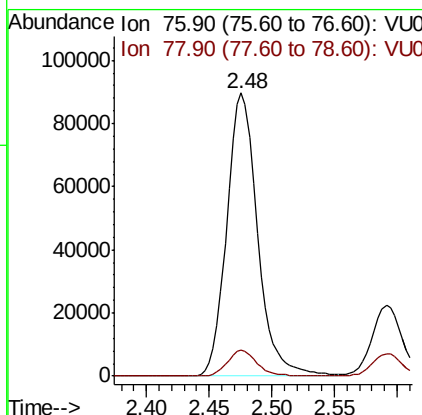
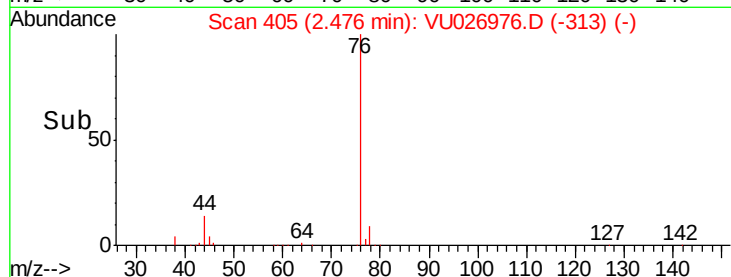
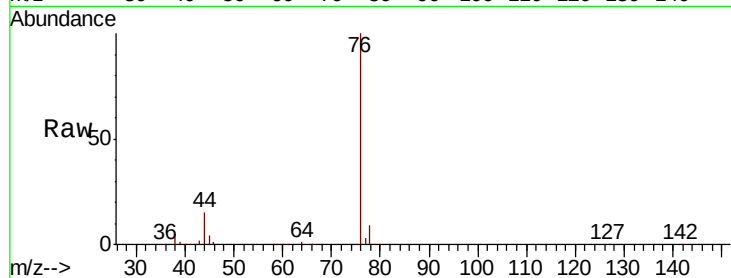
#17
Carbon Disulfide
Concen: 46.611 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

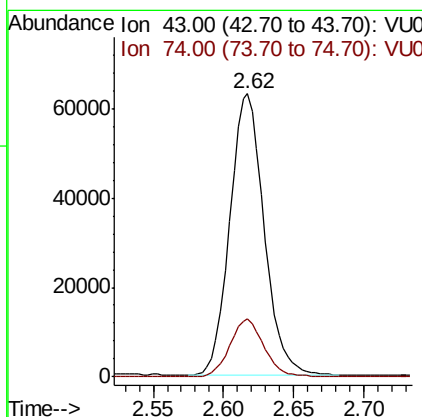
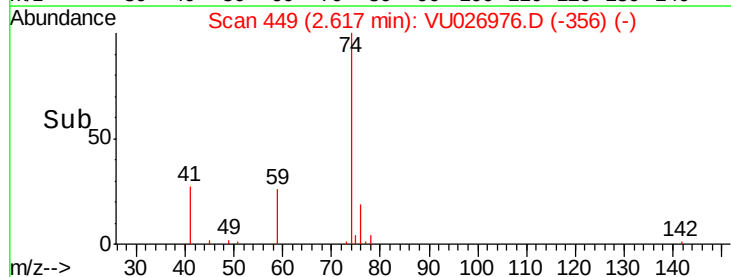
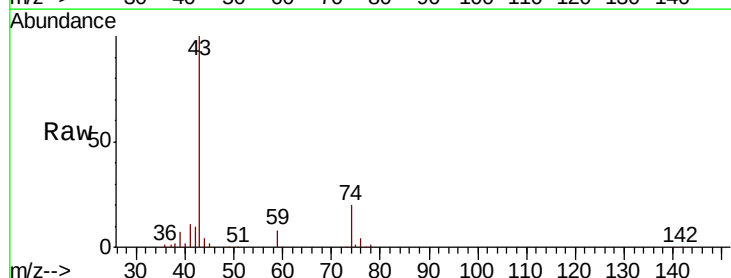
Manual Integrations
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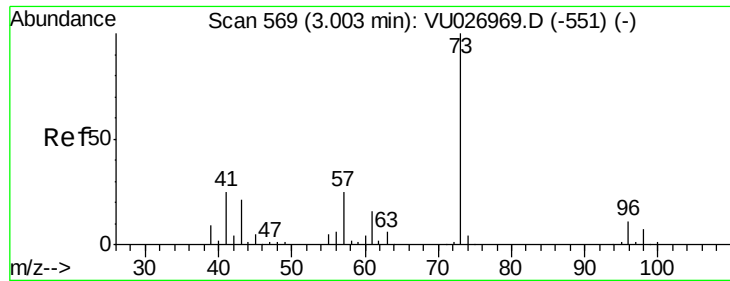
MMDadoda
9/24/2018 2:14:14 PM



#18
Methyl Acetate
Concen: 51.135 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.6	25.0





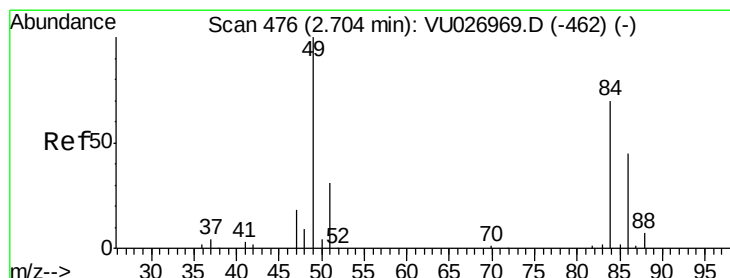
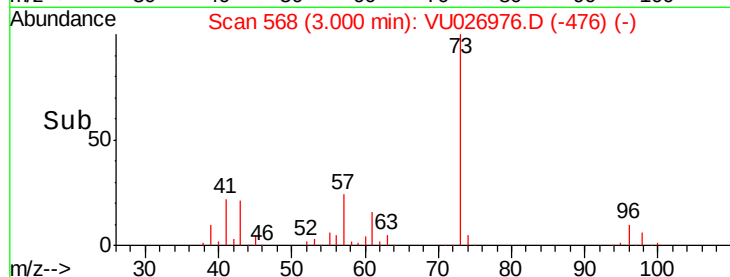
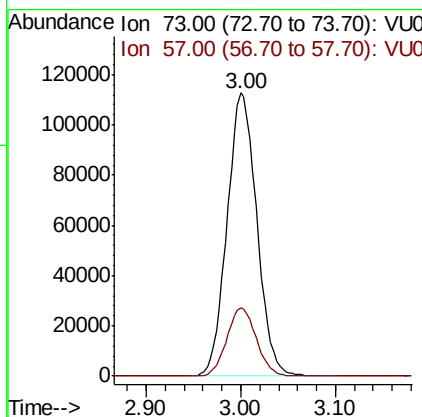
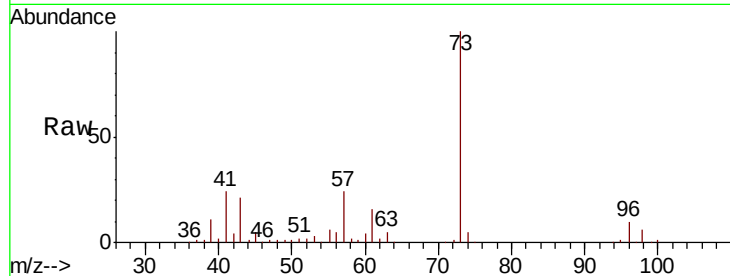
#19
Methyl tert-butyl Ether
Concen: 66.516 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion: 73 Resp: 246249
Ion Ratio Lower Upper
73 100
57 24.1 19.8 29.6

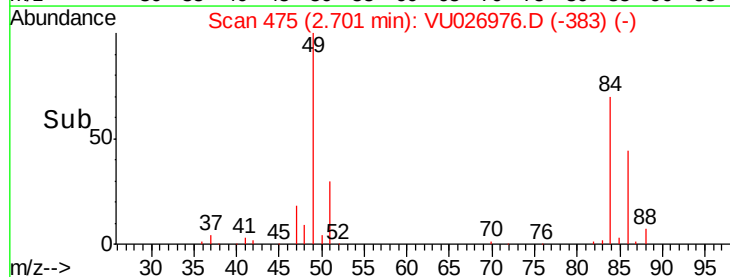
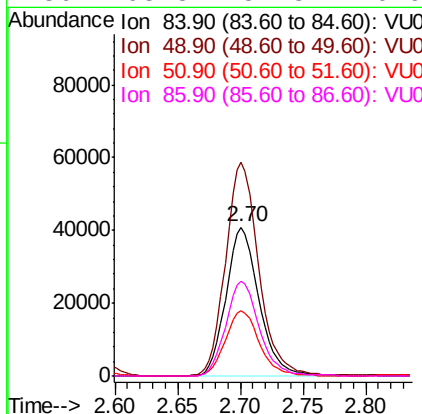
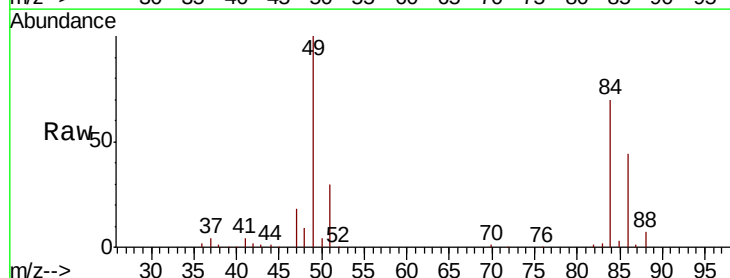
Manual Integrations
APPROVED

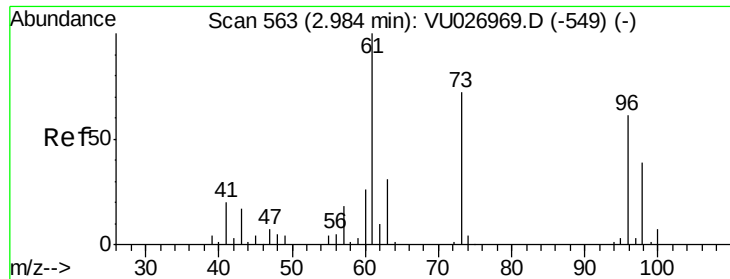
MMDadoda
9/24/2018 2:14:14 PM



#20
Methylene Chloride
Concen: 56.894 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion: 84 Resp: 74803
Ion Ratio Lower Upper
84 100
49 143.5 114.9 172.3
51 43.5 35.8 53.8
86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 54.511 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 96 Resp: 58633

Ion Ratio Lower Upper

96 100

61 161.9 131.8 197.6

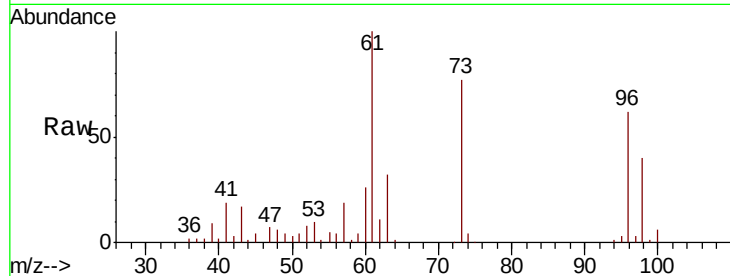
98 64.0 50.9 76.3

Manual Integrations

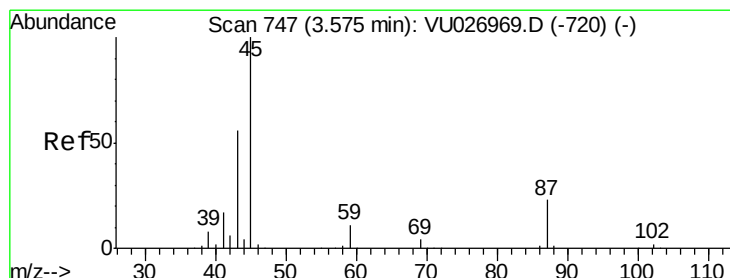
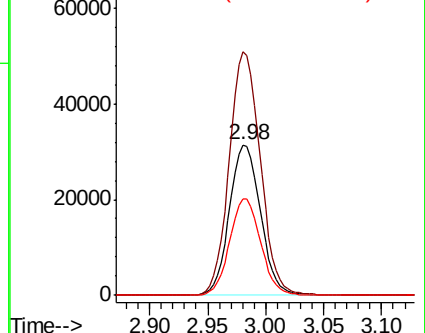
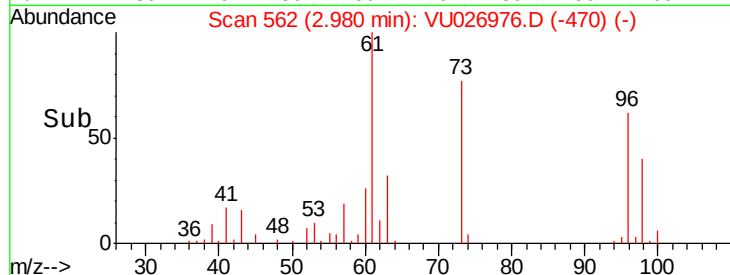
APPROVED

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Abundance Ion 95.90 (95.60 to 96.60): VU026976.D (-470) (-)



#22

Diisopropyl ether

Concen: 65.859 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Tgt Ion: 45 Resp: 287835

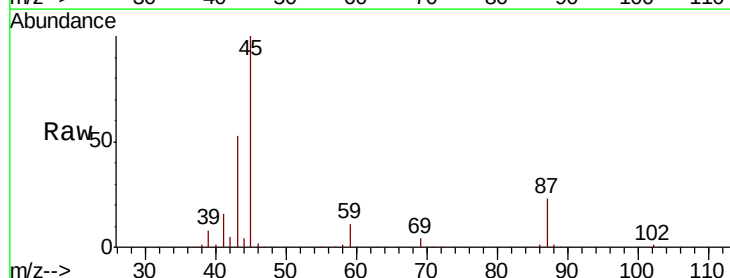
Ion Ratio Lower Upper

45 100

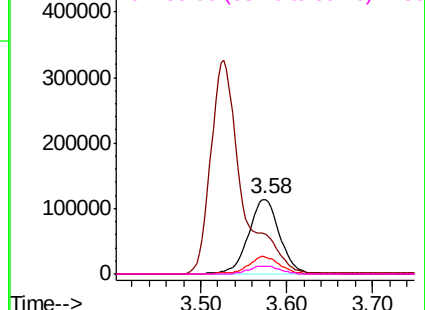
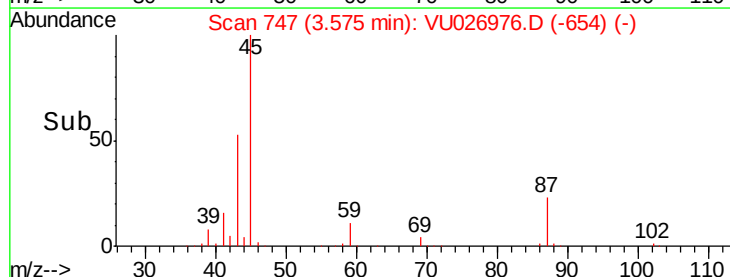
43 52.0 45.8 68.6

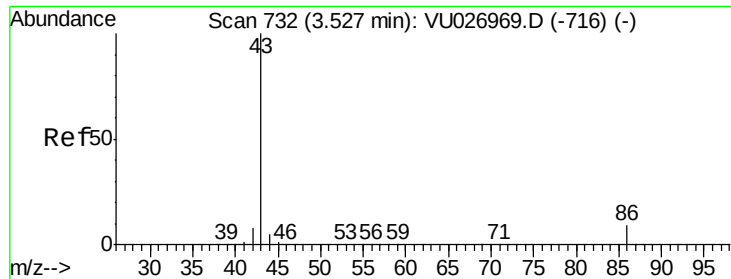
87 22.8 18.6 28.0

59 10.9 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU026976.D (-654) (-)





#23

Vinyl Acetate

Concen: 220.680 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 43 Resp: 822143

Ion Ratio Lower Upper

43 100

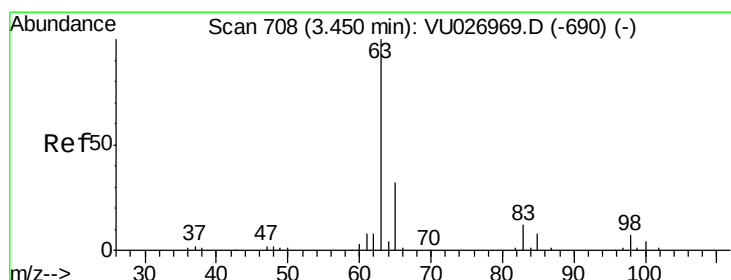
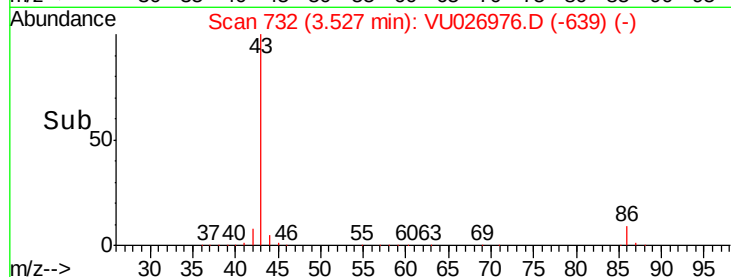
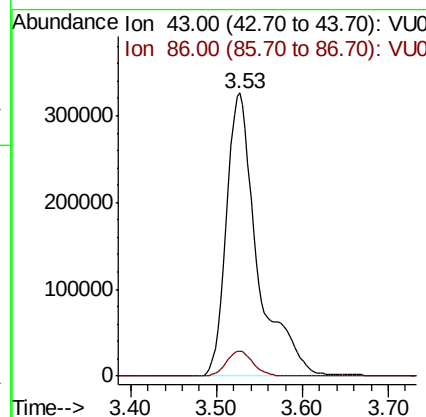
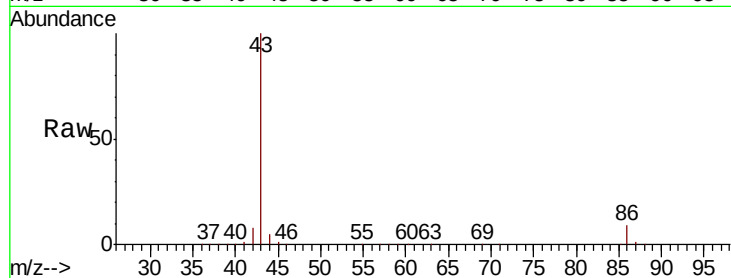
86 9.0 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 60.717 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

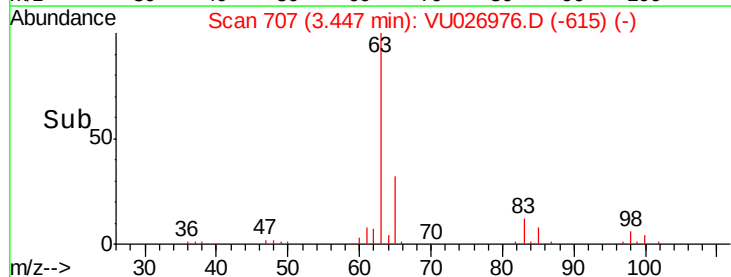
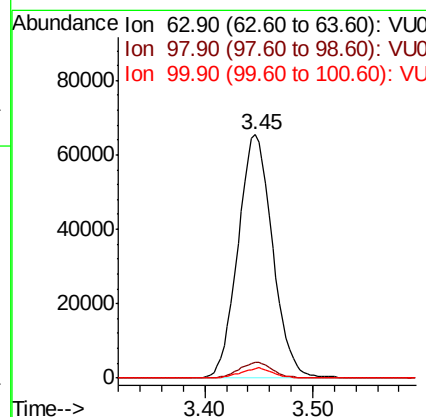
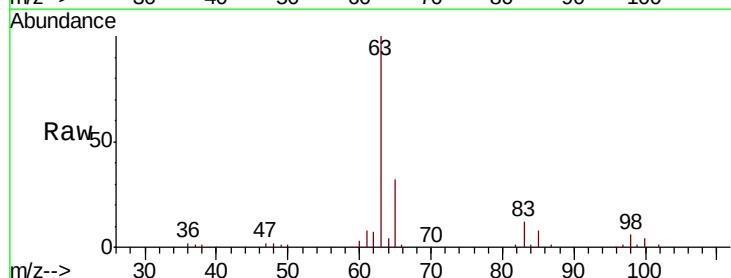
Tgt Ion: 63 Resp: 146152

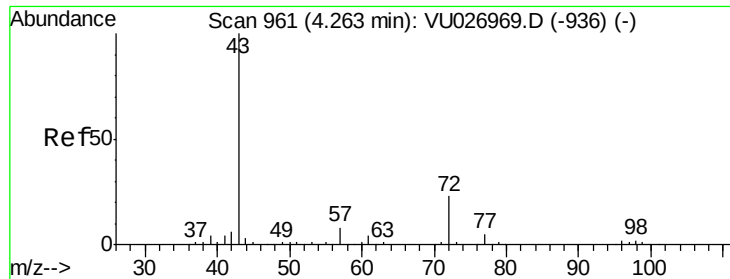
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 321.315 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 43 Resp: 396424

Ion Ratio Lower Upper

43 100

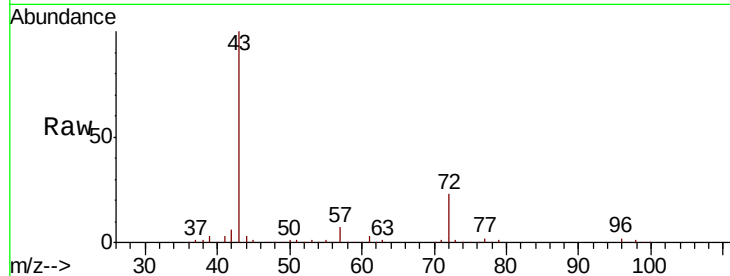
72 23.3 18.4 27.6

Manual Integrations

APPROVED

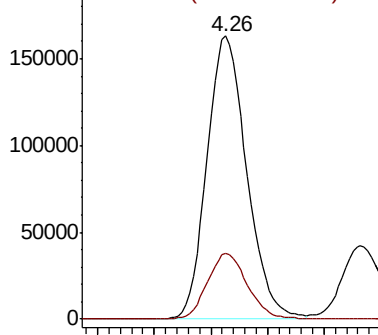
MMDadoda

9/24/2018 2:14:14 PM

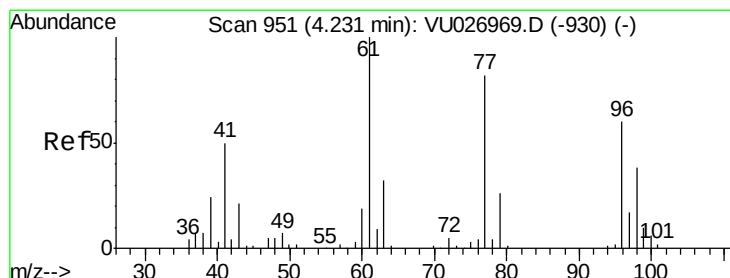
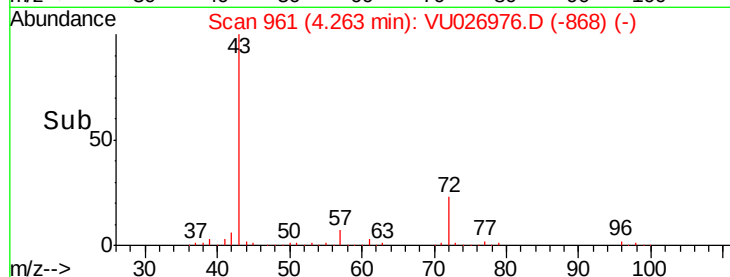


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 26.085 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026976.D

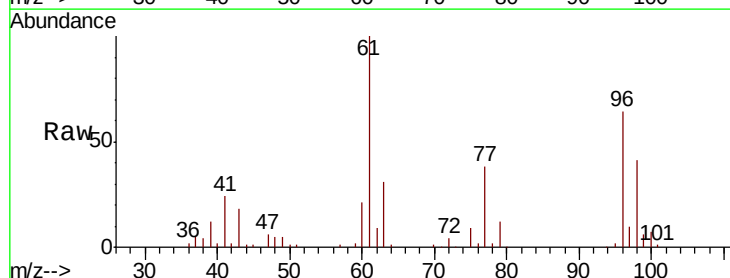
Acq: 21 Sep 2018 18:55

Tgt Ion: 77 Resp: 48967

Ion Ratio Lower Upper

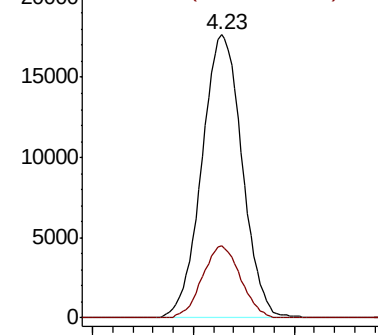
77 100

97 24.1 10.5 31.5

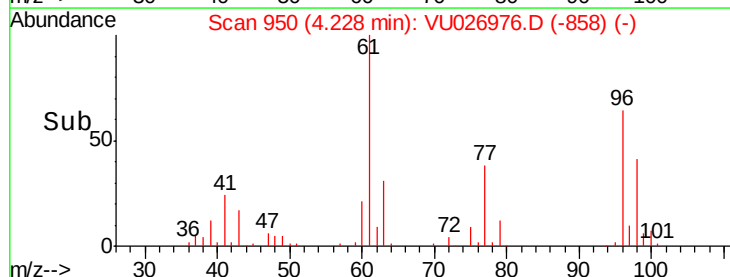


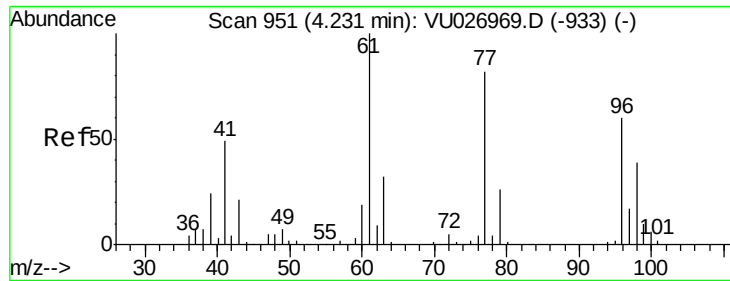
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





#27

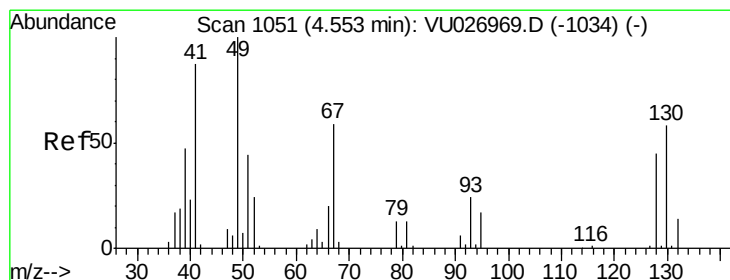
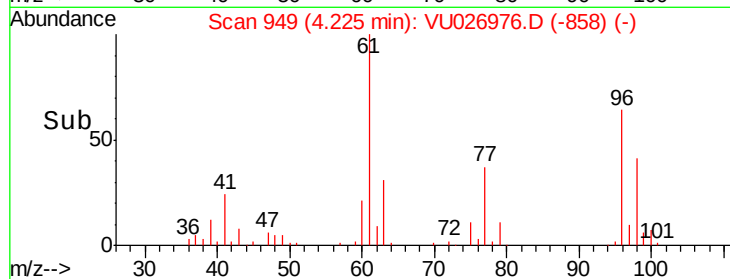
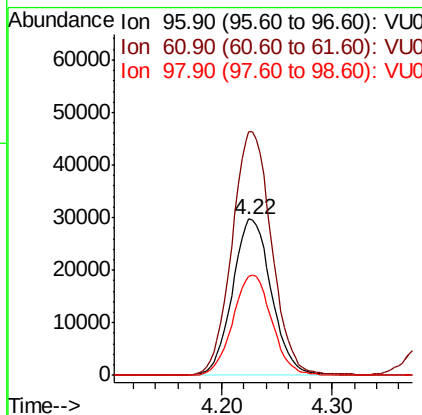
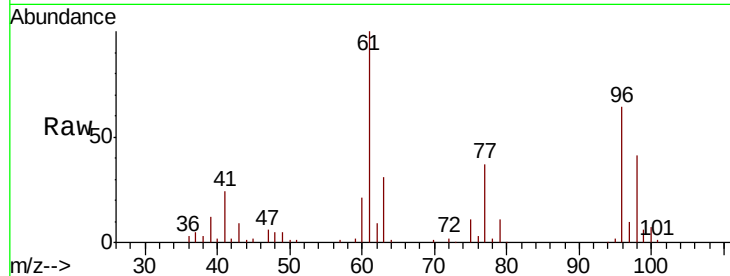
cis-1,2-Dichloroethene
 Concen: 59.850 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	337.2
98	64.2	0.0	127.6

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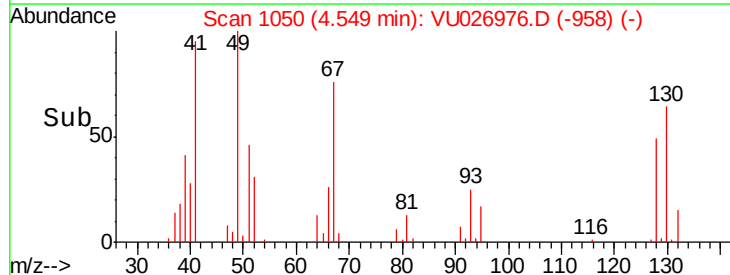
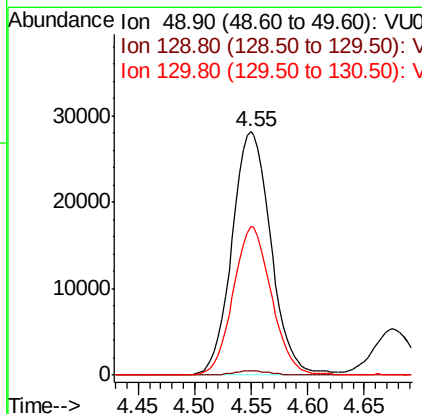
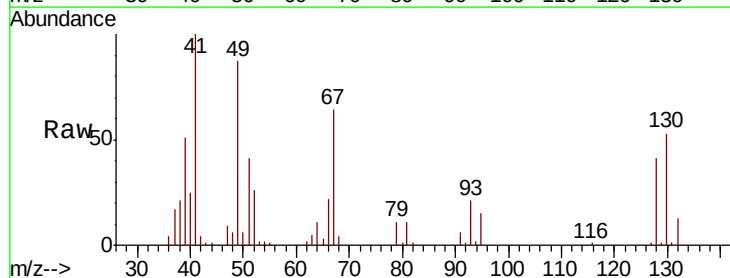
MMDadoda
 9/24/2018 2:14:14 PM

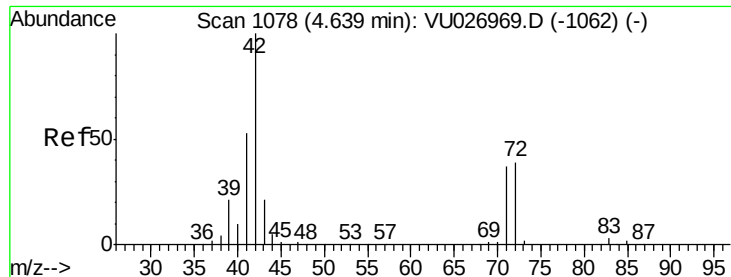


#28

Bromochloromethane
 Concen: 58.069 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	59.9	47.8	71.8





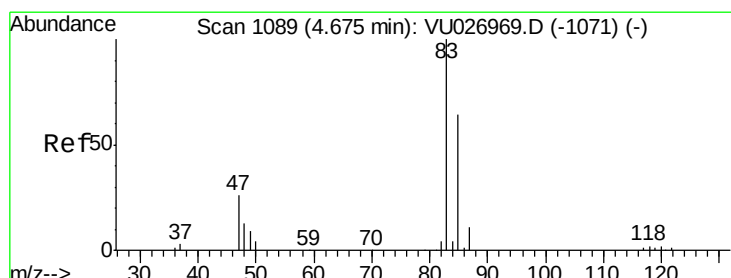
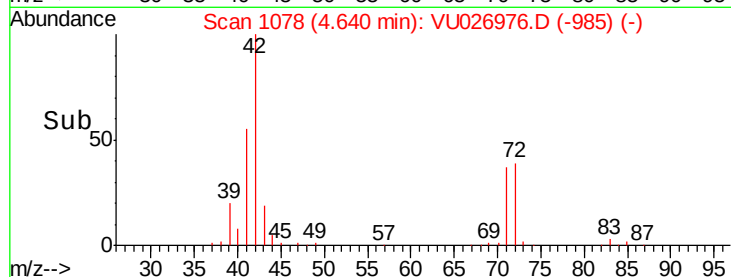
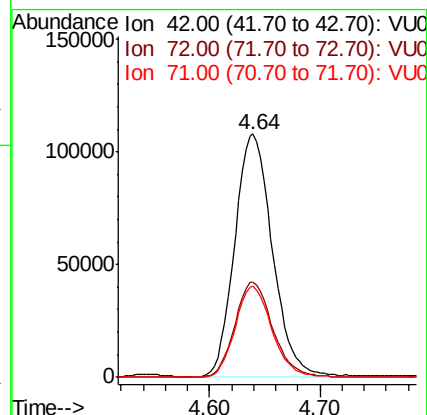
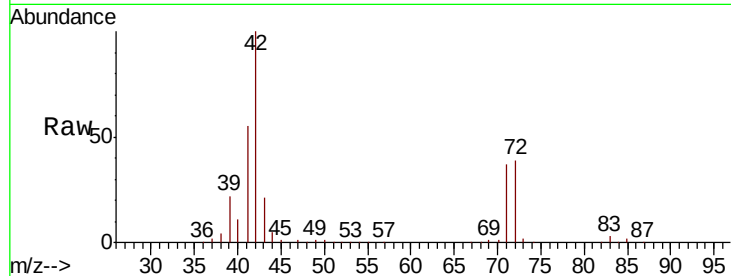
#29
Tetrahydrofuran
Concen: 341.973 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion:	42	Resp:	255228
Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.7	47.5
71	36.7	29.6	44.4

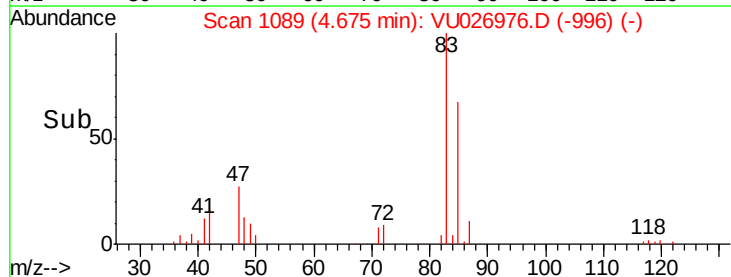
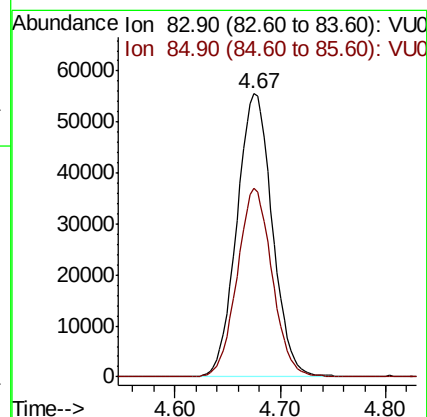
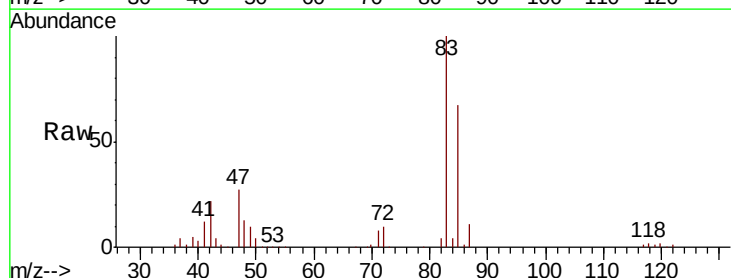
Manual Integrations
APPROVED

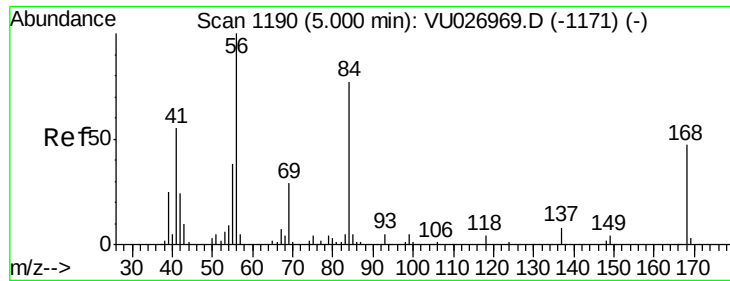
MMDadoda
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#30
Chloroform
Concen: 58.128 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion:	83	Resp:	129879
Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.5	77.3





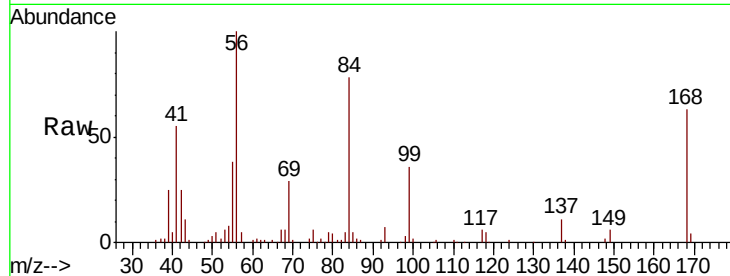
#31
Cyclohexane
Concen: 42.624 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

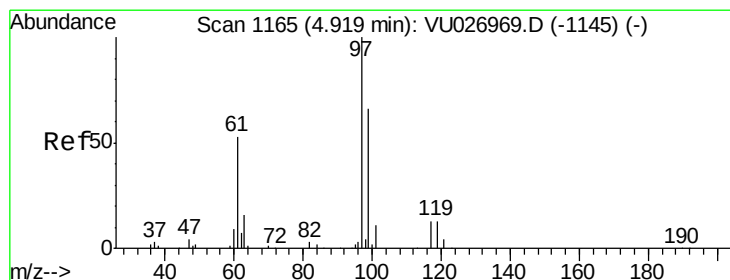
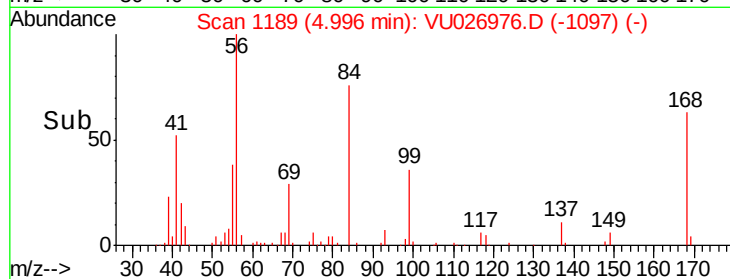
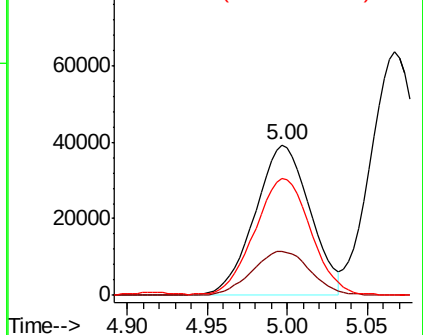
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.0	34.4
84	76.9	61.4	92.2

Manual Integrations
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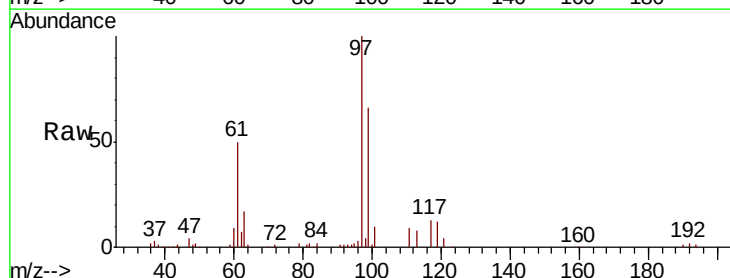


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

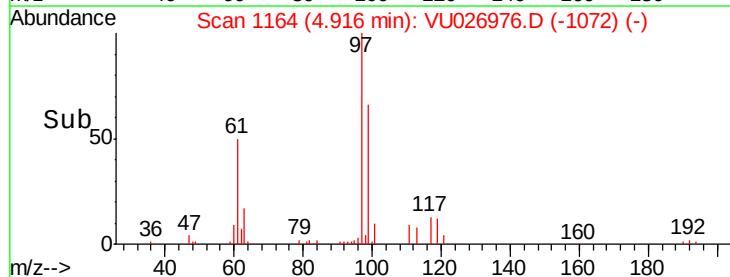
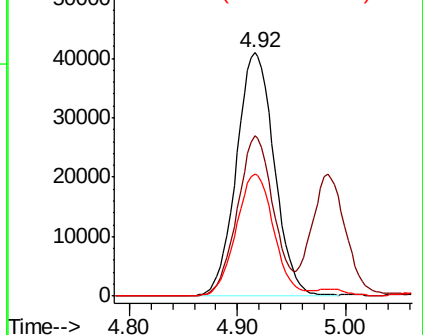


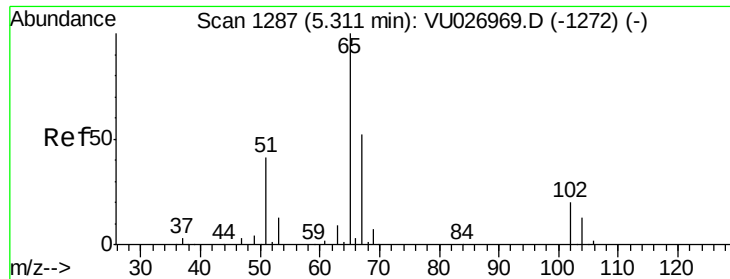
#32
1,1,1-Trichloroethane
Concen: 56.047 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.8	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





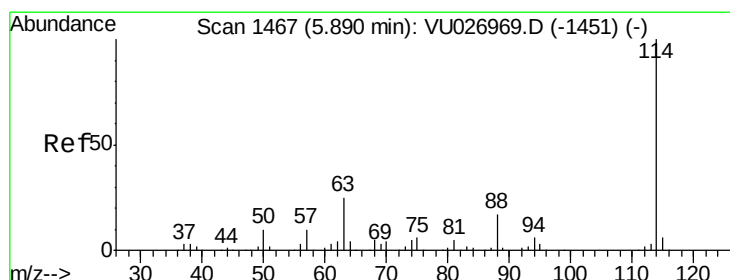
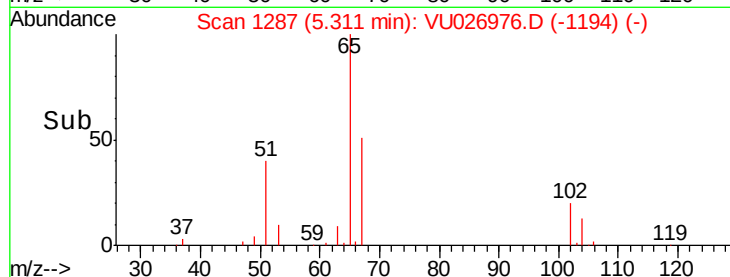
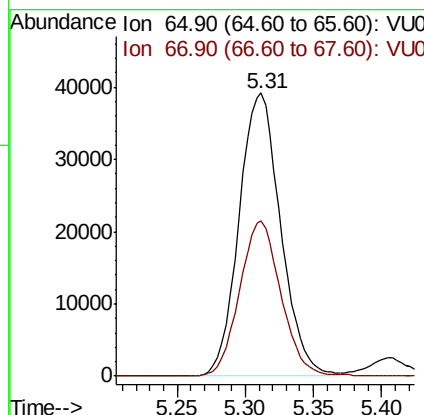
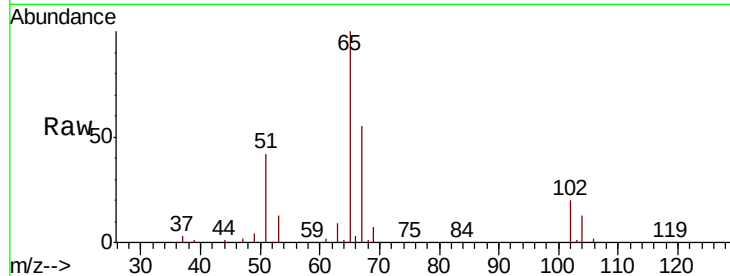
#33
 1,2-Dichloroethane-d4
 Concen: 56.621 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.6

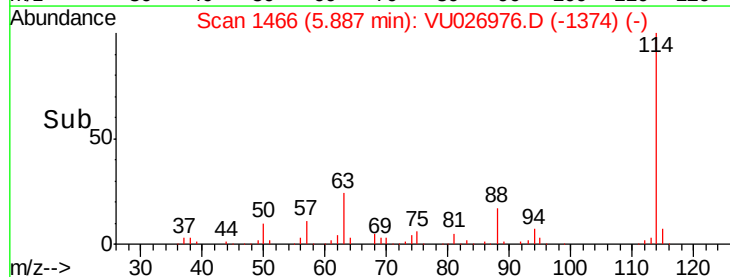
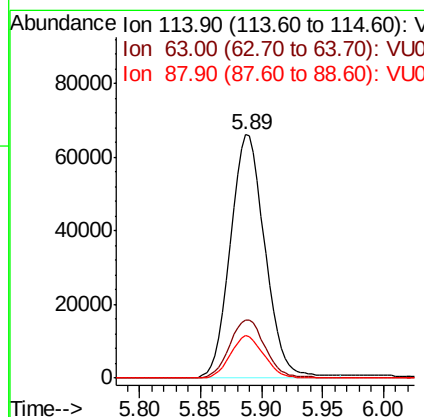
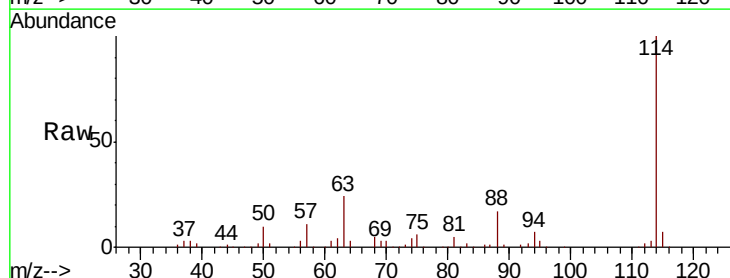
Manual Integrations
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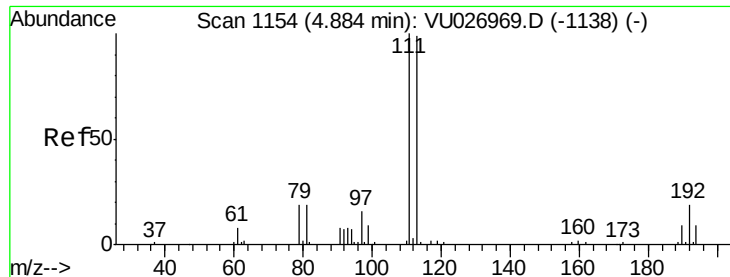
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	49.2
88	17.3	0.0	33.8





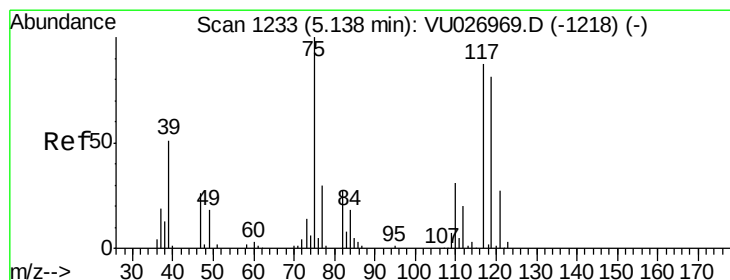
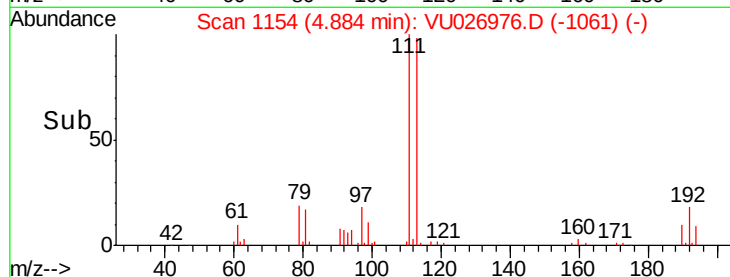
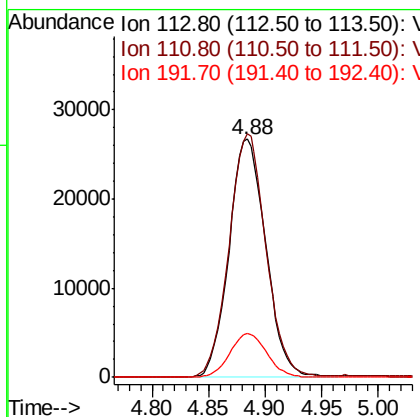
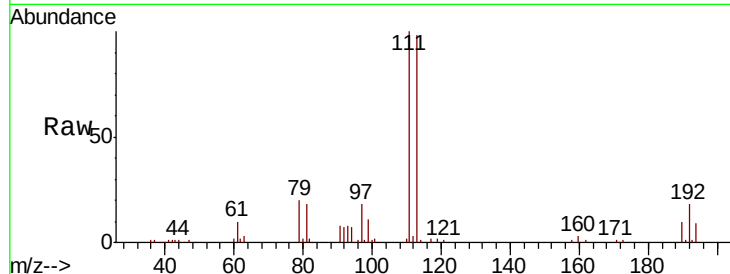
#35
 Dibromofluoromethane
 Concen: 53.169 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	60577		
111	102.3		82.2	123.4
192	18.5		15.2	22.8

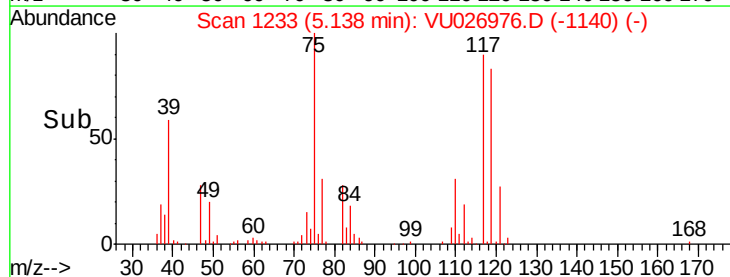
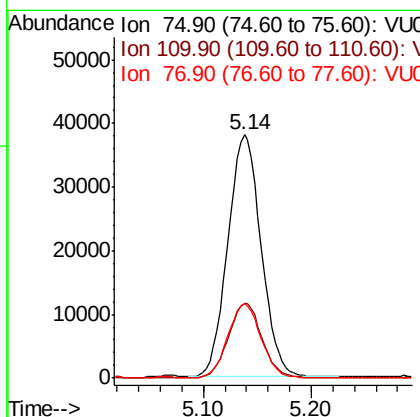
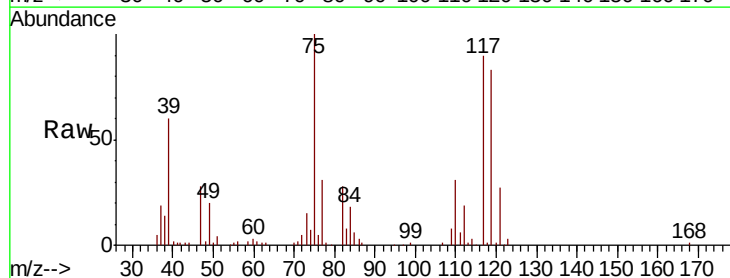
Manual Integrations
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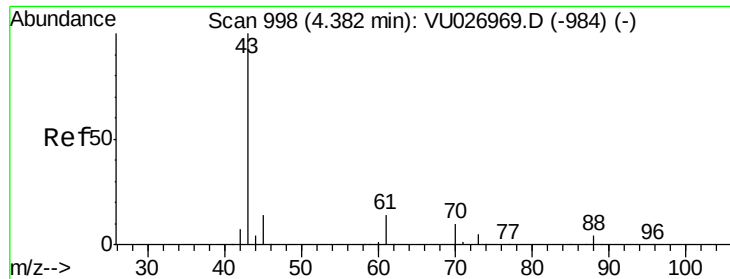
MMDadoda
 9/24/2018 2:14:14 PM



#36
 1,1-Dichloropropene
 Concen: 46.474 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81525		
110	31.5		16.1	48.2
77	30.9		24.6	36.8





#37

Ethyl Acetate

Concen: 43.039 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

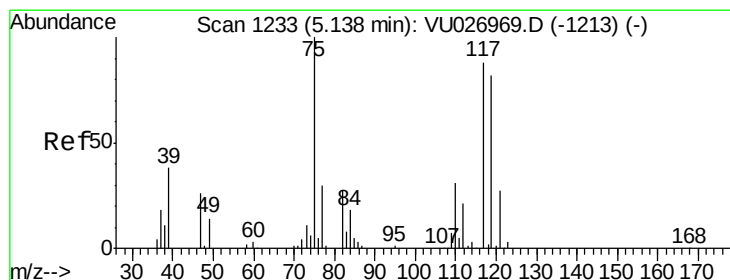
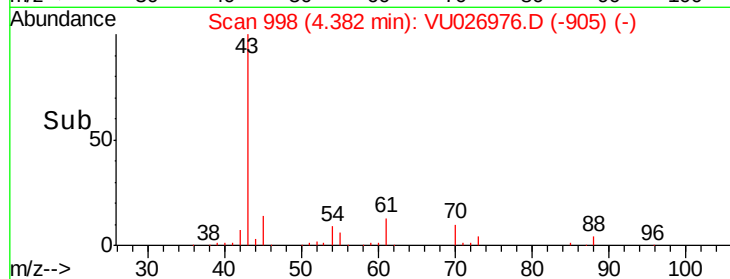
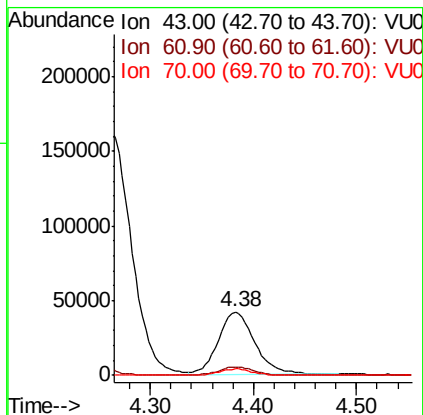
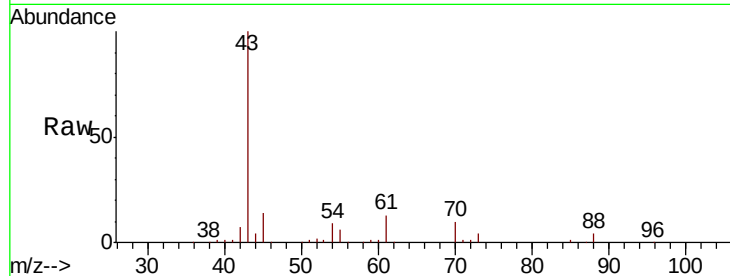
ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion:	43	Resp:	102206
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	9.4	7.4	11.0

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



#38

Carbon Tetrachloride

Concen: 46.852 ug/l

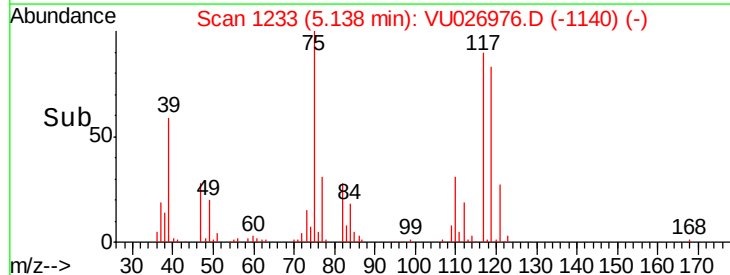
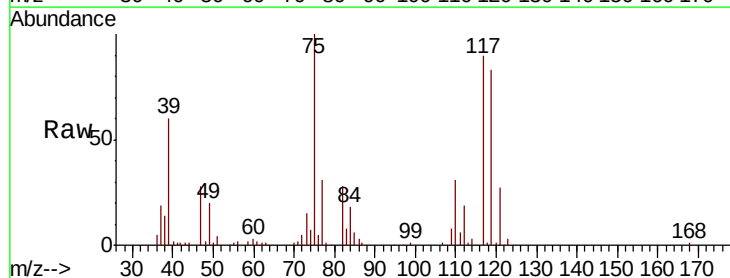
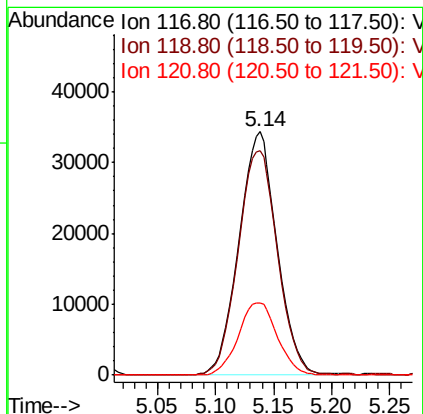
RT: 5.14 min Scan# 1233

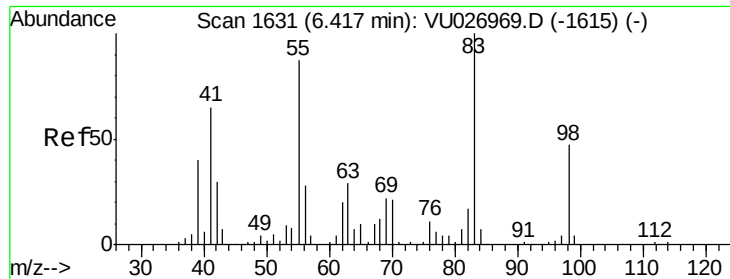
Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Tgt Ion:	117	Resp:	78213
Ion	Ratio	Lower	Upper
117	100		
119	92.4	74.4	111.6
121	29.6	24.2	36.4





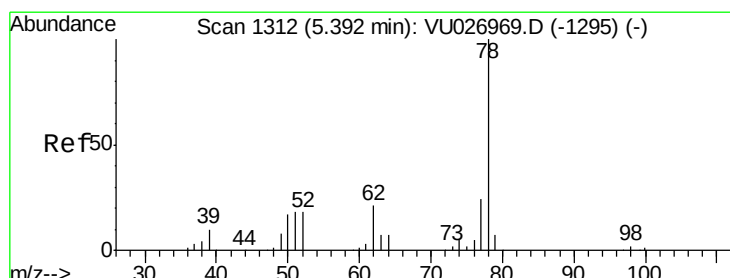
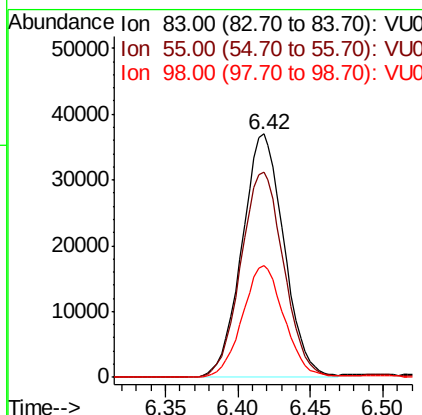
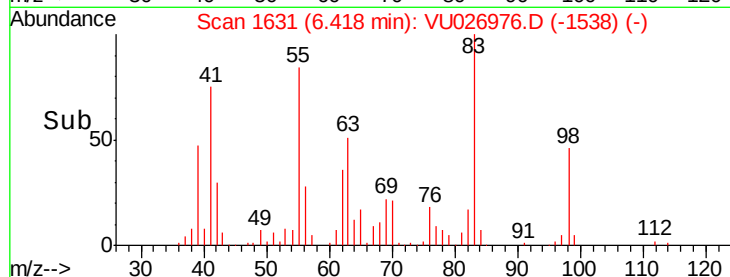
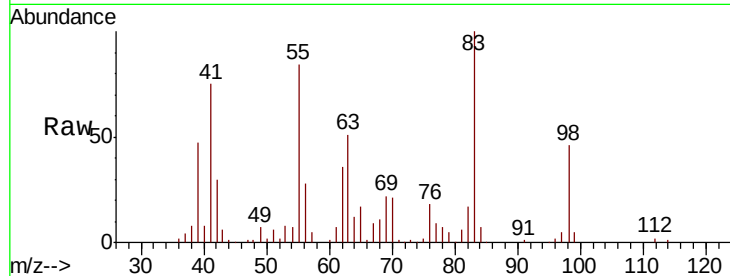
#39
Methylvlcyclohexane
Concen: 39.051 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	69.9	104.9
98	45.9	37.5	56.3

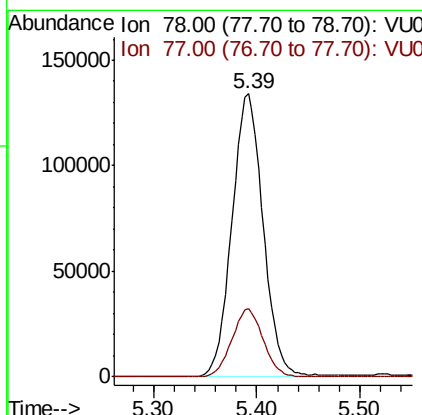
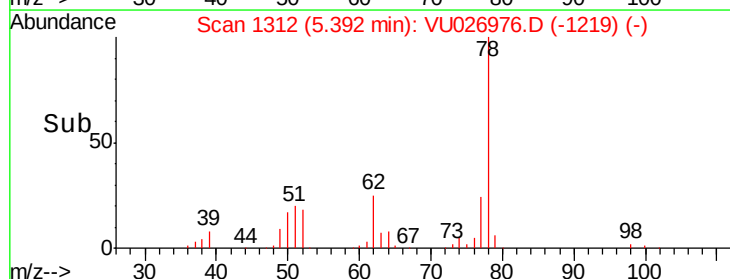
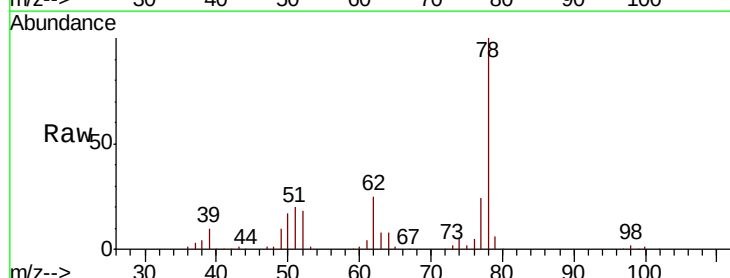
Manual Integrations
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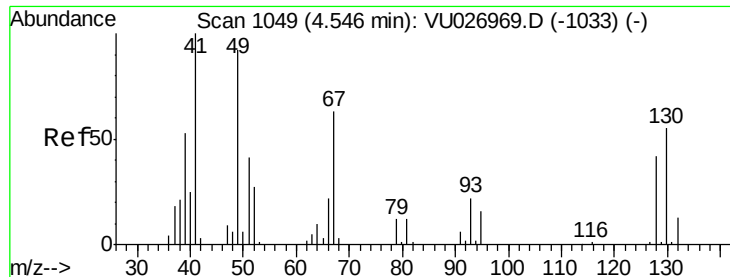
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#40
Benzene
Concen: 53.176 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





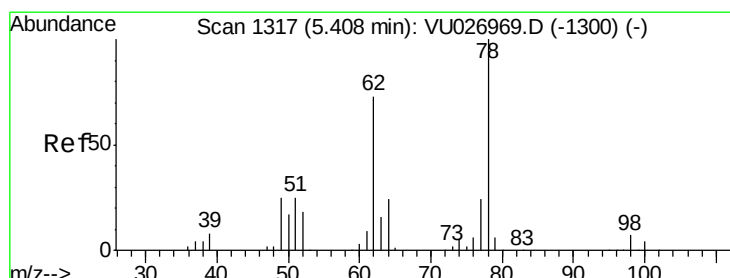
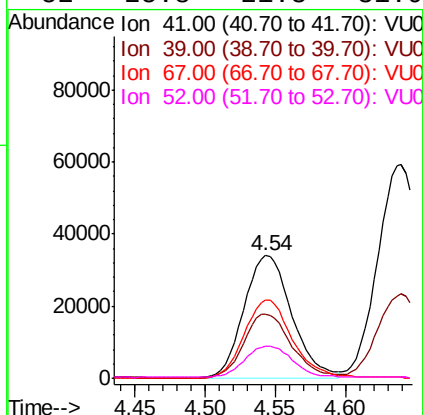
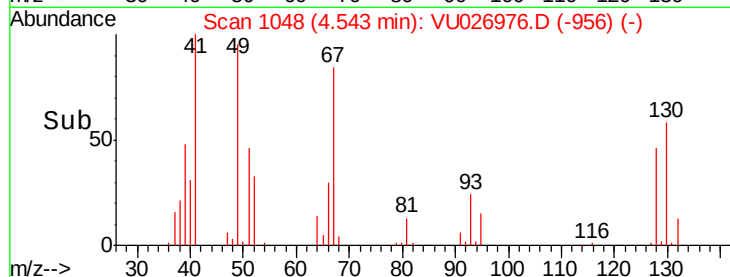
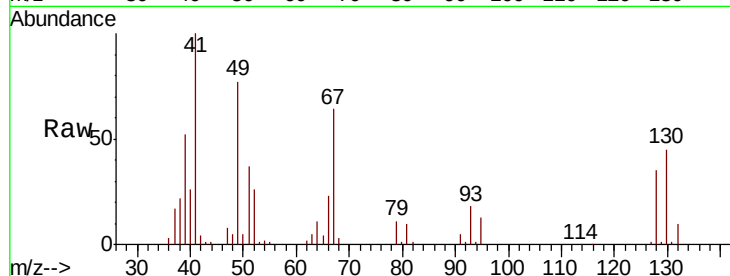
#41
Methacrylonitrile
Concen: 65.698 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ion	Ratio	Lower	Upper
81026	41	100		
	39	52.4	42.9	64.3
	67	64.1	52.4	78.6
	52	25.8	21.3	31.9

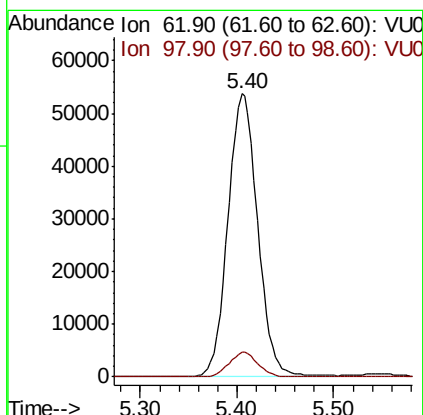
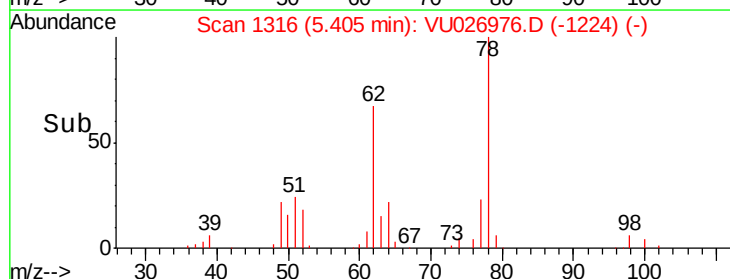
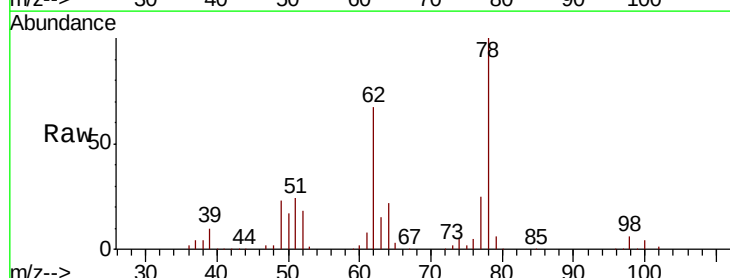
Manual Integrations
APPROVED

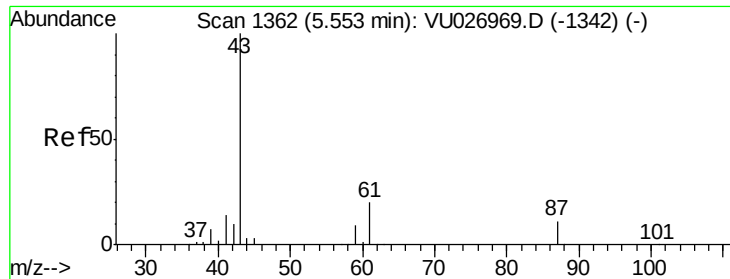
MMDadoda
9/24/2018 2:14:14 PM



#42
1,2-Dichloroethane
Concen: 56.908 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ion	Ratio	Lower	Upper
114659	62	100		
	98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 52.427 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

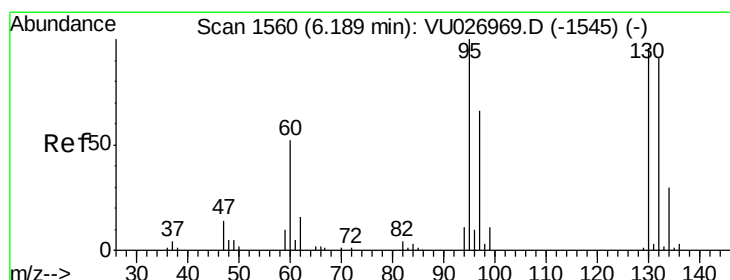
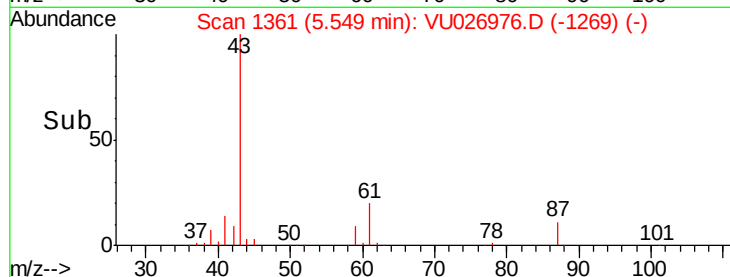
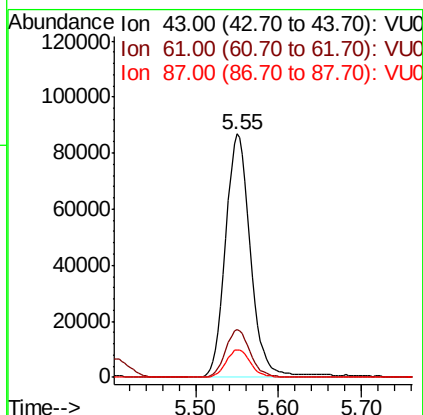
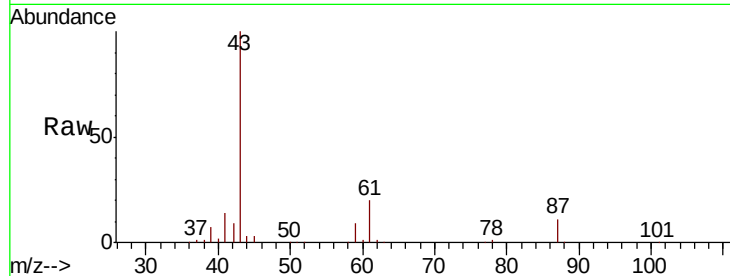
ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion:	43	Resp:	181568
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	11.2	9.0	13.4

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#44

Trichloroethene

Concen: 50.074 ug/l

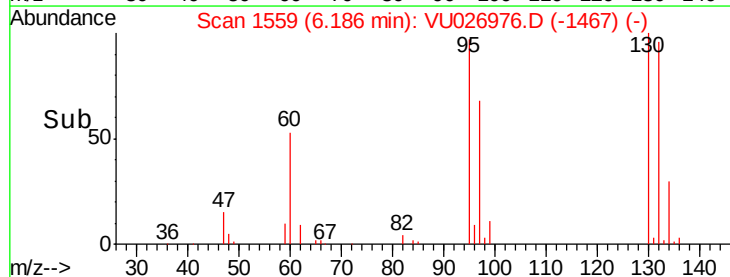
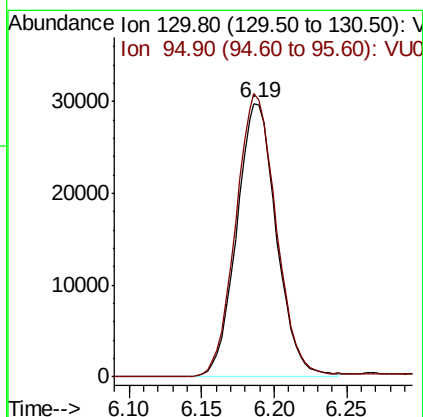
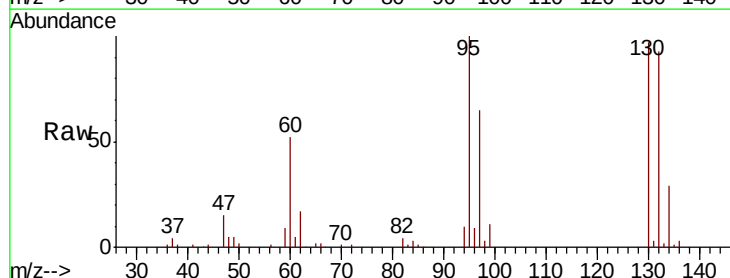
RT: 6.19 min Scan# 1559

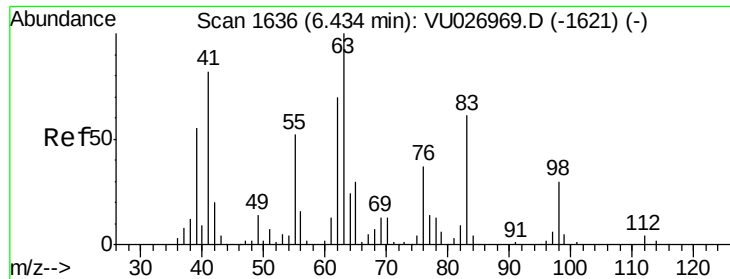
Delta R.T. -0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Tgt Ion:	130	Resp:	56849
Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	208.8





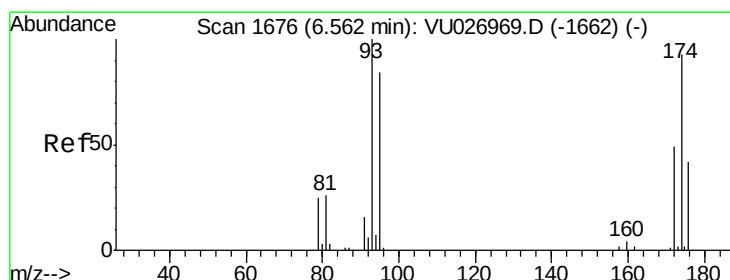
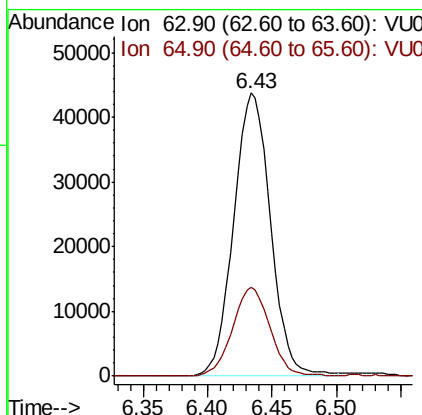
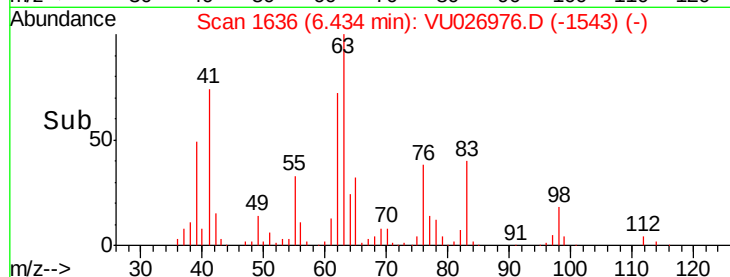
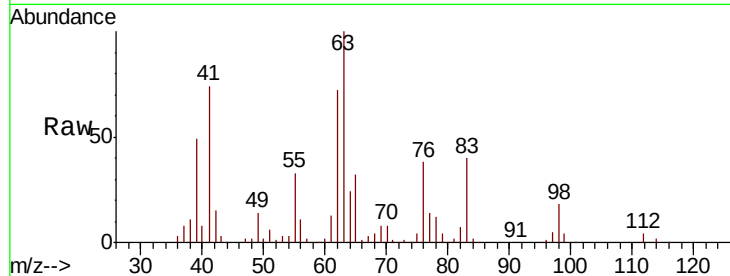
#45
 1,2-Dichloropropane
 Concen: 57.237 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.3	36.5

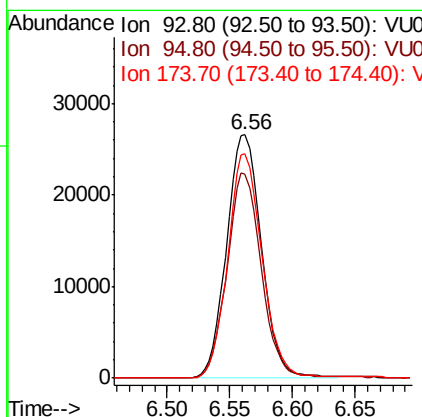
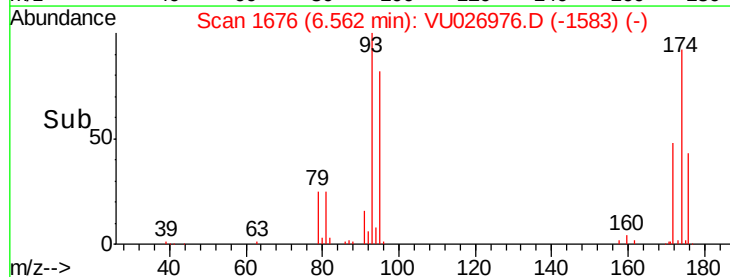
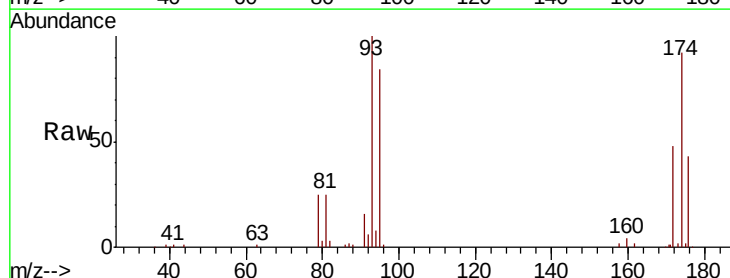
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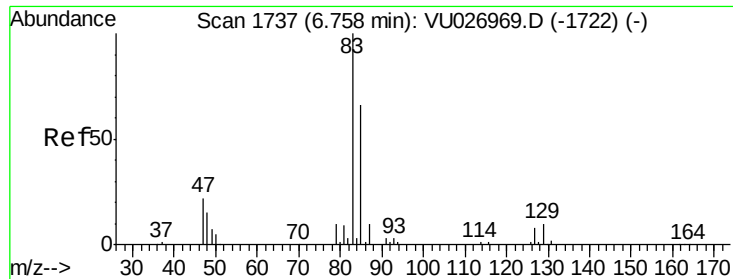
MMDadoda
 9/24/2018 2:14:14 PM



#46
 Dibromomethane
 Concen: 56.198 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.2	99.4
174	90.5	71.7	107.5





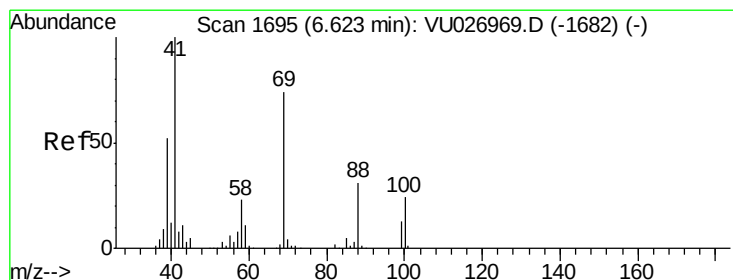
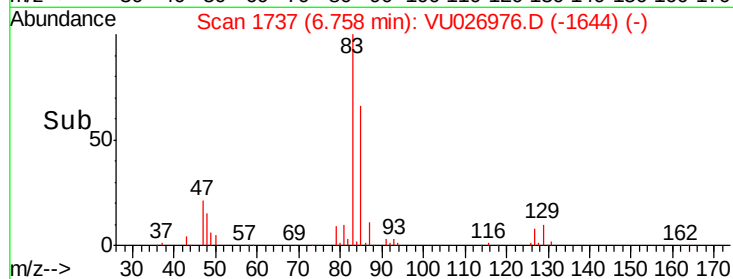
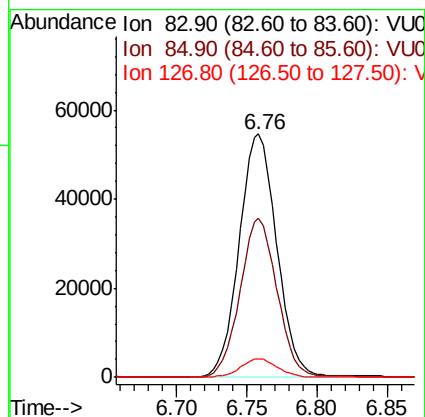
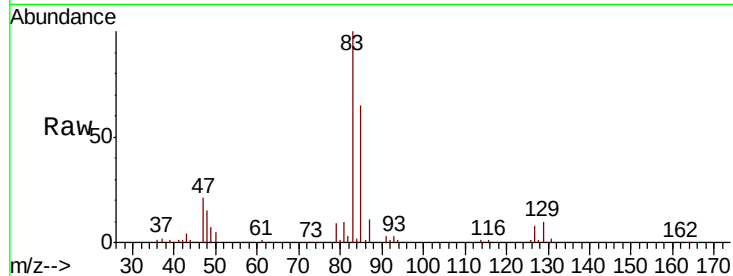
#47
Bromodichloromethane
Concen: 55.148 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	83	Resp	102334
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	52.5	78.7
127	7.8	6.3	9.5

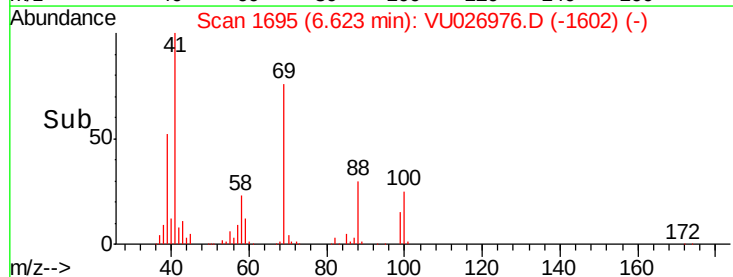
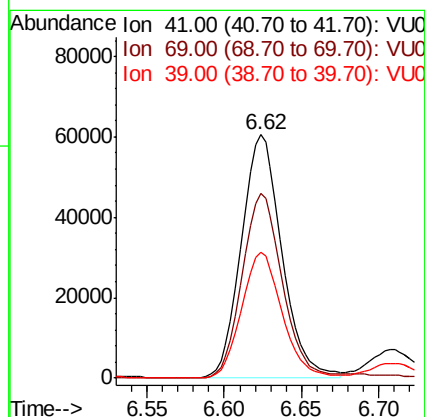
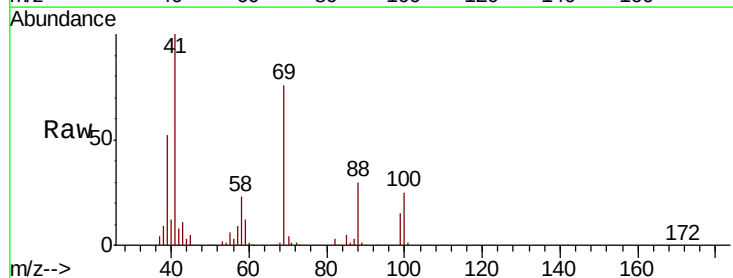
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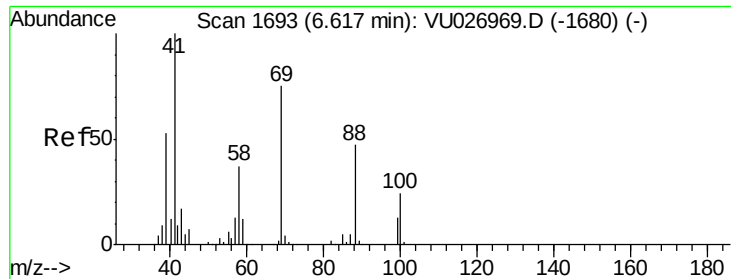
MMDadoda
9/24/2018 2:14:14 PM



#48
Methyl methacrylate
Concen: 58.256 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	41	Resp	110133
Ion Ratio	100	Lower	Upper
41	100		
69	75.9	60.6	90.8
39	51.9	42.8	64.2





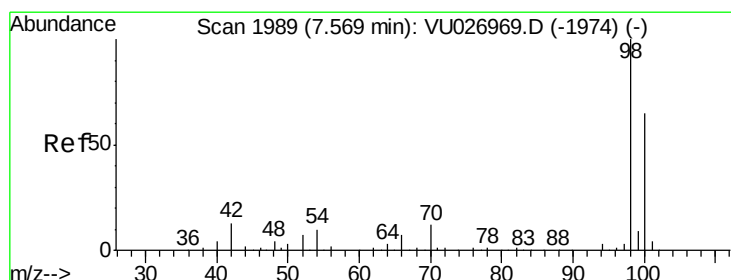
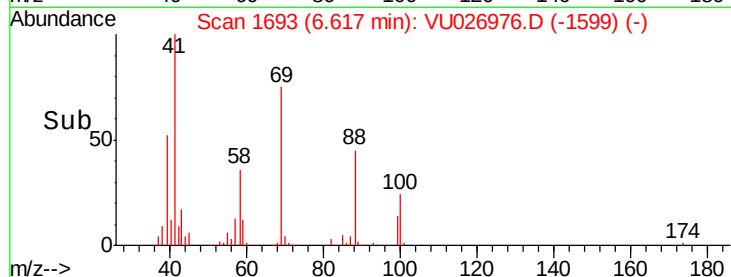
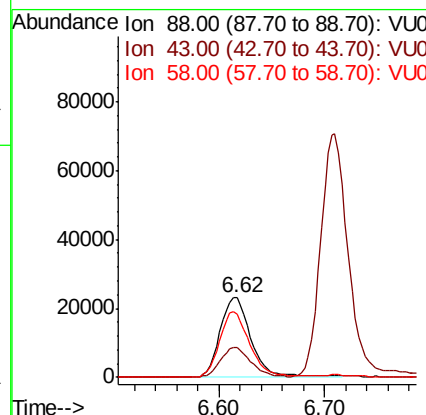
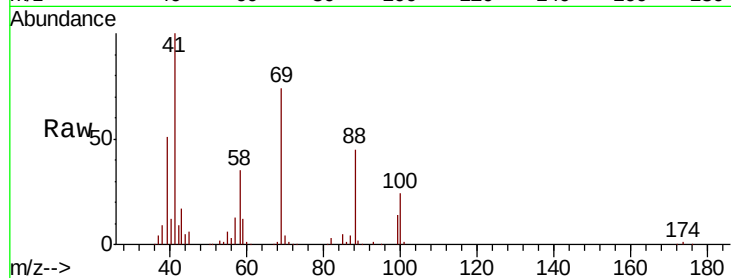
#49
1,4-Dioxane
Concen: 1269.673 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.8
58	79.0	63.9	95.9

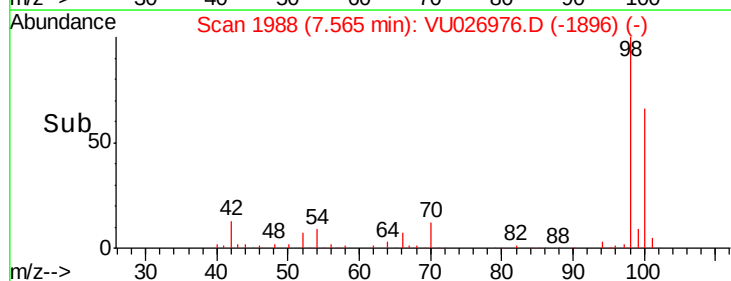
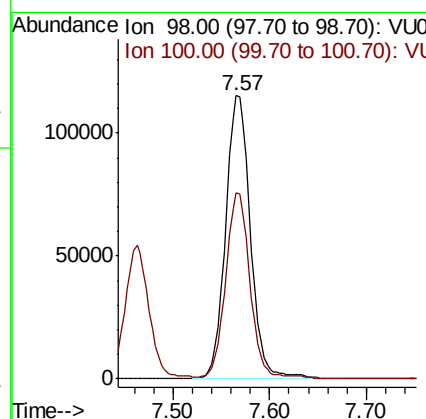
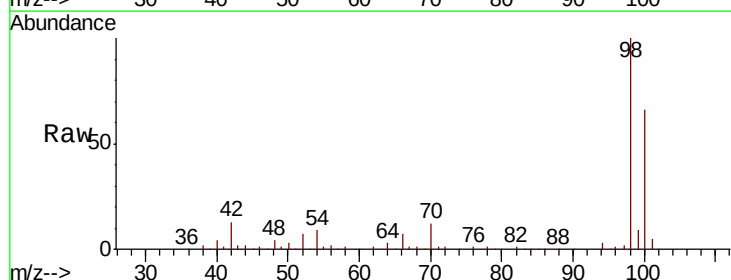
Manual Integrations
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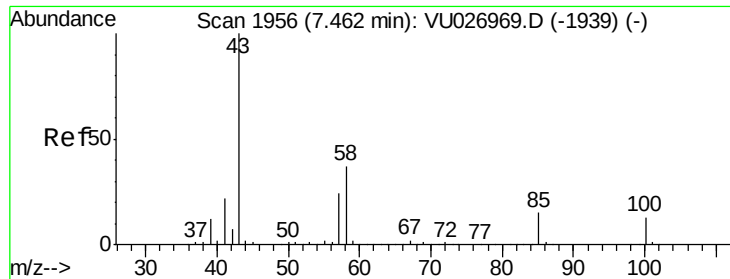
MMDadoda
9/24/2018 2:14:14 PM



#50
Toluene-d8
Concen: 47.284 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 323.440 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 43 Resp: 753376

Ion Ratio Lower Upper

43 100

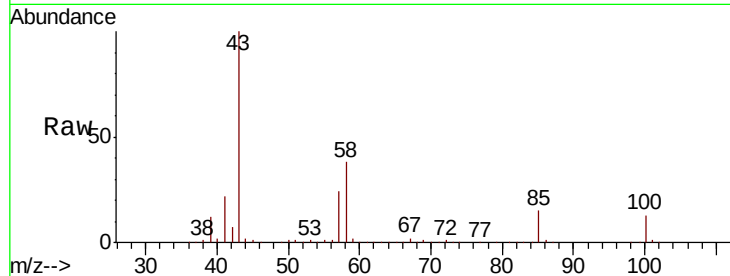
58 37.8 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026976.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU026976.D (-1863) (-)

7.46

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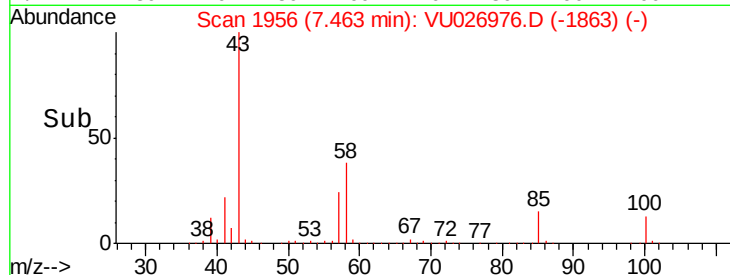
7.46

7.46

7.46

7.46

7.46



#52

Toluene

Concen: 52.418 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026976.D

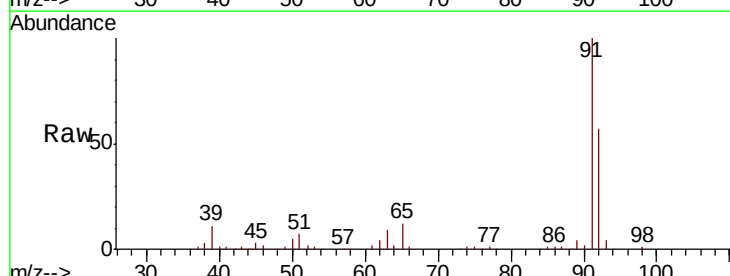
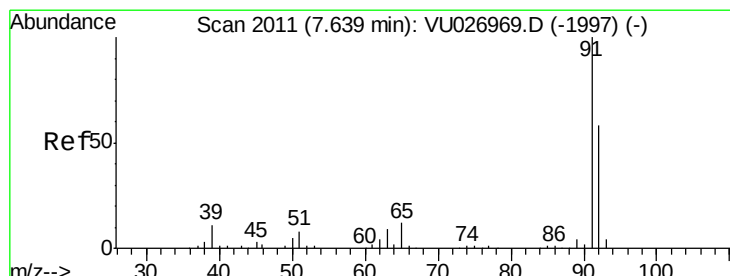
Acq: 21 Sep 2018 18:55

Tgt Ion: 92 Resp: 160230

Ion Ratio Lower Upper

92 100

91 173.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026976.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU026976.D (-1918) (-)

7.64

7.64

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7.64

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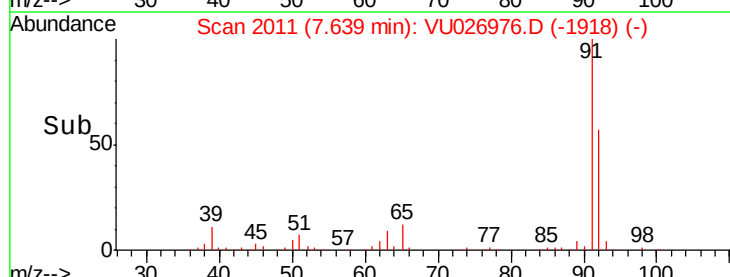
7.64

7.64

7.64

7.64

7.64



#52

Toluene

Concen: 52.418 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026976.D

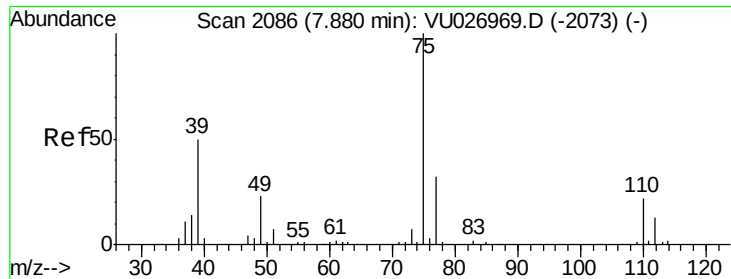
Acq: 21 Sep 2018 18:55

Tgt Ion: 92 Resp: 160230

Ion Ratio Lower Upper

92 100

91 173.7 136.4 204.6



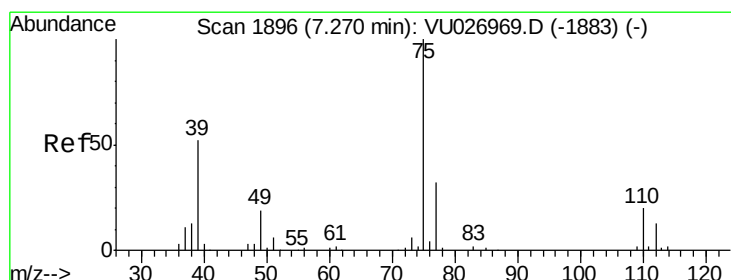
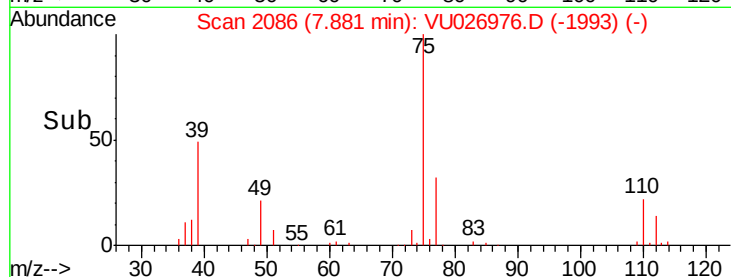
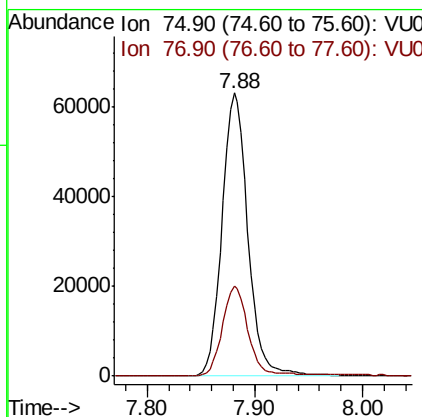
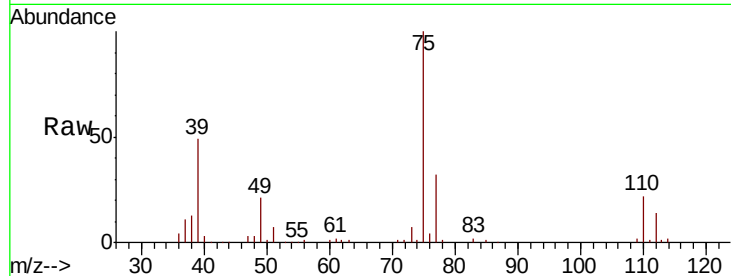
#53
t-1,3-Dichloropropene
Concen: 52.829 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion: 75 Resp: 105326
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

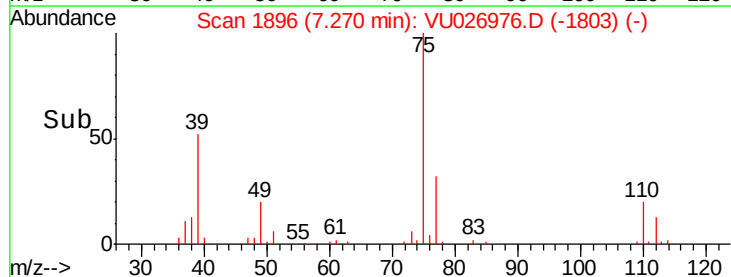
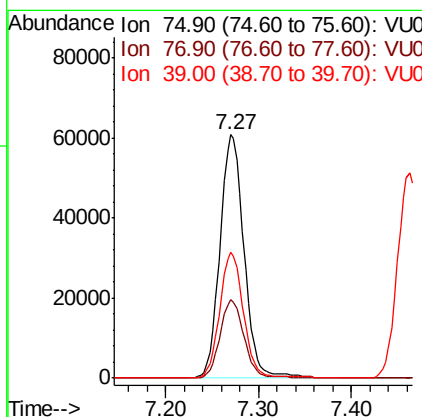
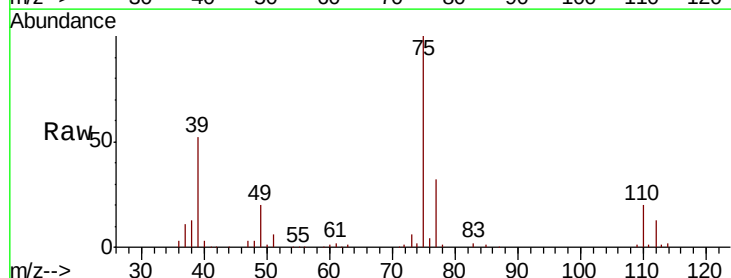
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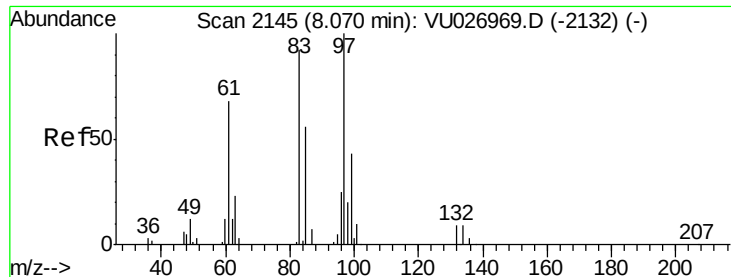
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.951 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion: 75 Resp: 109499
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0
39 51.7 41.6 62.4





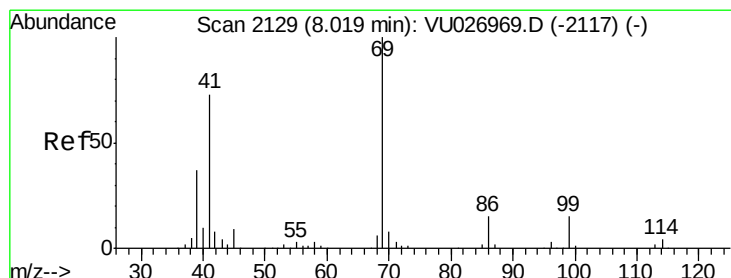
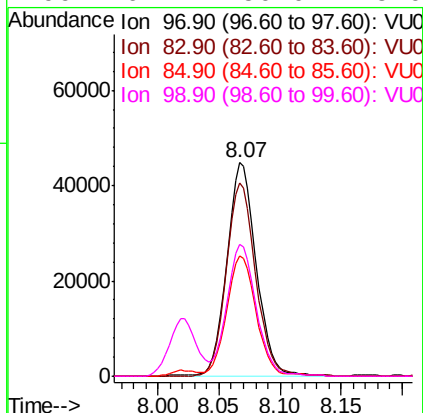
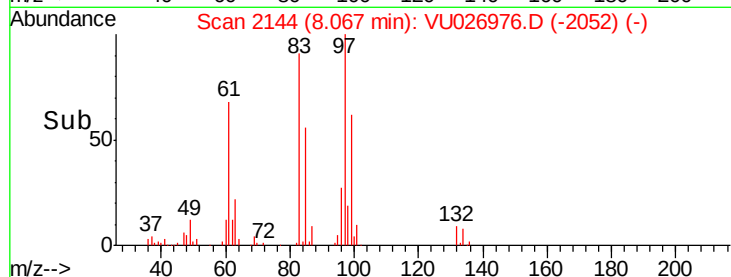
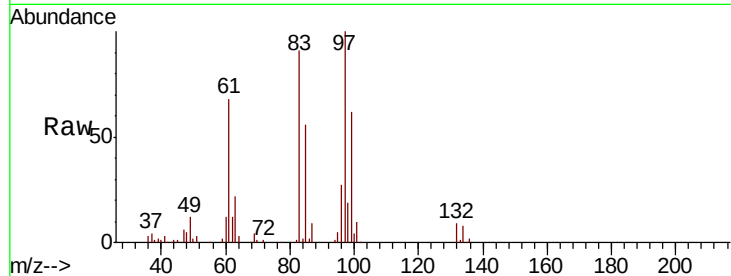
#55
 1,1,2-Trichloroethane
 Concen: 58.249 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.5	73.1	109.7	
85	56.3	46.7	70.1	
99	61.7	50.0	75.0	

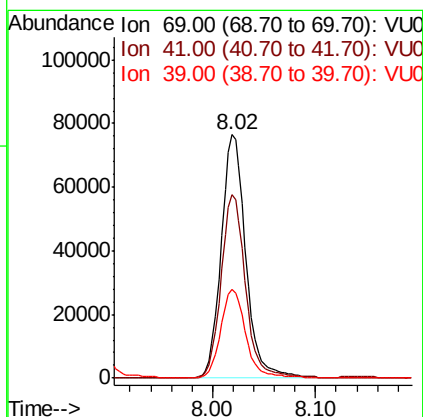
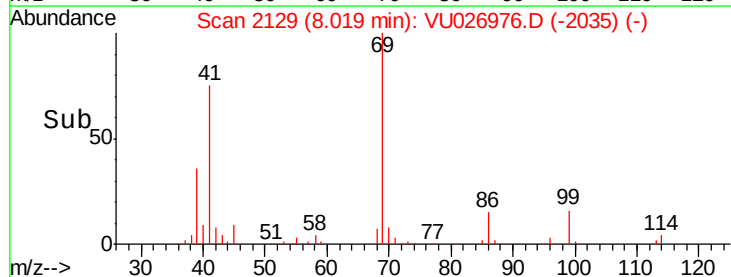
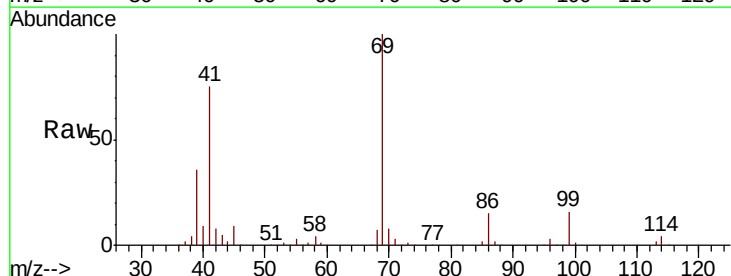
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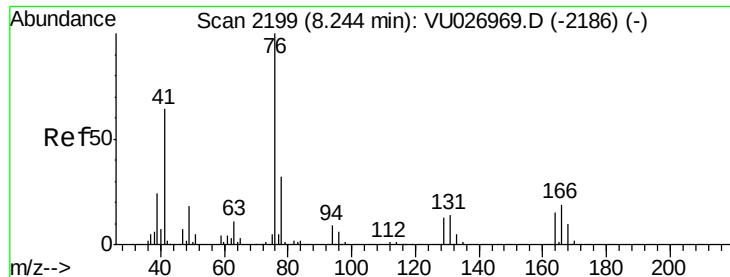
MMDadoda
 9/24/2018 2:14:14 PM



#56
 Ethyl methacrylate
 Concen: 56.331 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	75.1	59.0	88.4	
39	36.6	30.2	45.4	





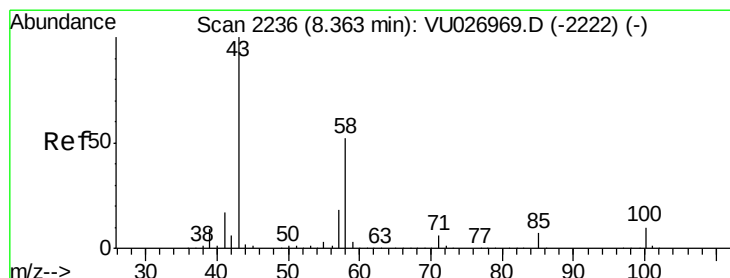
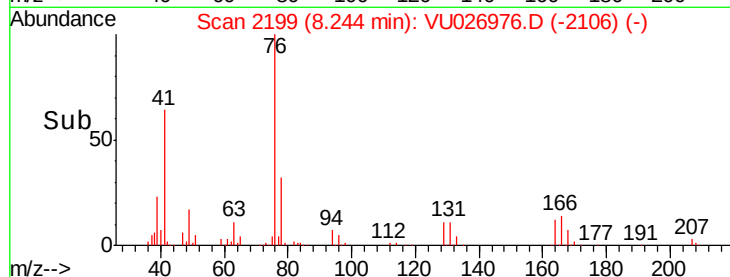
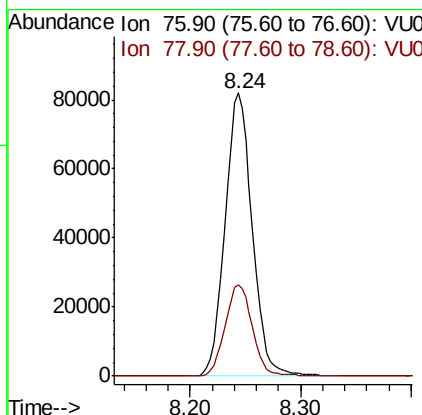
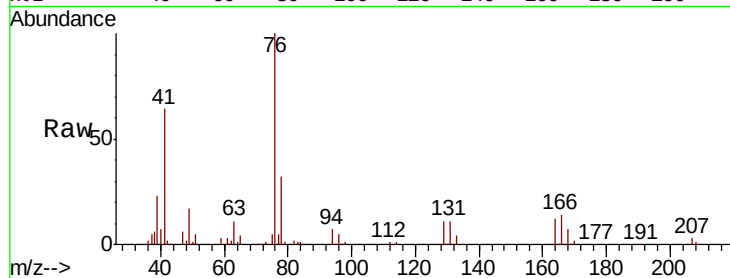
#57
 1,3-Dichloropropane
 Concen: 58.019 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion: 76 Resp: 139769
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

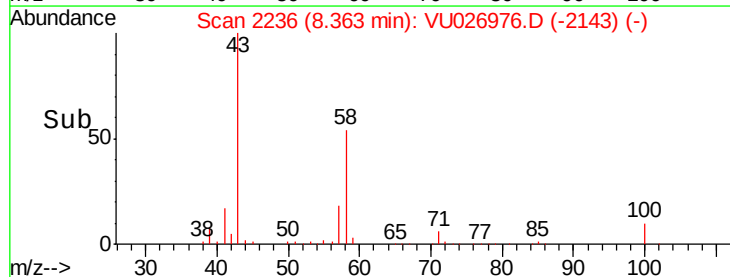
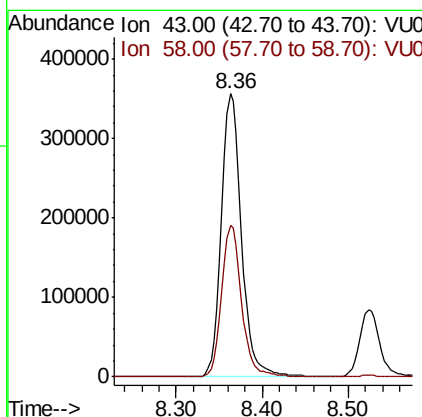
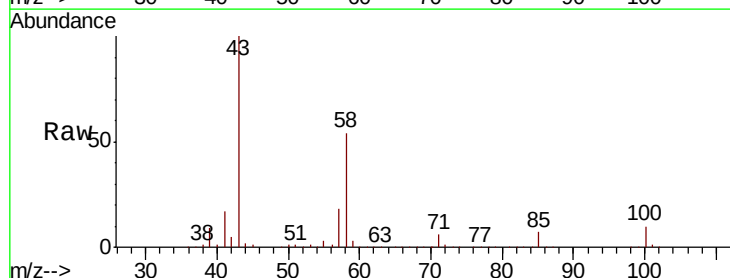
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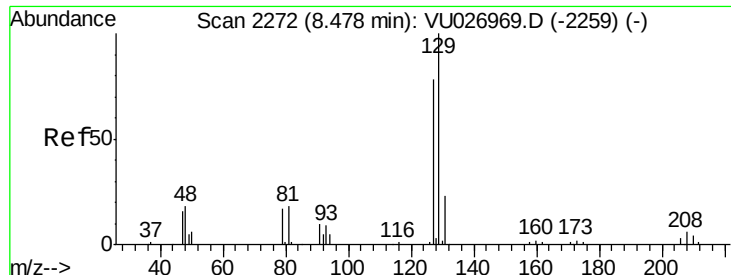
MMDadoda
 9/24/2018 2:14:14 PM



#59
 2-Hexanone
 Concen: 319.293 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion: 43 Resp: 582166
 Ion Ratio Lower Upper
 43 100
 58 53.2 26.1 78.2





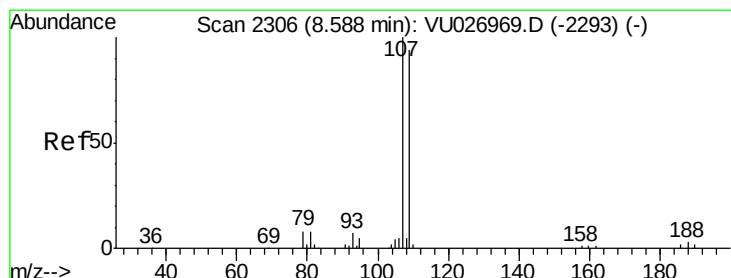
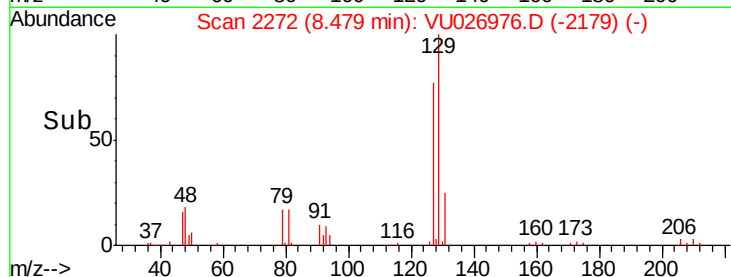
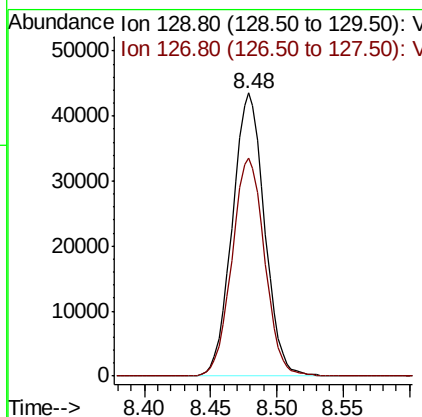
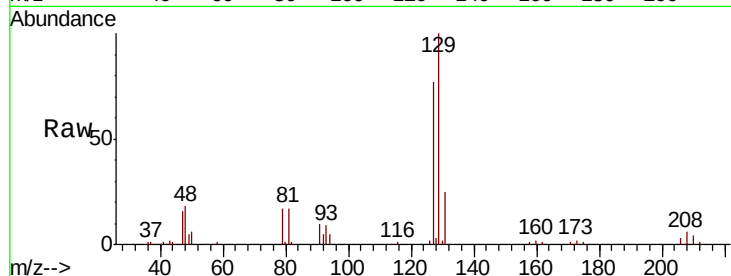
#60
 Dibromochloromethane
 Concen: 57.769 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.1	114.5

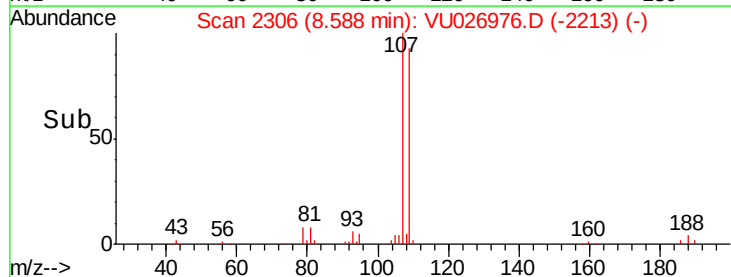
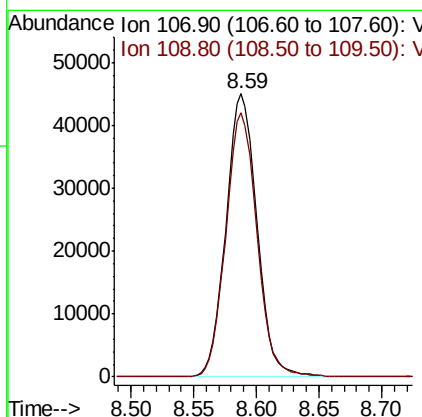
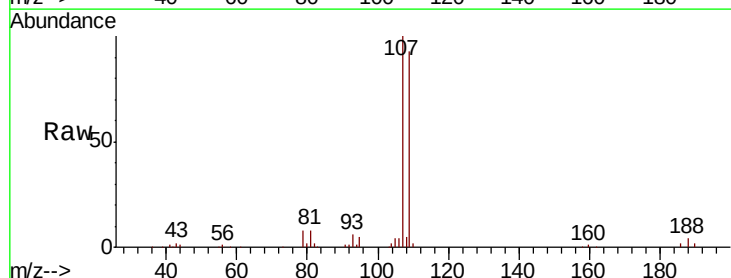
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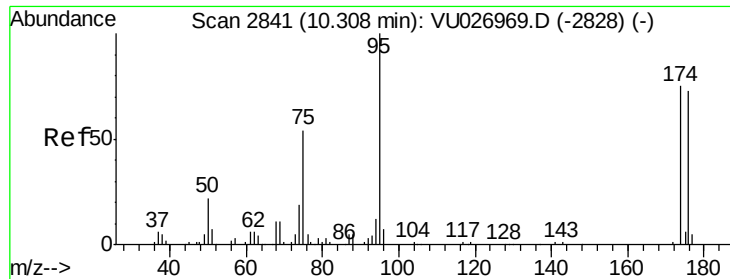
MMDadoda
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#61
 1,2-Dibromoethane
 Concen: 57.259 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6





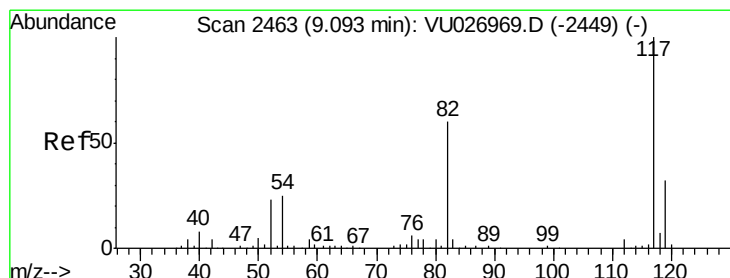
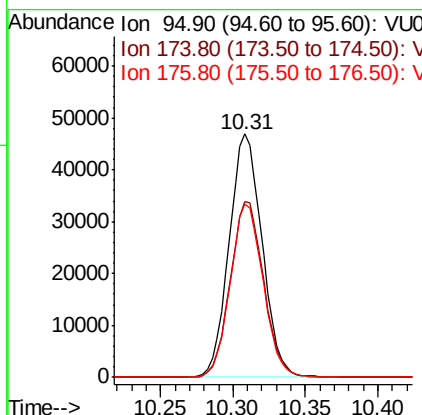
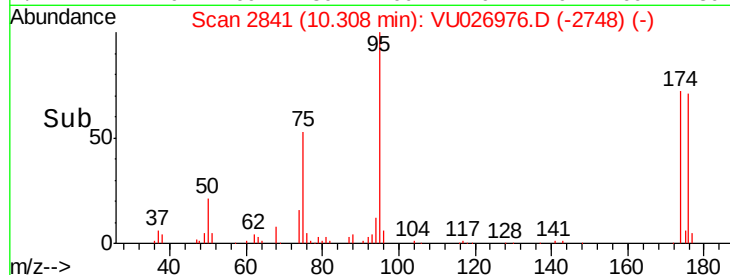
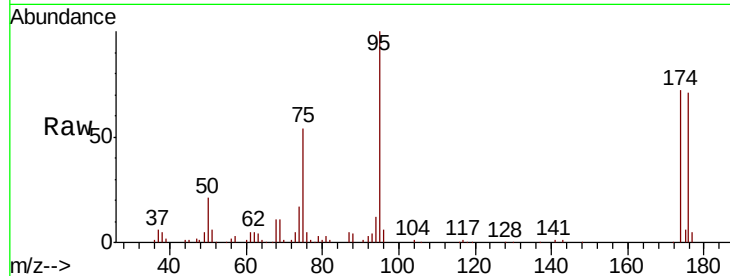
#62
 4-Bromofluorobenzene
 Concen: 49.519 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	95	174	176
Resp	73778		
Ratio	100	73.5	71.1
Lower		0.0	0.0
Upper		150.2	145.2

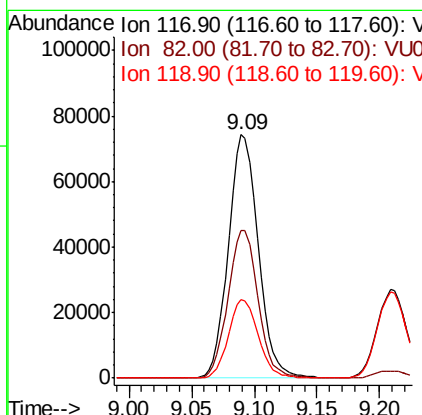
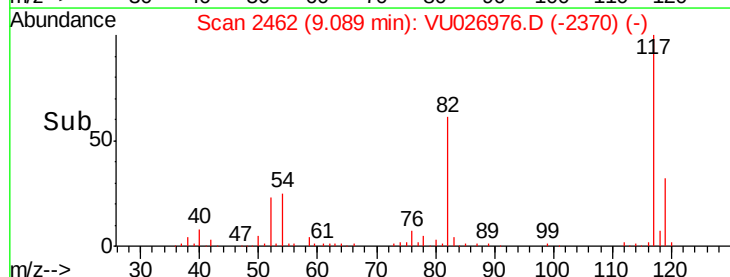
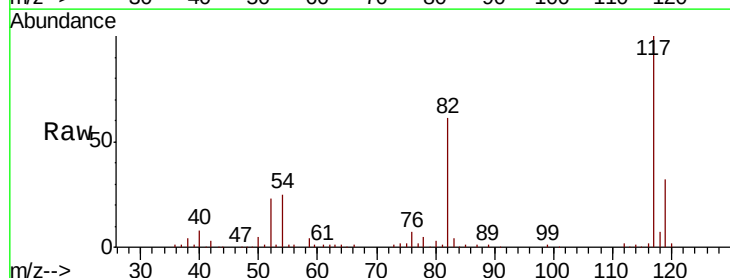
Manual Integrations
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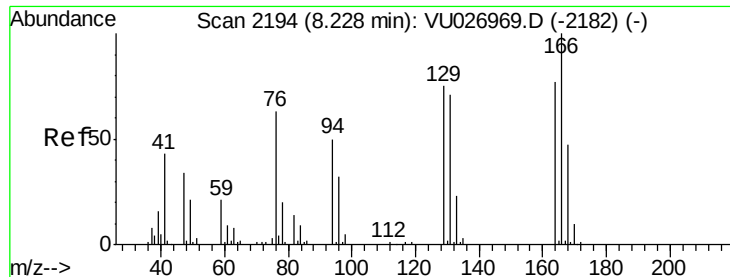
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 9/24/2018 2:14:14 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	117	82	119
Resp	123405		
Ratio	100	60.9	32.3
Lower		48.0	25.8
Upper		72.0	38.8





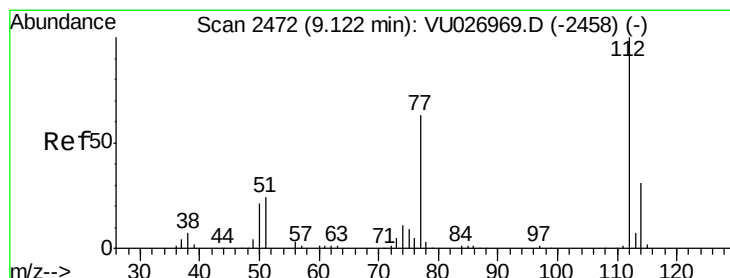
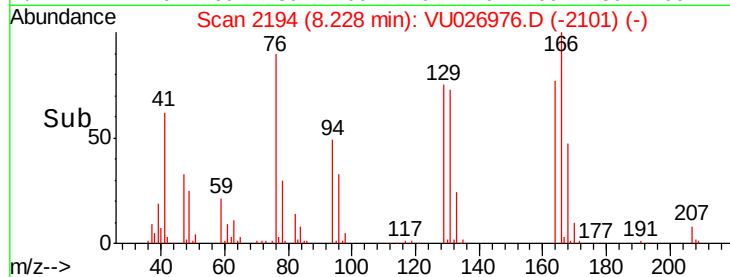
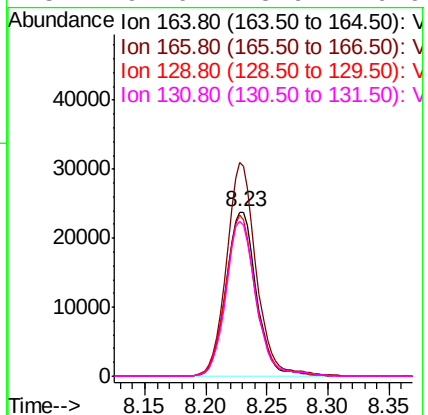
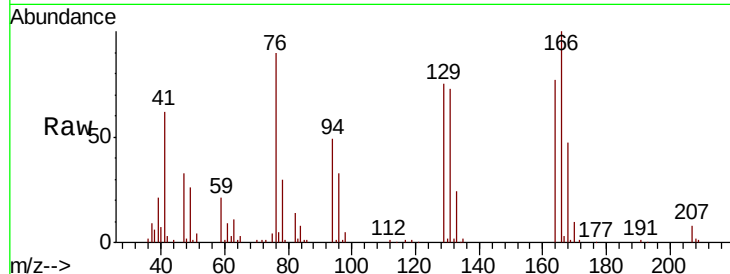
#64
Tetrachloroethene
Concen: 44.087 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.4	156.6
129	98.0	78.7	118.1
131	94.6	73.9	110.9

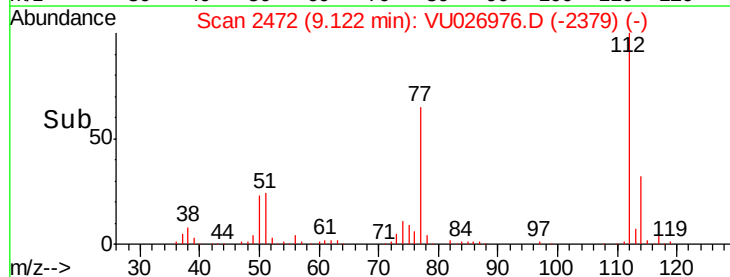
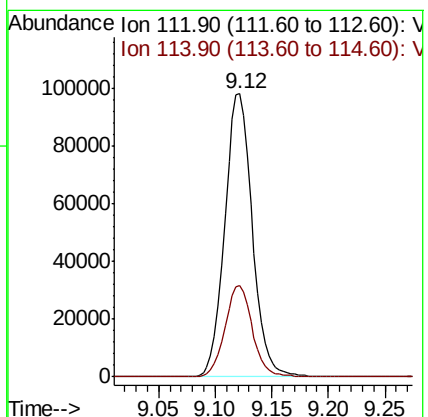
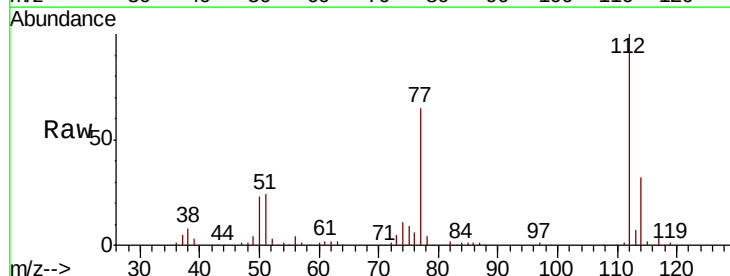
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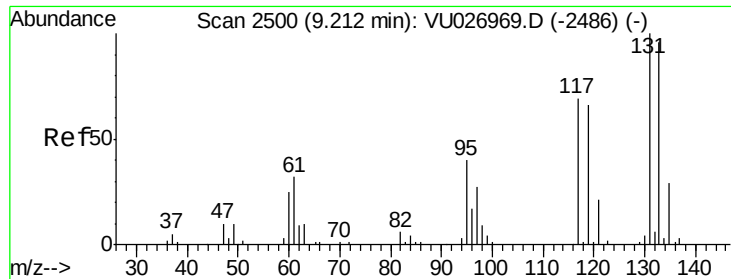
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#65
Chlorobenzene
Concen: 50.928 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.0	37.6





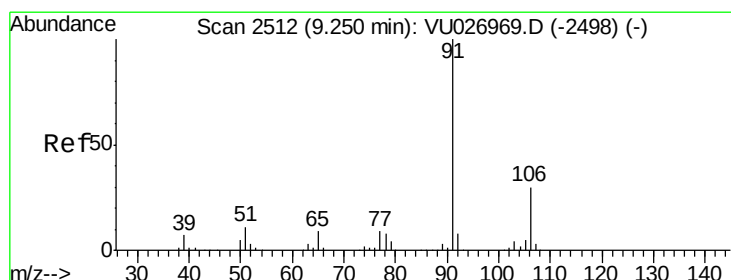
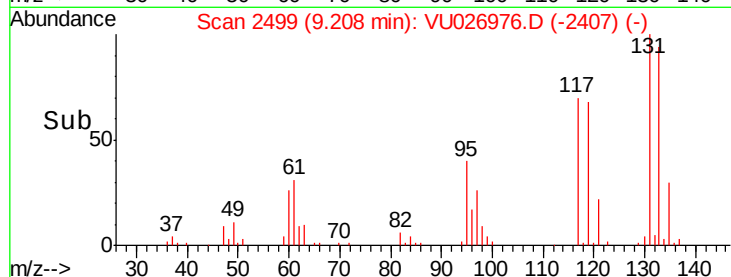
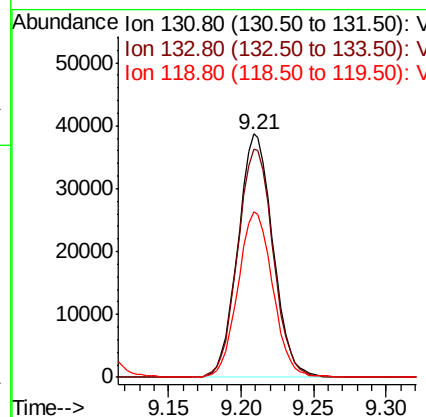
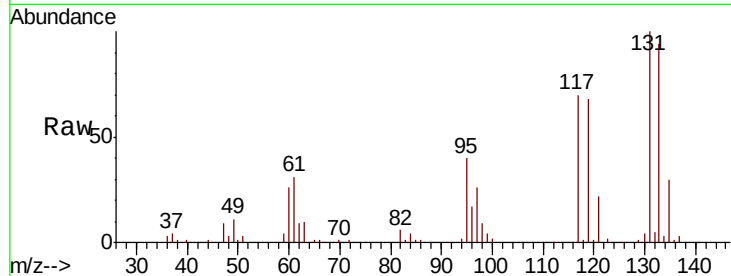
#66
 1,1,1,2-Tetrachloroethane
 Concen: 57.574 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.0	144.2
119	67.7	33.4	100.1

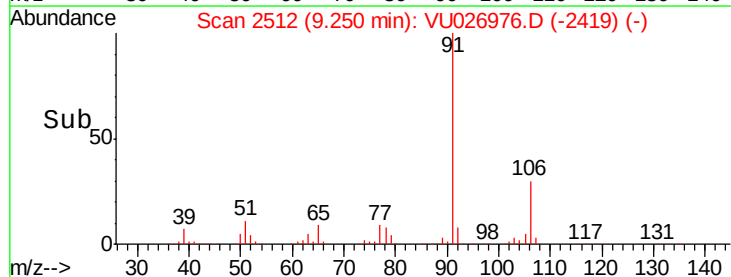
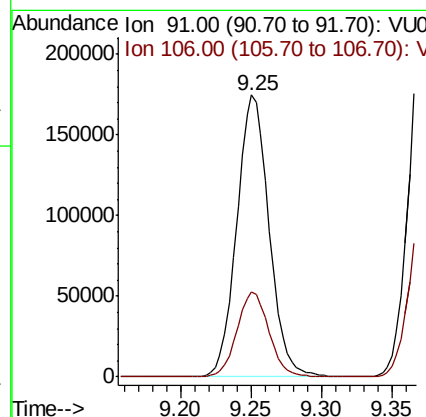
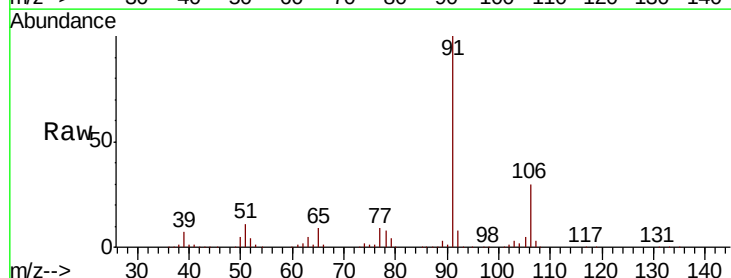
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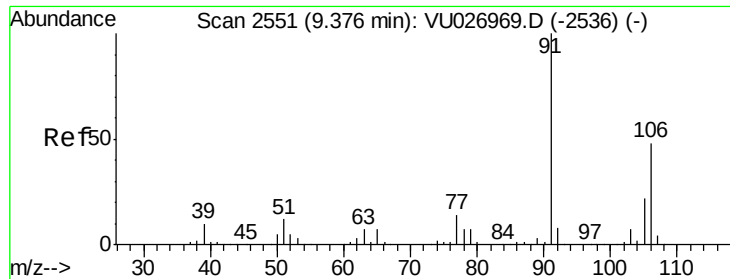
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#67
 Ethyl Benzene
 Concen: 52.110 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.8	35.8





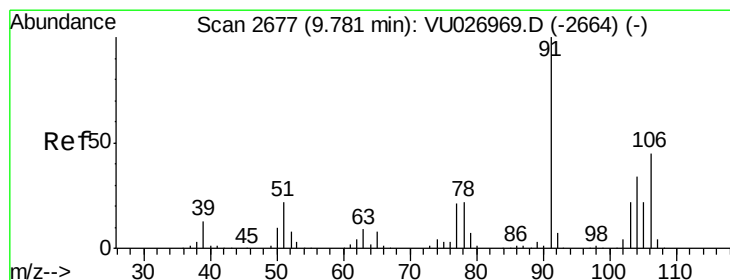
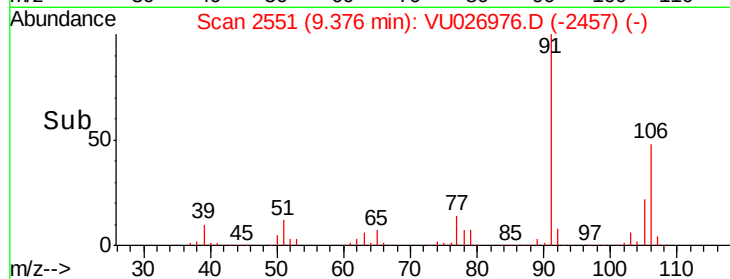
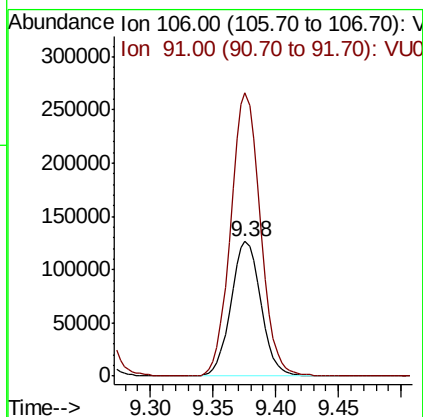
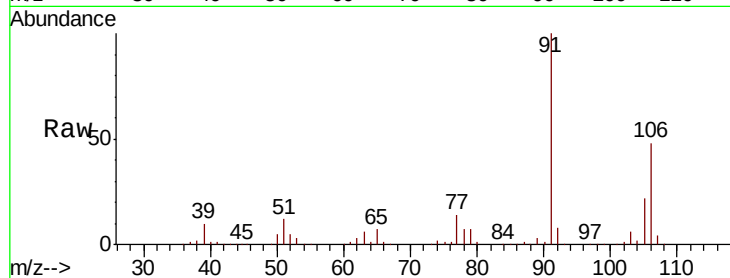
#68
m/p-Xylenes
Concen: 96.364 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion:106 Resp: 209863
Ion Ratio Lower Upper
106 100
91 208.5 166.5 249.7

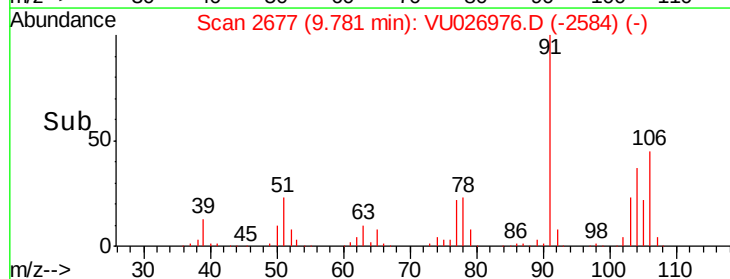
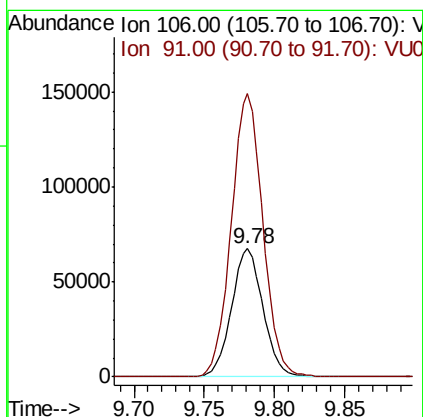
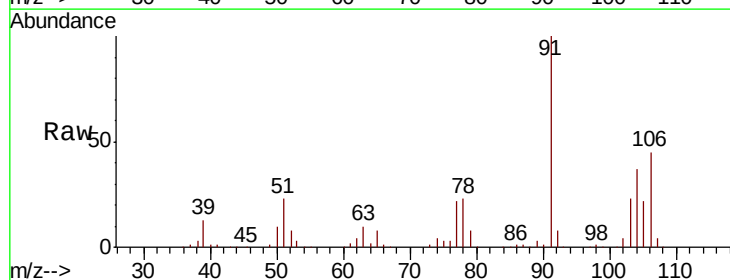
Manual Integrations
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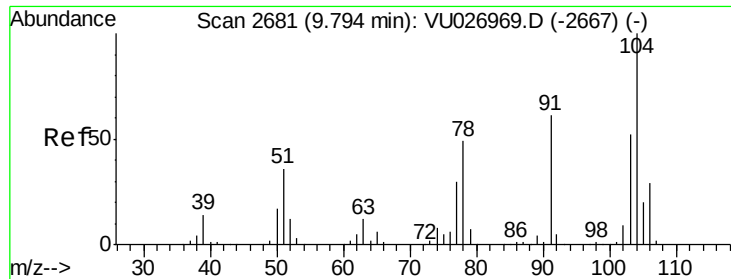
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9/24/2018 2:14:14 PM



#69
o-Xylene
Concen: 55.359 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion:106 Resp: 105537
Ion Ratio Lower Upper
106 100
91 221.0 110.2 330.6





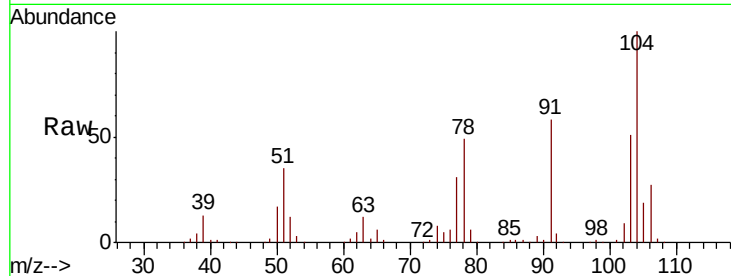
#70
Stvrene
Concen: 50.657 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

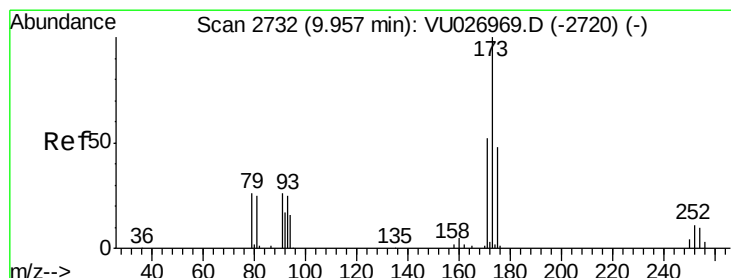
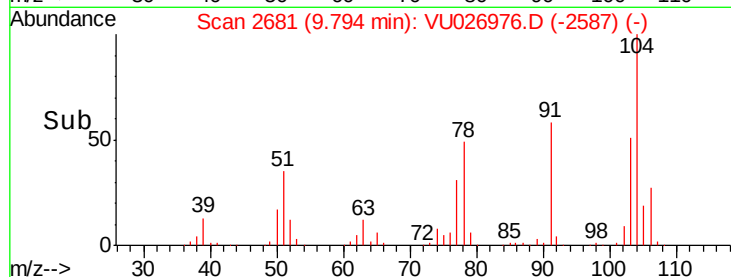
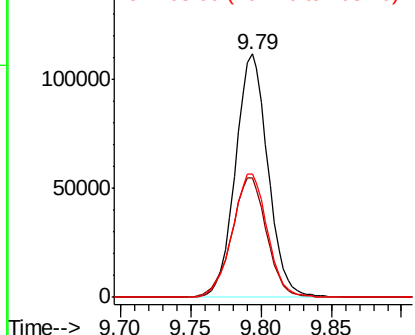
Tot Ion	Ratio	Resp	Lower	Upper
104	100	180405		
78	53.0	43.0	64.4	
103	54.7	44.1	66.1	

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9/24/2018 2:14:14 PM

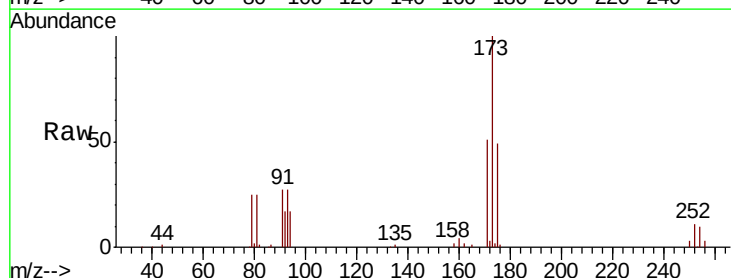


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

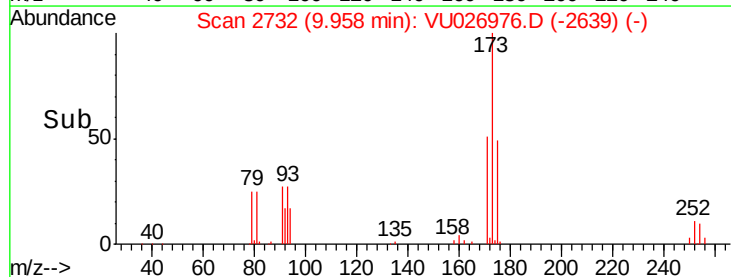
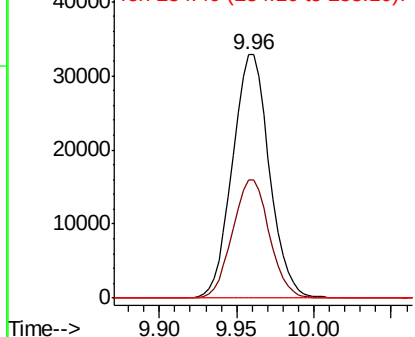


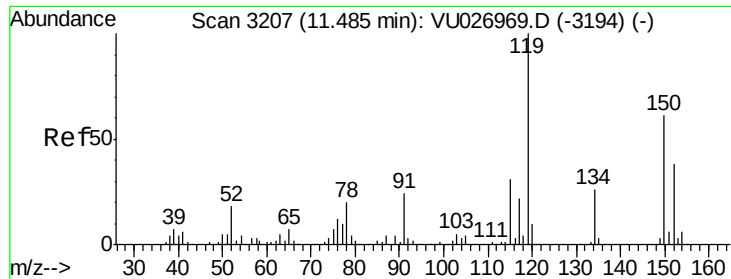
#71
Bromoform
Concen: 62.437 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	54416		
175	48.6	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

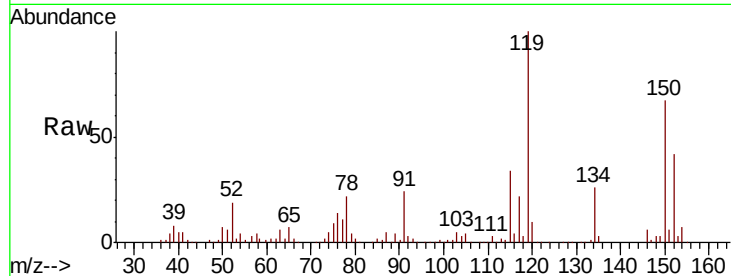
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

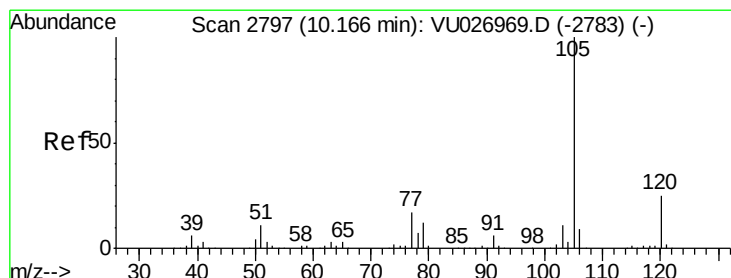
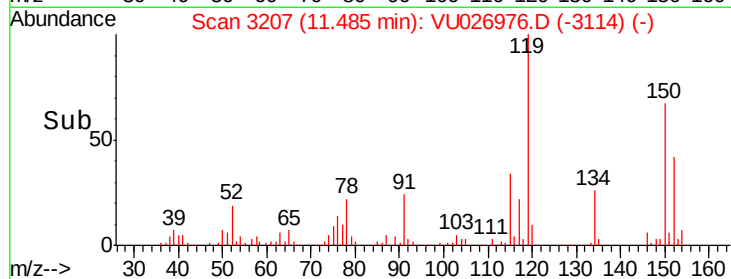
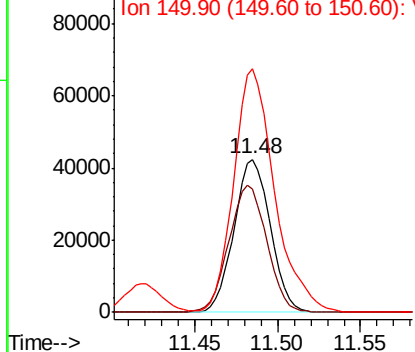
Tot Ion	Ratio	Lower	Upper
152	100		
115	86.4	44.9	134.5
150	178.8	0.0	355.8

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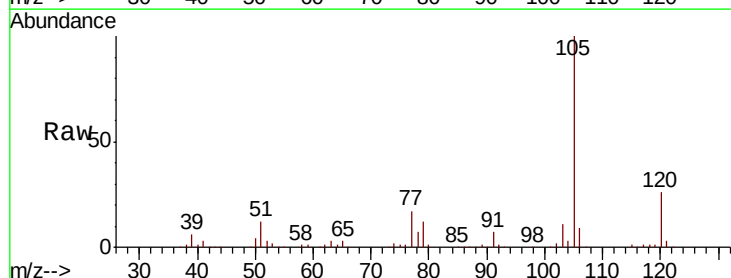
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



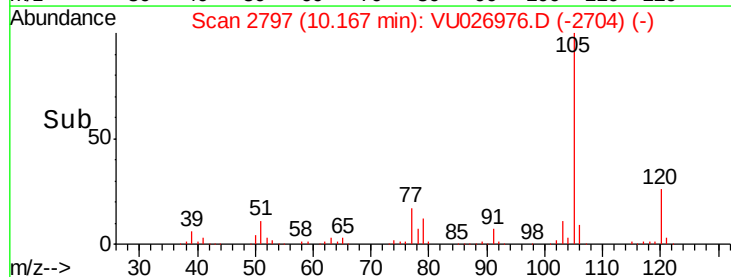
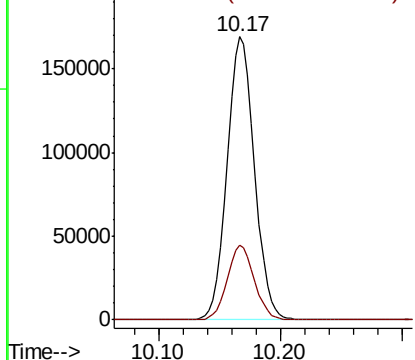
#73

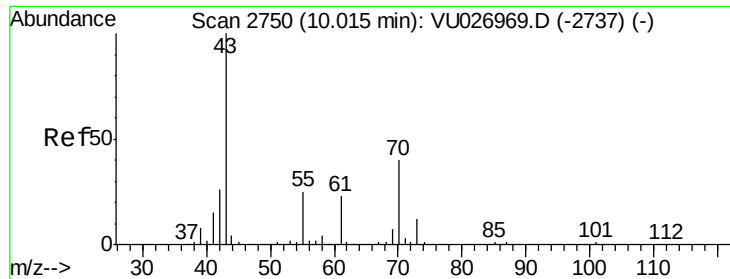
Isopropylbenzene
Concen: 53.872 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





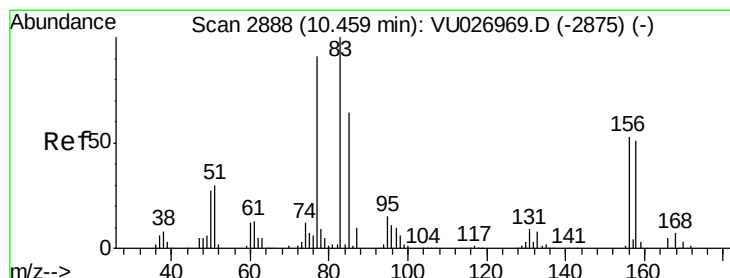
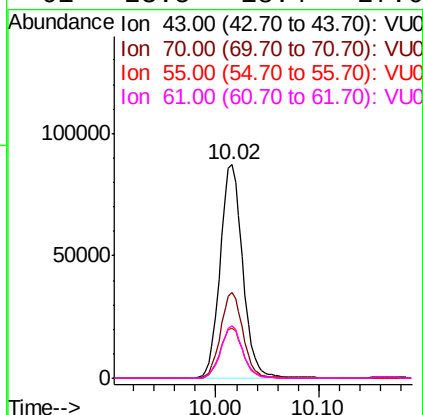
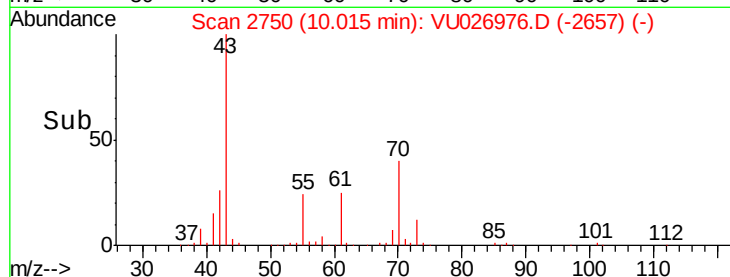
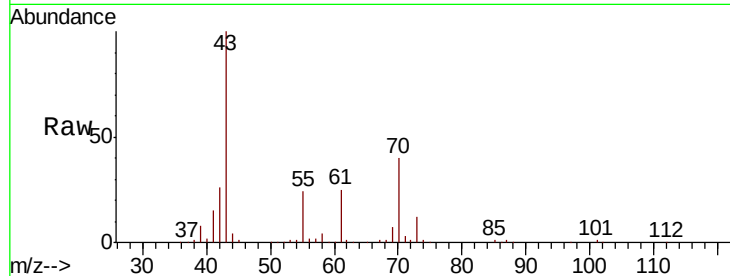
#74
N-amvl acetate
Concen: 46.711 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.8	31.8	47.8
55	24.0	19.9	29.9
61	23.5	18.4	27.6

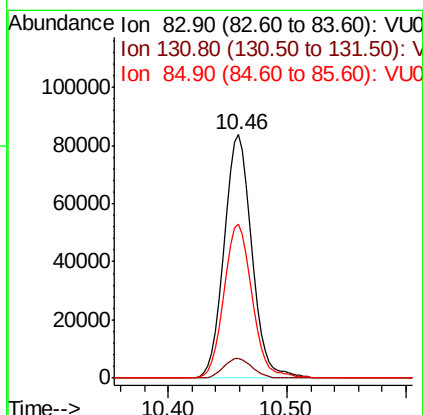
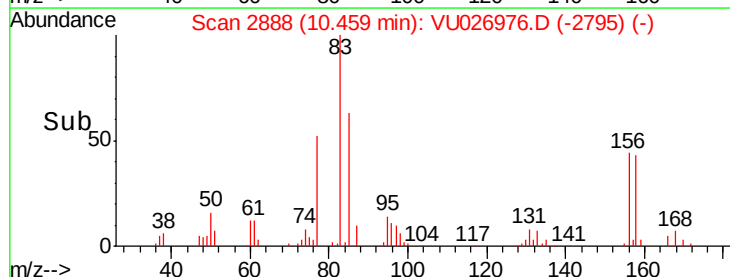
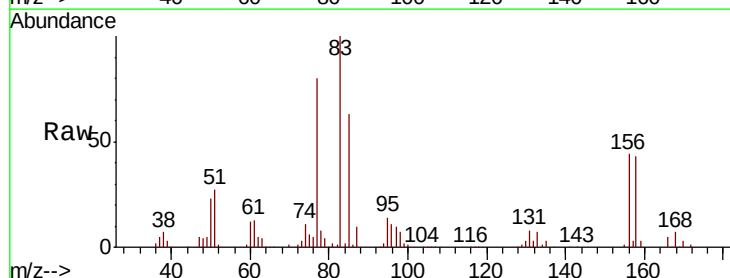
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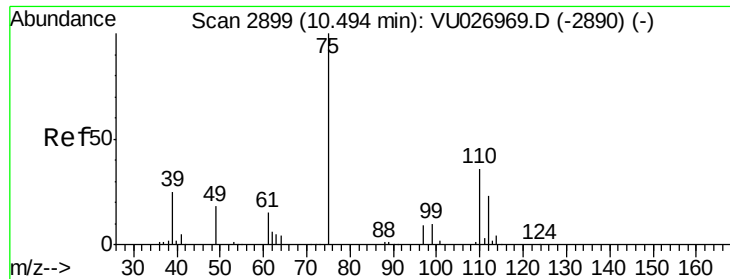
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9/24/2018 2:14:14 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 59.852 ug/l
RT: 10.46 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.3	12.8
85	64.3	31.9	95.7





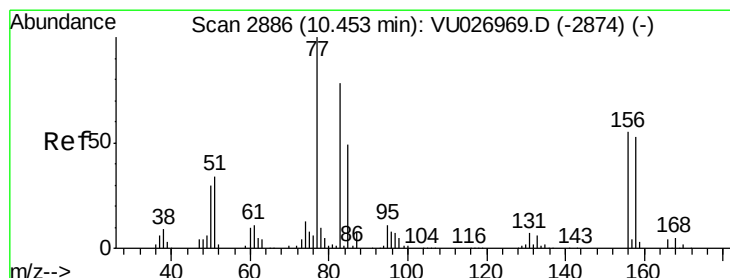
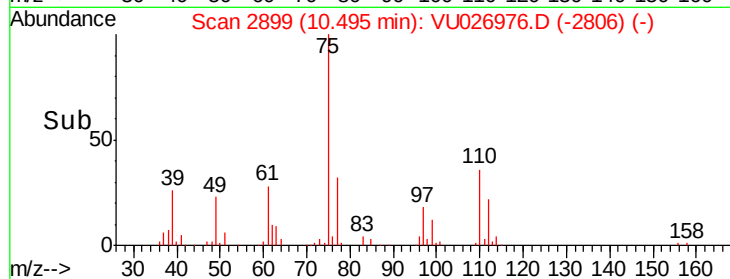
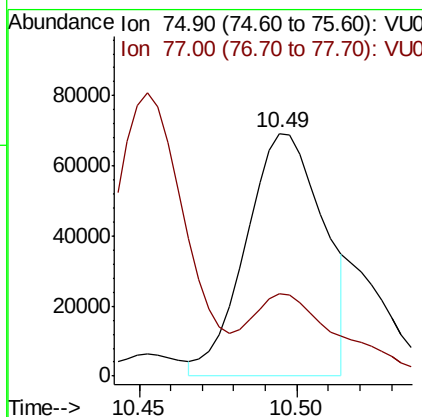
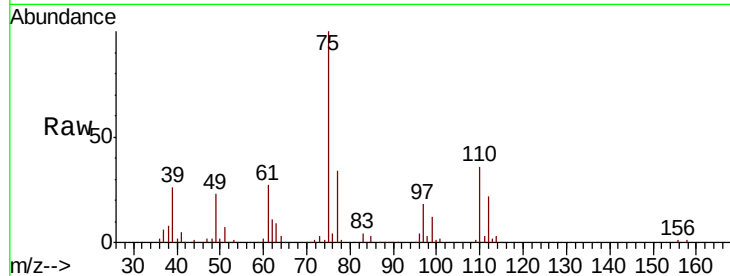
#76
1,2,3-Trichloropropane
Concen: 60.297 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion: 75 Resp: 118600
Ion Ratio Lower Upper
75 100
77 40.2 20.9 62.8

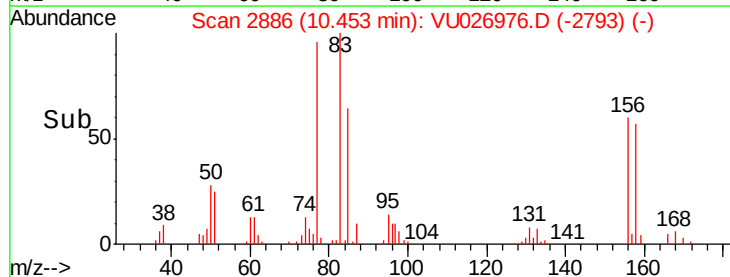
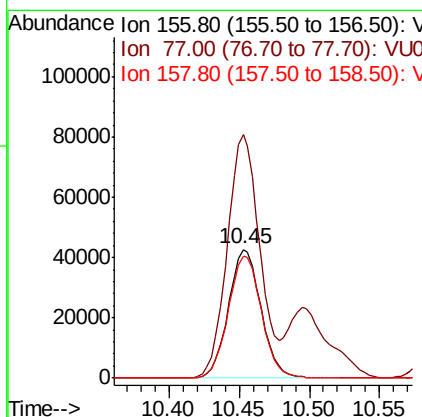
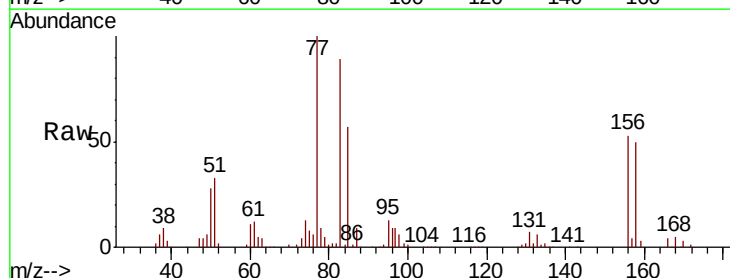
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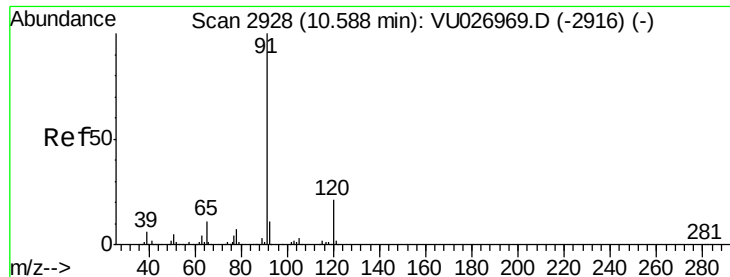
MMDadoda
9/24/2018 2:14:14 PM



#77
Bromobenzene
Concen: 57.262 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion: 156 Resp: 68917
Ion Ratio Lower Upper
156 100
77 188.4 92.3 276.9
158 96.1 48.1 144.3





#78

n-propylbenzene

Concen: 52.638 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 91 Resp: 306749

Ion Ratio Lower Upper

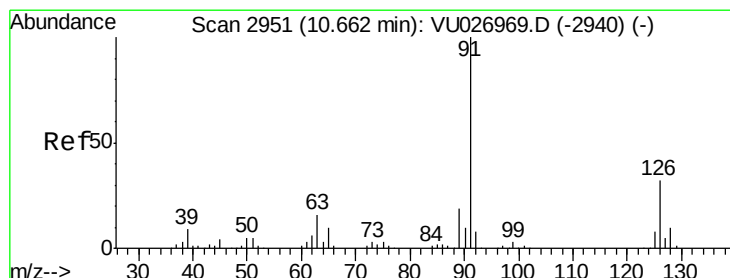
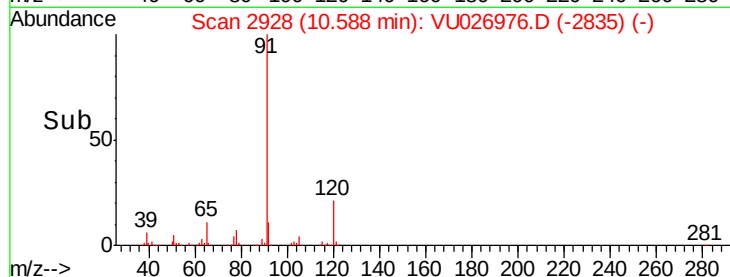
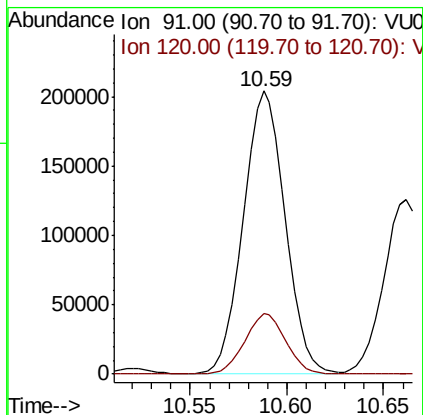
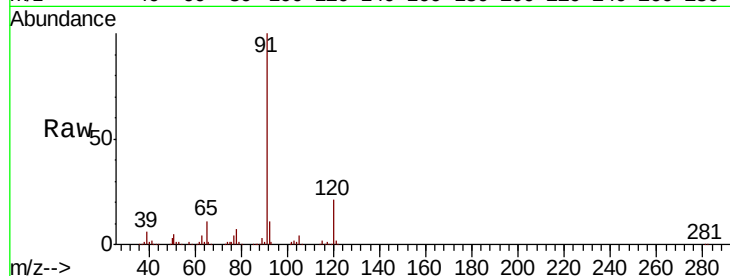
91 100

120 21.0 10.6 31.8

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9/24/2018 2:14:14 PM



#79

2-Chlorotoluene

Concen: 53.830 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026976.D

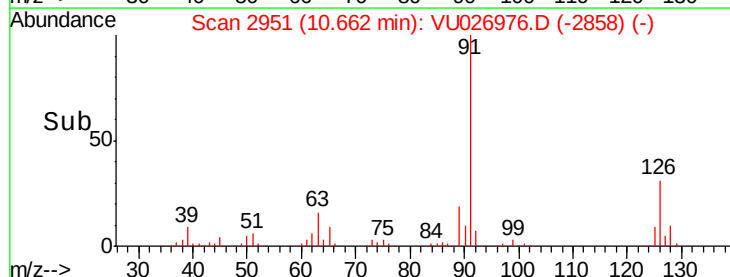
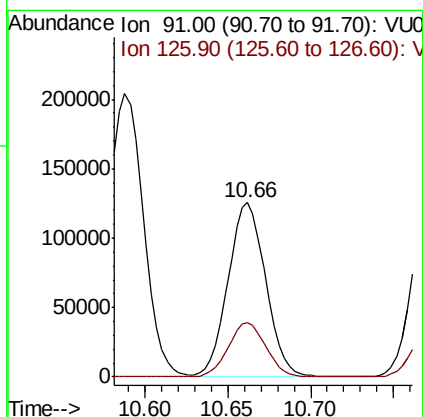
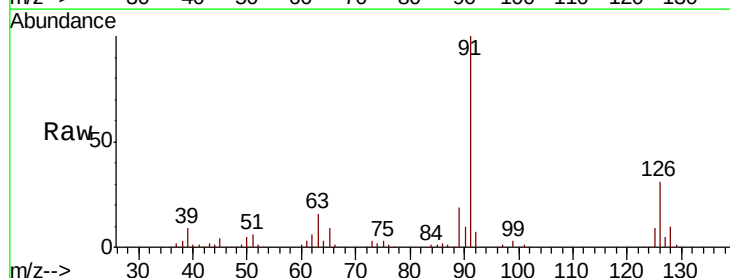
Acq: 21 Sep 2018 18:55

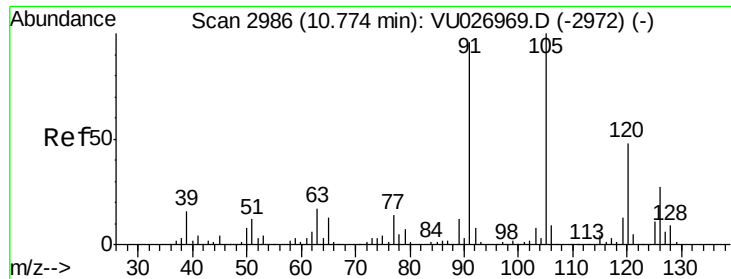
Tgt Ion: 91 Resp: 197039

Ion Ratio Lower Upper

91 100

126 31.4 15.8 47.3





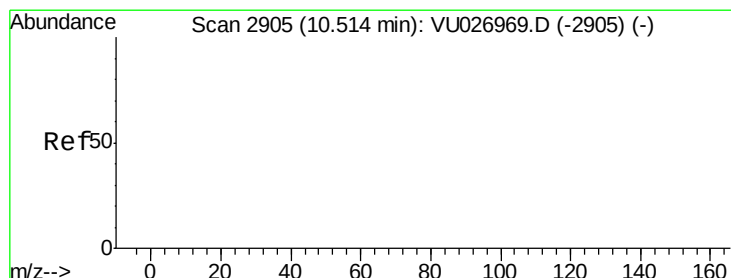
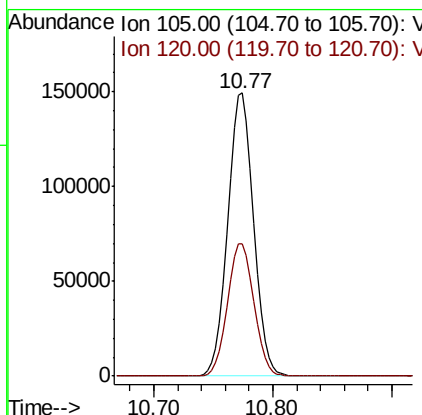
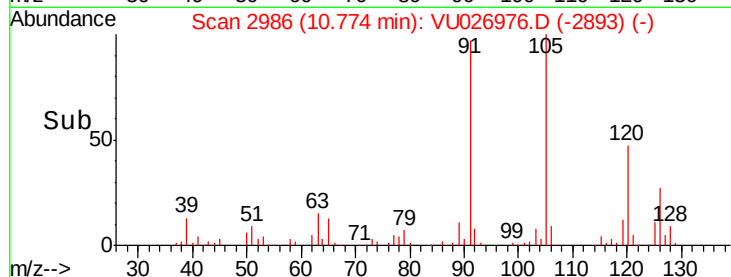
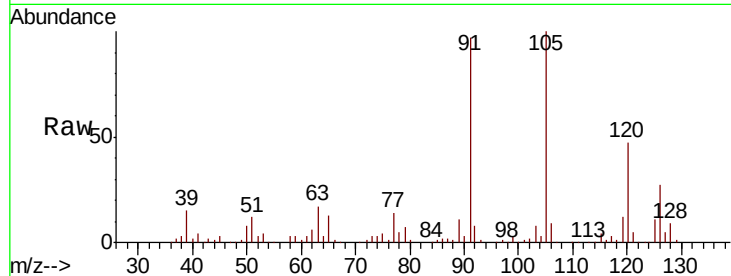
#80
 1,3,5-Trimethylbenzene
 Concen: 55.216 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion:105 Resp: 224482
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.7

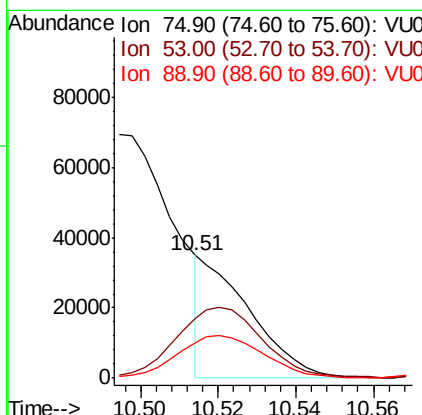
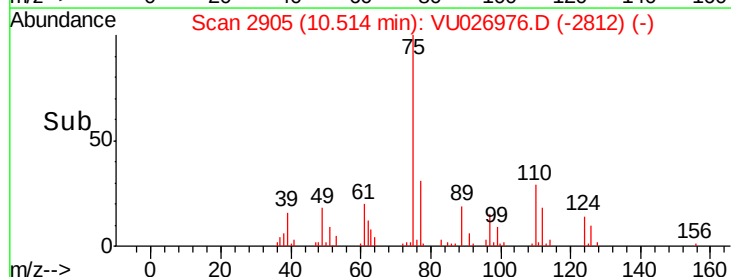
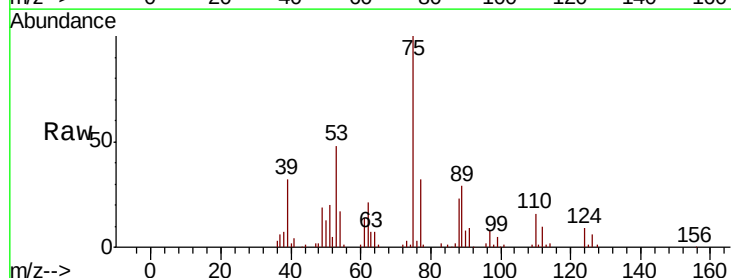
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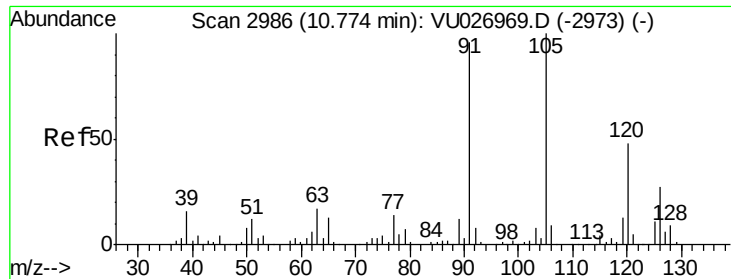
MMDadoda
 9/24/2018 2:14:14 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.486 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion: 75 Resp: 30416
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 54.768 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 91 Resp: 224789

Ion Ratio Lower Upper

91 100

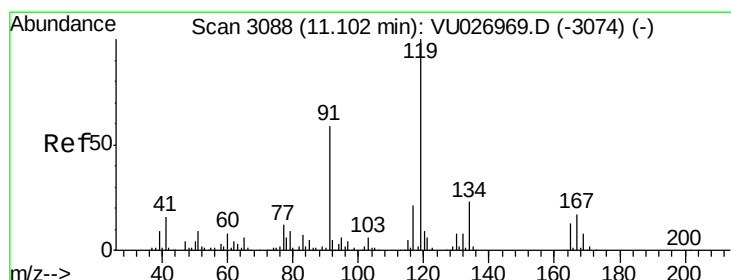
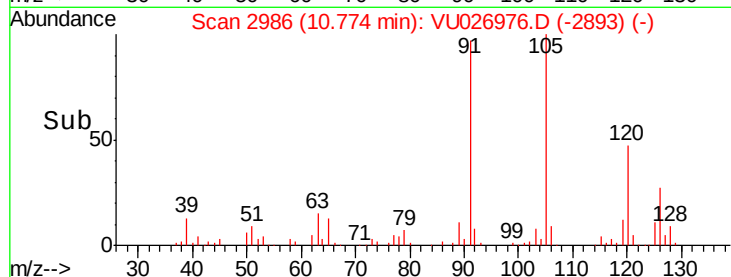
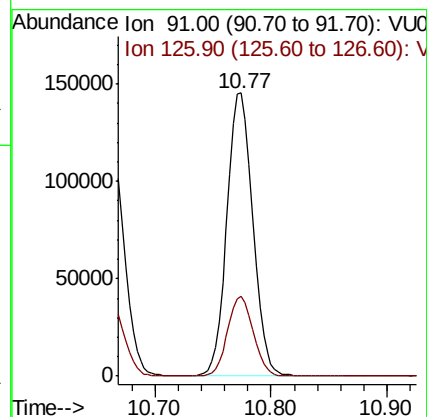
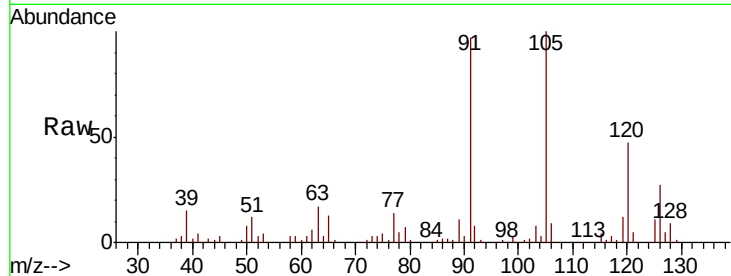
126 28.0 14.1 42.2

Manual Integrations

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9/24/2018 2:14:14 PM



#83

tert-Butylbenzene

Concen: 54.132 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

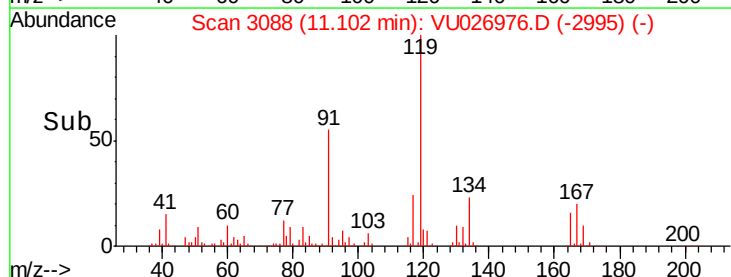
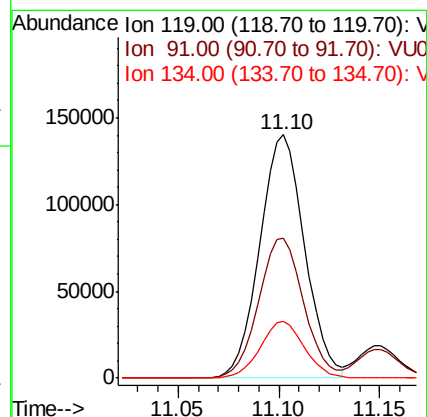
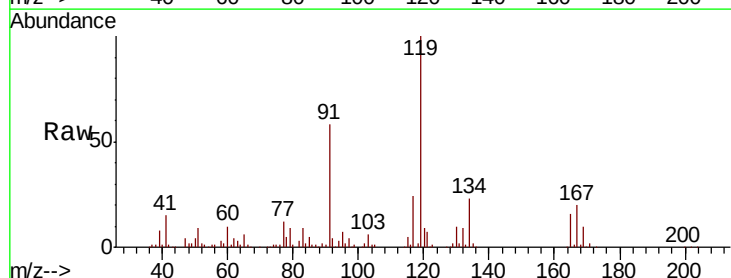
Tgt Ion: 119 Resp: 217578

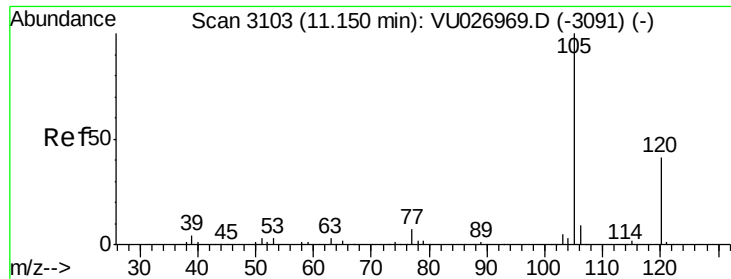
Ion Ratio Lower Upper

119 100

91 57.9 29.8 89.4

134 22.8 11.5 34.4





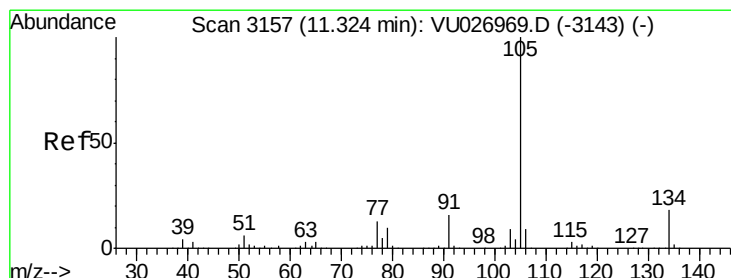
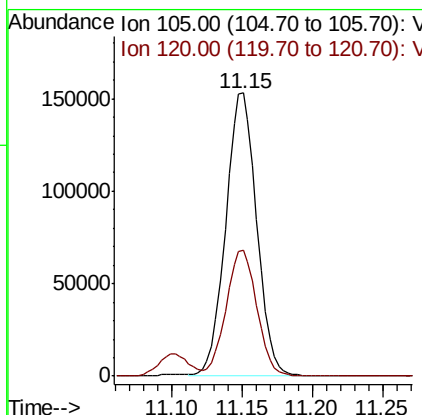
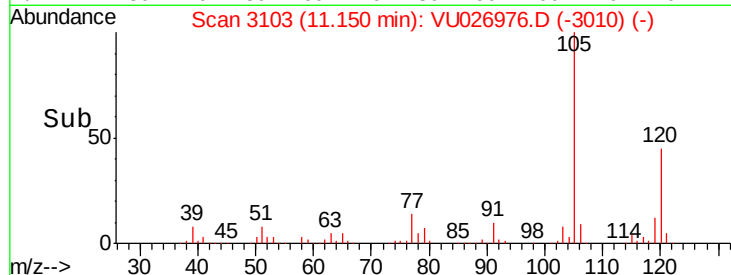
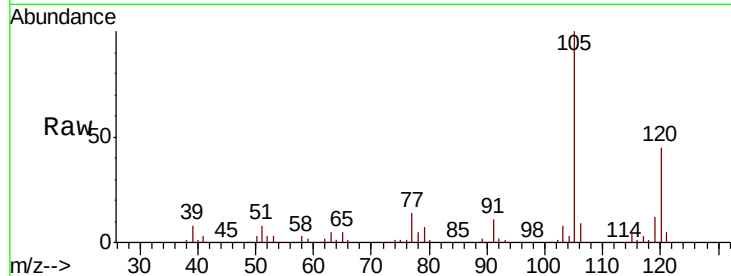
#84
 1,2,4-Trimethylbenzene
 Concen: 56.494 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.2

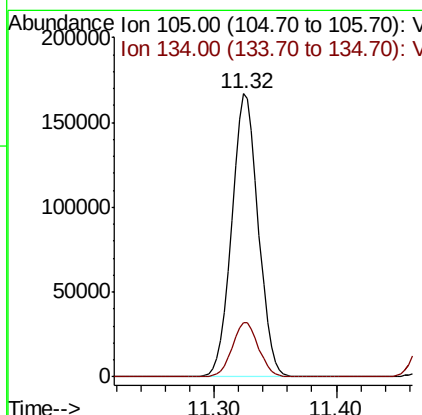
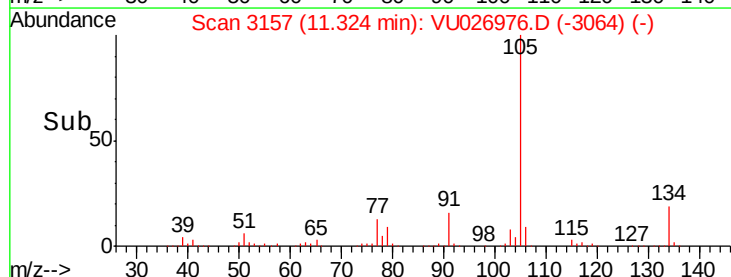
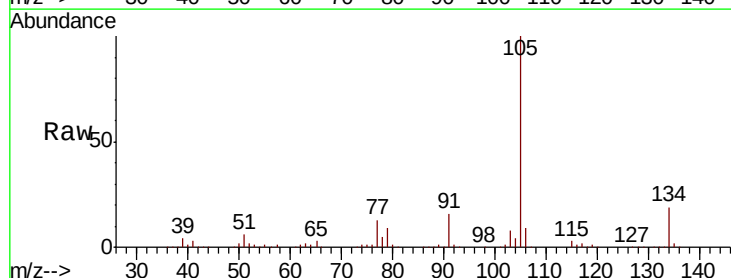
Manual Integrations
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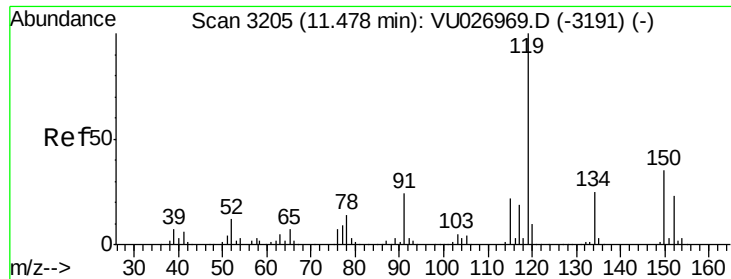
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 51.468 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.4	28.2





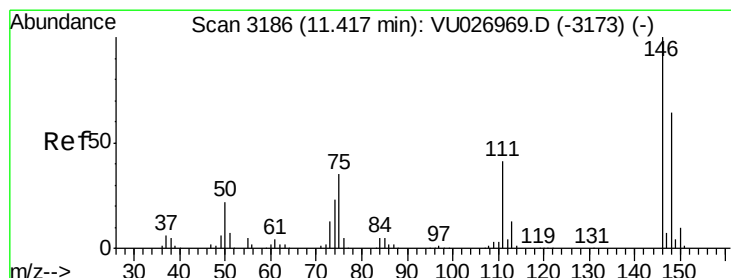
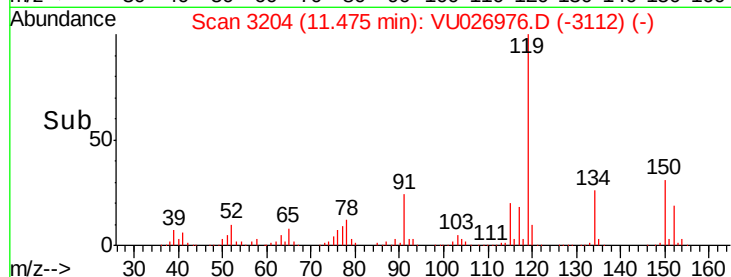
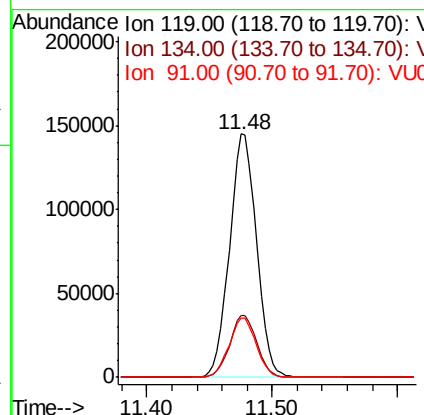
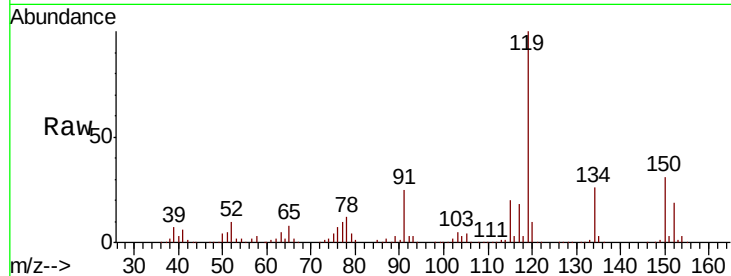
#86
p-Isopropyltoluene
Concen: 47.047 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216346		
134	25.5	12.8	38.3	
91	24.6	12.3	36.8	

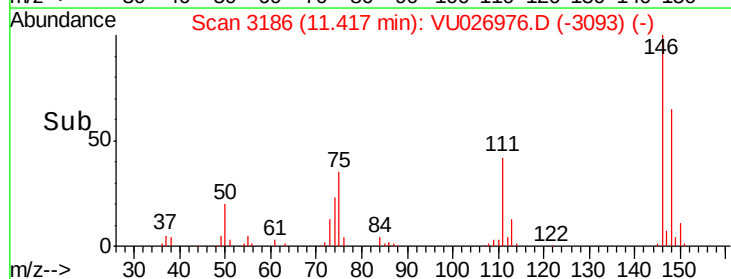
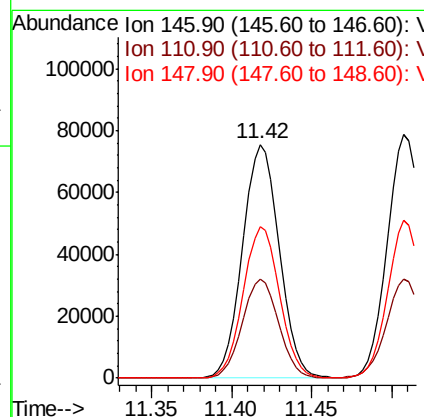
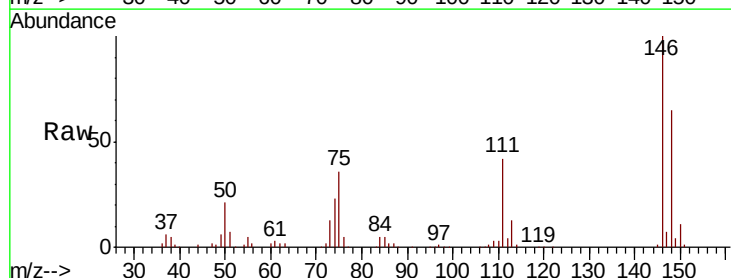
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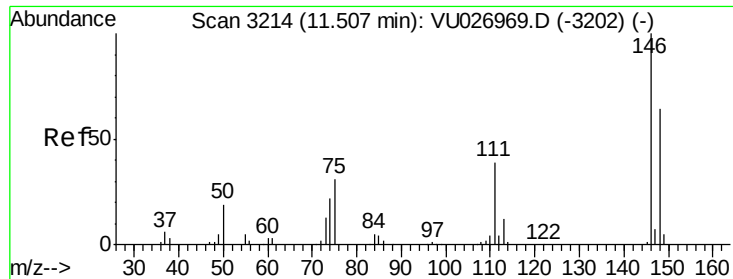
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#87
1,3-Dichlorobenzene
Concen: 52.746 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118132		
111	42.0	20.8	62.2	
148	64.3	32.0	96.2	





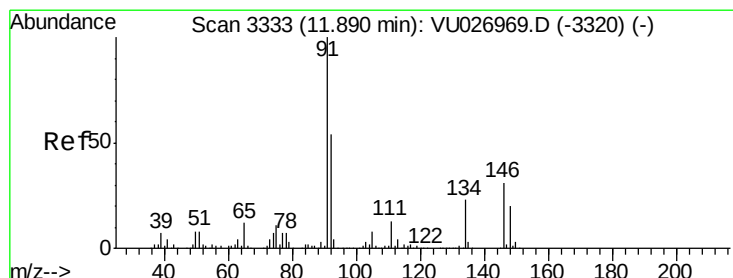
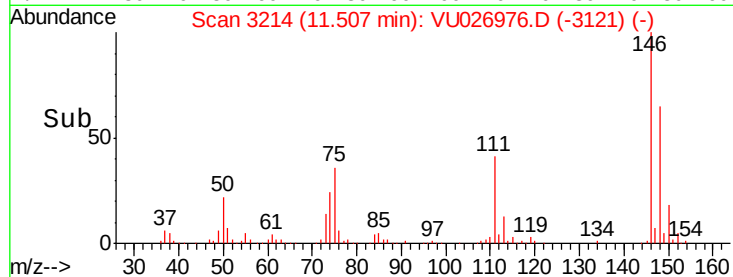
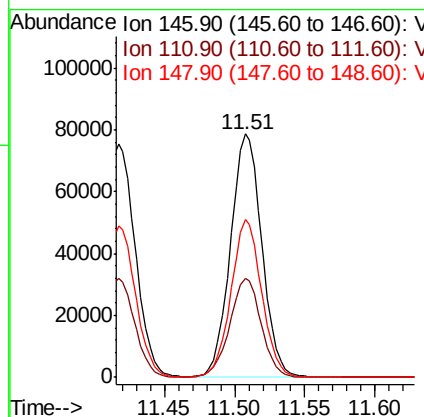
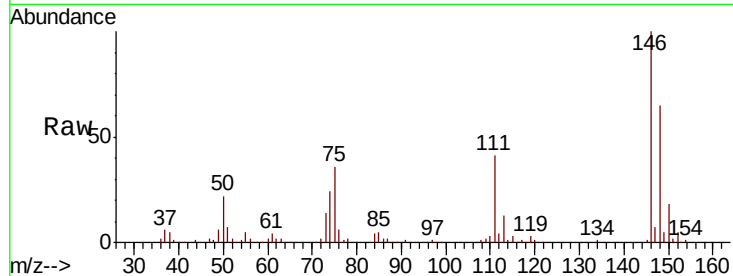
#88
 1,4-Dichlorobenzene
 Concen: 49.986 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122012		
111	41.3	20.3	60.9	
148	63.7	31.9	95.9	

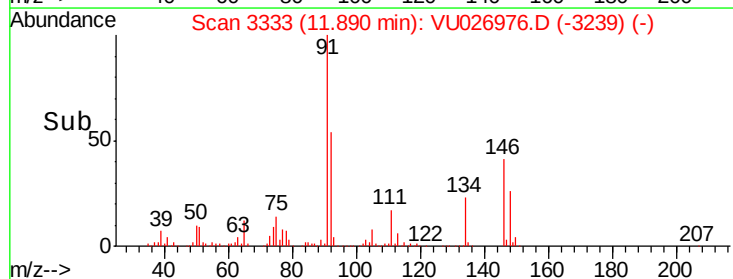
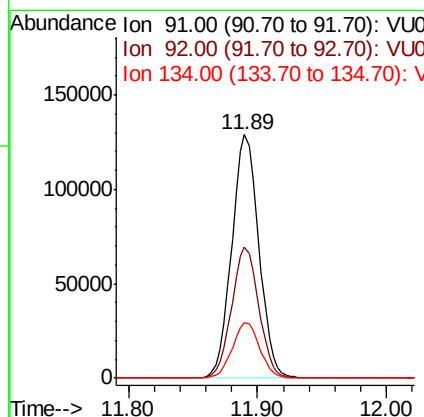
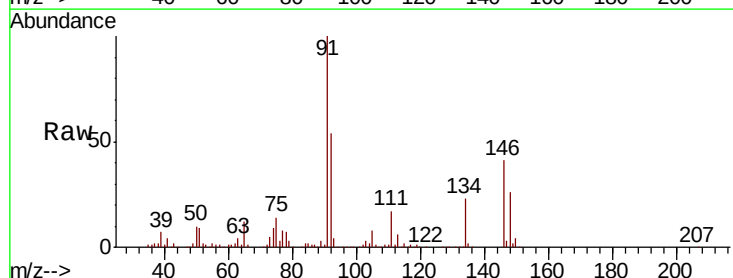
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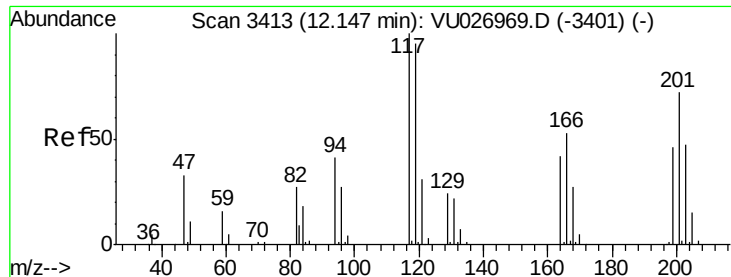
MMDadoda
 9/24/2018 2:14:14 PM



#89
 n-Butylbenzene
 Concen: 42.609 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	188507		
92	53.9	27.1	81.2	
134	23.0	11.7	35.0	





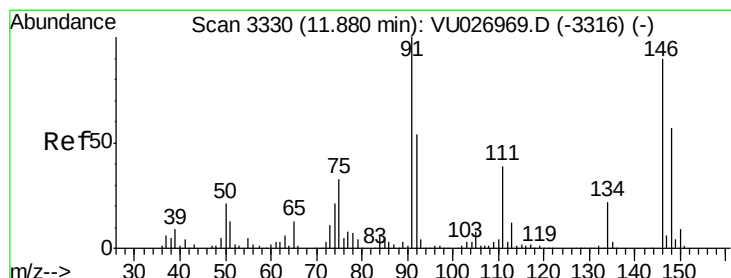
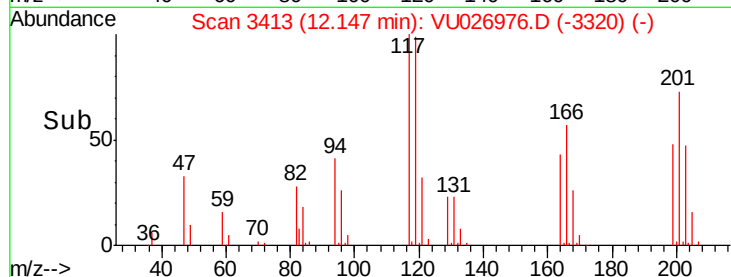
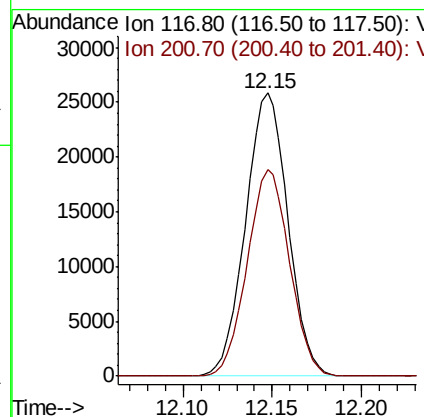
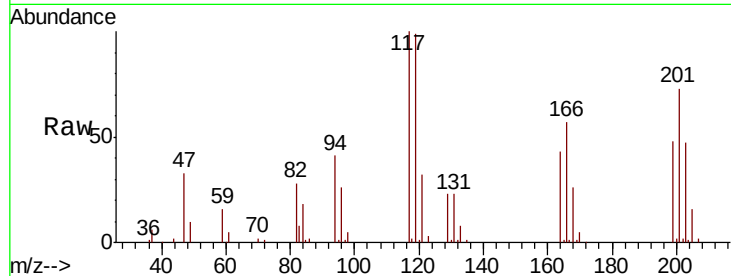
#90
Hexachloroethane
Concen: 48.136 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ139I-20180911MSD

Tot Ion:117 Resp: 42949
Ion Ratio Lower Upper
117 100
201 73.0 36.8 110.3

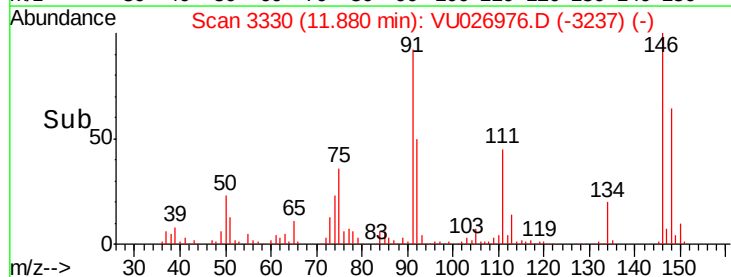
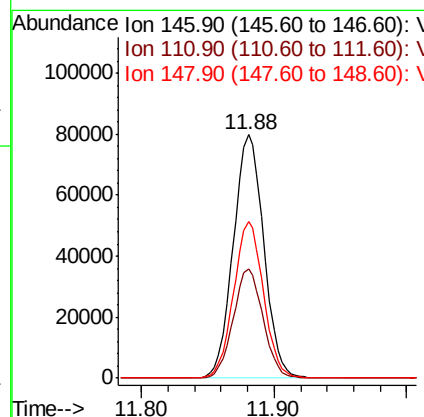
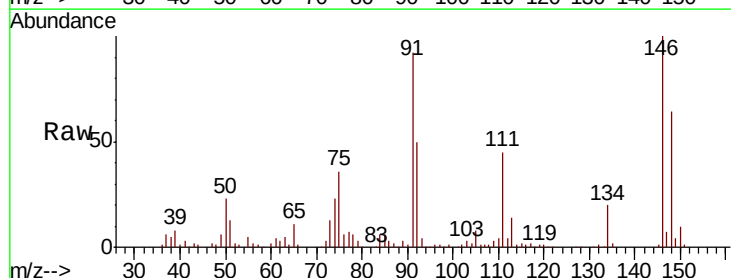
Manual Integrations
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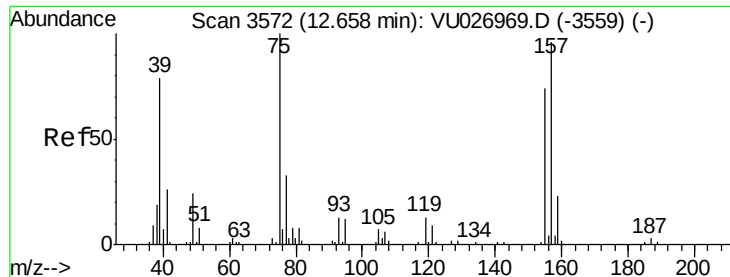
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#91
1,2-Dichlorobenzene
Concen: 53.569 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU026976.D
Acq: 21 Sep 2018 18:55

Tgt Ion:146 Resp: 127444
Ion Ratio Lower Upper
146 100
111 43.9 21.8 65.3
148 63.0 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 65.864 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ139I-20180911MSD

Tot Ion: 75 Resp: 30426

Ion Ratio Lower Upper

75 100

155 76.0 36.6 109.8

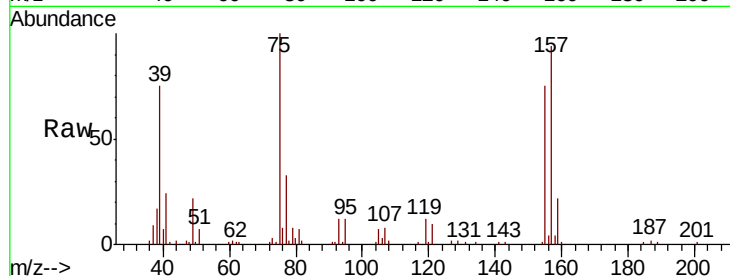
157 96.9 47.4 142.2

Manual Integrations

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9/24/2018 2:14:14 PM



Abundance Ion 74.90 (74.60 to 75.60): VU026976.D (-3479) (-)

Ion 154.80 (154.50 to 155.50): VU026976.D (-3479) (-)

Ion 156.80 (156.50 to 157.50): VU026976.D (-3479) (-)

25000

20000

15000

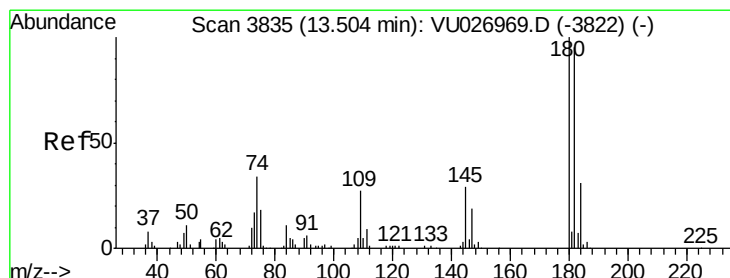
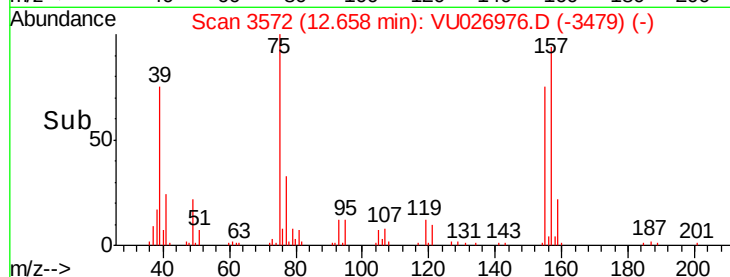
10000

5000

0

12.60 12.65 12.70

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 57.425 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

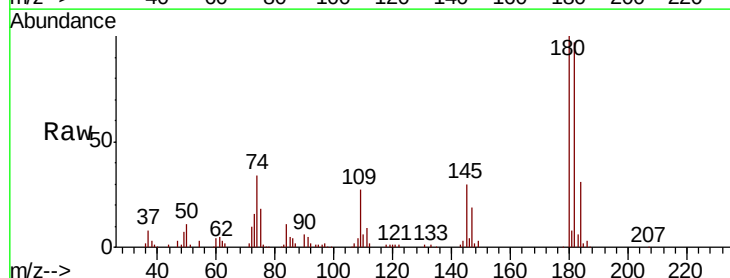
Tgt Ion: 180 Resp: 78728

Ion Ratio Lower Upper

180 100

182 96.0 47.4 142.2

145 29.8 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): VU026976.D (-3742) (-)

Ion 181.80 (181.50 to 182.50): VU026976.D (-3742) (-)

Ion 144.80 (144.50 to 145.50): VU026976.D (-3742) (-)

60000

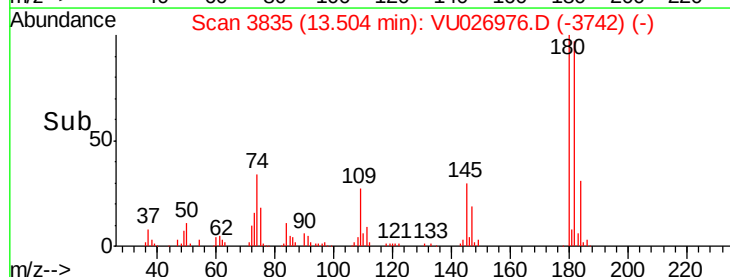
40000

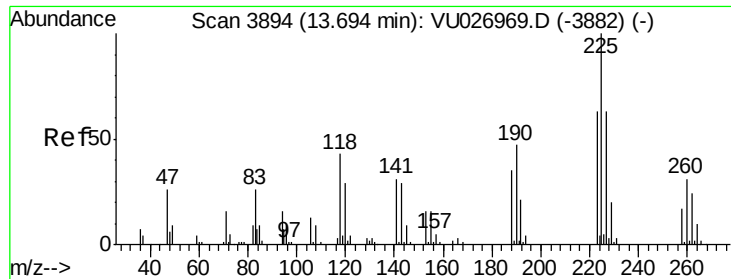
20000

0

13.45 13.50 13.55

Time-->





#94

Hexachlorobutadiene

Concen: 43.005 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. 0.00 min

Lab File: VU026976.D

Acq: 21 Sep 2018 18:55

Instrument :

MSVOA_U

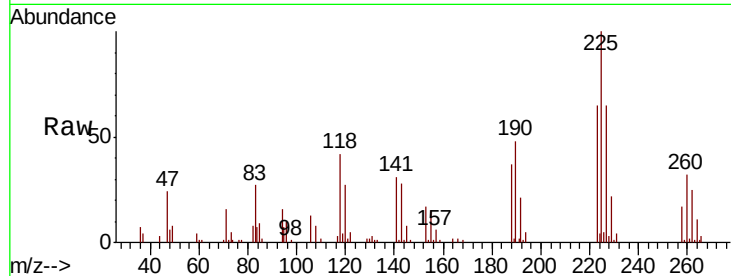
ClientSampleId :

SA-PZ139I-20180911MSD

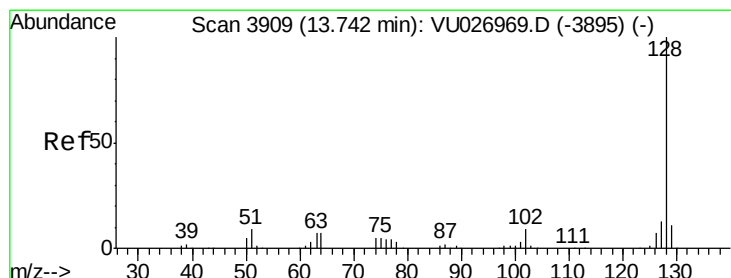
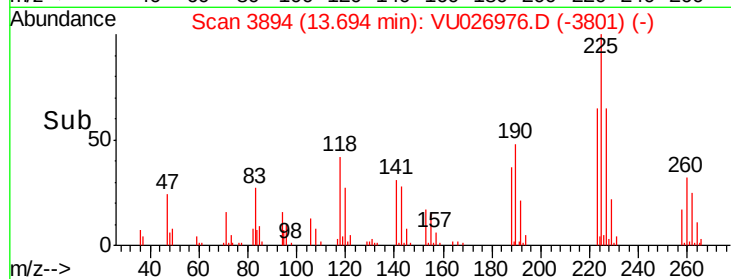
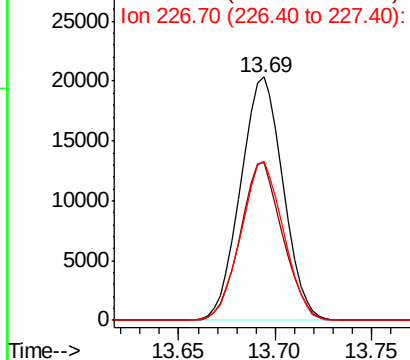
Tot Ion:	225	Resp:	31196
Ion Ratio	Lower	Upper	
225	100		
223	64.5	31.9	95.7
227	65.4	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:14 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: 60.814 ug/l

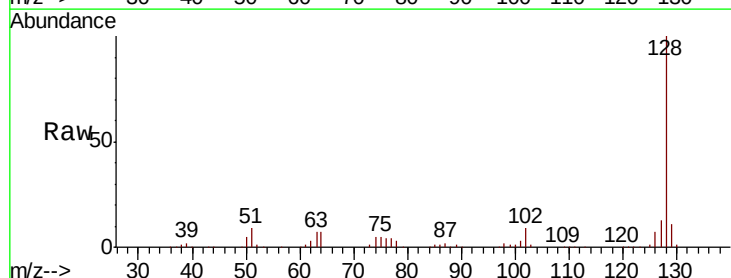
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

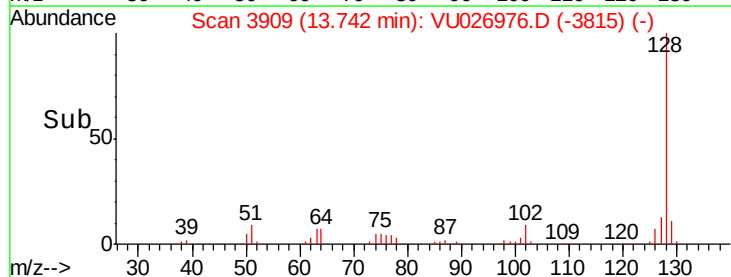
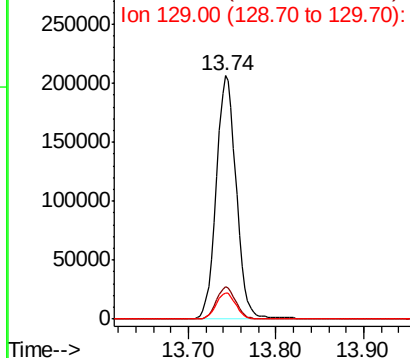
Lab File: VU026976.D

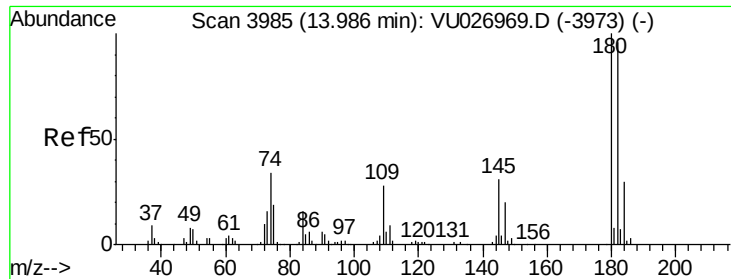
Acq: 21 Sep 2018 18:55

Tgt Ion:	128	Resp:	328004
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.5	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





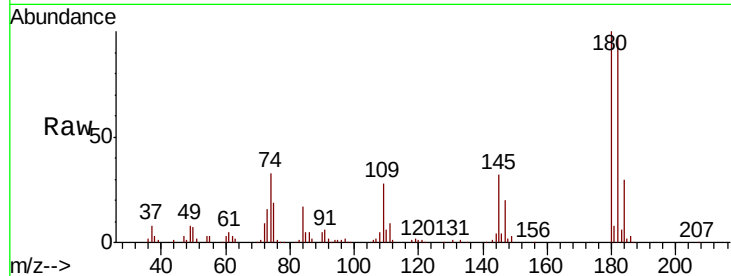
#96
 1,2,3-Trichlorobenzene
 Concen: 59.847 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU026976.D
 Acq: 21 Sep 2018 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ139I-20180911MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.5	142.5
145	31.8	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:14 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

