

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026676.D
 Acq On : 11 Sep 2018 10:34
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:52 PM

Quant Time: Sep 12 04:59:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	94429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	145864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	1731	1.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.42%	
35) Dibromofluoromethane	4.89	113	1374	1.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
50) Toluene-d8	7.57	98	4072	0.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.86%	
62) 4-Bromofluorobenzene	10.31	95	1380	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	929	0.91	ug/l	91
3) Chloromethane	1.33	50	1515	1.06	ug/l	99
4) Vinyl Chloride	1.40	62	1419	0.96	ug/l	97
5) Bromomethane	1.63	94	1052	1.14	ug/l	81
6) Chloroethane	1.70	64	972	1.03	ug/l	98
7) Trichlorofluoromethane	1.89	101	1769	0.92	ug/l #	77
8) Diethyl Ether	2.10	74	804	0.95	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1113	0.97	ug/l #	92
10) Methyl Iodide	2.41	142	182	0.21	ug/l #	41
11) Tert butyl alcohol	2.83	59	2622	7.51	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	1051	0.97	ug/l	88
13) Acrolein	2.20	56	1418	6.03	ug/l	94
14) Allyl chloride	2.59	41	1661	0.85	ug/l #	89
15) Acrylonitrile	2.94	53	3214	4.29	ug/l	95
16) Acetone	2.32	43	4772	5.88	ug/l	97
17) Carbon Disulfide	2.48	76	3759	1.09	ug/l	100
18) Methyl Acetate	2.62	43	1593	0.91	ug/l	91
19) Methyl tert-butyl Ether	3.00	73	3632	0.97	ug/l	91
20) Methylene Chloride	2.70	84	1316	1.00	ug/l #	82
21) trans-1,2-Dichloroethene	2.99	96	1028	0.90	ug/l	95
22) Diisopropyl ether	3.57	45	3392	0.83	ug/l #	80
23) Vinyl Acetate	3.53	43	13760	3.98	ug/l	95
24) 1,1-Dichloroethane	3.45	63	2003	0.87	ug/l #	84
25) 2-Butanone	4.27	43	5079	4.65	ug/l	95
26) 2,2-Dichloropropane	4.23	77	1804m	0.95	ug/l	
27) cis-1,2-Dichloroethene	4.23	96	1156	0.88	ug/l	93
28) Bromochloromethane	4.55	49	1025	0.93	ug/l #	94
29) Tetrahydrofuran	4.64	42	2955	4.49	ug/l	92
30) Chloroform	4.68	83	2147	0.95	ug/l	84
31) Cyclohexane	4.99	56	3632	1.53	ug/l #	38
32) 1,1,1-Trichloroethane	4.91	97	1618	0.86	ug/l #	36
36) 1,1-Dichloropropene	5.14	75	1420	0.87	ug/l #	91
37) Ethyl Acetate	4.39	43	1770	0.90	ug/l #	73
38) Carbon Tetrachloride	5.13	117	1607	0.93	ug/l #	83

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1576	0.81	ug/l	91
40) Benzene	5.39	78	4518	0.89	ug/l	97
41) Methacrylonitrile	4.56	41	674	0.66	ug/l #	72
42) 1,2-Dichloroethane	5.41	62	1651	0.91	ug/l #	75
43) Isopropyl Acetate	5.56	43	2354	0.79	ug/l #	89
44) Trichloroethene	6.19	130	1100	0.87	ug/l	96
45) 1,2-Dichloropropane	6.44	63	1149	0.83	ug/l #	76
46) Dibromomethane	6.56	93	698	0.78	ug/l	94
47) Bromodichloromethane	6.76	83	1488	0.85	ug/l #	91
48) Methyl methacrylate	6.63	41	1017	0.69	ug/l #	88
49) 1,4-Dioxane	6.62	88	483	14.08	ug/l #	47
51) 4-Methyl-2-Pentanone	7.46	43	7677	3.83	ug/l	91
52) Toluene	7.64	92	2332	0.77	ug/l	90
53) t-1,3-Dichloropropene	7.89	75	1563	0.80	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	1698	0.81	ug/l	93
55) 1,1,2-Trichloroethane	8.07	97	1135	0.87	ug/l	96
56) Ethyl methacrylate	8.03	69	1214	0.64	ug/l #	90
57) 1,3-Dichloropropane	8.25	76	1759	0.80	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.13	63	3418	3.66	ug/l	98
59) 2-Hexanone	8.37	43	5959	3.78	ug/l	91
60) Dibromochloromethane	8.48	129	1074	0.76	ug/l	86
61) 1,2-Dibromoethane	8.59	107	1240	0.88	ug/l	95
64) Tetrachloroethene	8.23	164	1035	0.97	ug/l #	93
65) Chlorobenzene	9.12	112	3117	0.93	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	1123	0.91	ug/l #	64
67) Ethyl Benzene	9.25	91	4647	0.85	ug/l	94
68) m/p-Xylenes	9.38	106	3139	1.50	ug/l	97
69) o-Xylene	9.78	106	1422	0.70	ug/l	89
70) Styrene	9.79	104	2277	0.68	ug/l	95
71) Bromoform	9.96	173	809	0.76	ug/l #	98
73) Isopropylbenzene	10.17	105	3586	0.80	ug/l	96
74) N-amyl acetate	10.02	43	1559	0.74	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	1934	1.06	ug/l #	92
76) 1,2,3-Trichloropropane	10.50	75	1334m	0.80	ug/l	
77) Bromobenzene	10.46	156	1184	0.98	ug/l	92
78) n-propylbenzene	10.59	91	3855	0.74	ug/l	97
79) 2-Chlorotoluene	10.66	91	2687	0.84	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	2879	0.77	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.51	75	399m	0.54	ug/l	
82) 4-Chlorotoluene	10.78	91	2730	0.76	ug/l	97
83) tert-Butylbenzene	11.10	119	2934	0.77	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2760	0.73	ug/l	89
85) sec-Butylbenzene	11.32	105	3343	0.74	ug/l	93
86) p-Isopropyltoluene	11.48	119	2719	0.69	ug/l	91
87) 1,3-Dichlorobenzene	11.42	146	2342	1.04	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	2649	1.13	ug/l	91
89) n-Butylbenzene	11.89	91	2161	0.63	ug/l	95
90) Hexachloroethane	12.14	117	696	0.87	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	2314	1.02	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.66	75	261	0.72	ug/l	90

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MSVOA_U
ClientSampleId :
VSTDICC001

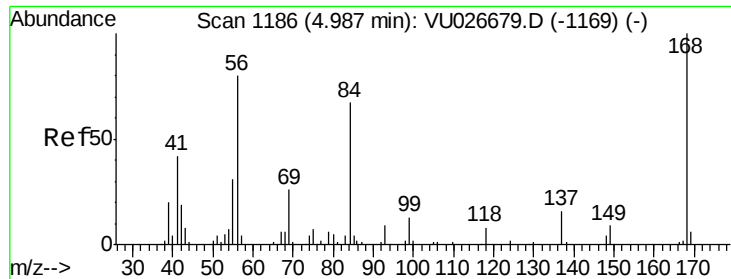
Manual Integrations
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Quant Time: Sep 12 04:59:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 04:37:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1377	0.91	ug/l	88
94) Hexachlorobutadiene	13.69	225	712	0.92	ug/l	93
95) Naphthalene	13.75	128	3289	0.72	ug/l	95
96) 1,2,3-Trichlorobenzene	13.99	180	1361	0.86	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 94429

Ion Ratio Lower Upper

168 100

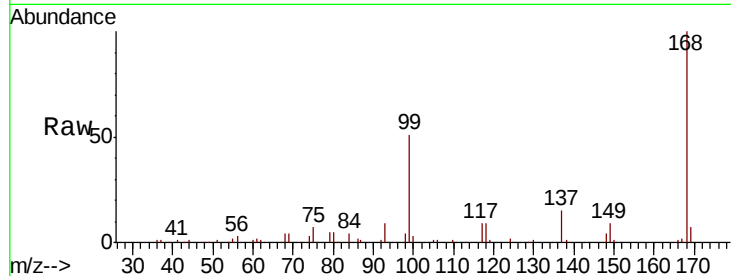
99 51.4 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)

4.98

40000

30000

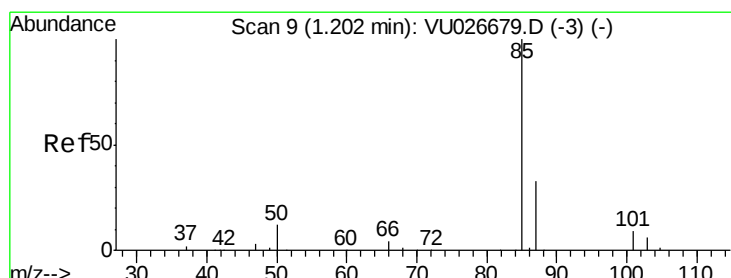
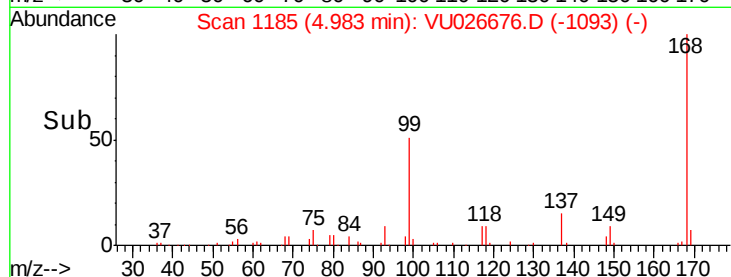
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.91 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026676.D

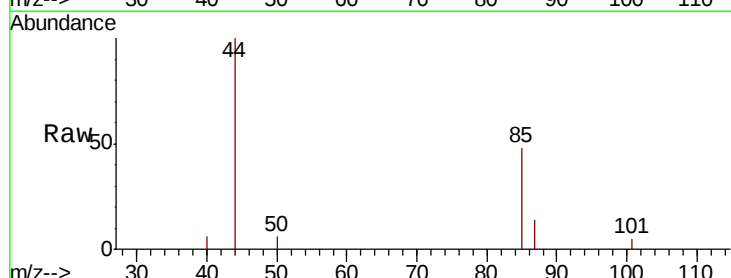
Acq: 11 Sep 2018 10:34

Tgt Ion: 85 Resp: 929

Ion Ratio Lower Upper

85 100

87 28.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026676.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU026676.D (-1) (-)

1.21

1000

800

600

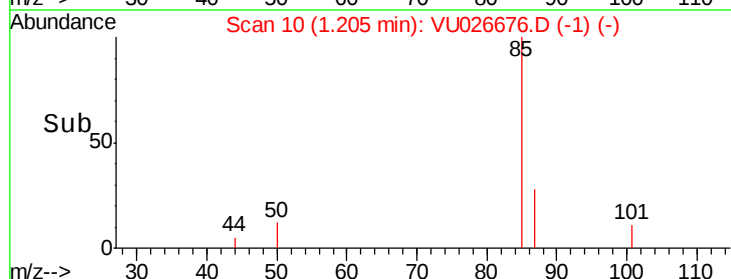
400

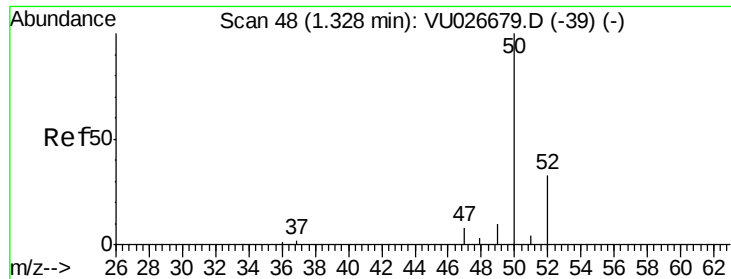
200

0

1.18 1.20 1.22 1.24

Time-->





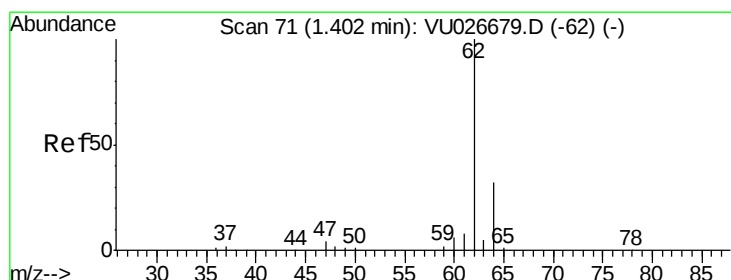
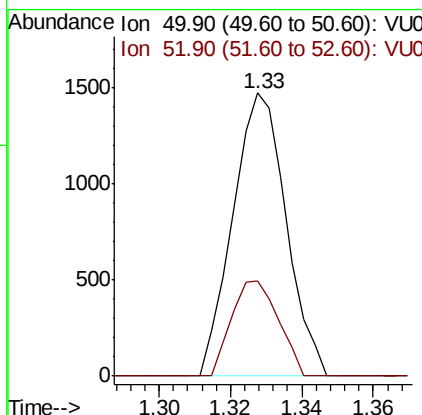
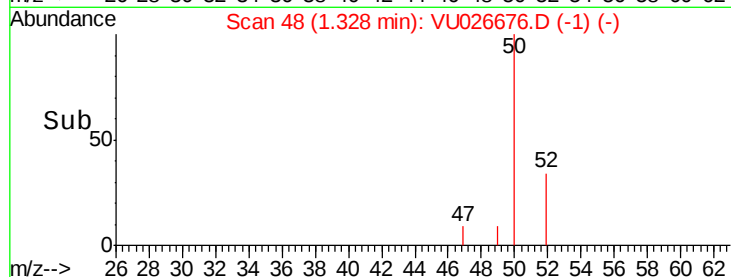
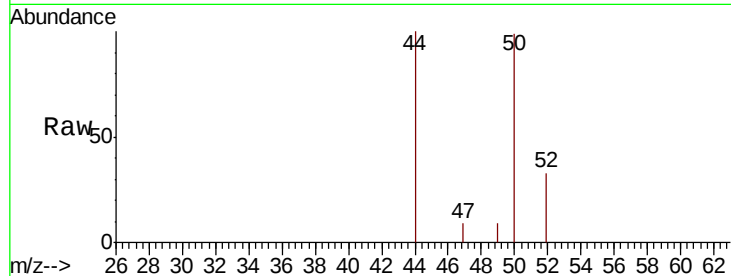
#3
Chloromethane
Concen: 1.06 ug/l
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.6	26.3	39.5

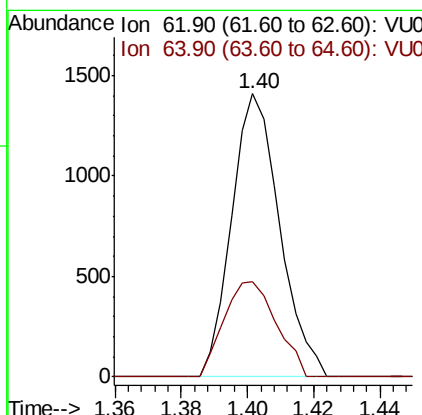
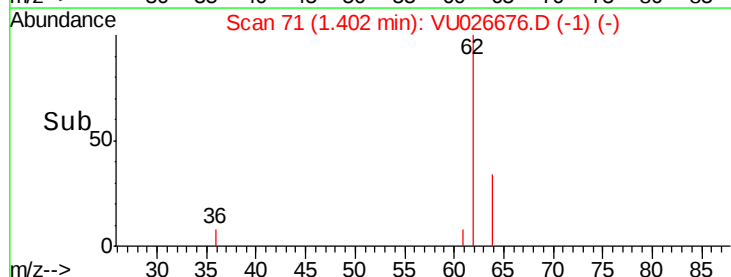
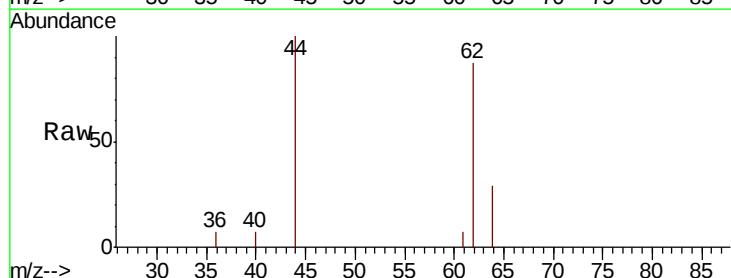
Manual Integrations
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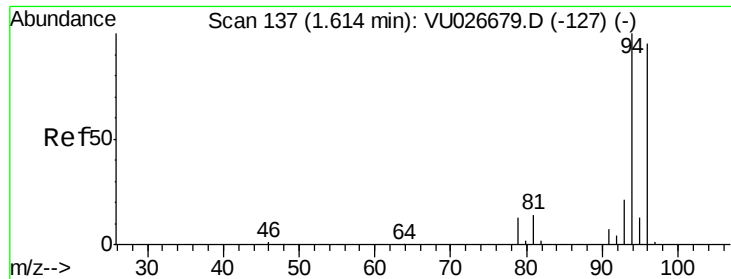
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#4
Vinyl Chloride
Concen: 0.96 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.6	38.4





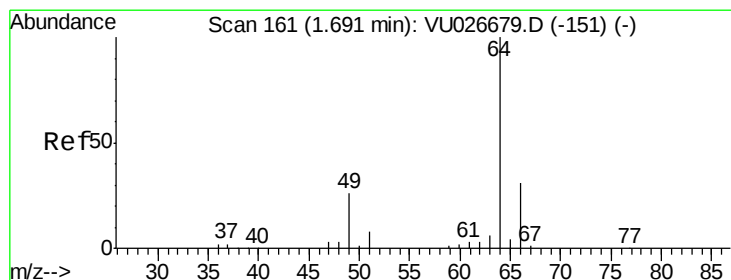
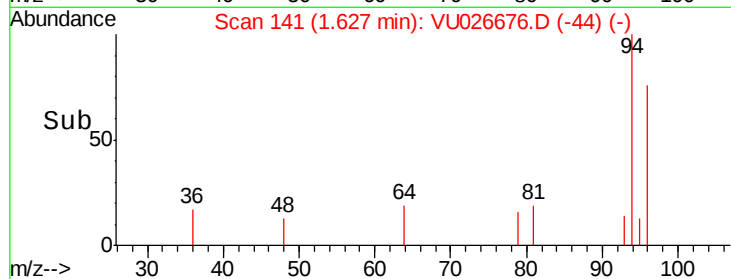
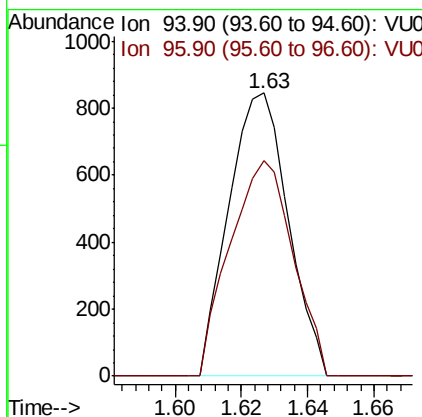
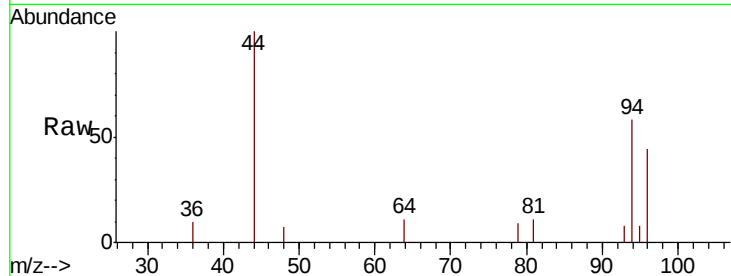
#5
 Bromomethane
 Concen: 1.14 ug/l
 RT: 1.63 min Scan# 141
 Delta R.T. 0.01 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 94 Resp: 1052
 Ion Ratio Lower Upper
 94 100
 96 76.2 75.8 113.6

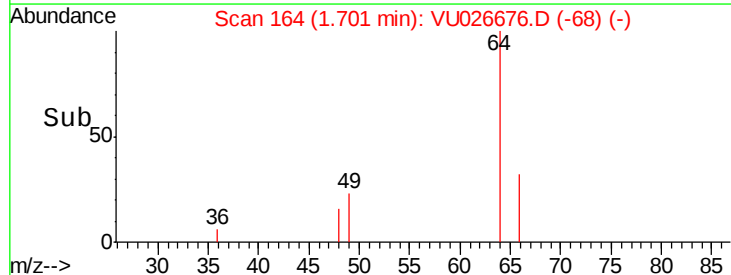
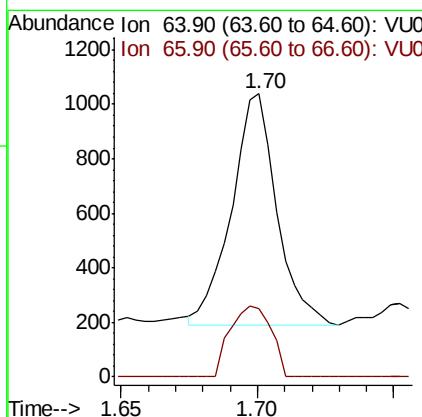
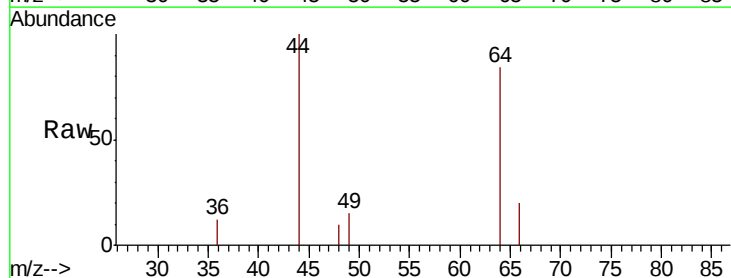
Manual Integrations
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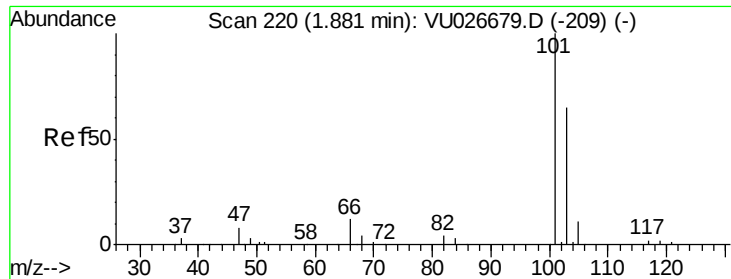
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 9/13/2018 4:48:52 PM



#6
 Chloroethane
 Concen: 1.03 ug/l
 RT: 1.70 min Scan# 164
 Delta R.T. 0.01 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion: 64 Resp: 972
 Ion Ratio Lower Upper
 64 100
 66 29.9 24.7 37.1





#7

Trichlorofluoromethane

Concen: 0.92 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 1769

Ion Ratio Lower Upper

101 100

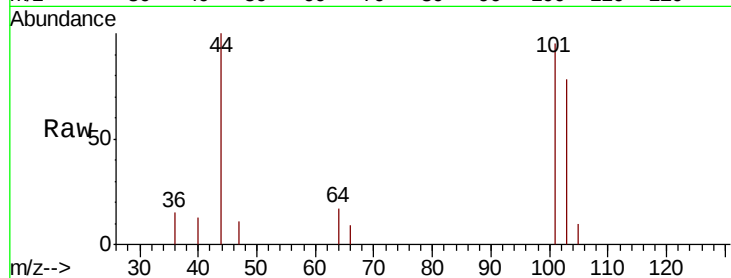
103 82.8 51.7 77.5#

Manual Integrations

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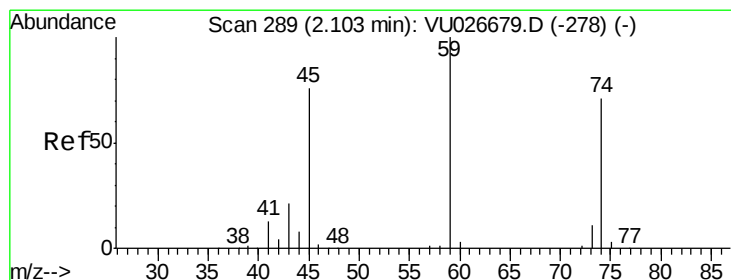
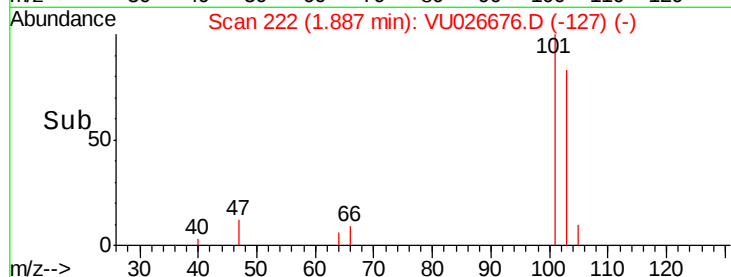
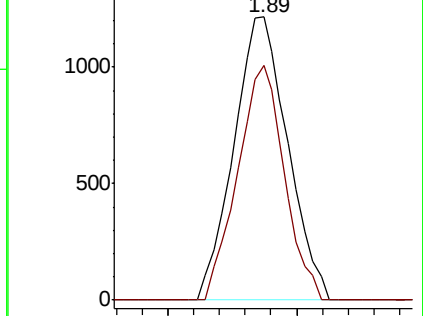
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9/13/2018 4:48:52 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.95 ug/l

RT: 2.10 min Scan# 289

Delta R.T. -0.00 min

Lab File: VU026676.D

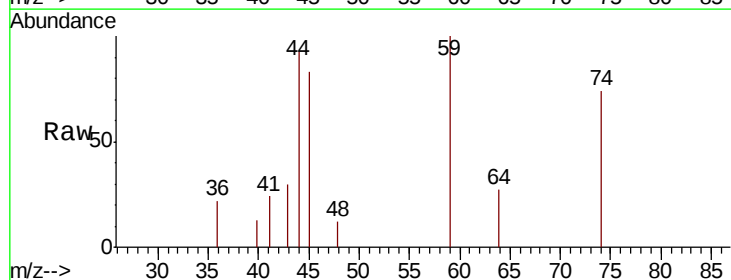
Acq: 11 Sep 2018 10:34

Tgt Ion: 74 Resp: 804

Ion Ratio Lower Upper

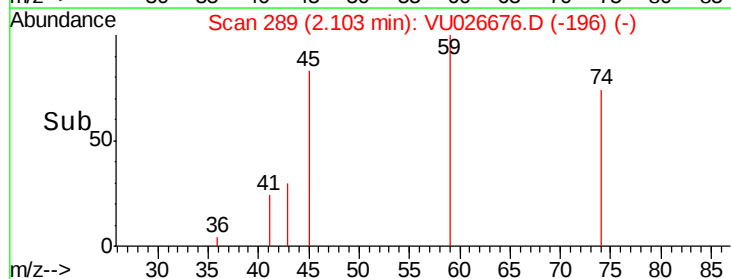
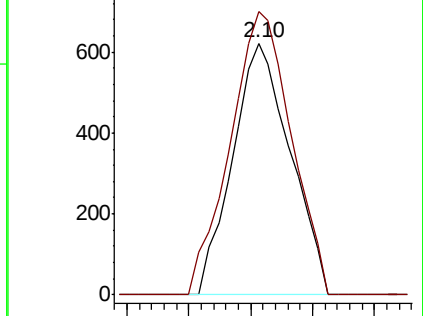
74 100

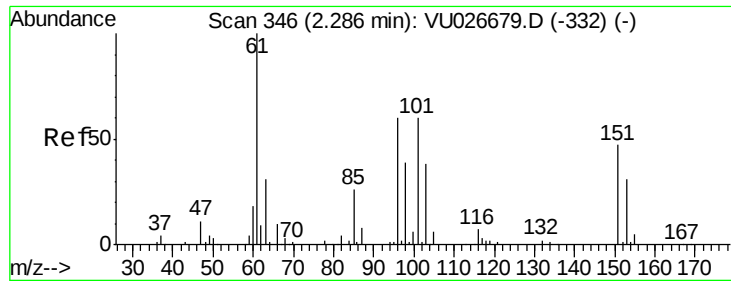
45 119.3 53.6 160.8



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.97 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

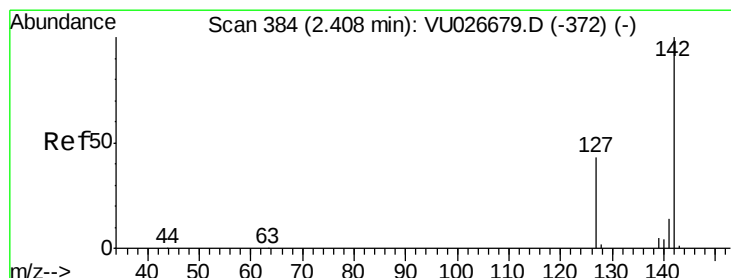
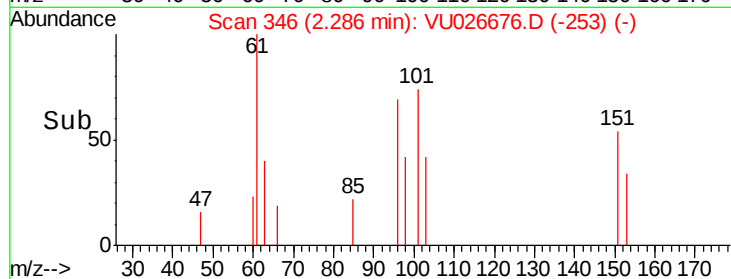
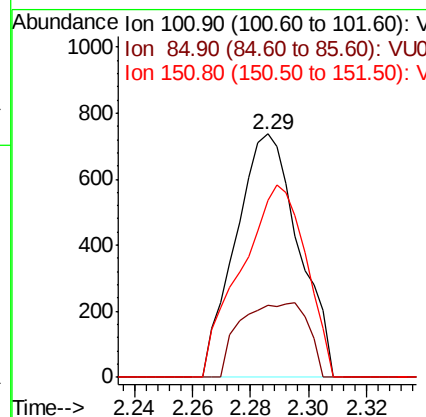
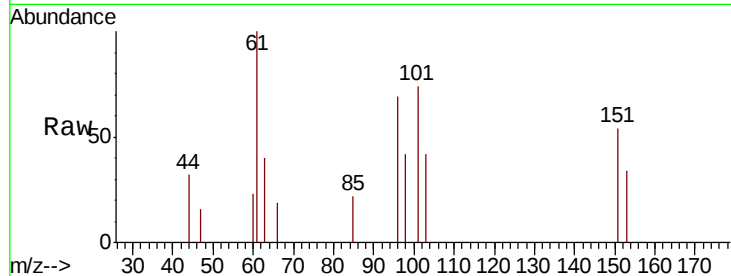
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	1113
Ion Ratio	Lower	Upper	
101	100		
85	32.6	34.6	52.0#
151	81.5	62.7	94.1

Manual Integrations
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9/13/2018 4:48:52 PM



#10

Methyl Iodide

Concen: 0.21 ug/l

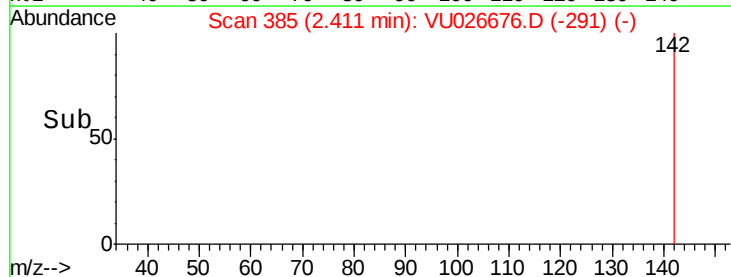
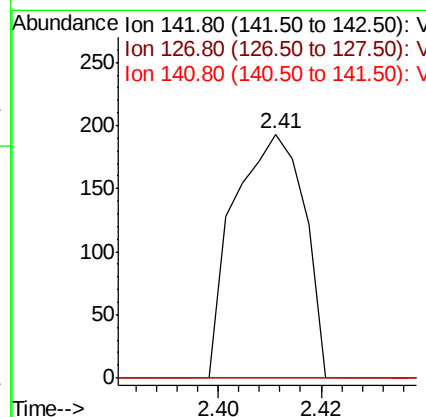
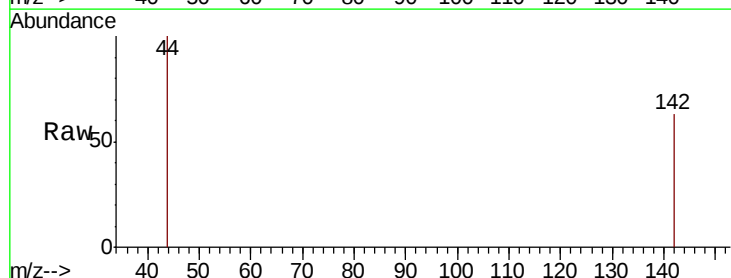
RT: 2.41 min Scan# 385

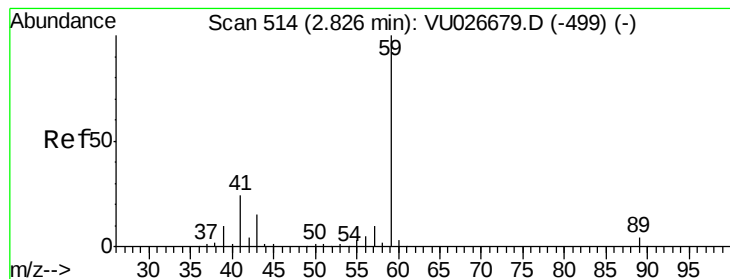
Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion:	142	Resp:	182
Ion Ratio	Lower	Upper	
142	100		
127	0.0	34.1	51.1#
141	0.0	11.2	16.8#





#11

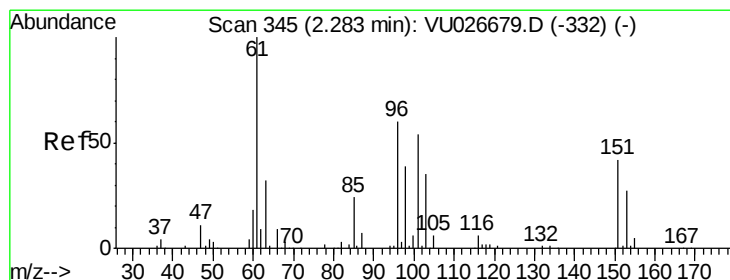
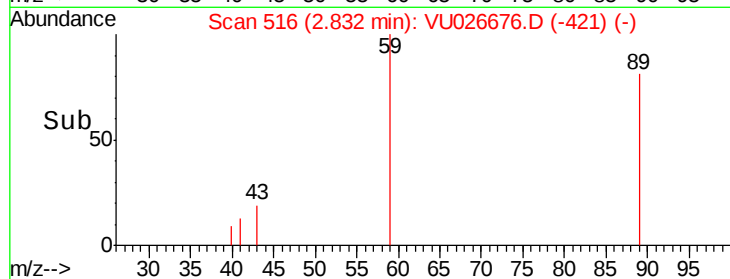
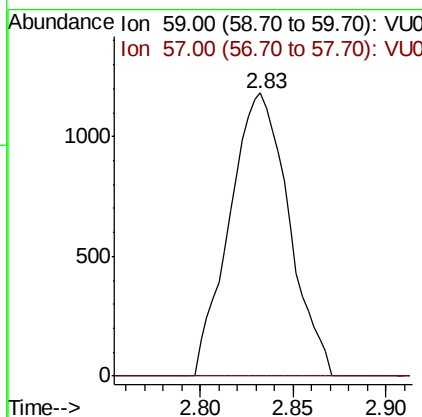
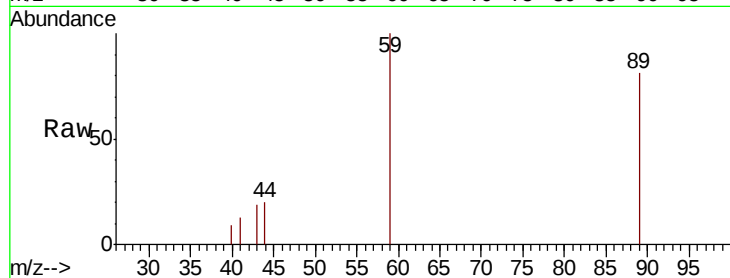
Tert butvl alcohol
Concen: 7.51 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 2622
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

Manual Integrations
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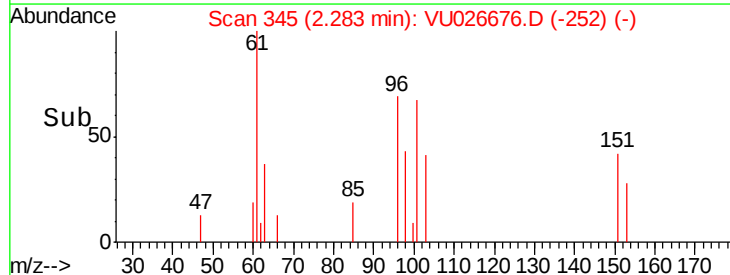
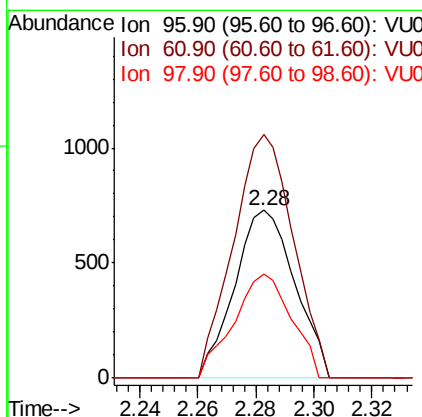
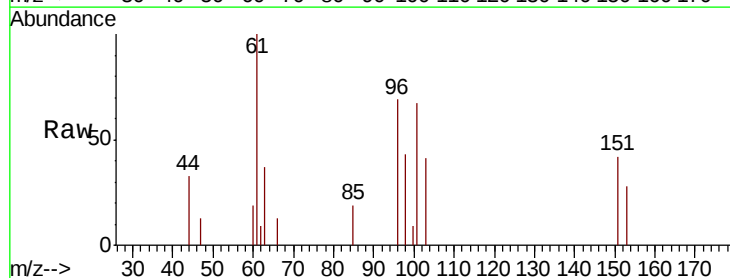
MMDadoda
9/13/2018 4:48:52 PM

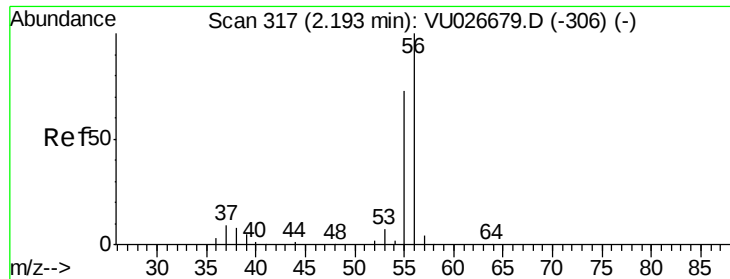


#12

1,1-Dichloroethene
Concen: 0.97 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 96 Resp: 1051
Ion Ratio Lower Upper
96 100
61 144.9 133.0 199.6
98 61.9 51.3 76.9





#13

Acrolein

Concen: 6.03 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 1418

Ion Ratio Lower Upper

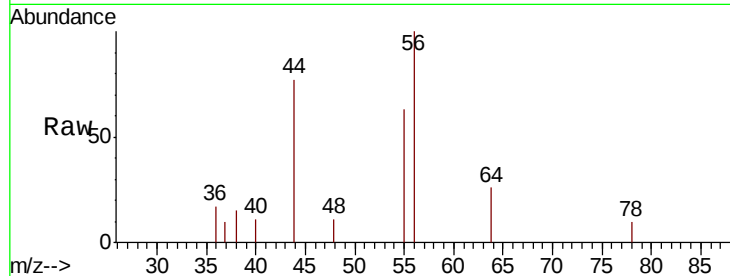
56 100

55 66.4 57.4 86.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

1200

1000

800

600

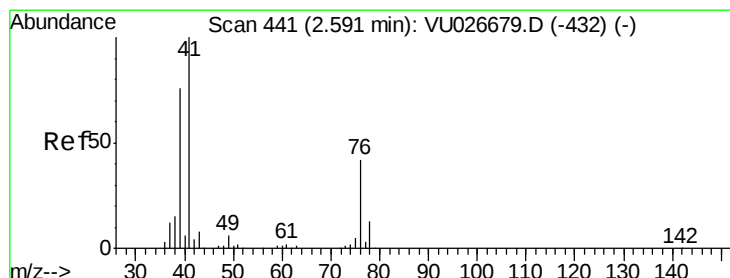
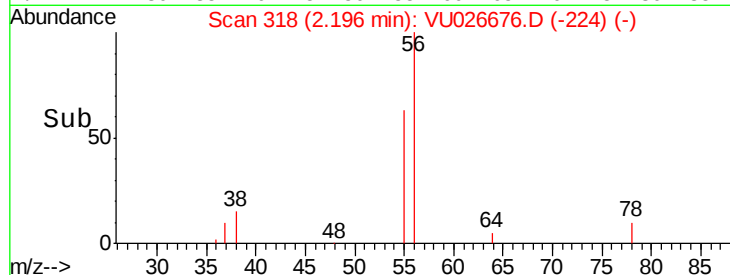
400

200

0

2.16 2.18 2.20 2.22 2.24

Time-->



#14

Allyl chloride

Concen: 0.85 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

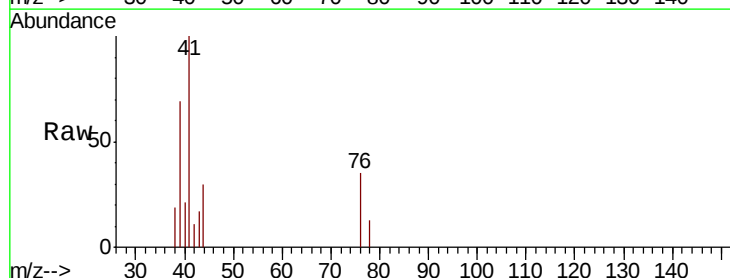
Tgt Ion: 41 Resp: 1661

Ion Ratio Lower Upper

41 100

39 63.5 56.9 85.3

76 28.4 29.7 44.5#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

1200

1000

800

600

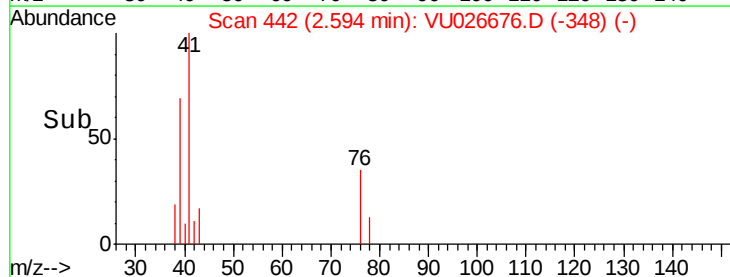
400

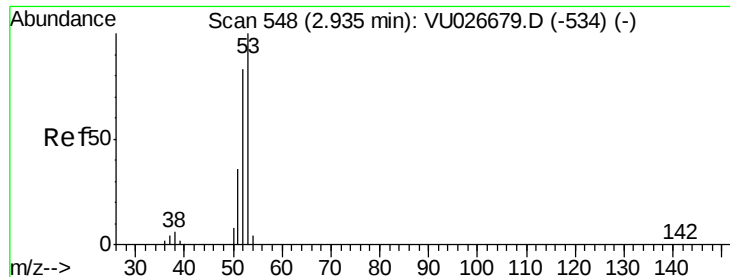
200

0

2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 4.29 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

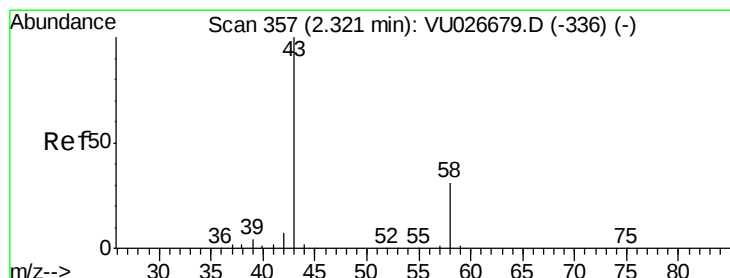
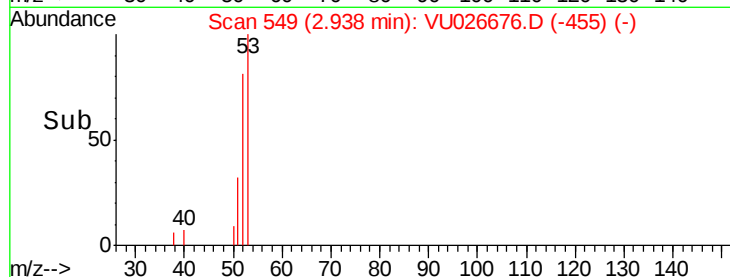
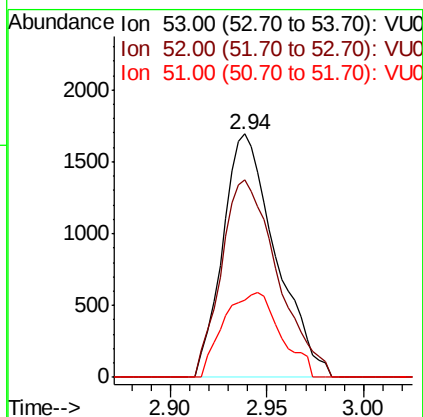
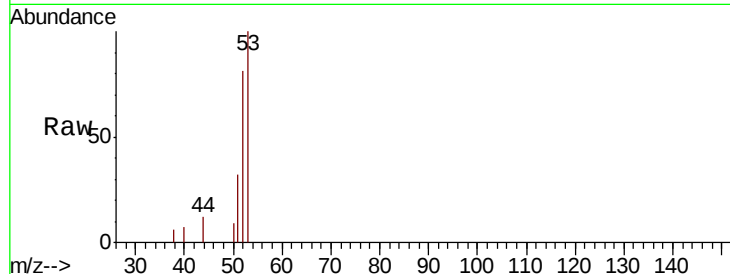
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	3214
Ion	Ratio	Lower	Upper
53	100		
52	86.3	65.8	98.8
51	37.5	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 5.88 ug/l

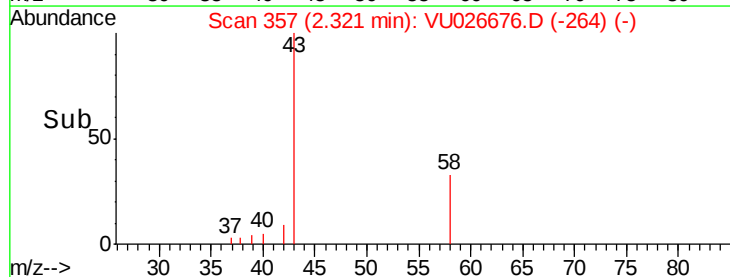
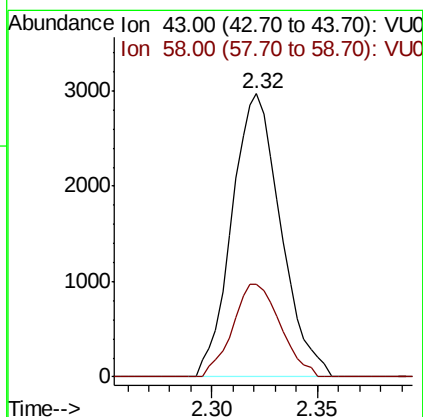
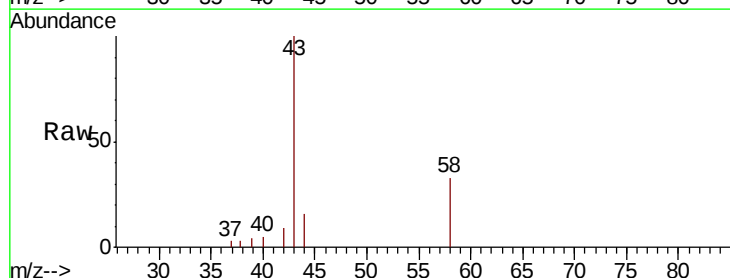
RT: 2.32 min Scan# 357

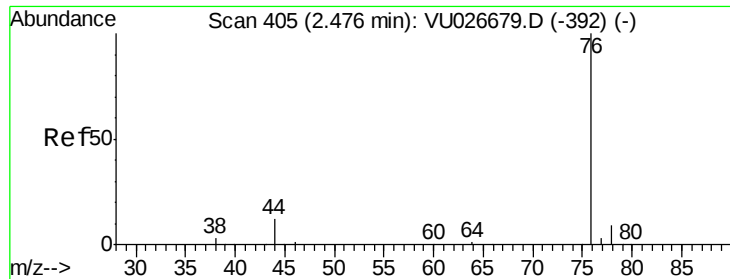
Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion:	43	Resp:	4772
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.1	37.7





#17

Carbon Disulfide

Concen: 1.09 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tot Ion: 76 Resp: 3759

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6

Instrument :

MSVOA_U

ClientSampleId :

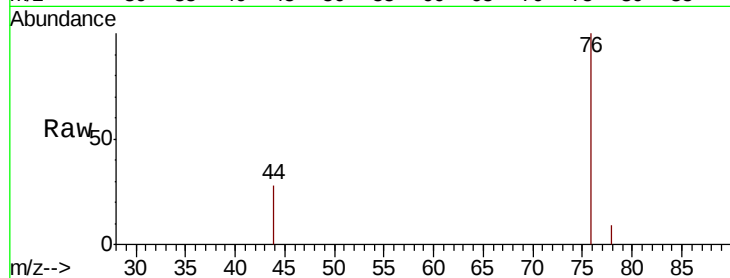
VSTDIC001

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

2500

2000

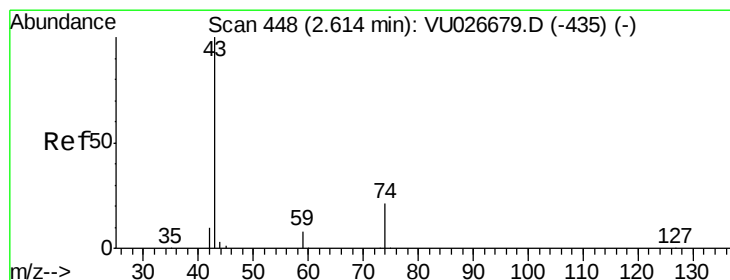
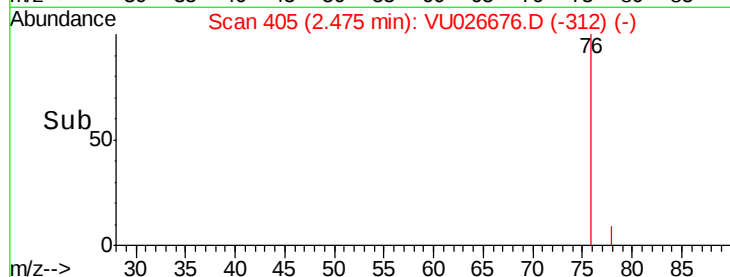
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.91 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026676.D

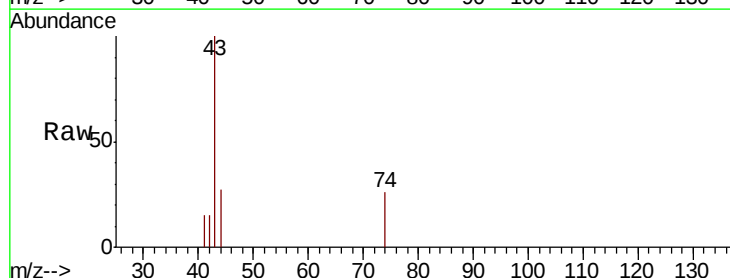
Acq: 11 Sep 2018 10:34

Tgt Ion: 43 Resp: 1593

Ion Ratio Lower Upper

43 100

74 17.7 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

1000

800

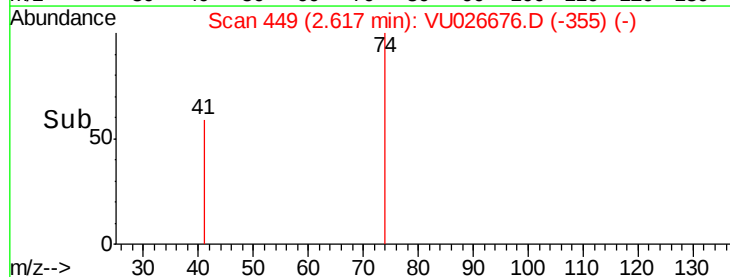
600

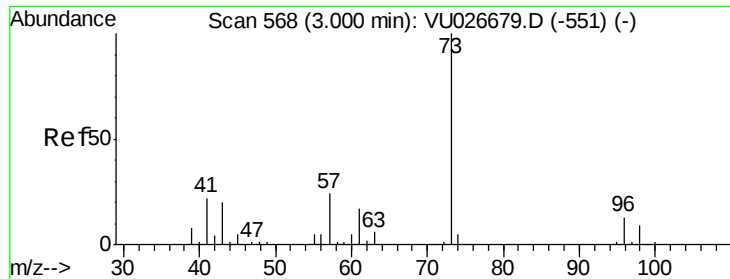
400

200

0

Time-->





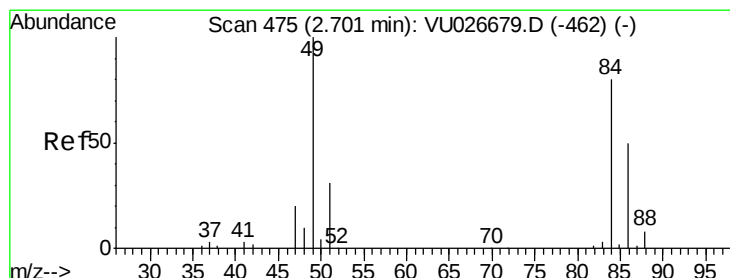
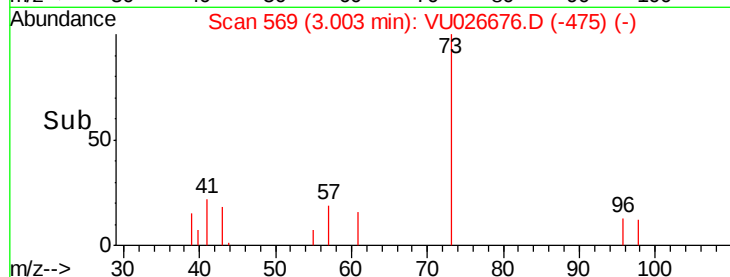
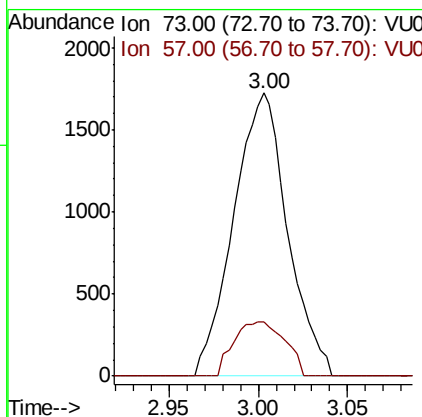
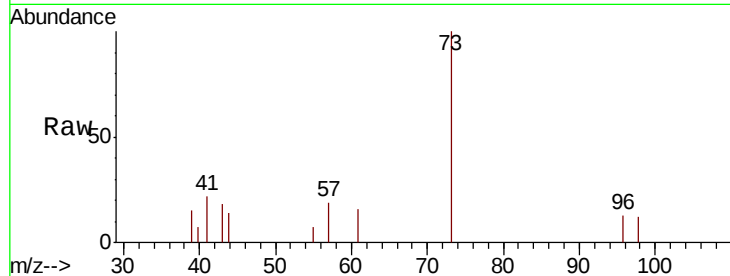
#19
Methvl tert-butvl Ether
Concen: 0.97 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	18.9	28.3

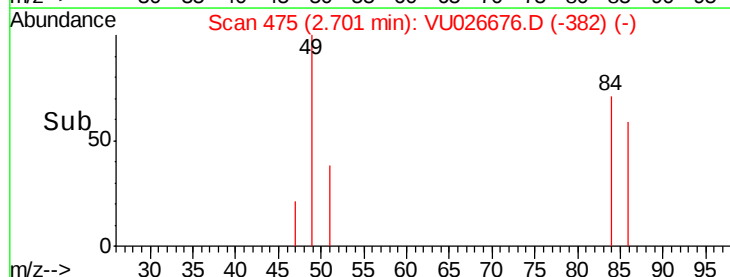
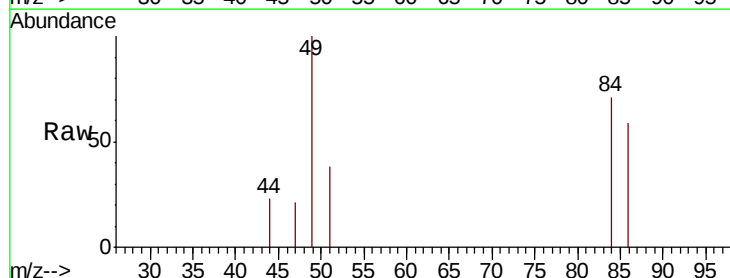
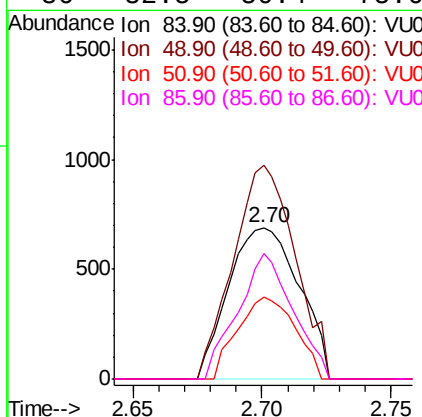
Manual Integrations
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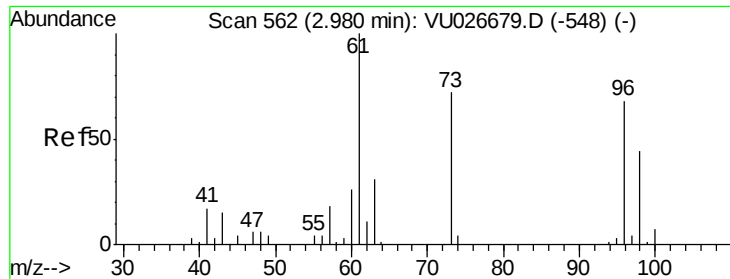
MMDadoda
9/13/2018 4:48:52 PM



#20
Methylene Chloride
Concen: 1.00 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.8	100.6	151.0
51	53.8	30.9	46.3
86	82.5	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 0.90 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 1028

Ion Ratio Lower Upper

96 100

61 155.1 117.7 176.5

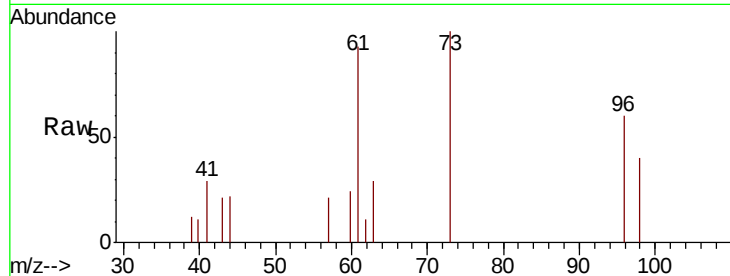
98 66.9 52.0 78.0

Manual Integrations

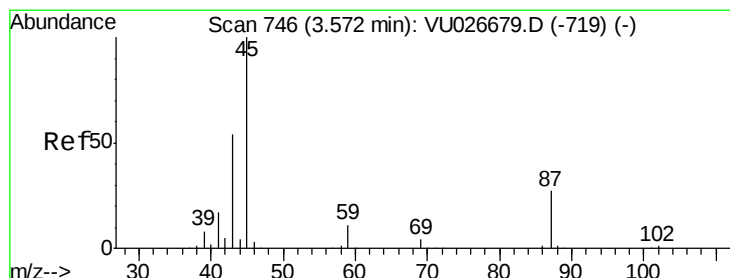
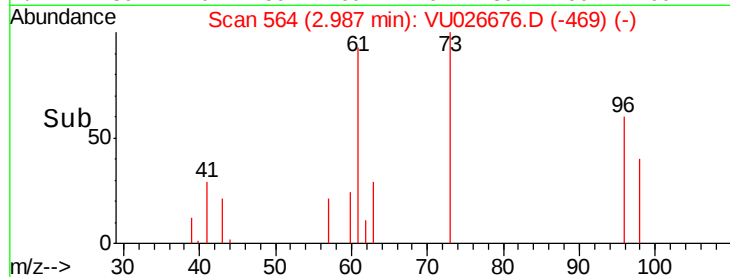
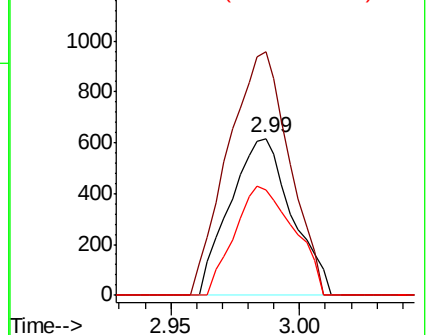
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 0.83 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion: 45 Resp: 3392

Ion Ratio Lower Upper

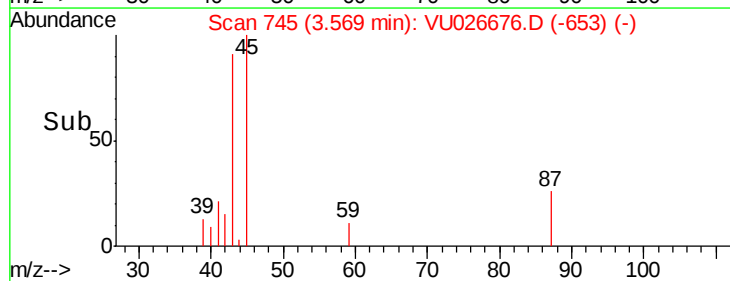
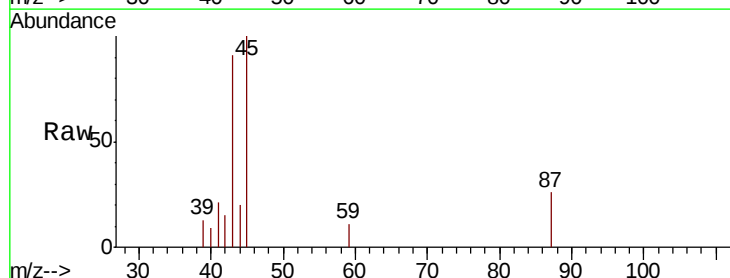
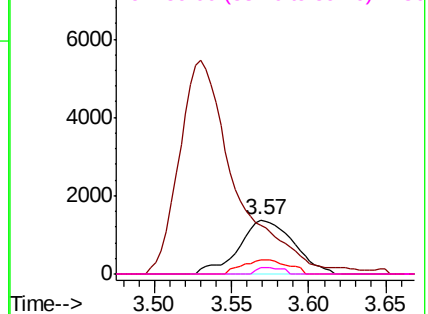
45 100

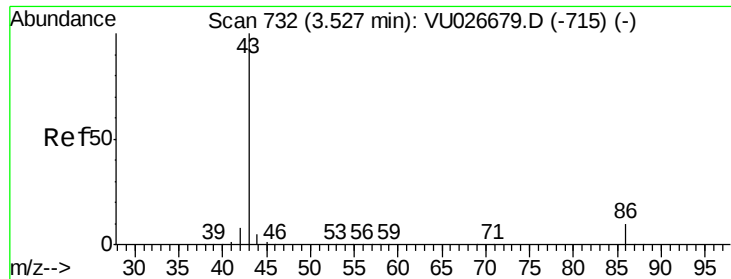
43 79.6 44.6 67.0#

87 25.9 21.4 32.0

59 10.8 9.0 13.4

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





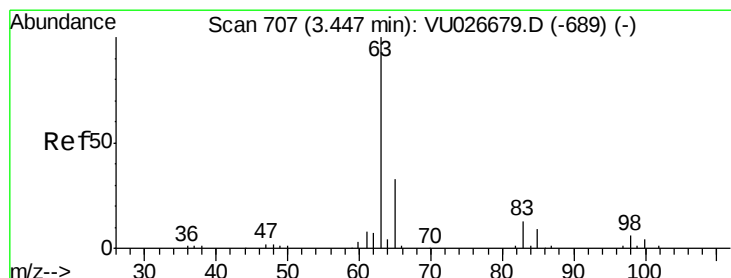
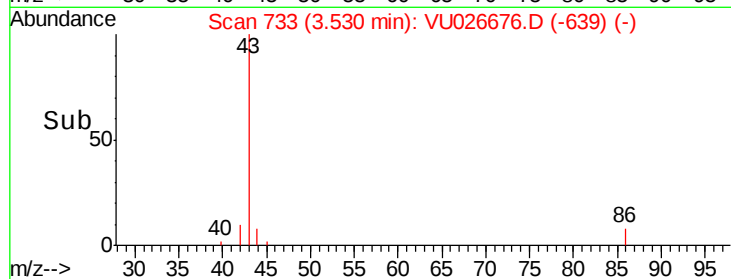
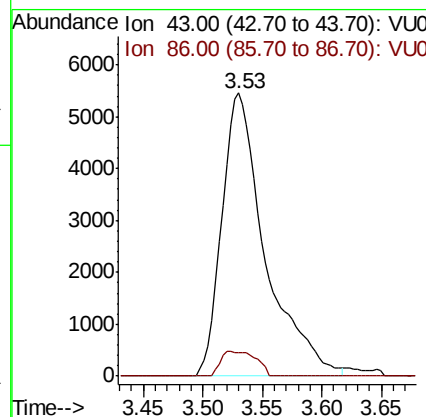
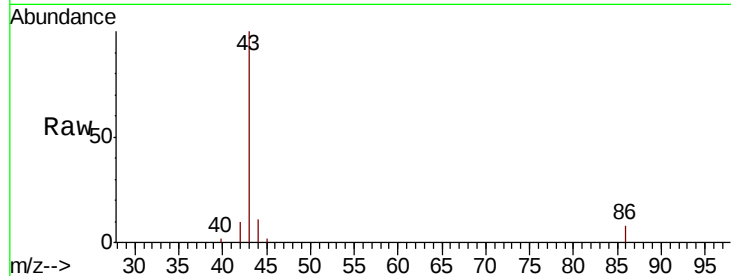
#23
 Vinyl Acetate
 Concen: 3.98 ug/l
 RT: 3.53 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	43.00	Resp	13760
Ion Ratio	43	100	
Lower	86	8.1	7.8
Upper			11.8

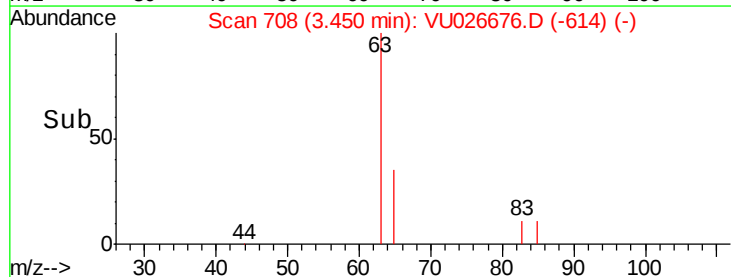
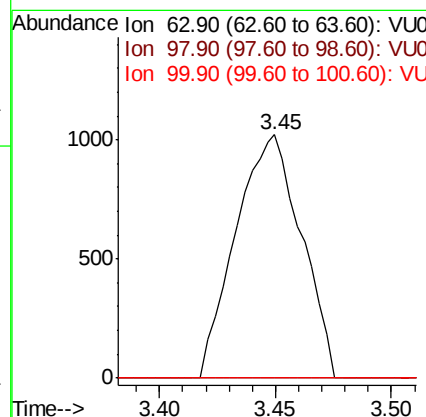
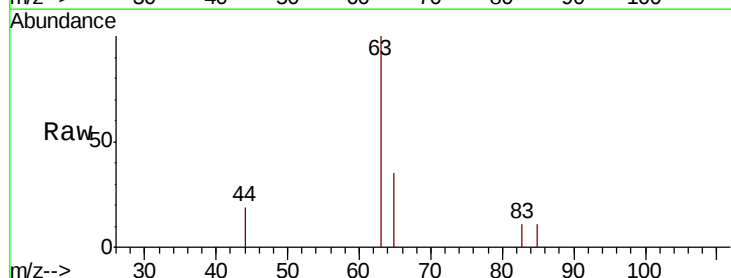
Manual Integrations
 APPROVED

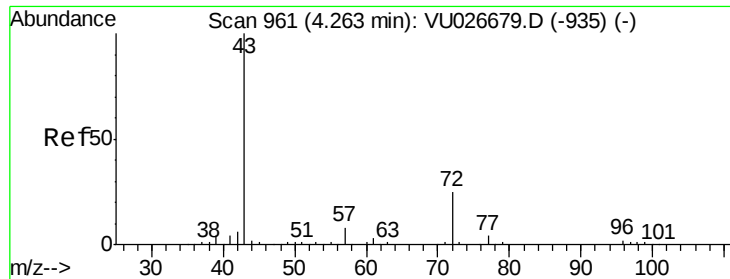
MMDadoda
 9/13/2018 4:48:52 PM



#24
 1,1-Dichloroethane
 Concen: 0.87 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion	63	Resp	2003
Ion Ratio	63	100	
Lower	98	0.0	3.1
Upper			9.4#
	100	0.0	2.0
			6.0#





#25

2-Butanone

Concen: 4.65 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 5079

Ion Ratio Lower Upper

43 100

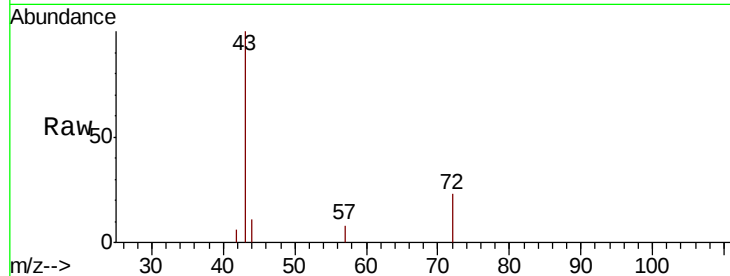
72 22.9 20.3 30.5

Manual Integrations

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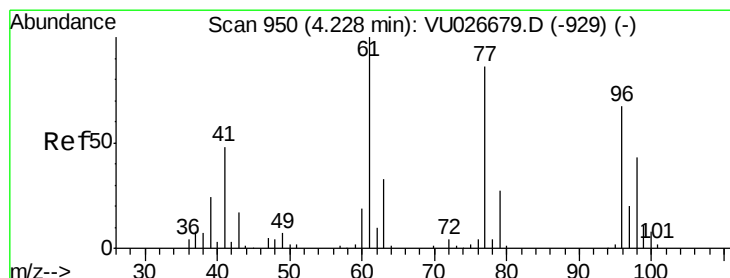
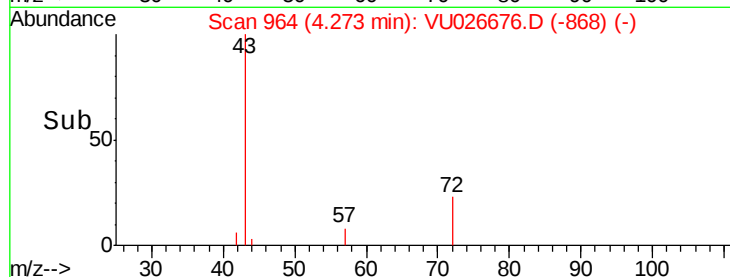
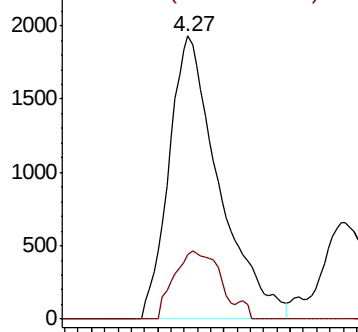
MMDadoda

9/13/2018 4:48:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 0.95 ug/l m

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU026676.D

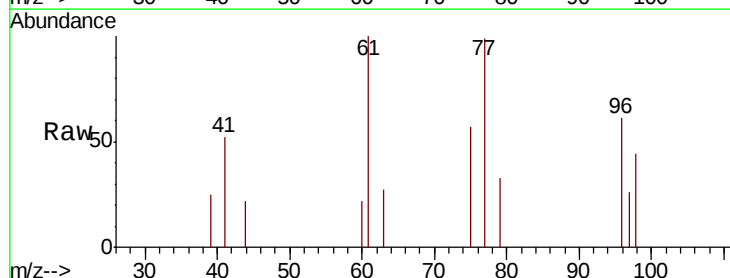
Acq: 11 Sep 2018 10:34

Tgt Ion: 77 Resp: 1804

Ion Ratio Lower Upper

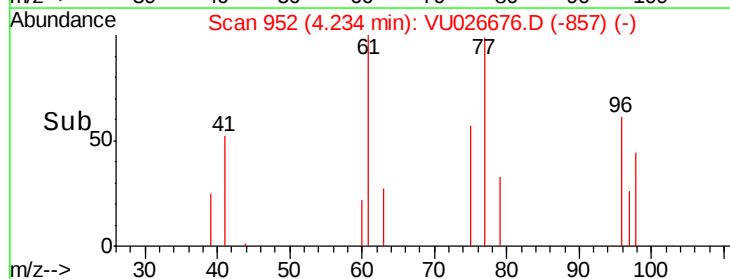
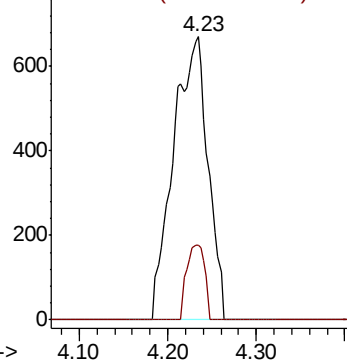
77 100

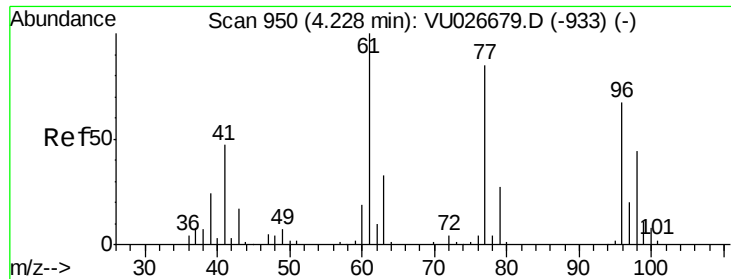
97 14.0 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 0.88 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026676.D

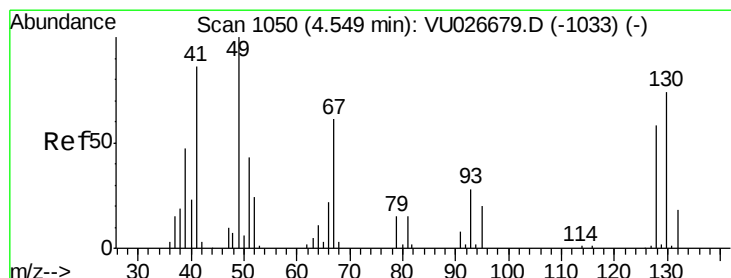
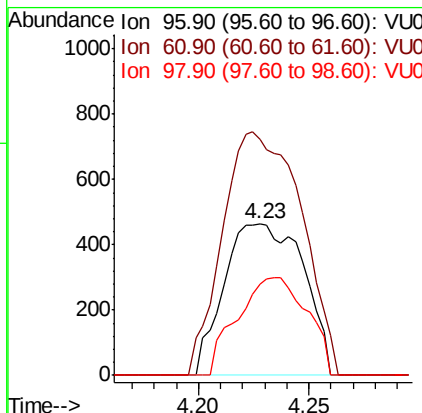
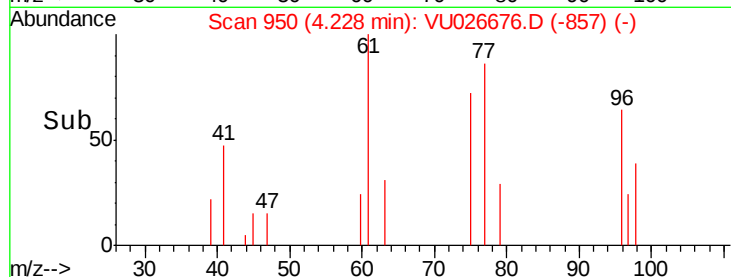
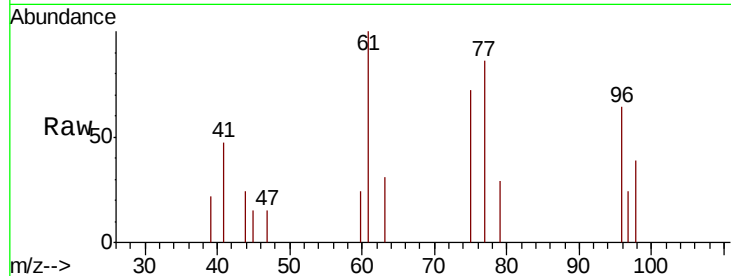
Acq: 11 Sep 2018 10:34

Tot Ion:	96	Resp:	1156
Ion	Ratio	Lower	Upper
96	100		
61	159.6	0.0	301.8
98	56.7	0.0	127.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Manual Integrations
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#28

Bromochloromethane

Concen: 0.93 ug/l

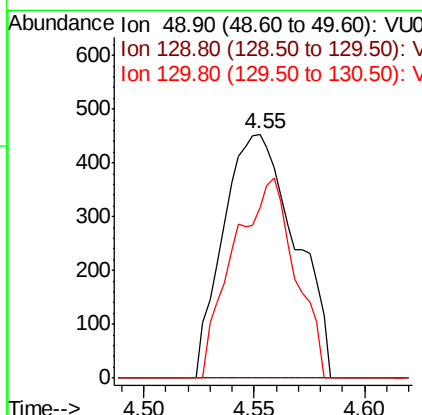
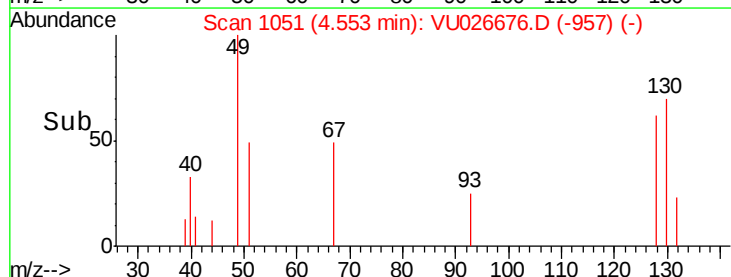
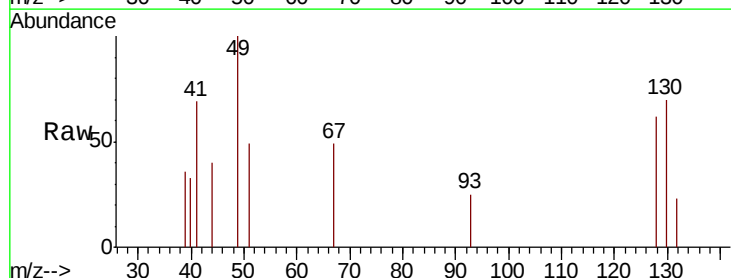
RT: 4.55 min Scan# 1051

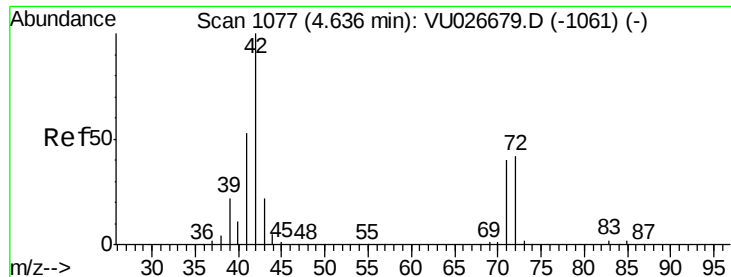
Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion:	49	Resp:	1025
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	70.0	59.8	89.6





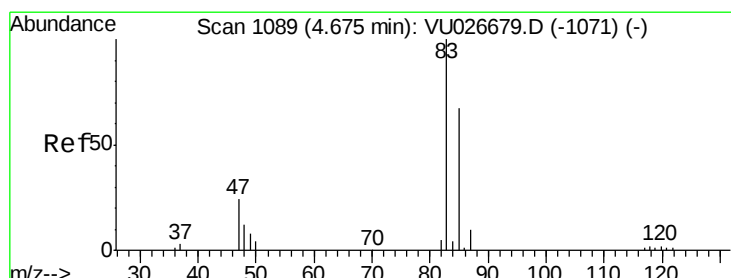
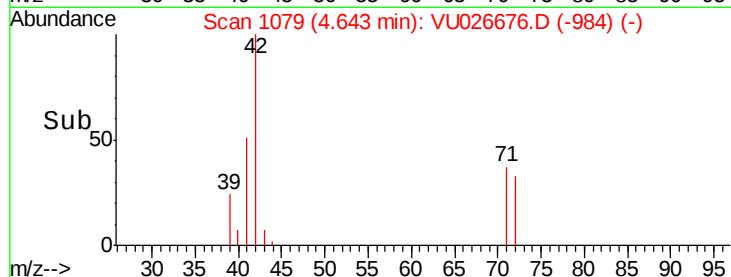
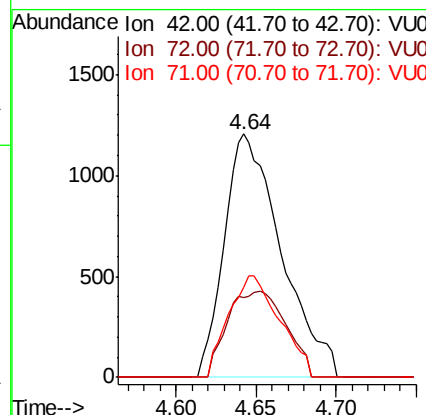
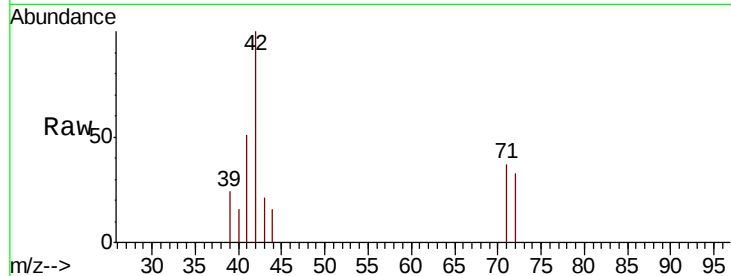
#29
Tetrahydrofuran
Concen: 4.49 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	34.4	51.6
71	37.2	32.4	48.6

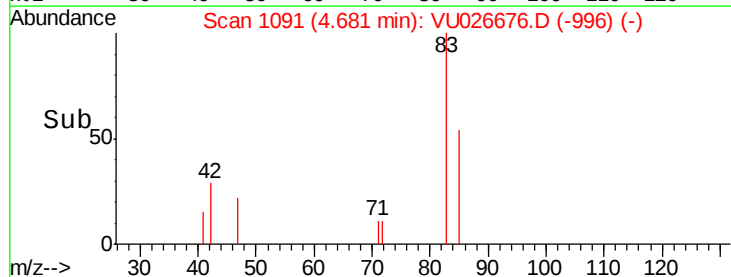
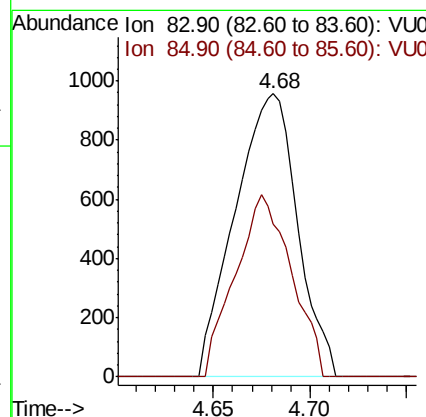
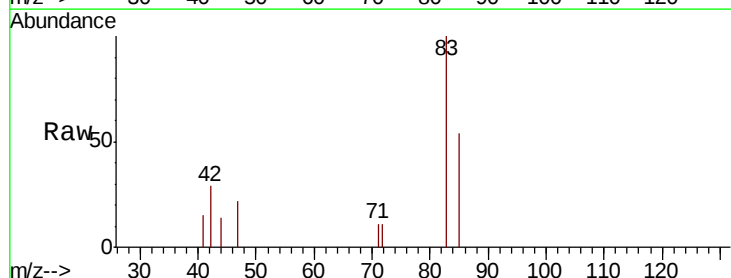
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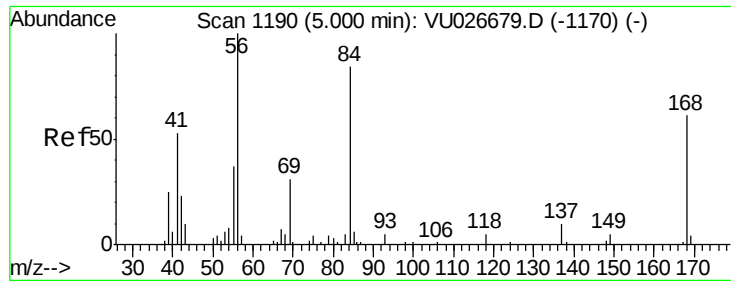
MMDadoda
9/13/2018 4:48:52 PM



#30
Chloroform
Concen: 0.95 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.1	53.3	79.9





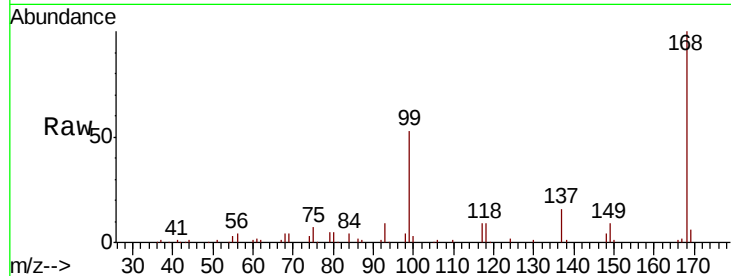
#31
Cyclohexane
Concen: 1.53 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

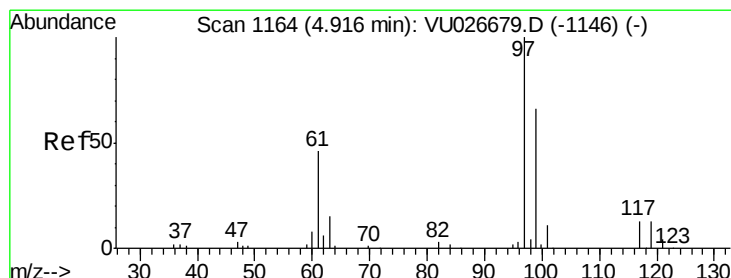
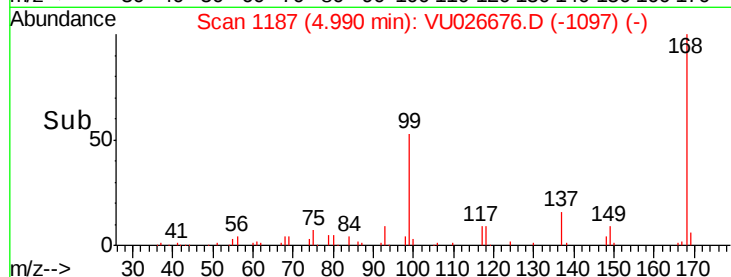
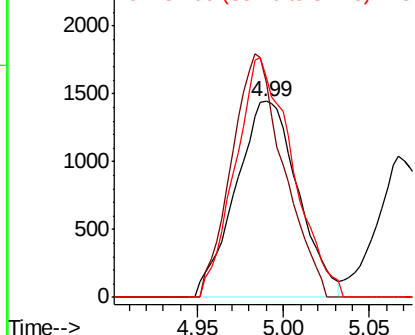
Tot Ion	Ratio	Lower	Upper
56	100		
69	109.5	24.9	37.3#
84	111.7	66.6	100.0#

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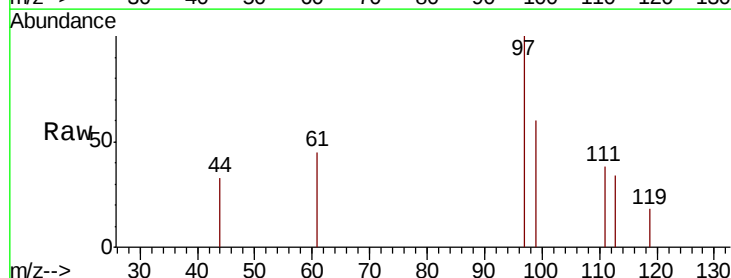


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

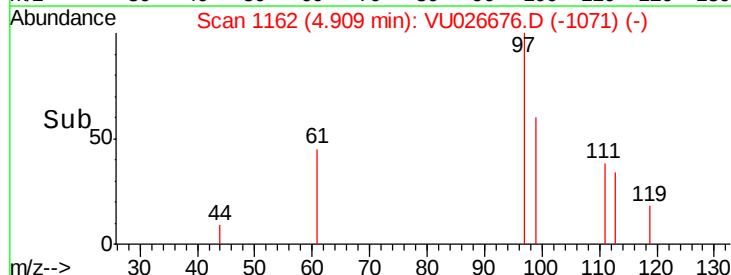
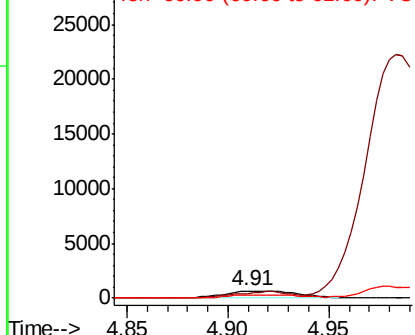


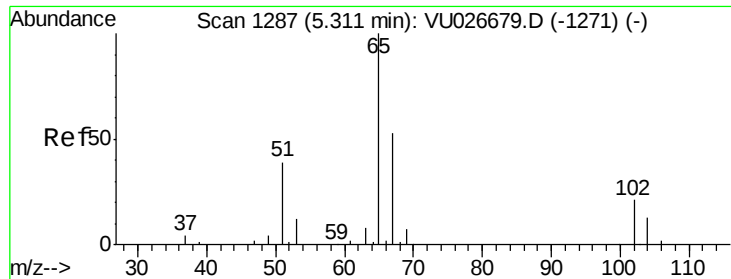
#32
1,1,1-Trichloroethane
Concen: 0.86 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.2	78.2#
61	20.5	36.8	55.2#



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





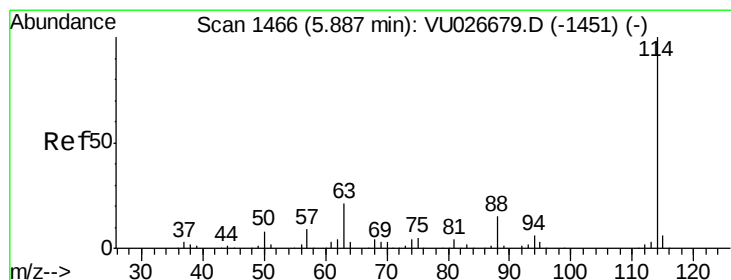
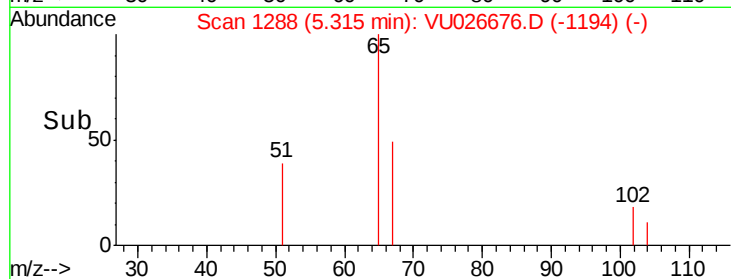
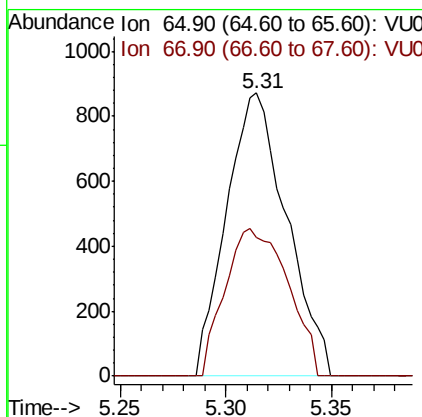
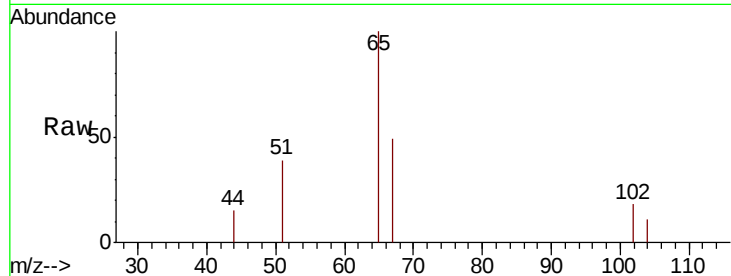
#33
 1,2-Dichloroethane-d4
 Concen: 1.21 ug/l
 RT: 5.31 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.4

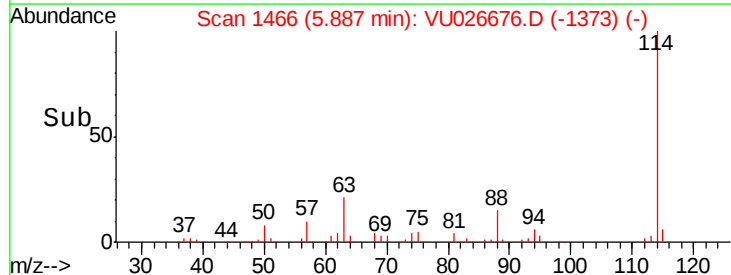
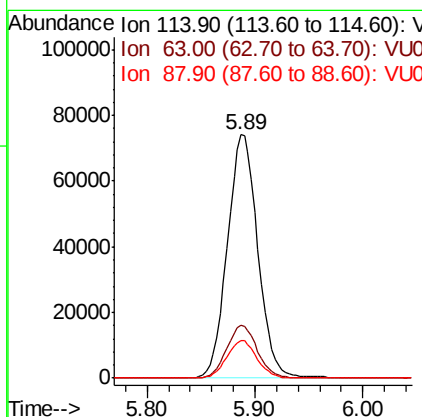
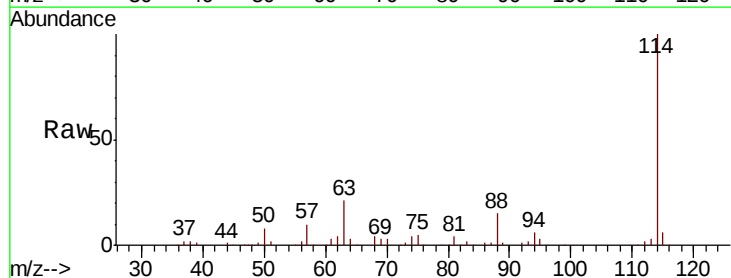
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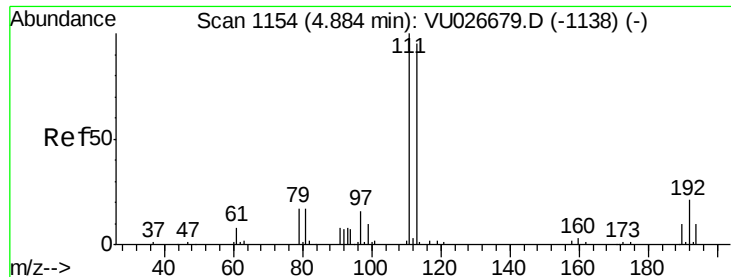
MMDadoda
 9/13/2018 4:48:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.4
88	15.3	0.0	30.8





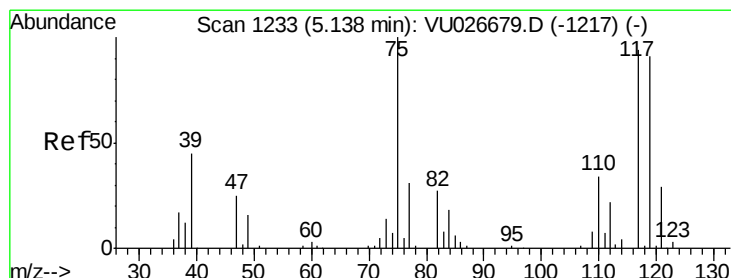
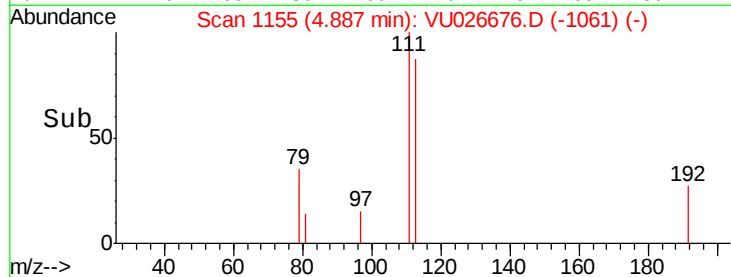
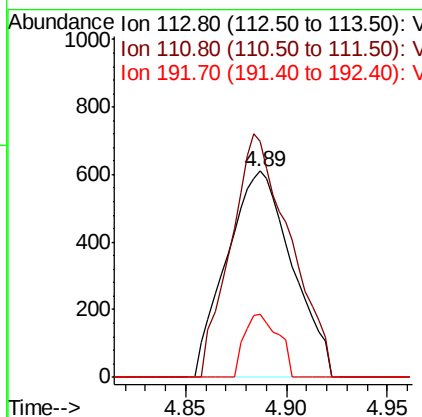
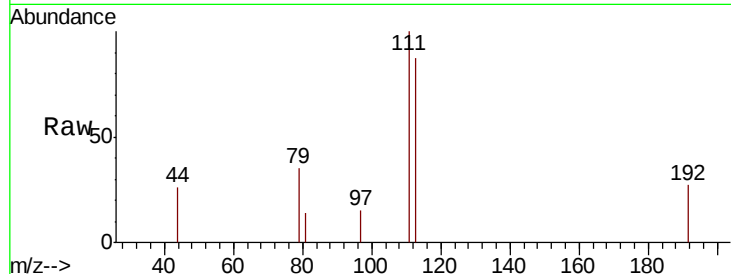
#35
 Dibromofluoromethane
 Concen: 1.15 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.9	83.1	124.7
192	16.2	17.4	26.2

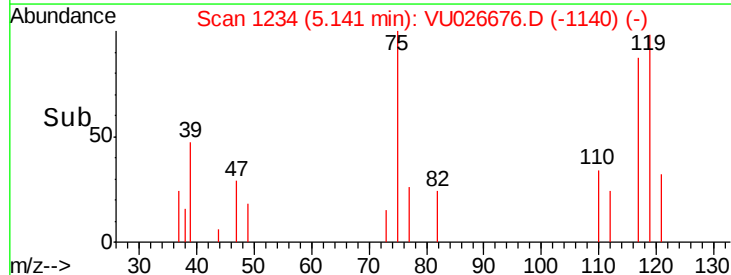
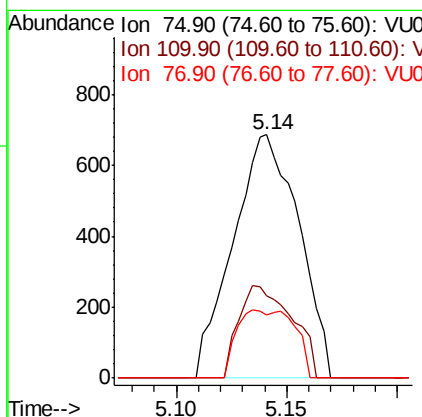
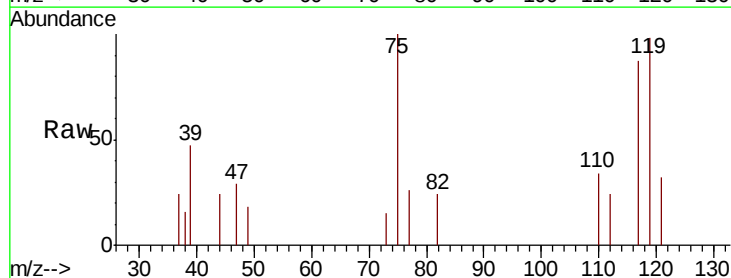
Manual Integrations
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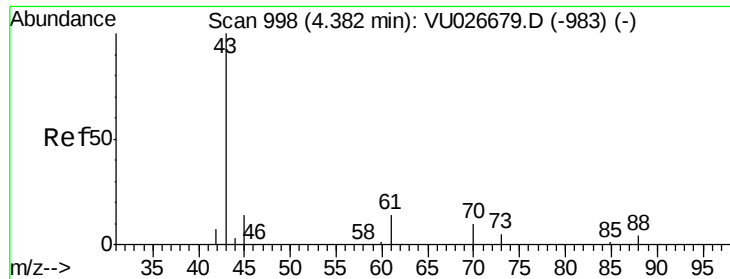
MMDadoda
 9/13/2018 4:48:52 PM



#36
 1,1-Dichloropropene
 Concen: 0.87 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.9	17.3	51.9
77	24.4	24.9	37.3





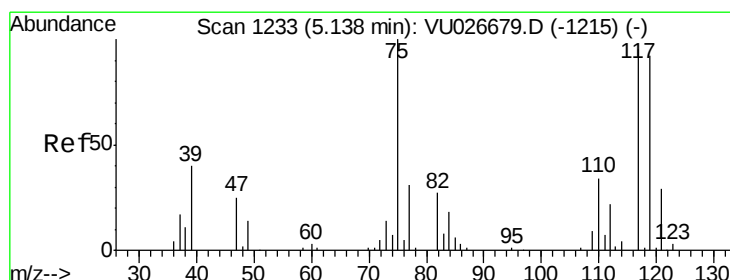
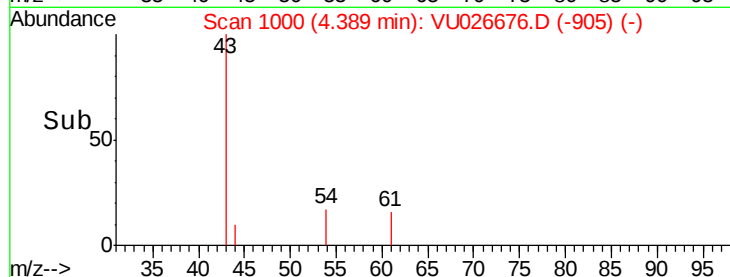
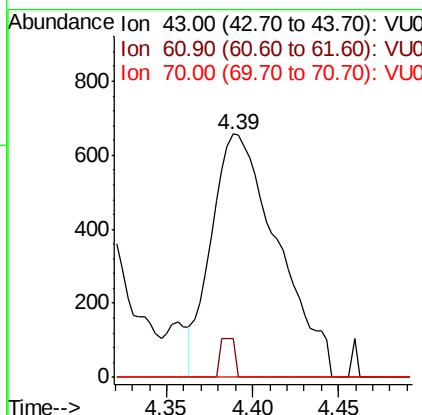
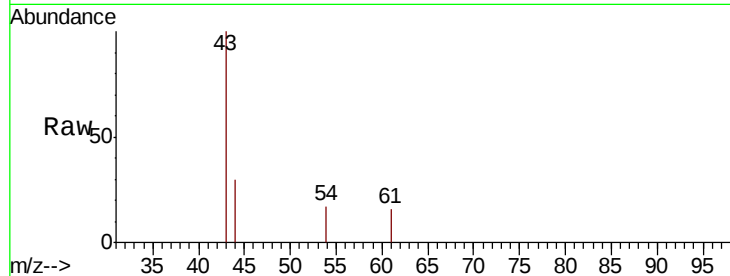
#37
Ethyl Acetate
Concen: 0.90 ug/l
RT: 4.39 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	3.4	11.5	17.3#
70	0.0	7.8	11.8#

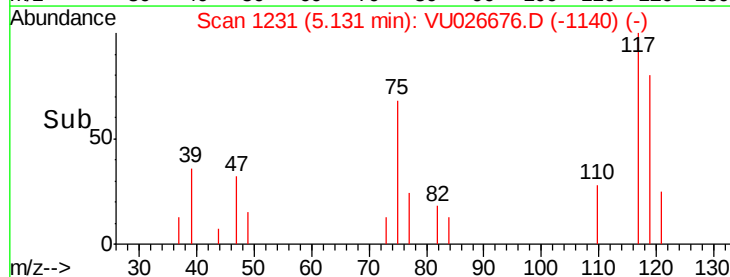
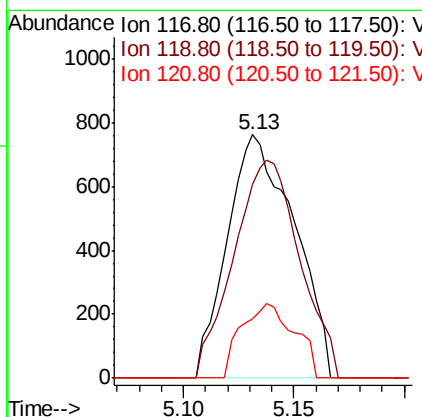
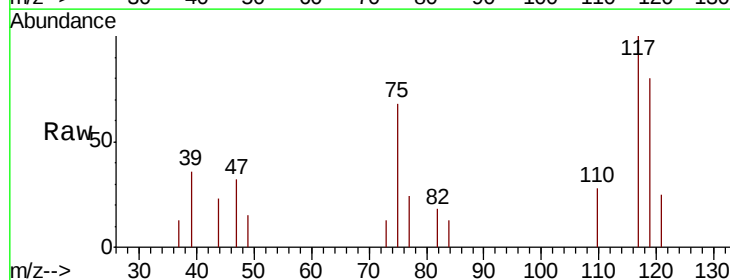
Manual Integrations
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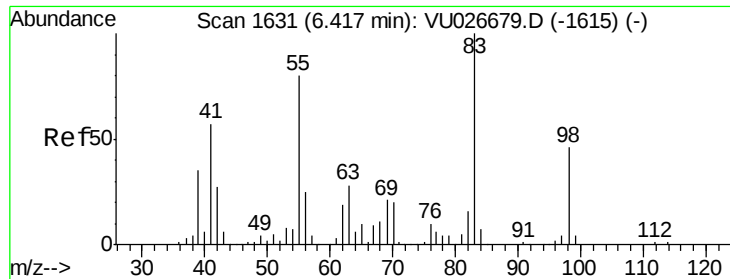
MMDadoda
9/13/2018 4:48:52 PM



#38
Carbon Tetrachloride
Concen: 0.93 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.6	77.8	116.8
121	24.5	25.0	37.4#





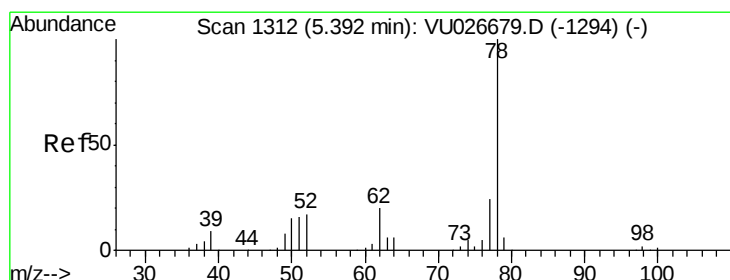
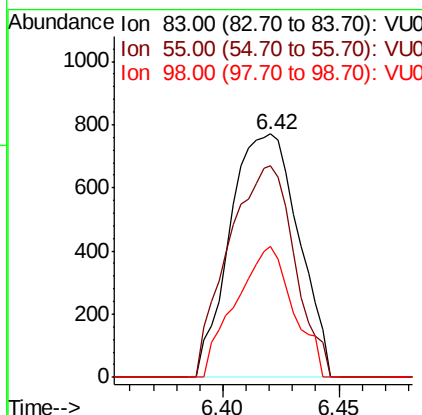
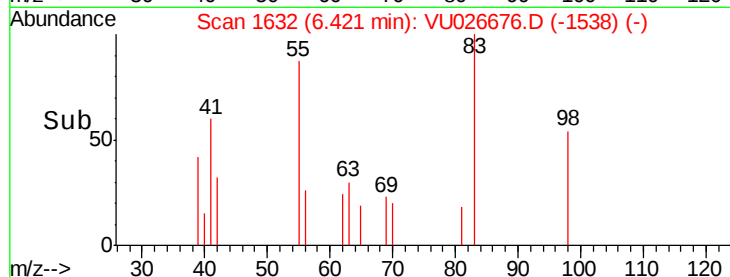
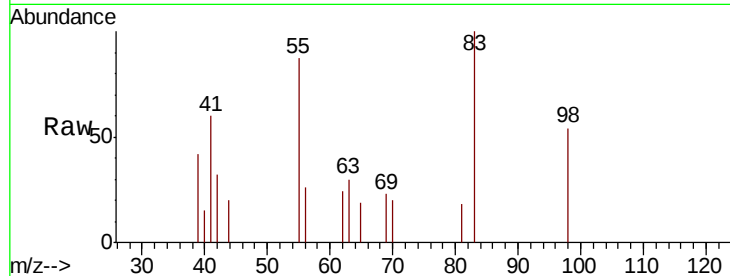
#39
Methvlcvclohexane
Concen: 0.81 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	63.8	95.6
98	53.6	37.2	55.8

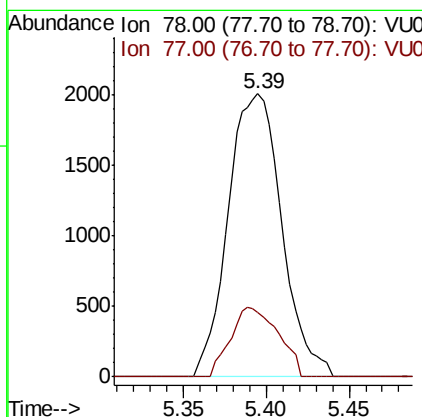
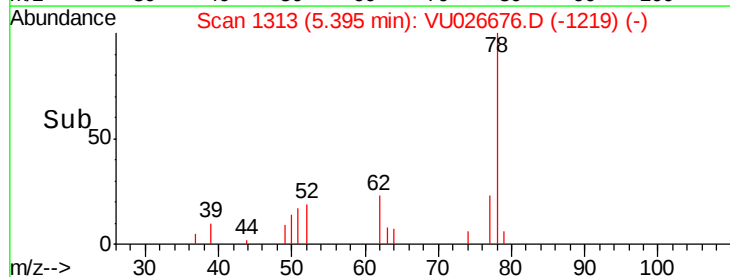
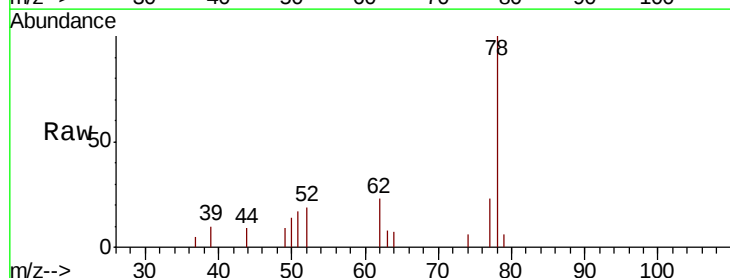
Manual Integrations
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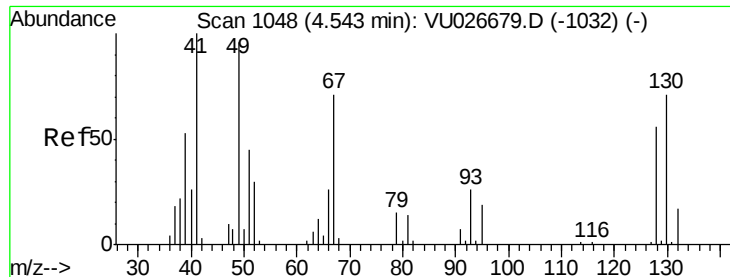
MMDadoda
9/13/2018 4:48:52 PM



#40
Benzene
Concen: 0.89 ug/l
RT: 5.39 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.5	29.3





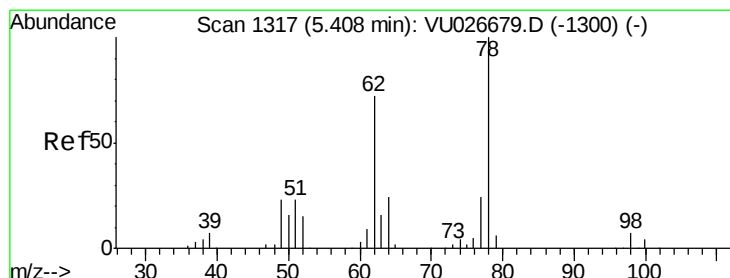
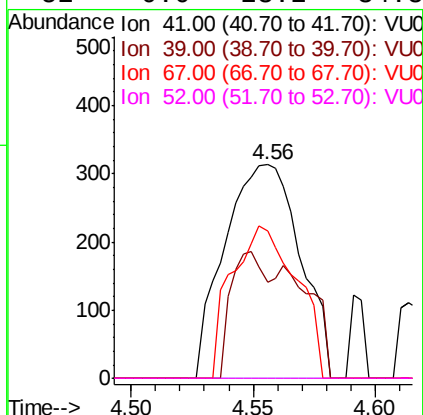
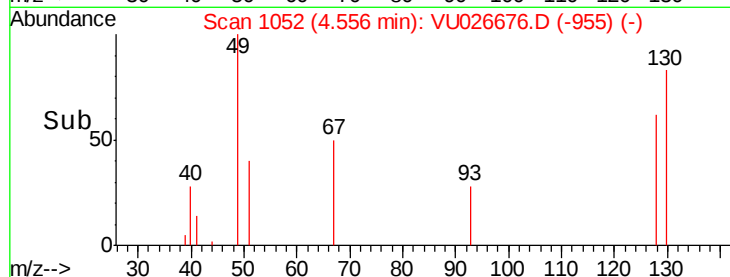
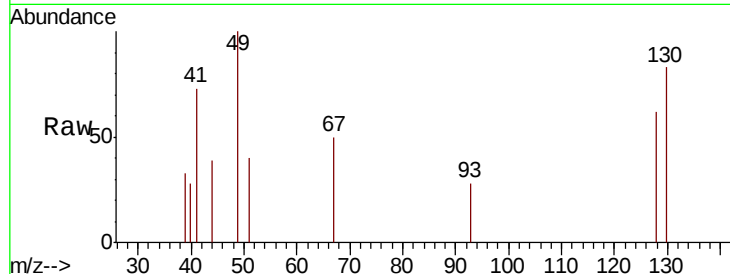
#41
Methacrylonitrile
Concen: 0.66 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	27.3	42.9	64.3	#
67	61.4	56.6	84.8	
52	0.0	23.2	34.8	#

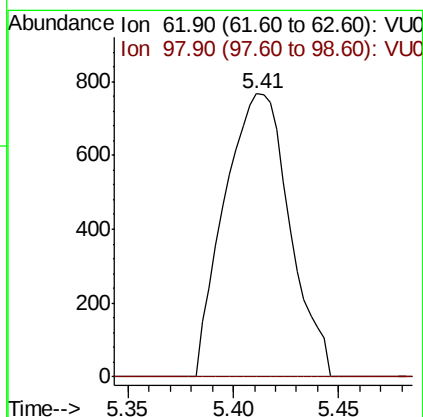
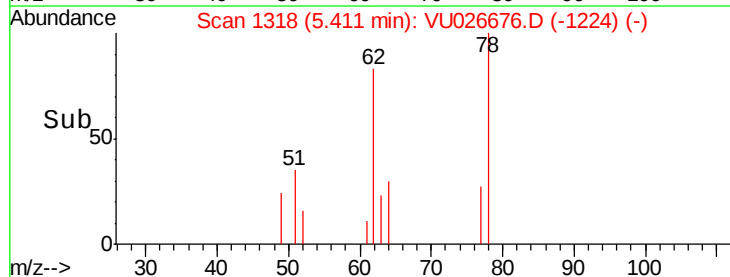
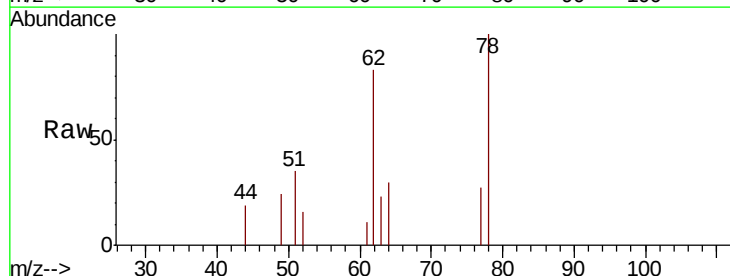
Manual Integrations
APPROVED

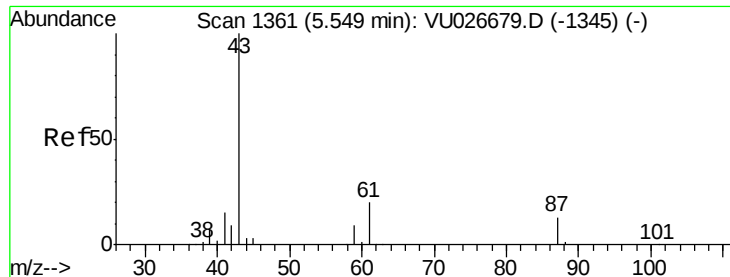
MMDadoda
9/13/2018 4:48:52 PM



#42
1,2-Dichloroethane
Concen: 0.91 ug/l
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	0.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 0.79 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

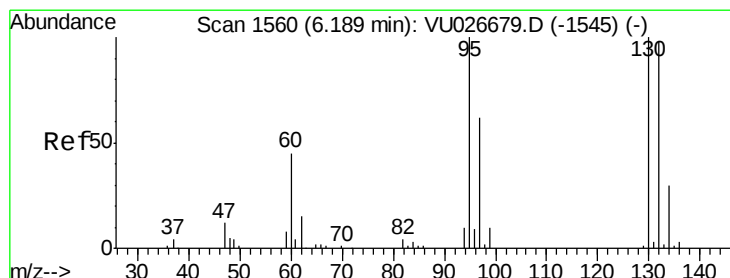
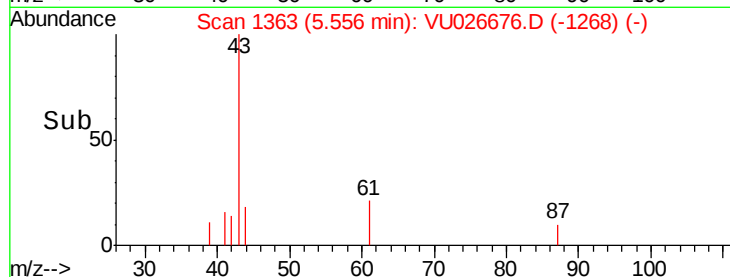
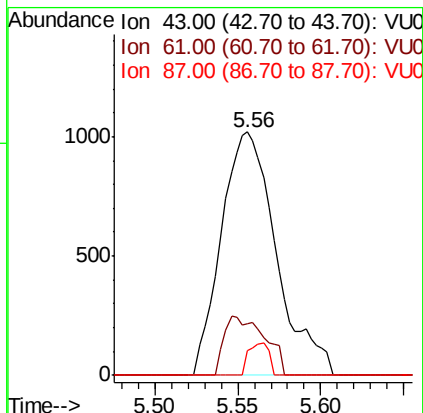
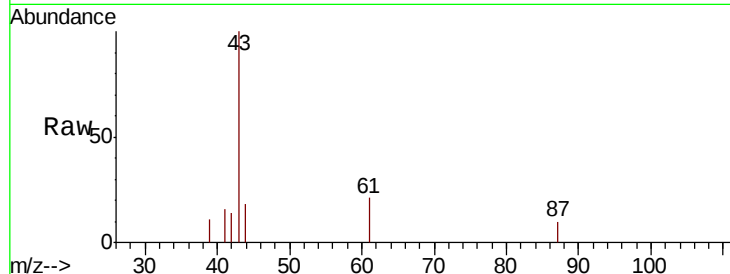
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	2354
Ion	Ratio	Lower	Upper
43	100		
61	17.8	16.0	24.0
87	4.8	10.1	15.1#

Manual Integrations
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#44

Trichloroethene

Concen: 0.87 ug/l

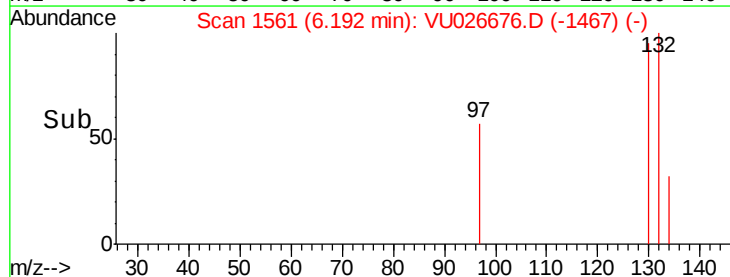
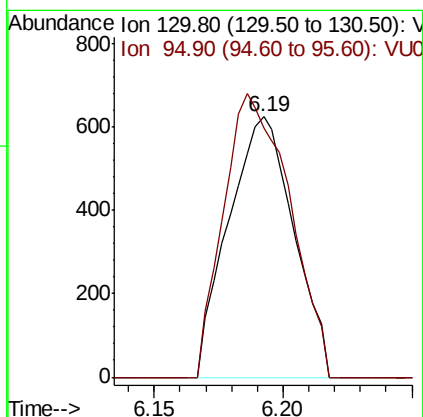
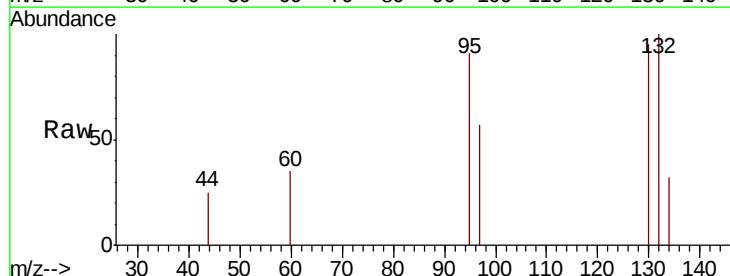
RT: 6.19 min Scan# 1561

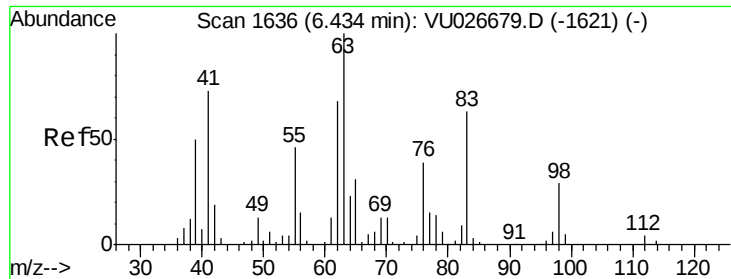
Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion:	130	Resp:	1100
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	199.4





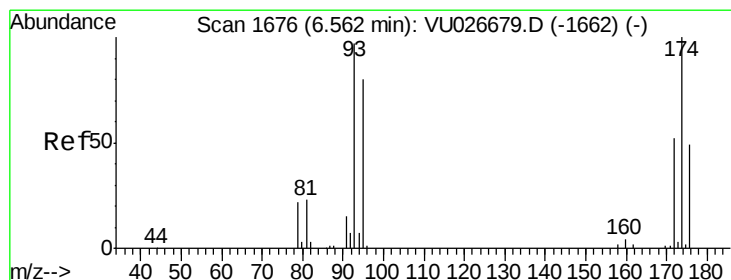
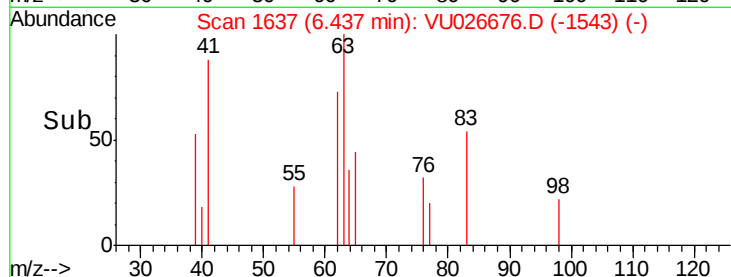
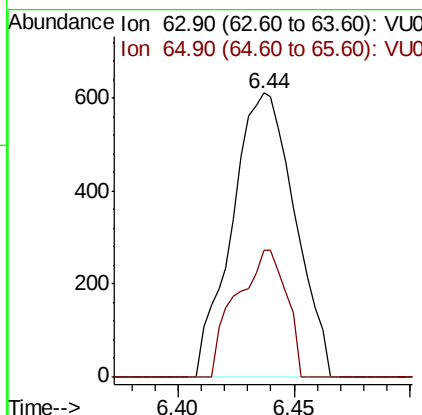
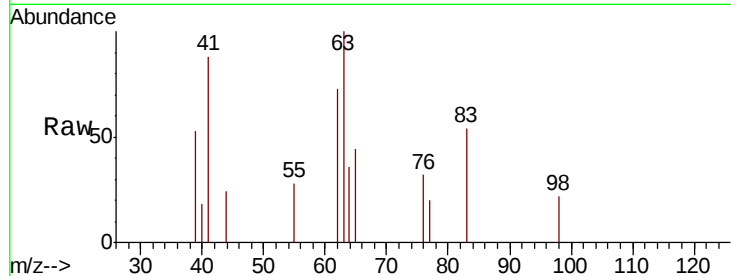
#45
 1,2-Dichloropropane
 Concen: 0.83 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 1149
 Ion Ratio Lower Upper
 63 100
 65 44.4 25.0 37.4#

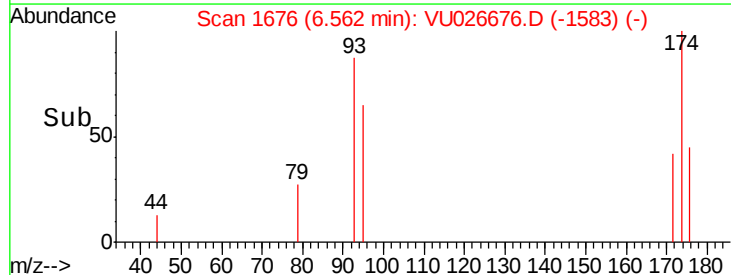
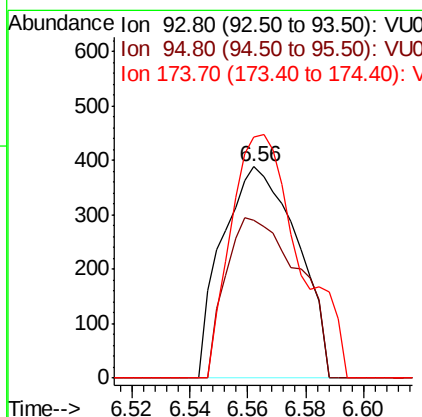
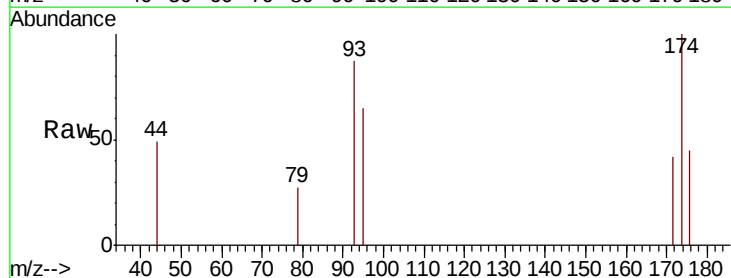
Manual Integrations
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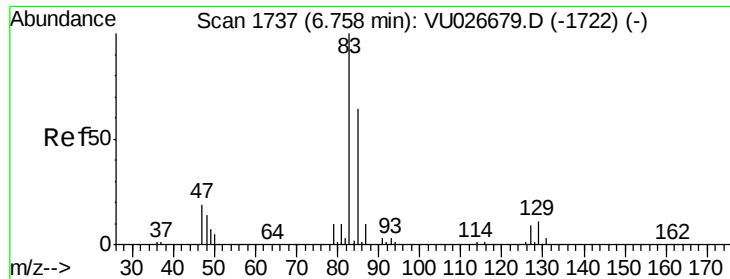
MMDadoda
 9/13/2018 4:48:52 PM



#46
 Dibromomethane
 Concen: 0.78 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion: 93 Resp: 698
 Ion Ratio Lower Upper
 93 100
 95 73.8 65.4 98.2
 174 105.2 81.6 122.4





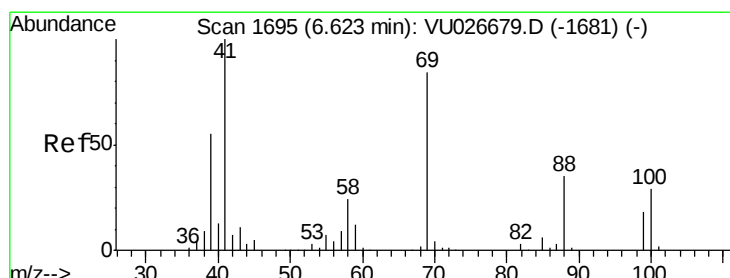
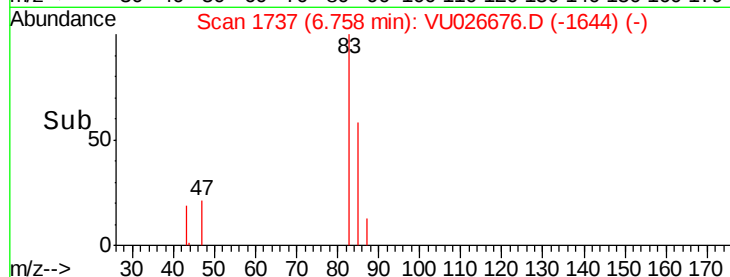
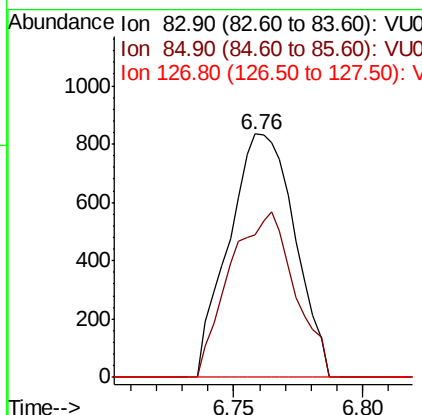
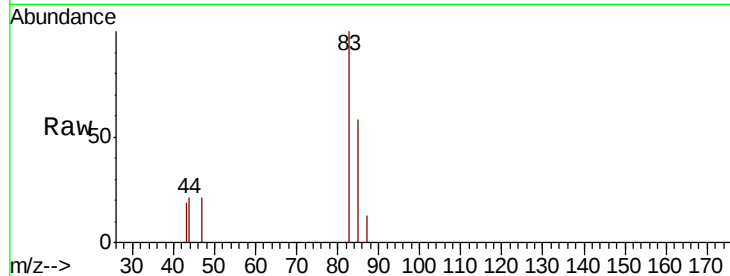
#47
Bromodichloromethane
Concen: 0.85 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.1	76.7
127	0.0	6.9	10.3#

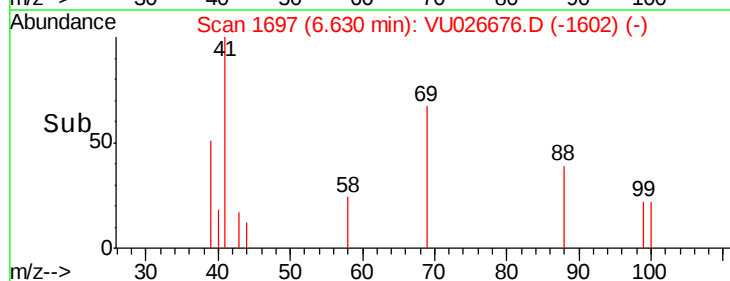
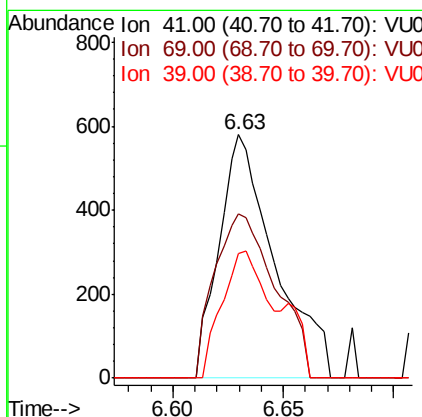
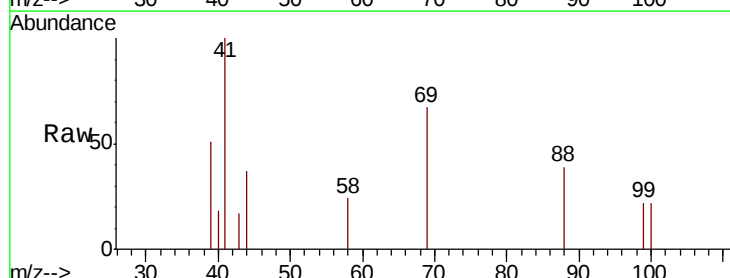
Manual Integrations
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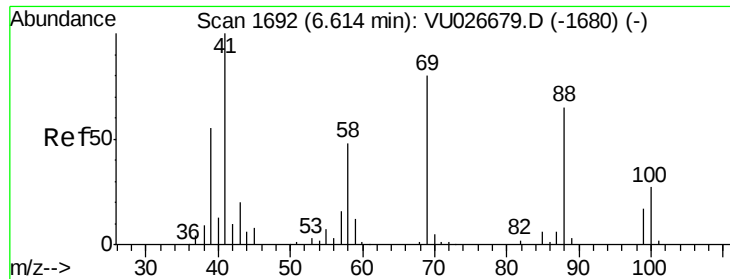
MMDadoda
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#48
Methyl methacrylate
Concen: 0.69 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.5	66.6	99.8
39	43.6	43.6	65.4#





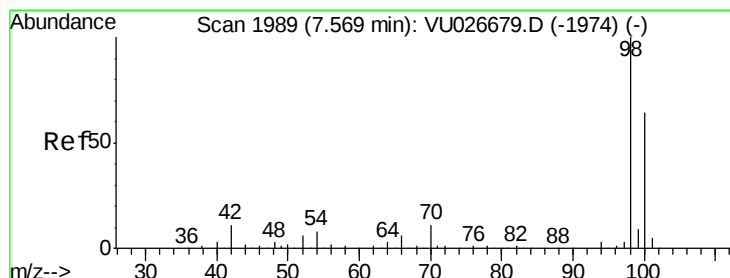
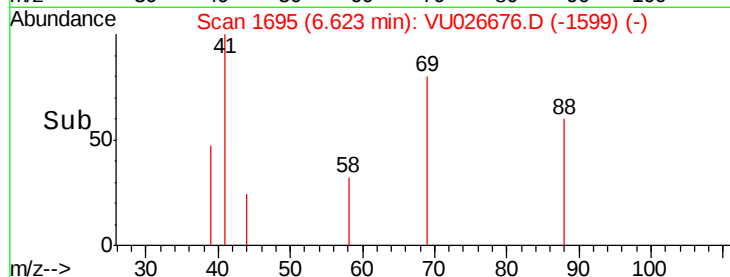
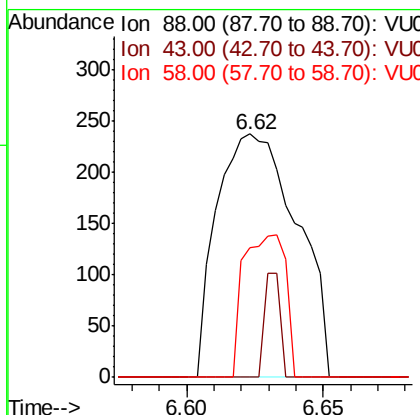
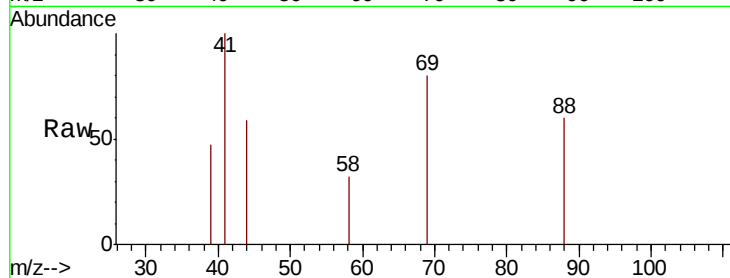
#49
1,4-Dioxane
Concen: 14.08 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.5	38.3#
58	30.4	58.2	87.4#

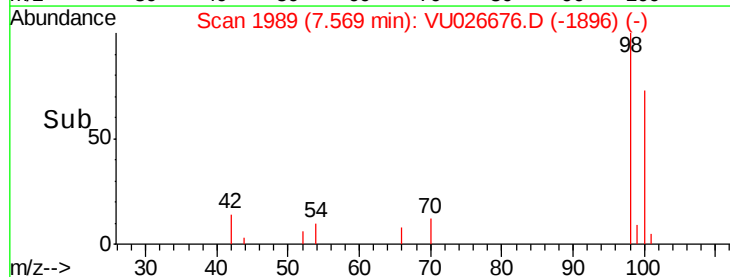
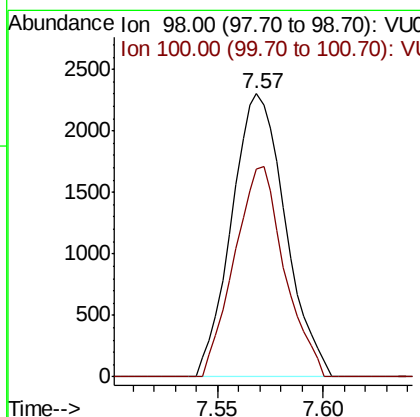
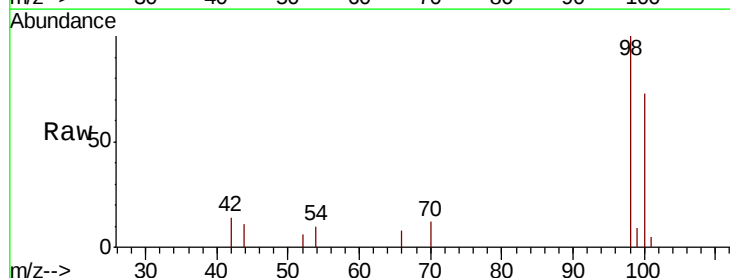
Manual Integrations
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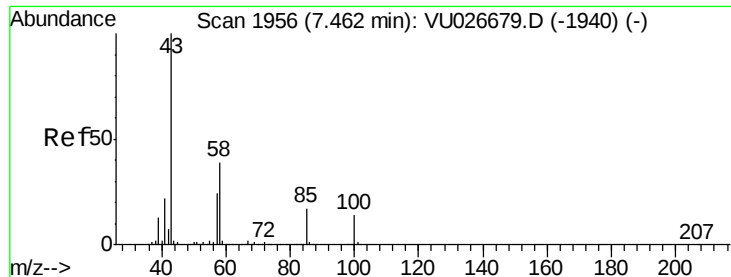
MMDadoda
9/13/2018 4:48:52 PM



#50
Toluene-d8
Concen: 0.93 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 3.83 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 7677

Ion Ratio Lower Upper

43 100

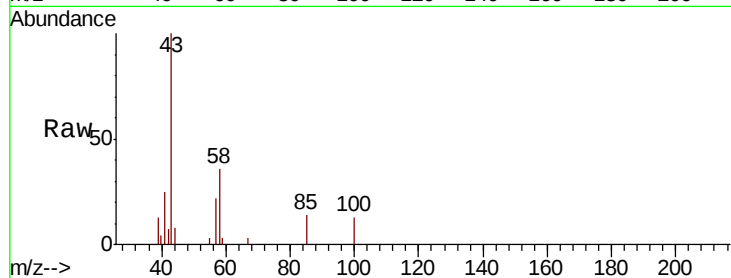
58 33.4 31.1 46.7

Manual Integrations

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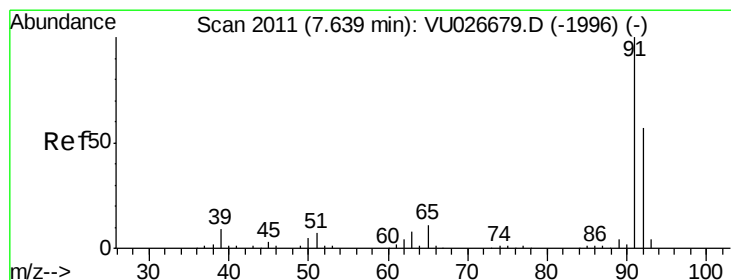
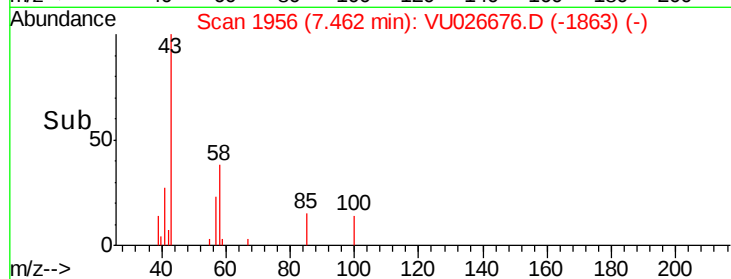
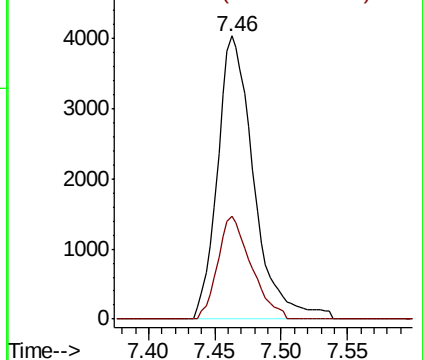
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 0.77 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU026676.D

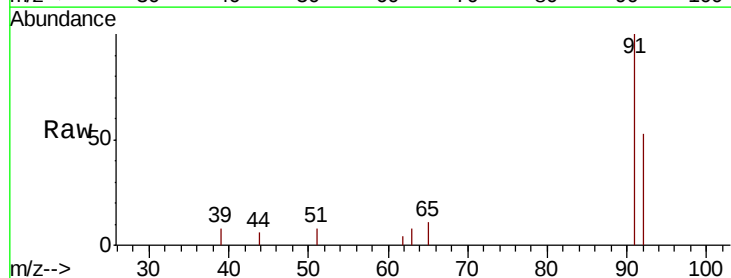
Acq: 11 Sep 2018 10:34

Tgt Ion: 92 Resp: 2332

Ion Ratio Lower Upper

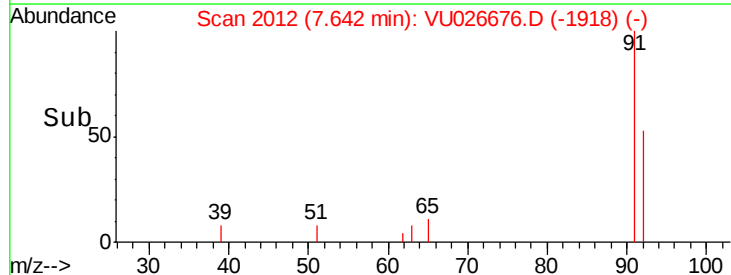
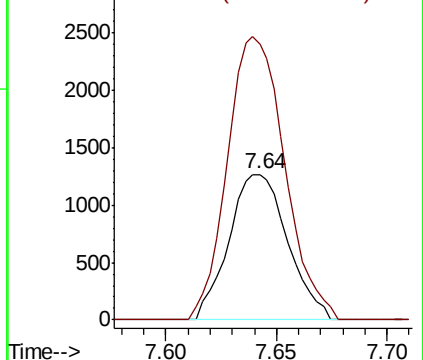
92 100

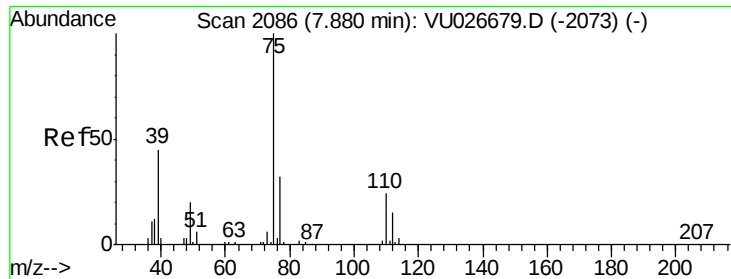
91 190.5 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





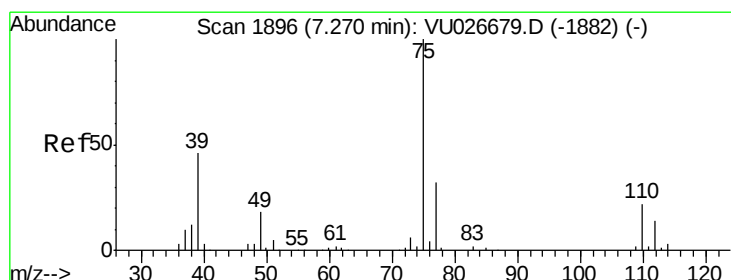
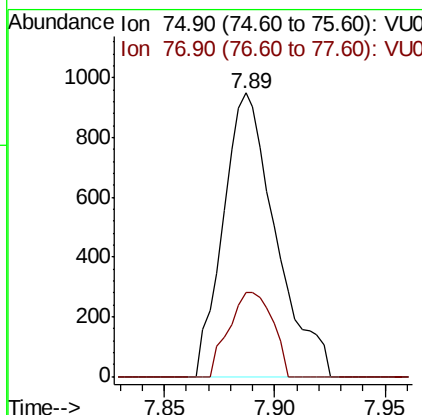
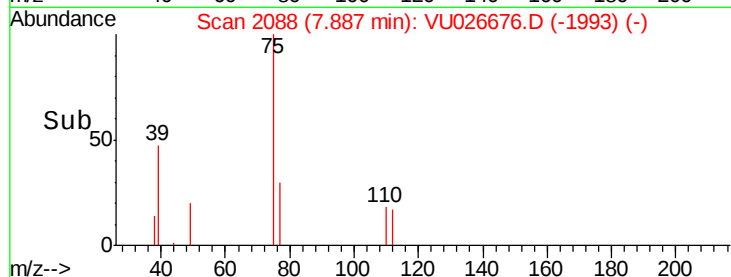
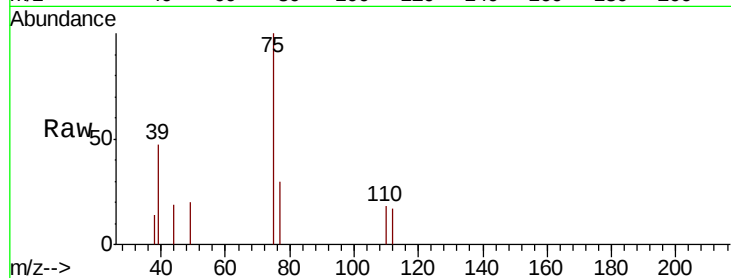
#53
t-1,3-Dichloropropene
Concen: 0.80 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion: 75 Resp: 1563
Ion Ratio Lower Upper
75 100
77 29.5 25.2 37.8

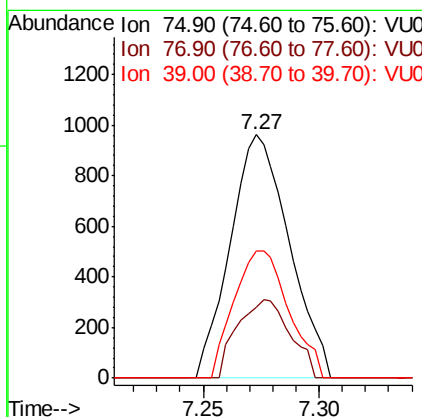
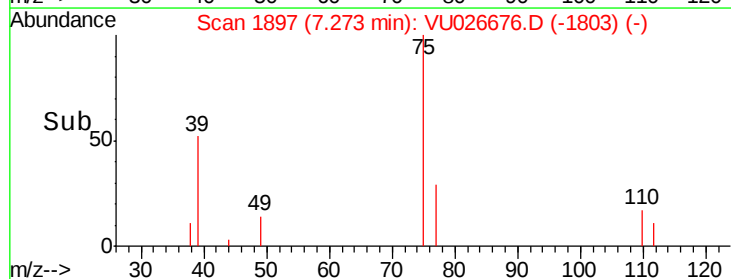
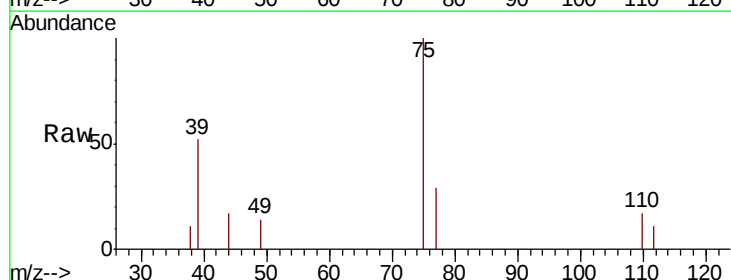
Manual Integrations
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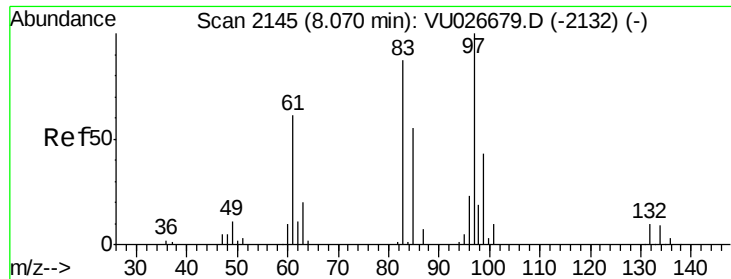
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#54
cis-1,3-Dichloropropene
Concen: 0.81 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 75 Resp: 1698
Ion Ratio Lower Upper
75 100
77 29.2 25.5 38.3
39 52.3 37.0 55.6





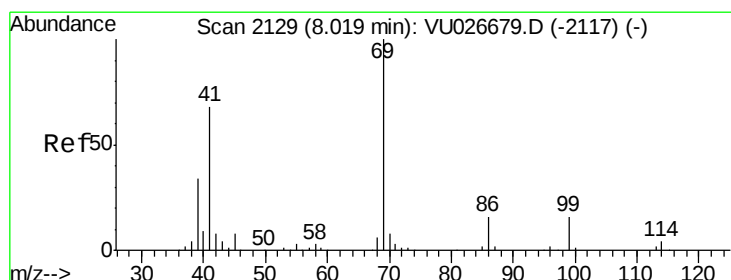
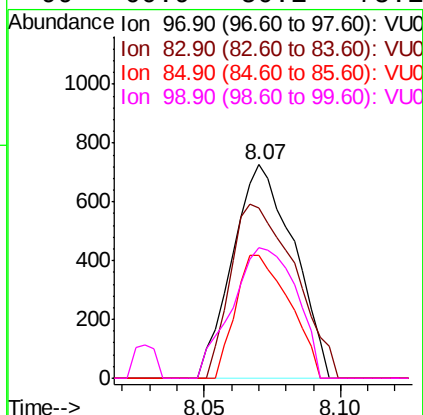
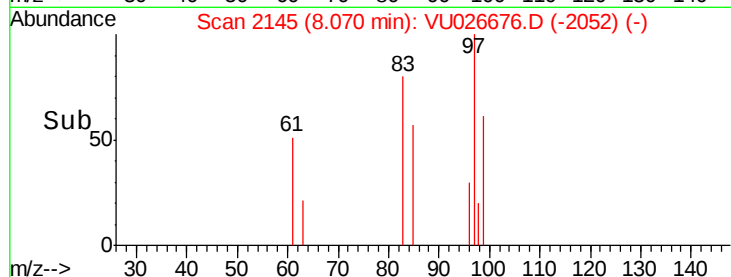
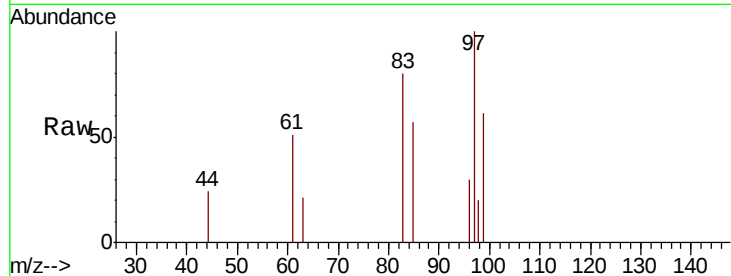
#55
 1,1,2-Trichloroethane
 Concen: 0.87 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	1135
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.3	103.9
85	57.5	45.9	68.9
99	60.9	50.1	75.1

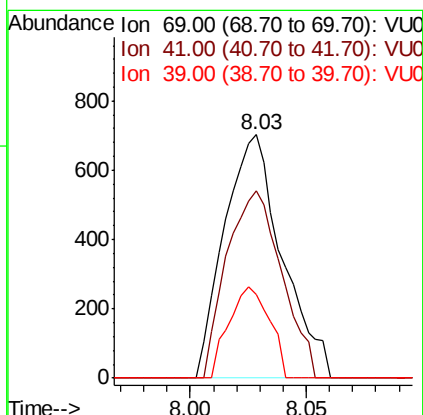
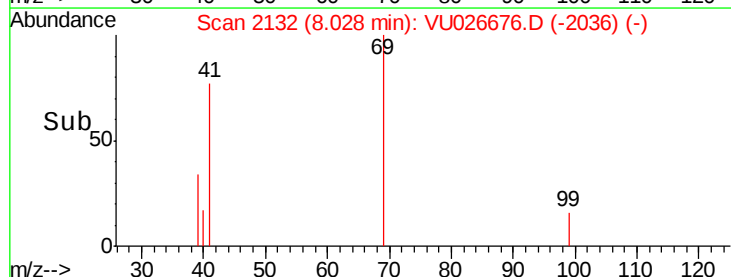
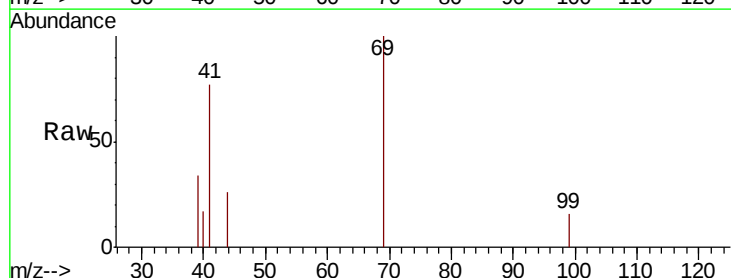
Manual Integrations
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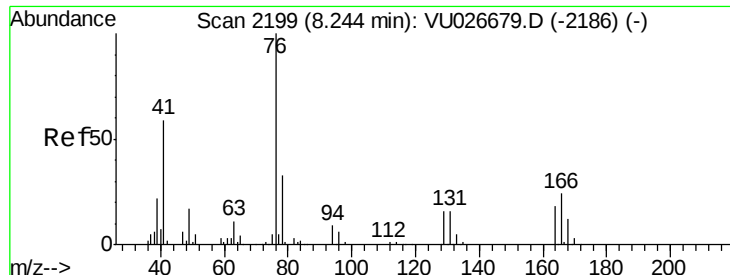
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 0.64 ug/l
 RT: 8.03 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion:	69	Resp:	1214
Ion	Ratio	Lower	Upper
69	100		
41	73.1	54.2	81.2
39	26.4	28.4	42.6#





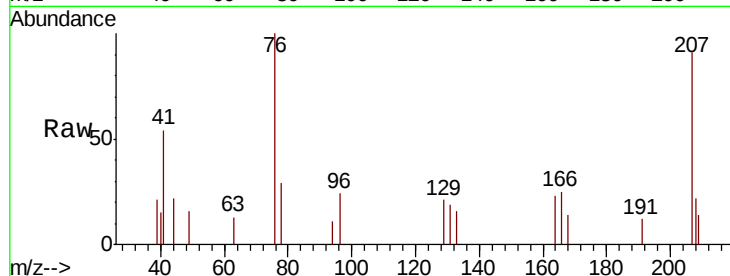
#57
 1,3-Dichloropropane
 Concen: 0.80 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

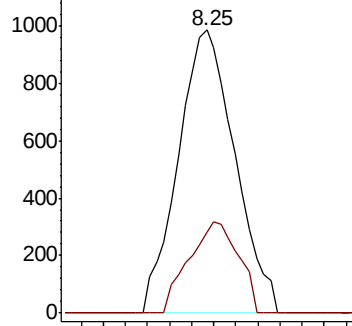
Tot Ion	Ratio	Lower	Upper
76	100		
78	28.1	26.0	39.0

Manual Integrations
 APPROVED

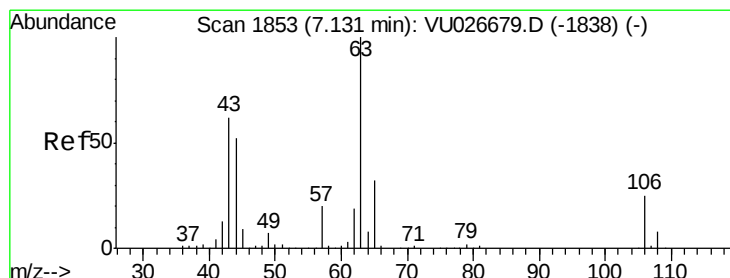
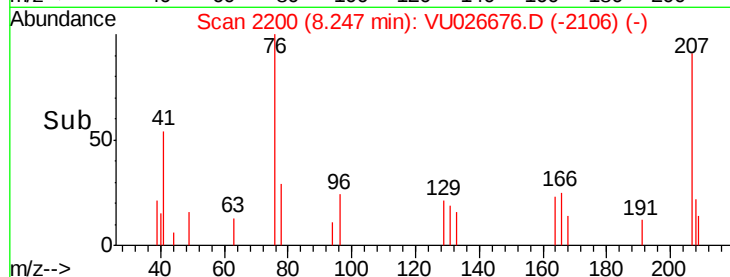
MMDadoda
 9/13/2018 4:48:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

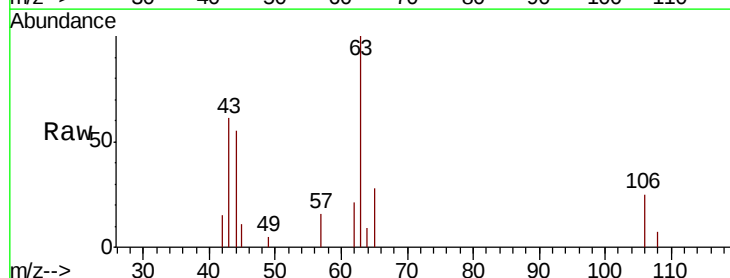


Time-->

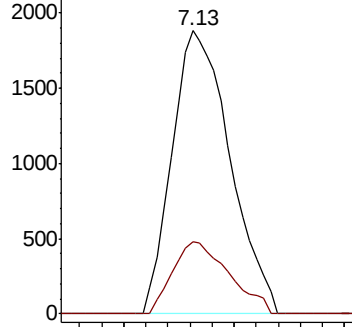


#58
 2-Chloroethyl Vinyl ether
 Concen: 3.66 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

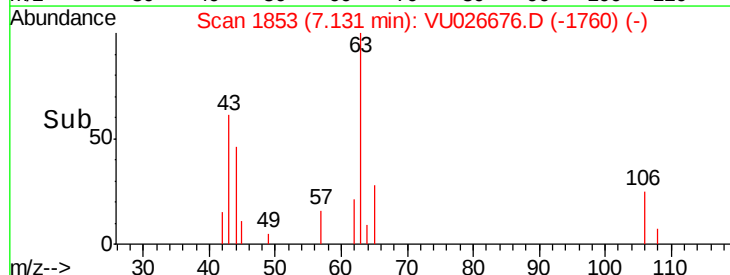
Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.5	30.7

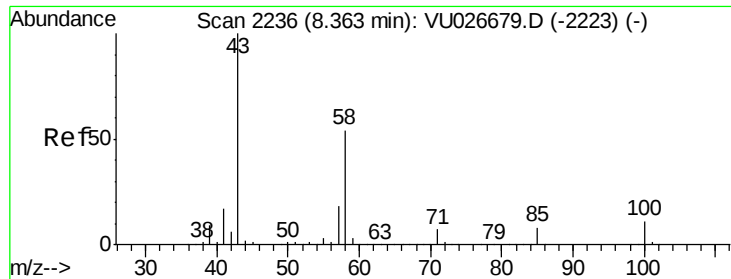


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 105.90 (105.60 to 106.60): V



Time-->





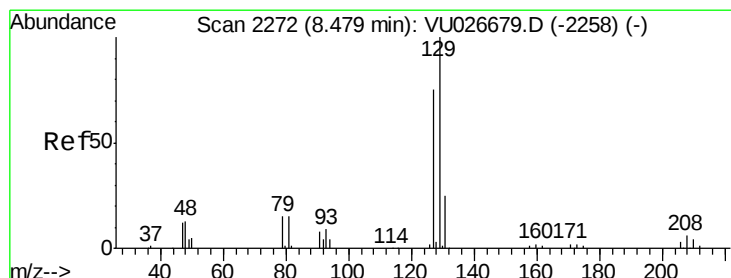
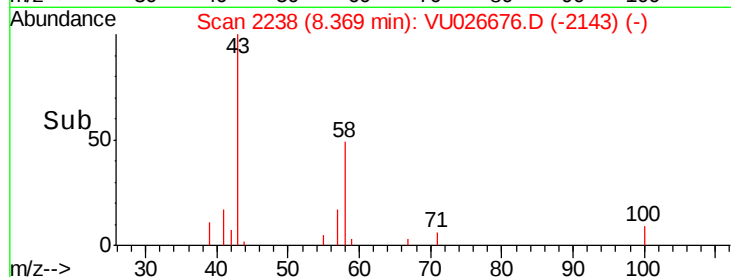
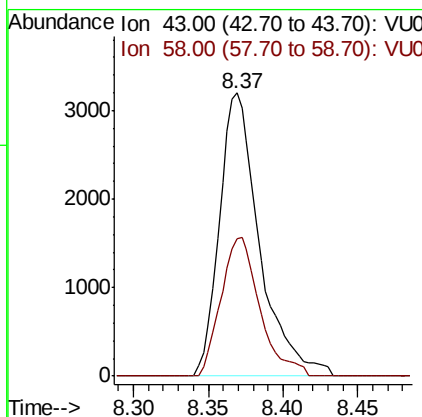
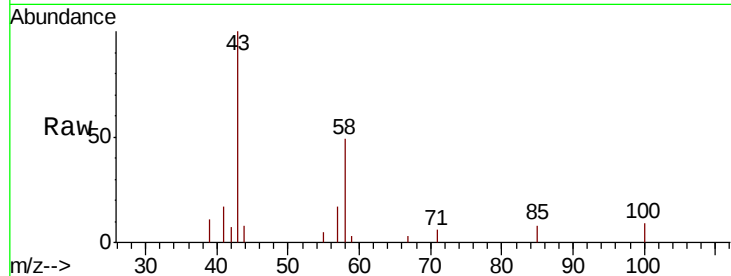
#59
2-Hexanone
Concen: 3.78 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.6	26.9	80.7

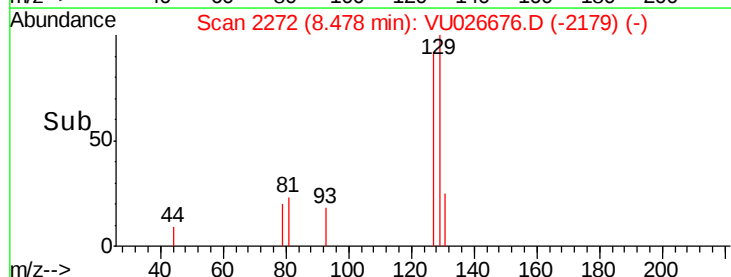
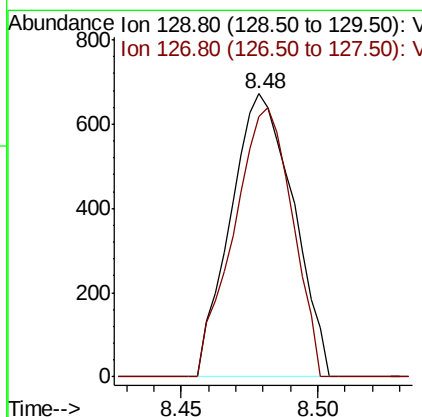
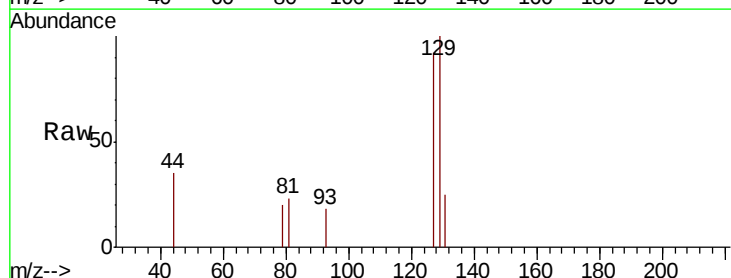
Manual Integrations
APPROVED

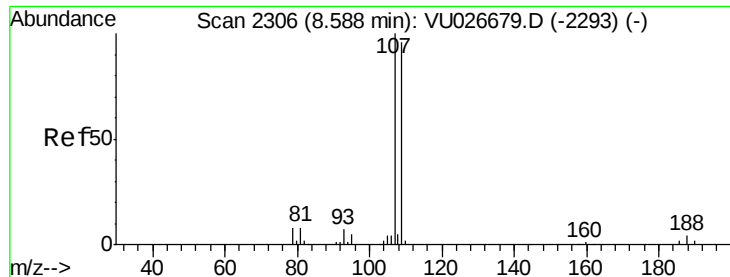
MMDadoda
9/13/2018 4:48:52 PM



#60
Dibromochloromethane
Concen: 0.76 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	88.5	38.3	114.9





#61

1,2-Dibromoethane

Concen: 0.88 ug/l

RT: 8.59 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 107 Resp: 1240

Ion Ratio Lower Upper

107 100

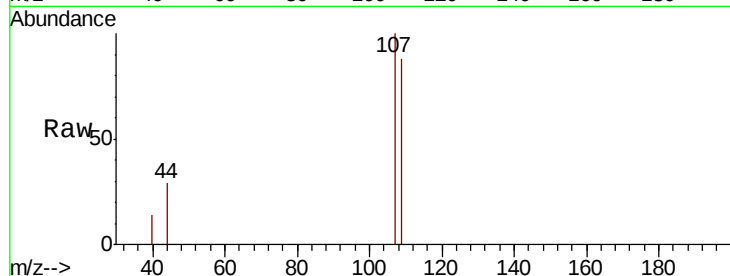
109 89.6 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

9/13/2018 4:48:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

800

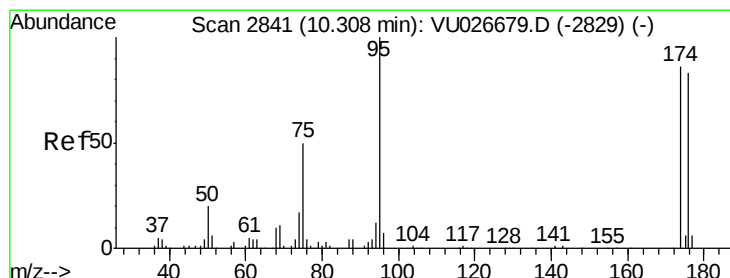
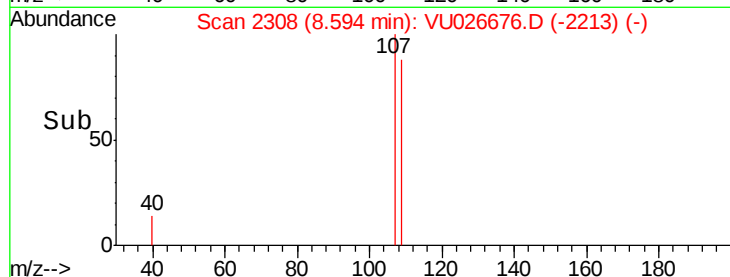
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 0.87 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

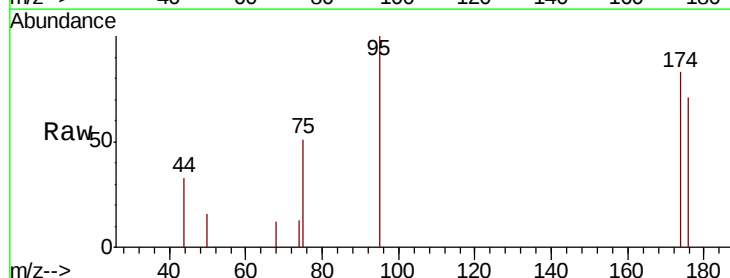
Tgt Ion: 95 Resp: 1380

Ion Ratio Lower Upper

95 100

174 86.0 0.0 172.8

176 77.9 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

1200

1000

800

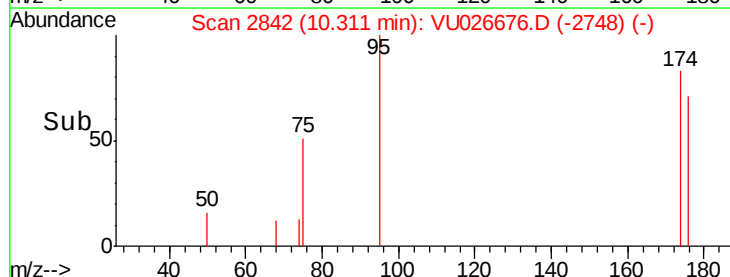
600

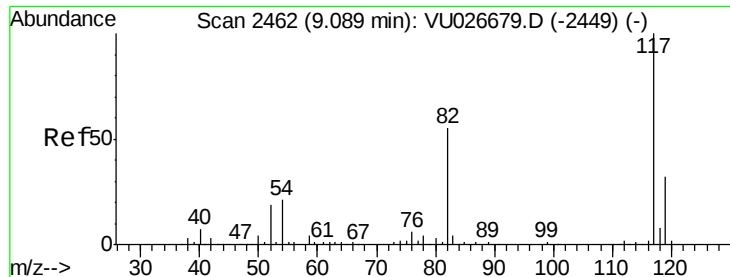
400

200

0

Time-->





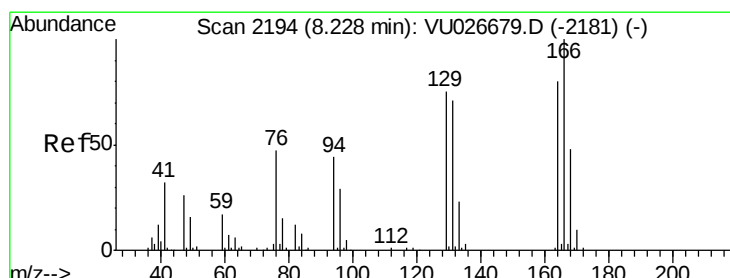
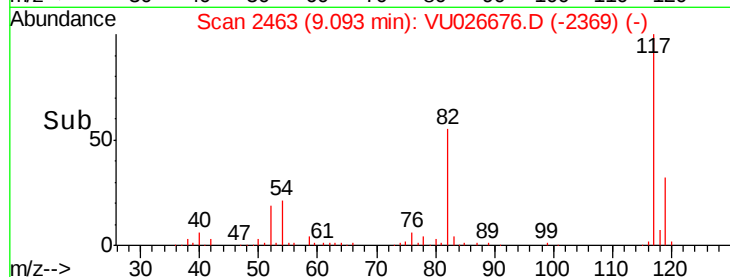
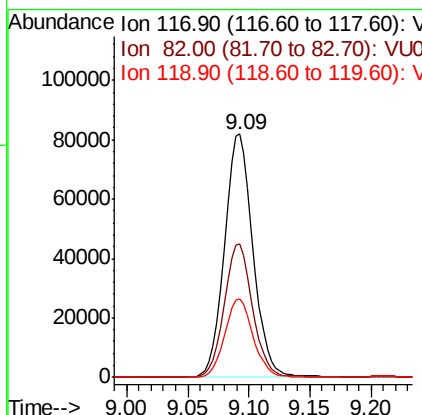
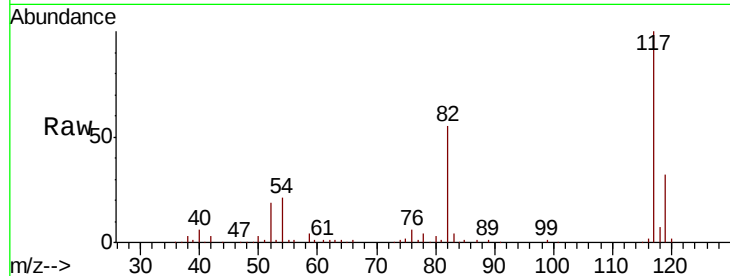
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.1	66.1
119	32.2	25.7	38.5

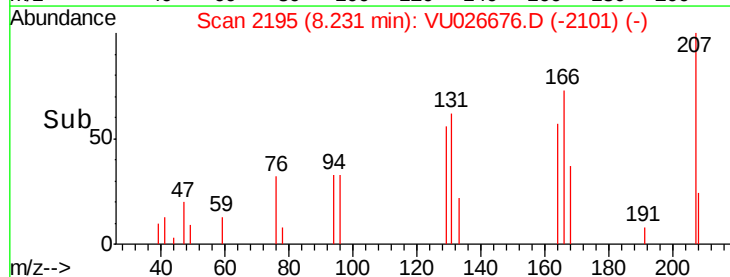
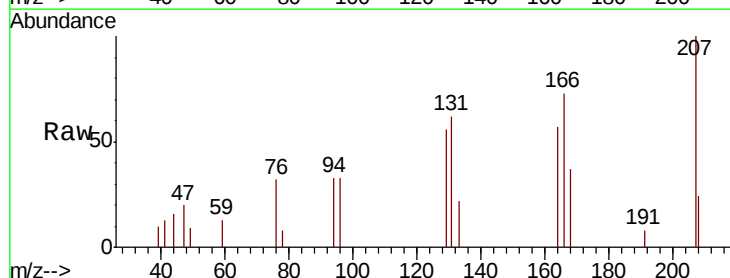
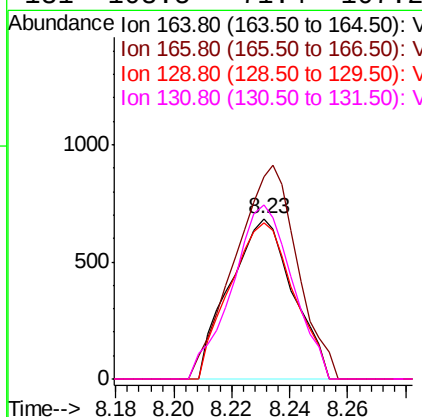
Manual Integrations
APPROVED

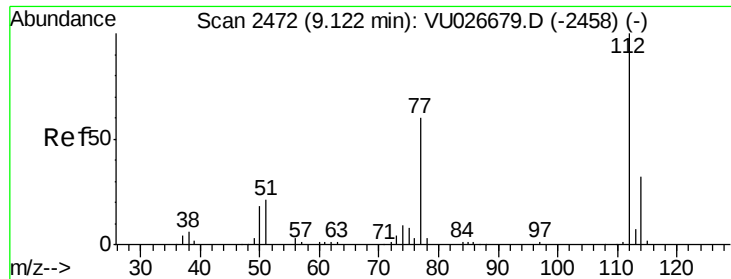
MMDadoda
9/13/2018 4:48:52 PM



#64
Tetrachloroethene
Concen: 0.97 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.5	150.7
129	97.8	75.3	112.9
131	108.5	71.4	107.2#





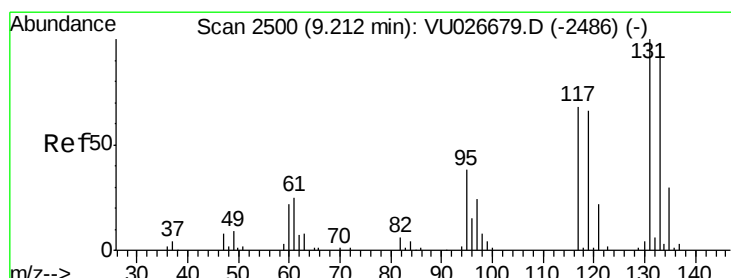
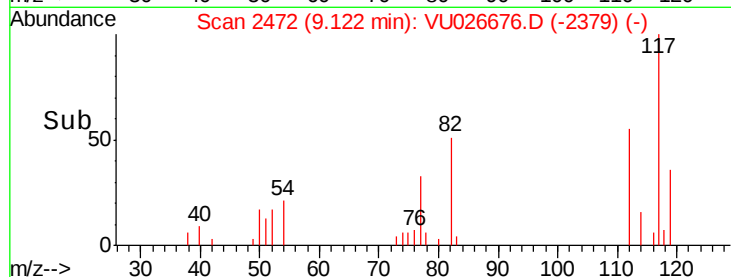
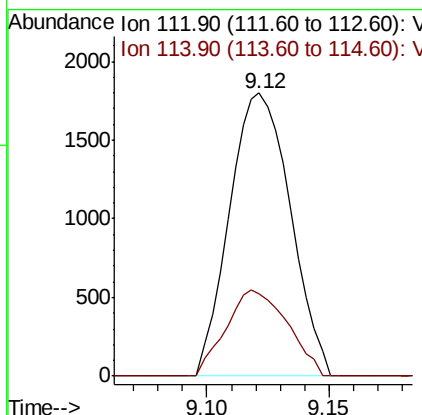
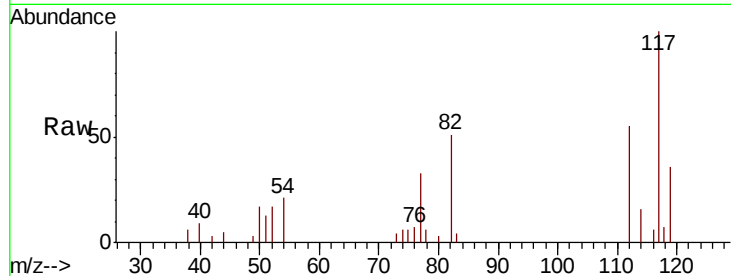
#65
Chlorobenzene
Concen: 0.93 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.0	25.5	38.3

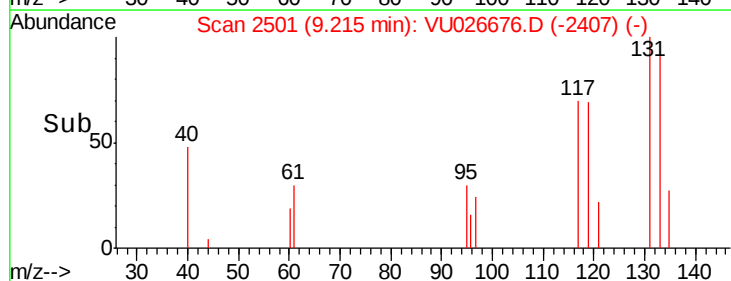
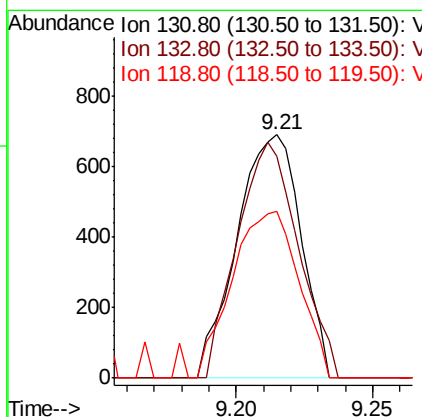
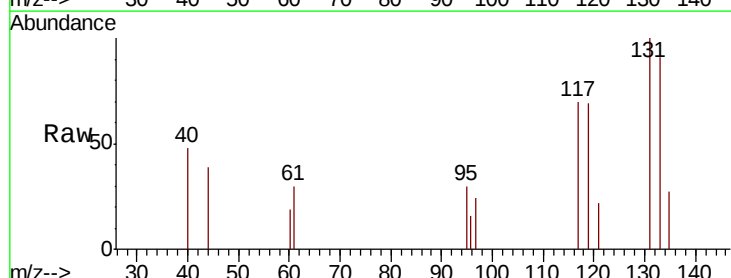
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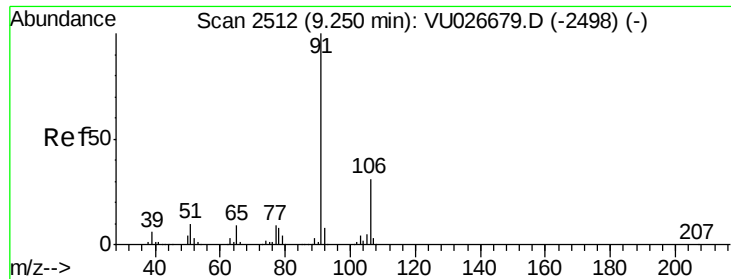
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.91 ug/l
RT: 9.21 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	48.9	146.6
119	0.0	32.7	98.1#





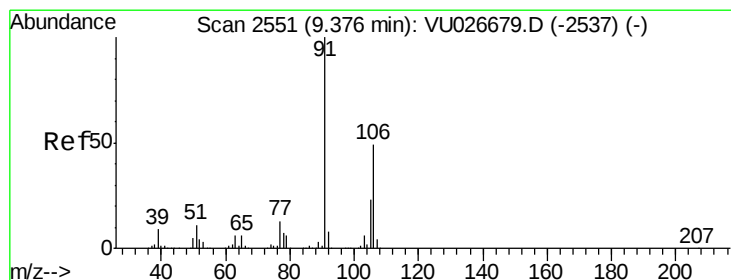
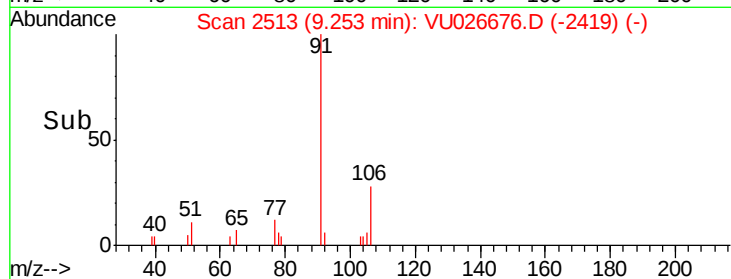
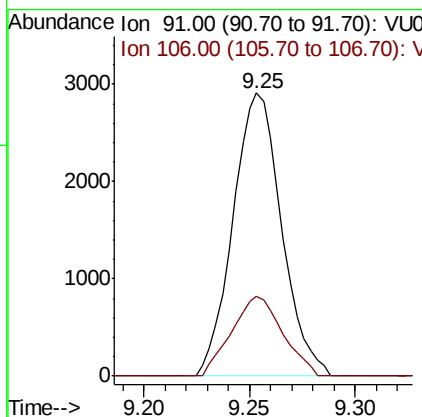
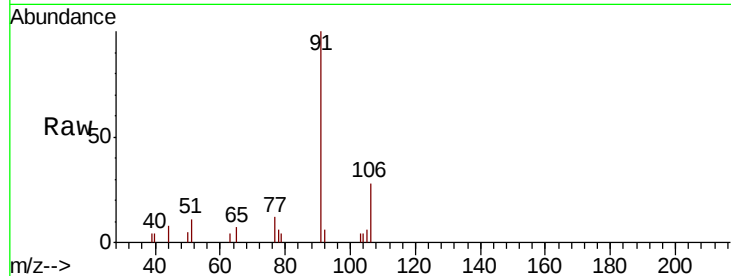
#67
Ethyl Benzene
Concen: 0.85 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 4647
Ion Ratio Lower Upper
91 100
106 28.1 25.0 37.4

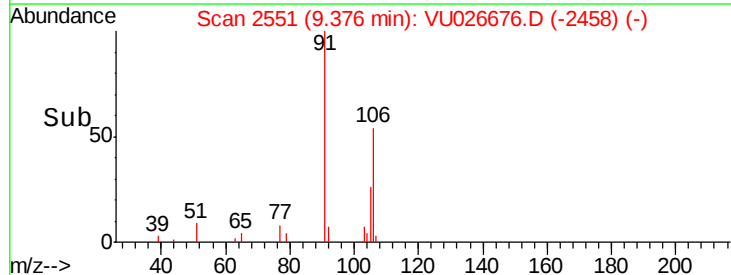
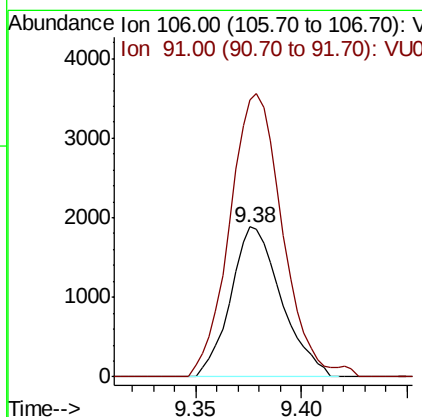
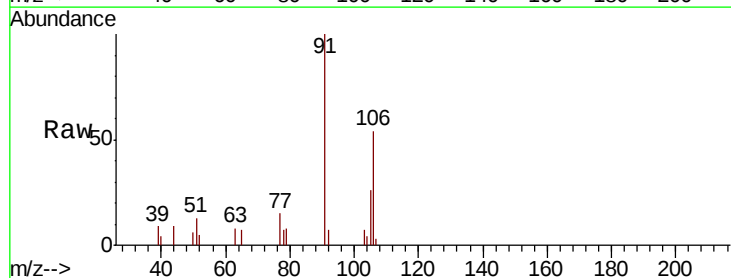
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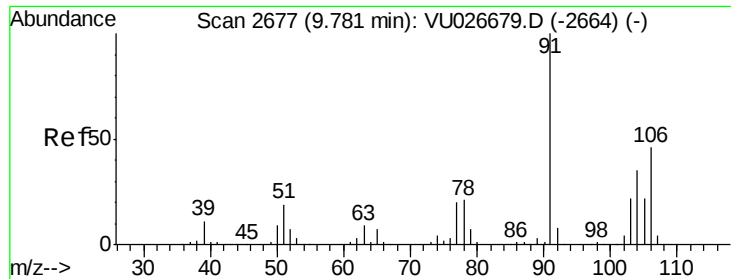
MMDadoda
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#68
m/p-Xylenes
Concen: 1.50 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion: 106 Resp: 3139
Ion Ratio Lower Upper
106 100
91 197.3 162.1 243.1





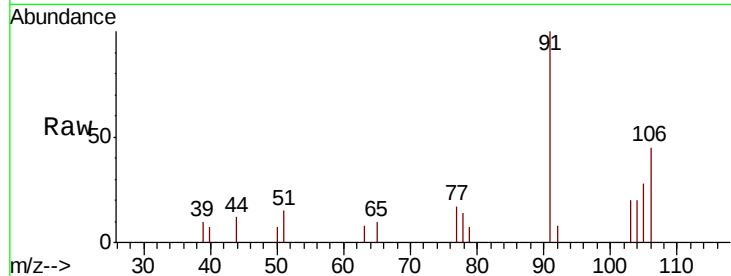
#69
o-Xylene
Concen: 0.70 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

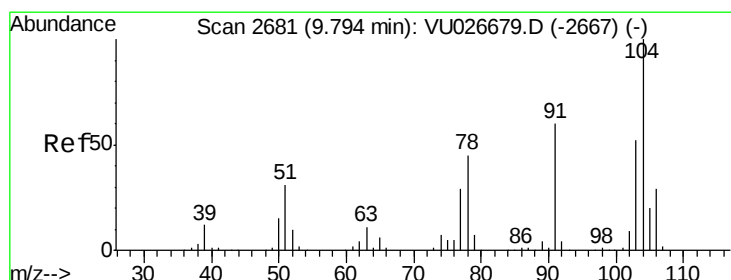
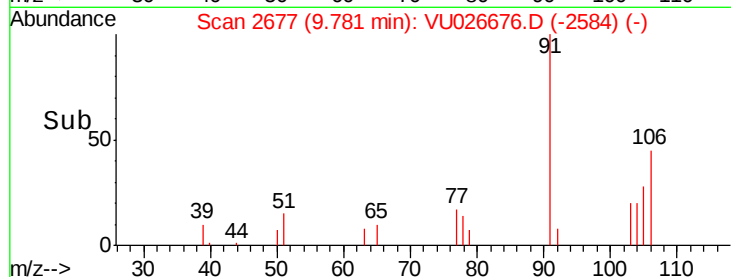
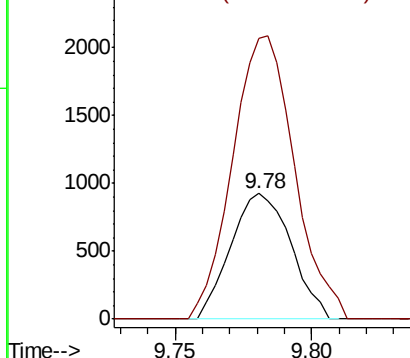
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	230.8	106.9	320.8	

Manual Integrations
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9/13/2018 4:48:52 PM

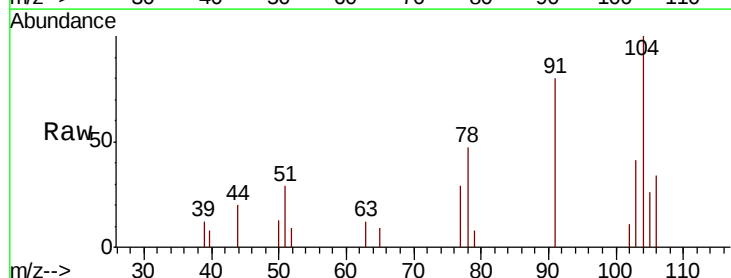


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

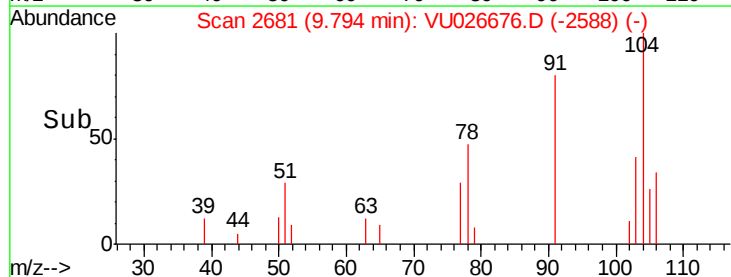
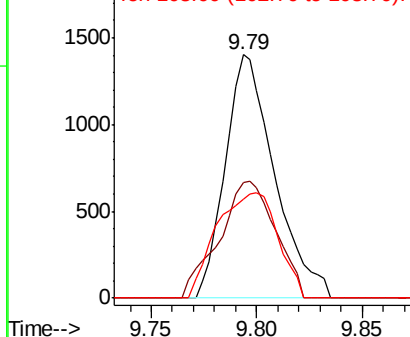


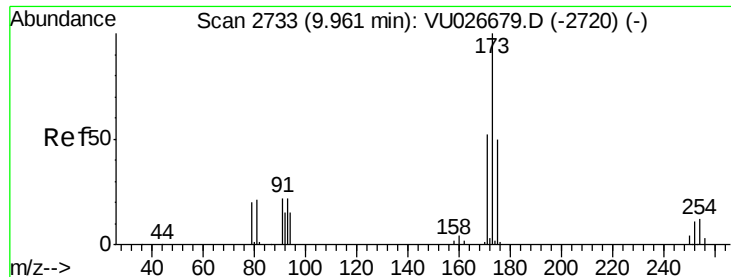
#70
Styrene
Concen: 0.68 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.9	39.4	59.2	
103	53.8	44.5	66.7	



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: 0.76 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 809

Ion Ratio Lower Upper

173 100

175 48.3 24.7 74.1

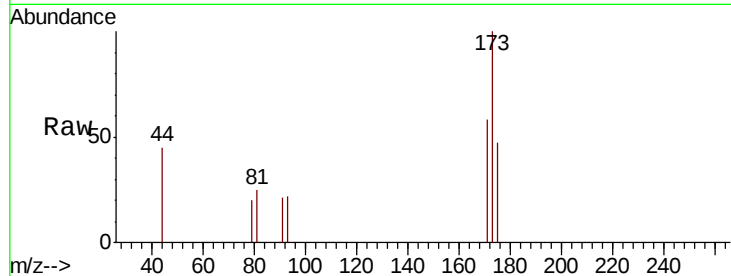
254 0.0 0.0 0.0

Manual Integrations

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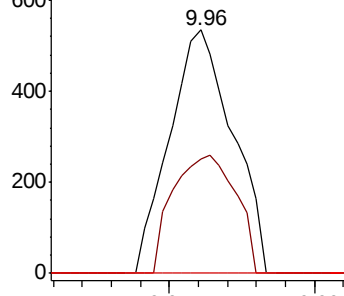
9/13/2018 4:48:52 PM



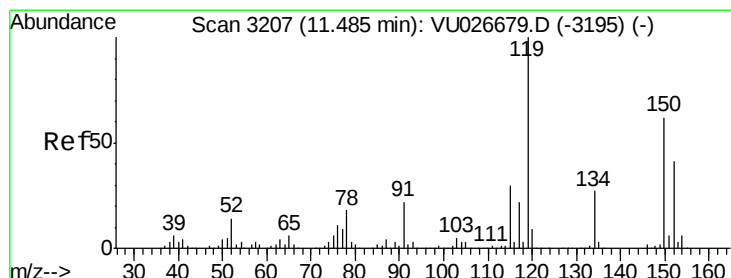
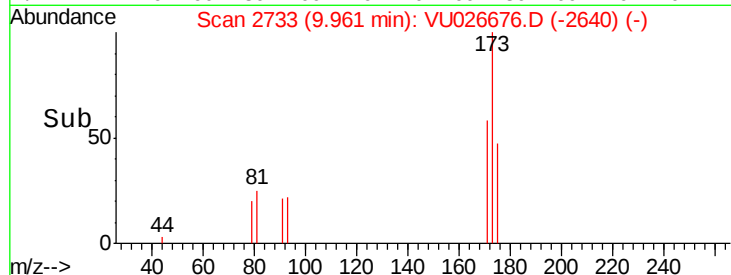
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

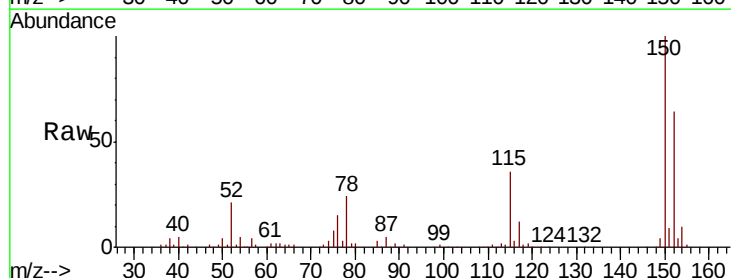
Tgt Ion:152 Resp: 65482

Ion Ratio Lower Upper

152 100

115 55.3 40.4 121.1

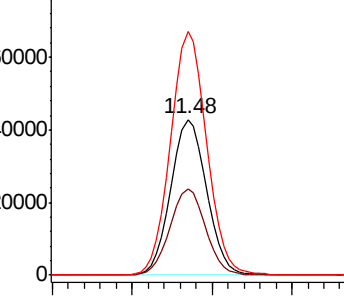
150 157.5 0.0 345.2



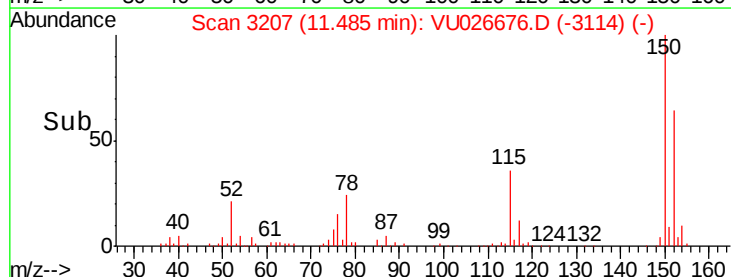
Abundance Ion 151.90 (151.60 to 152.60): V

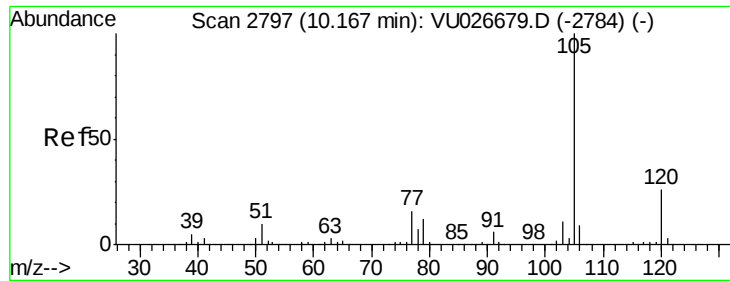
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





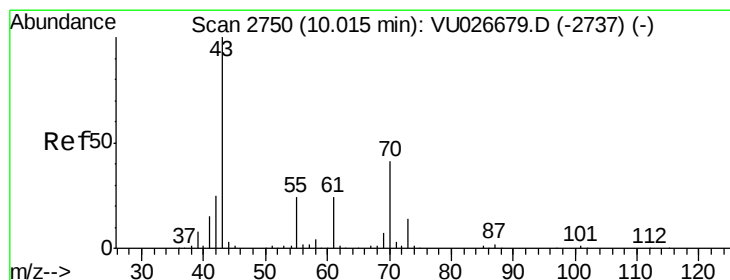
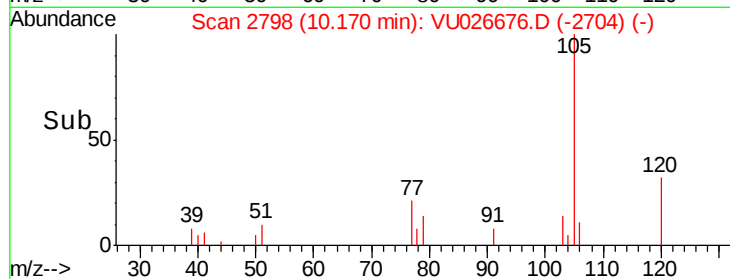
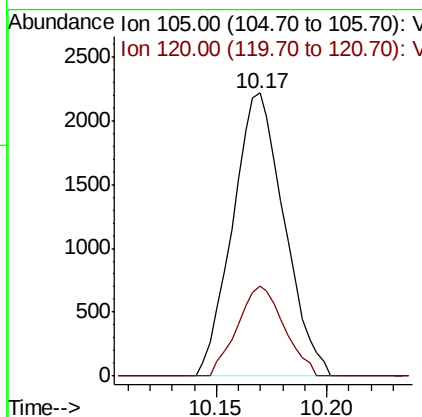
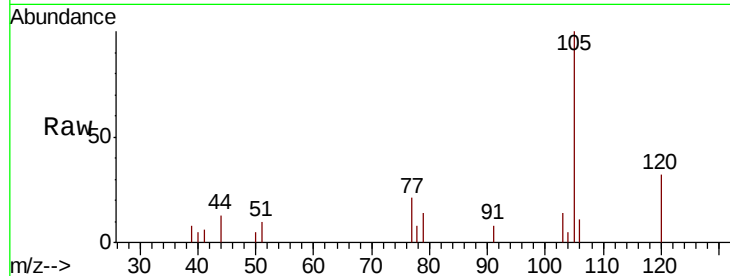
#73
Isopropylbenzene
Concen: 0.80 ug/l
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.8	13.3	39.9

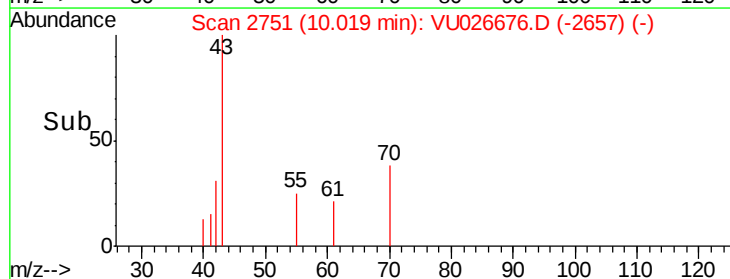
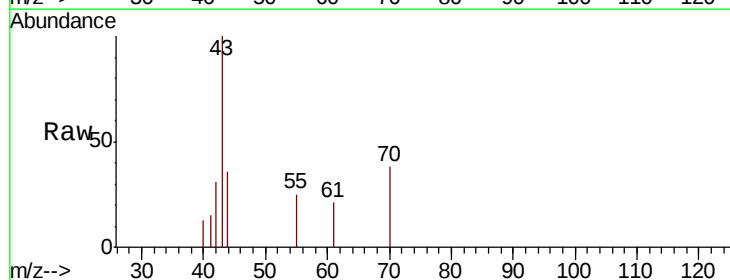
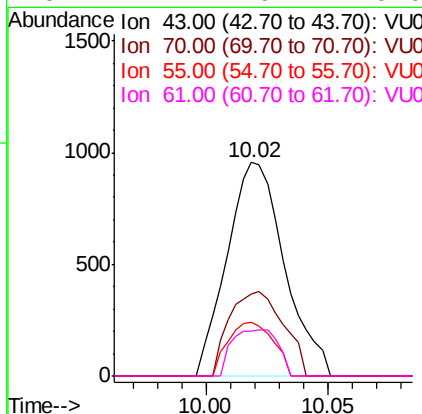
Manual Integrations
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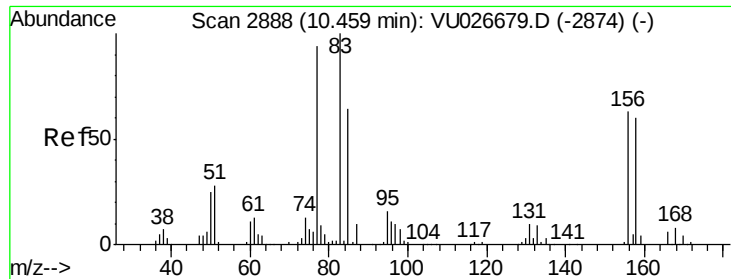
MMDadoda
9/13/2018 4:48:52 PM



#74
N-ethyl acetate
Concen: 0.74 ug/l
RT: 10.02 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	32.6	48.8
55	19.8	19.1	28.7
61	17.2	19.4	29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.06 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

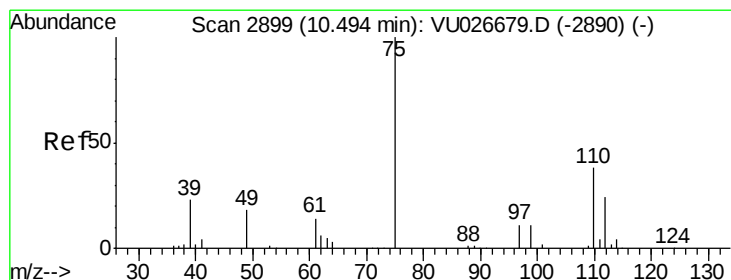
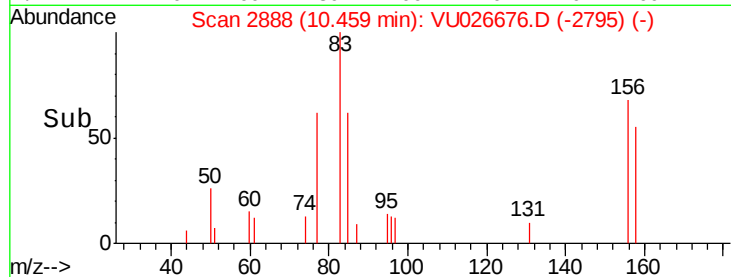
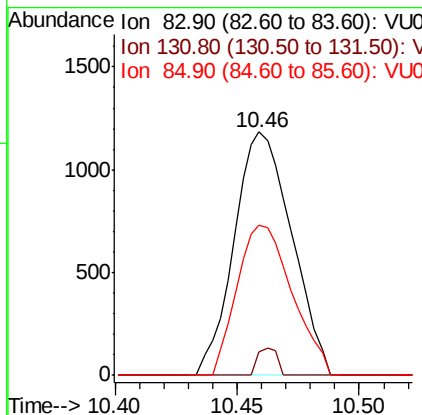
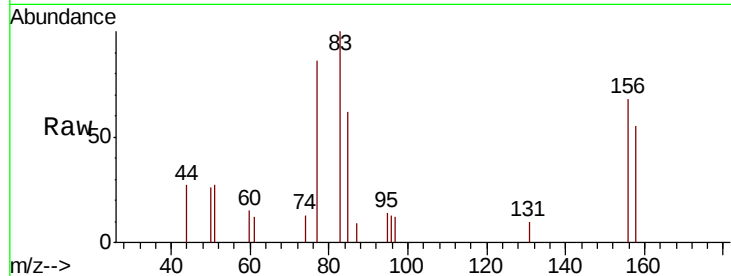
ClientSampleId :

VSTDIC001

Tot Ion	83	Resp	1934
Ion	Ratio	Lower	Upper
83	100		
131	3.7	4.9	14.6#
85	58.9	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 0.80 ug/l m

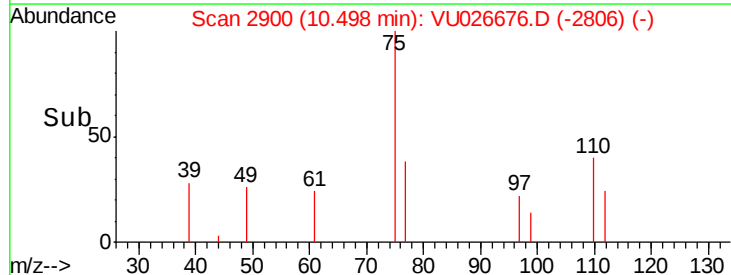
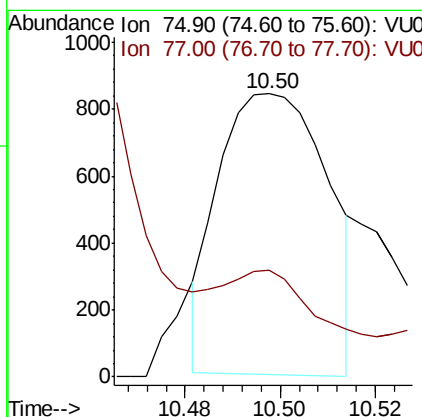
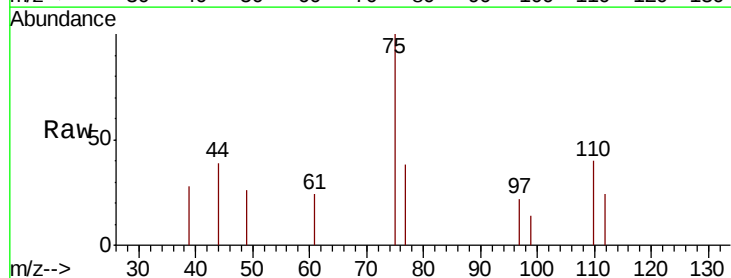
RT: 10.50 min Scan# 2900

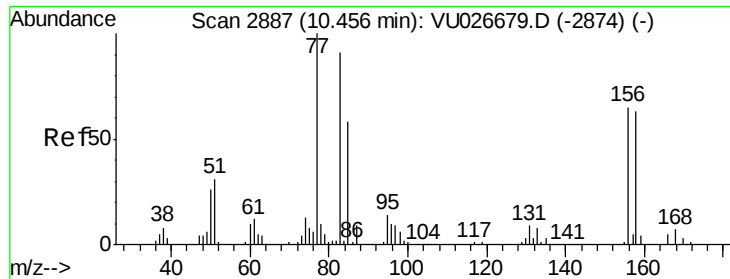
Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion	75	Resp	1334
Ion	Ratio	Lower	Upper
75	100		
77	0.0	21.1	63.1#





#77

Bromobenzene

Concen: 0.98 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

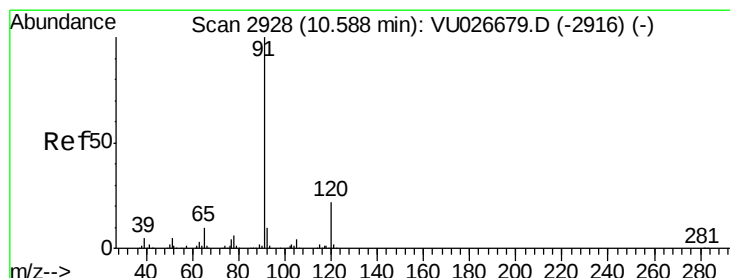
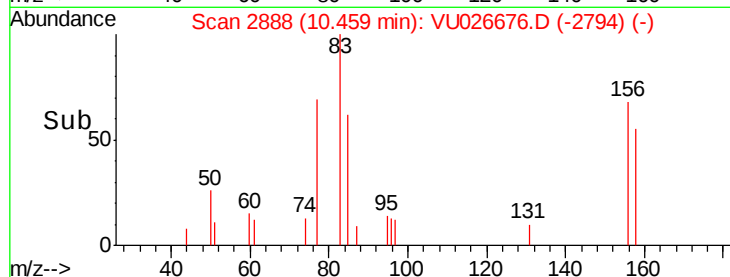
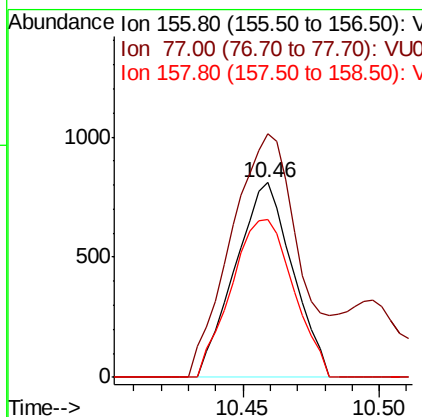
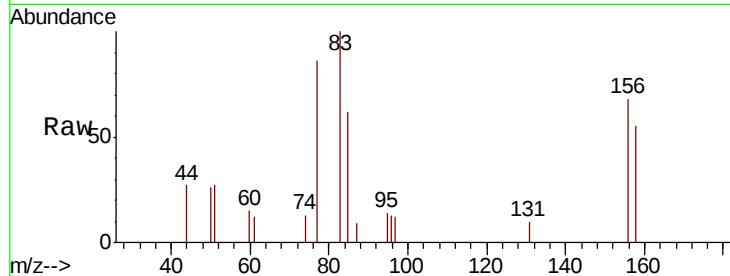
ClientSampleId :

VSTDIC001

Tot Ion:156 Resp: 1184
 Ion Ratio Lower Upper
 156 100
 77 146.5 77.6 232.9
 158 87.6 48.9 146.6

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#78

n-propylbenzene

Concen: 0.74 ug/l

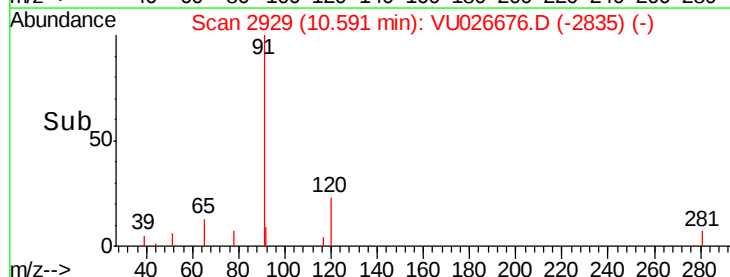
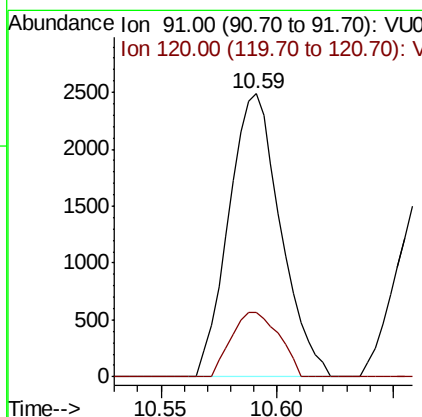
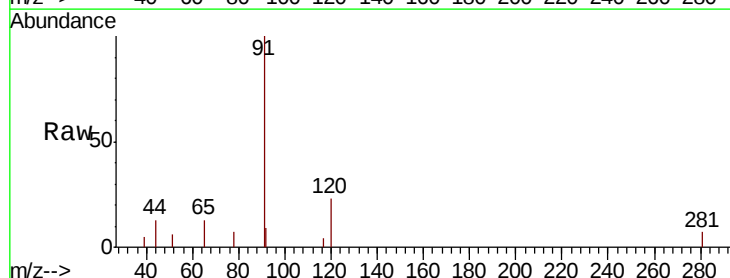
RT: 10.59 min Scan# 2929

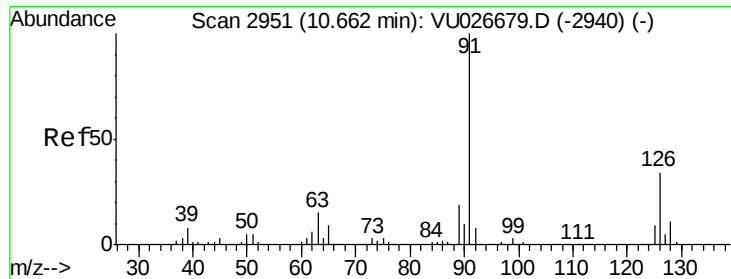
Delta R.T. 0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Tgt Ion: 91 Resp: 3855
 Ion Ratio Lower Upper
 91 100
 120 21.0 11.4 34.1





#79

2-Chlorotoluene

Concen: 0.84 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 2687

Ion Ratio Lower Upper

91 100

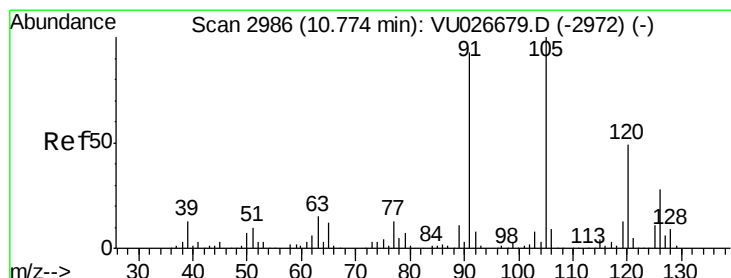
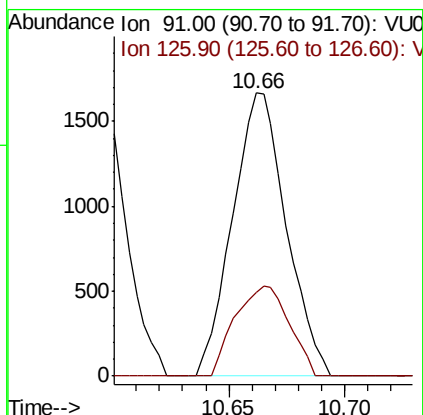
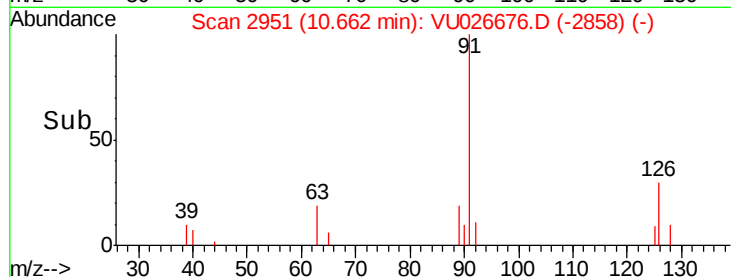
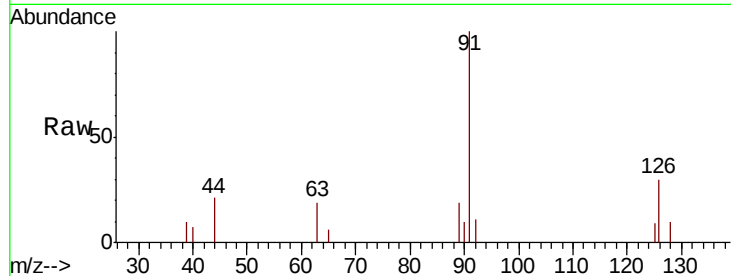
126 32.0 17.3 51.7

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#80

1,3,5-Trimethylbenzene

Concen: 0.77 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU026676.D

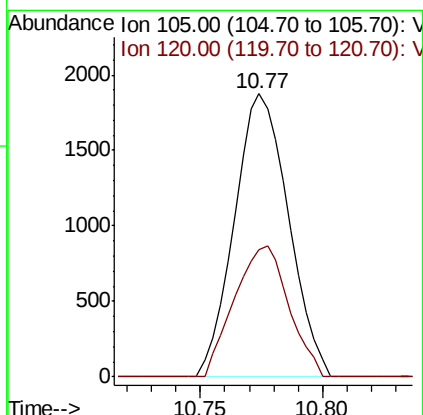
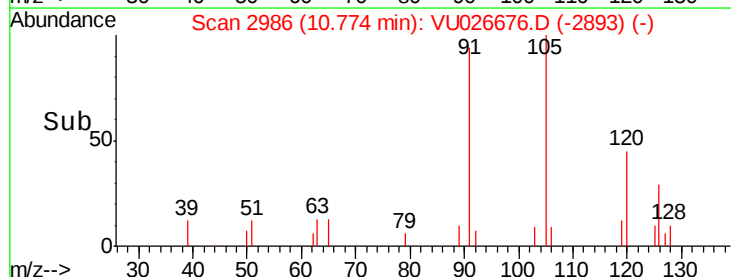
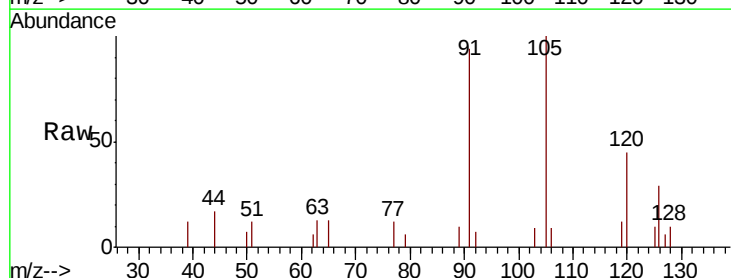
Acq: 11 Sep 2018 10:34

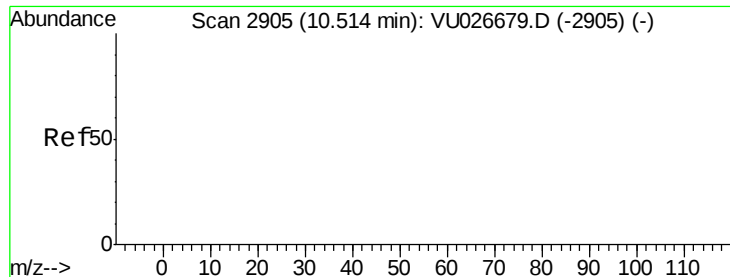
Tgt Ion: 105 Resp: 2879

Ion Ratio Lower Upper

105 100

120 46.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 0.54 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 399

Ion Ratio Lower Upper

75 100

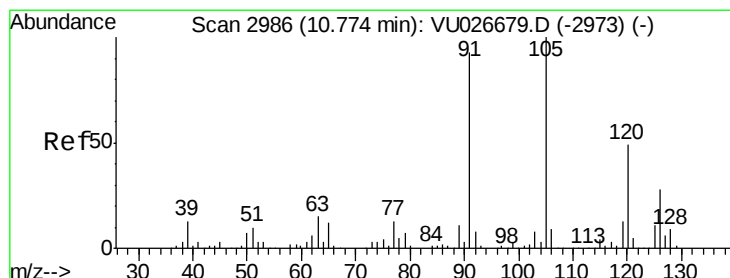
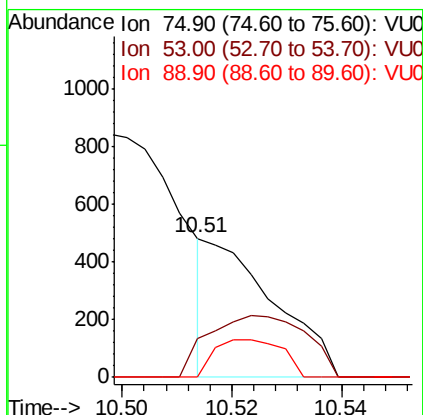
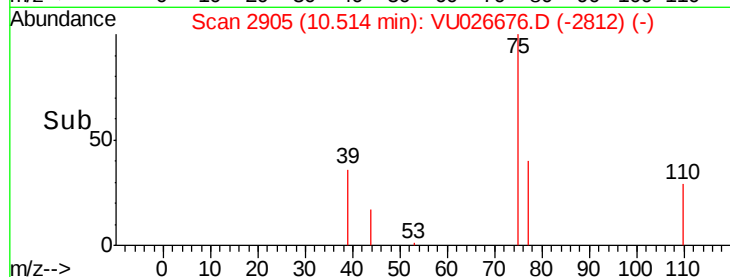
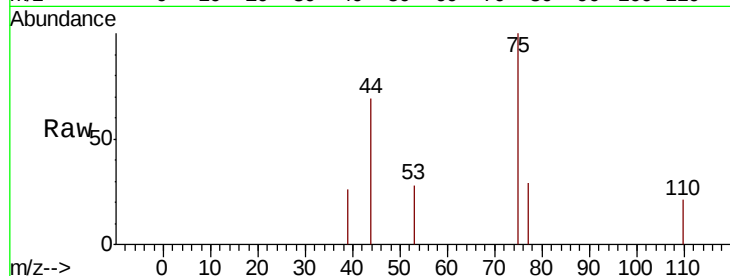
53 0.0 0.0 0.0

89 0.0 0.0 0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.76 ug/l

RT: 10.78 min Scan# 2987

Delta R.T. 0.00 min

Lab File: VU026676.D

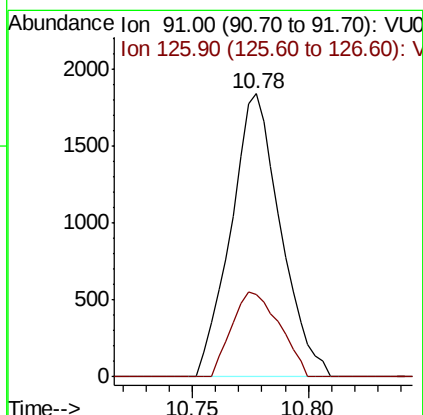
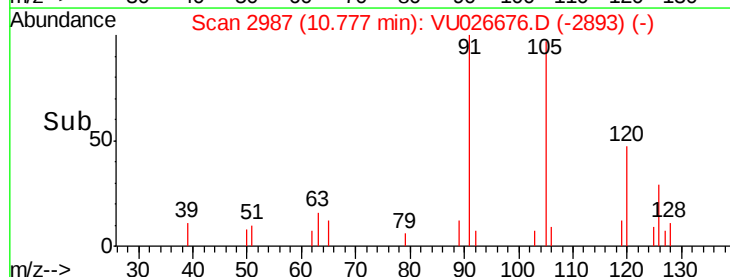
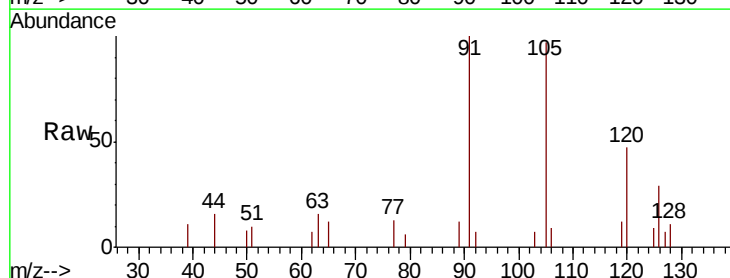
Acq: 11 Sep 2018 10:34

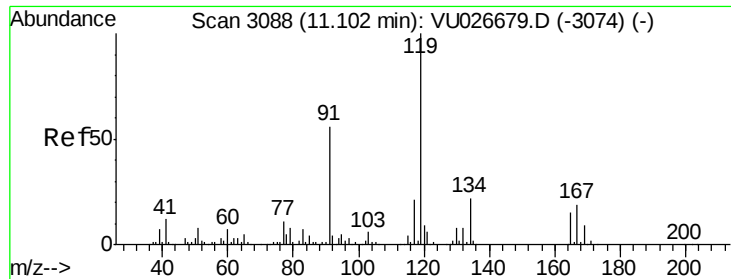
Tgt Ion: 91 Resp: 2730

Ion Ratio Lower Upper

91 100

126 28.9 15.2 45.5





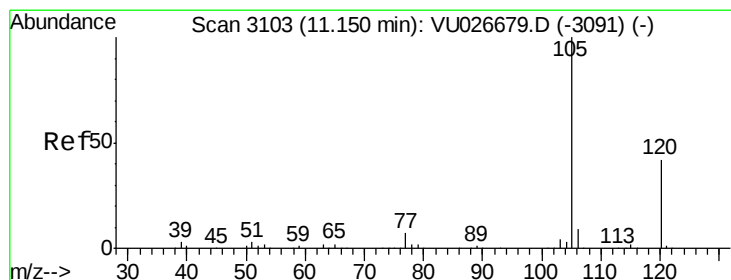
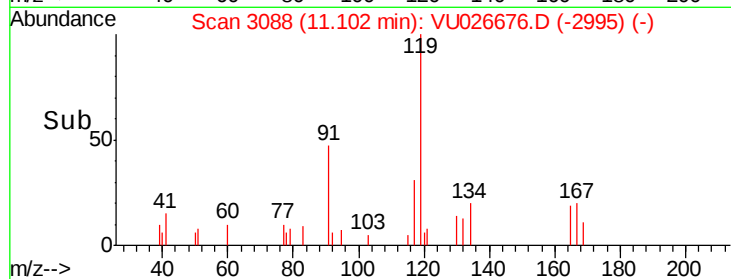
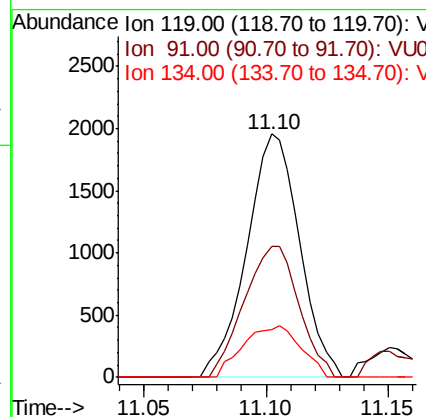
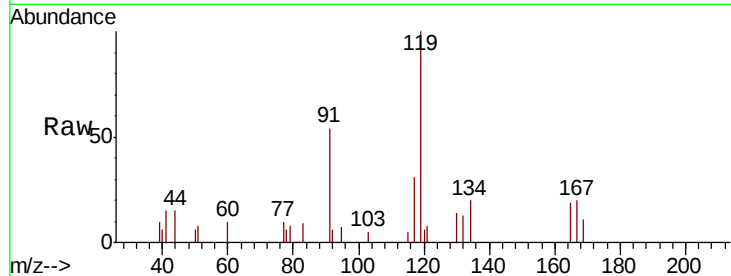
#83
tert-Butylbenzene
Concen: 0.77 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.9	28.3	85.0
134	23.0	11.2	33.5

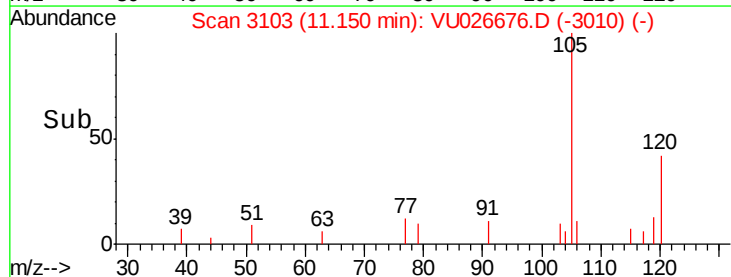
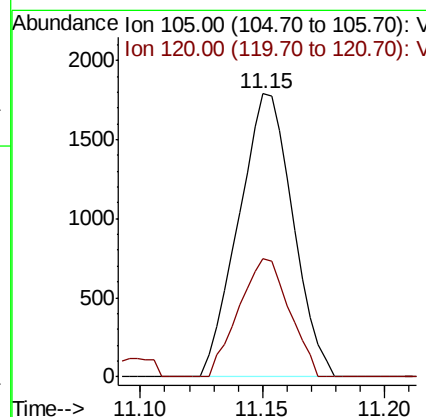
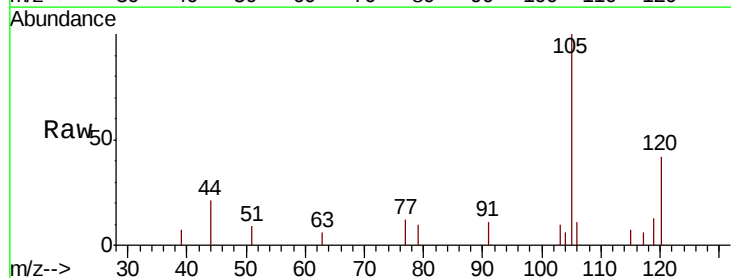
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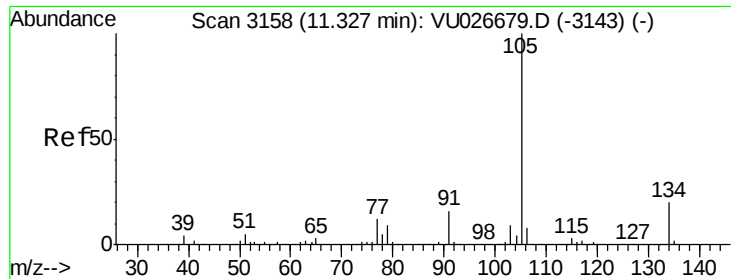
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#84
1,2,4-Trimethylbenzene
Concen: 0.73 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	39.0	23.3	69.8





#85

sec-Butylbenzene

Concen: 0.74 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 3343

Ion Ratio Lower Upper

105 100

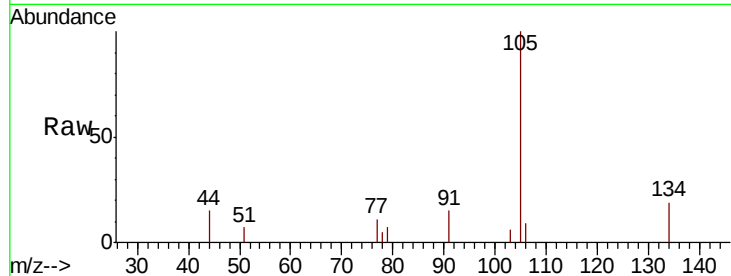
134 17.1 10.1 30.1

Manual Integrations

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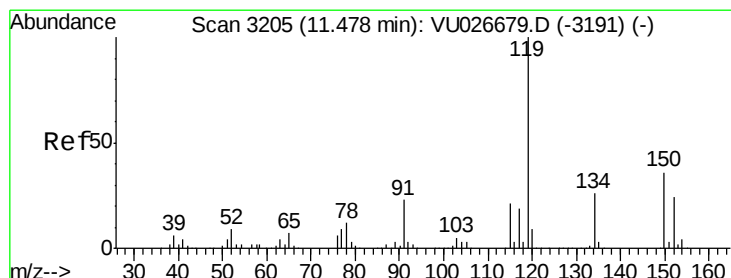
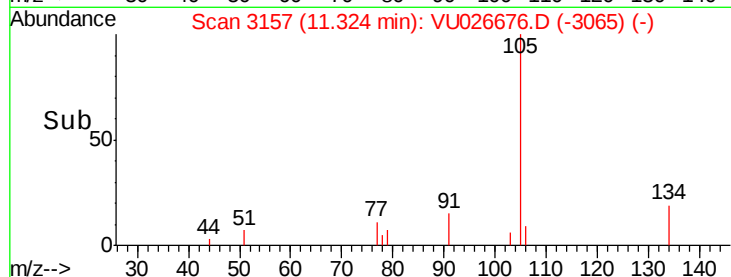
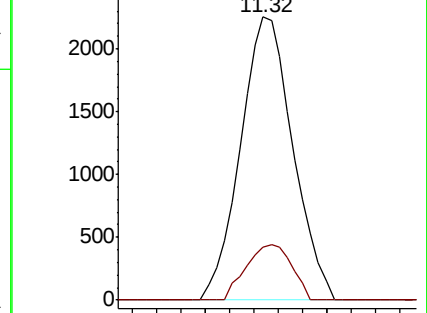
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.69 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU026676.D

Acq: 11 Sep 2018 10:34

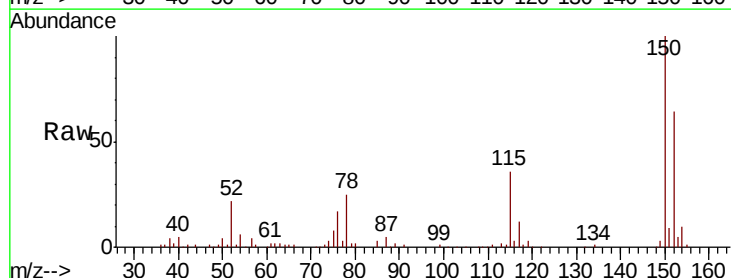
Tgt Ion:119 Resp: 2719

Ion Ratio Lower Upper

119 100

134 22.4 13.2 39.5

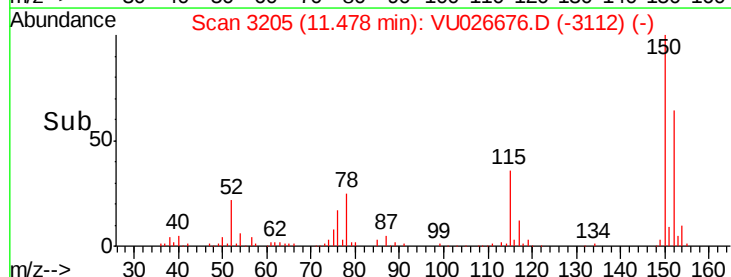
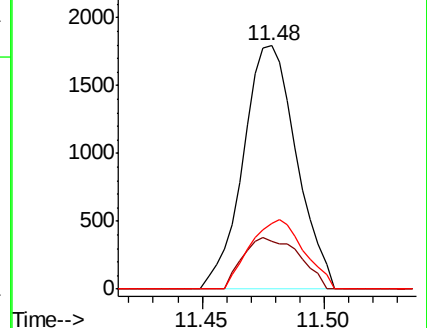
91 28.8 11.6 34.8

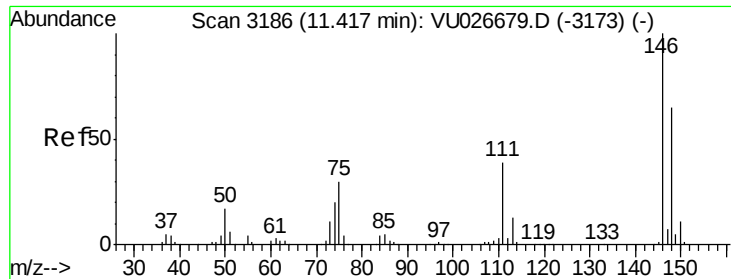


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





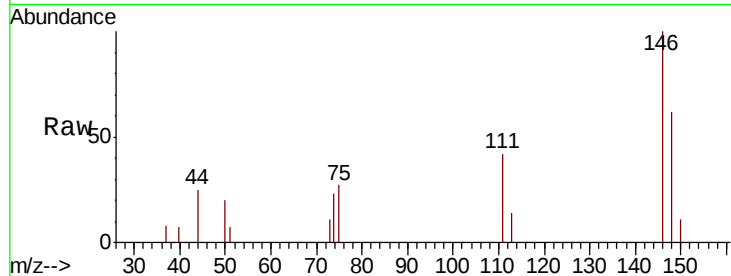
#87
 1,3-Dichlorobenzene
 Concen: 1.04 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

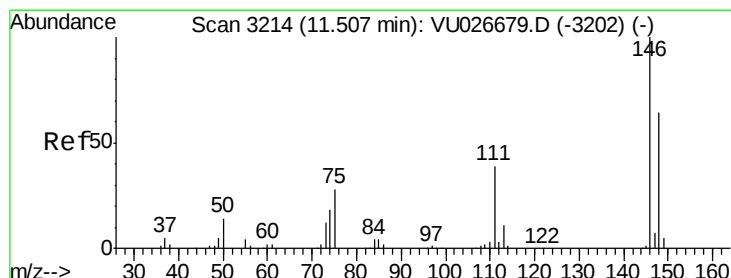
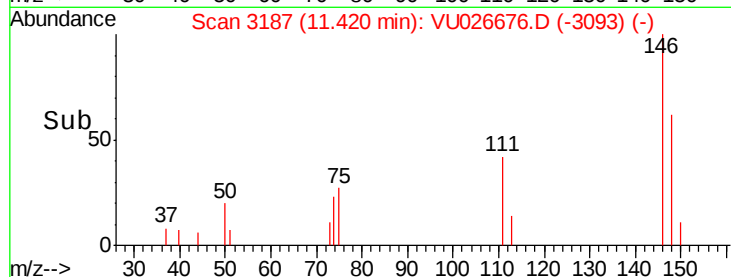
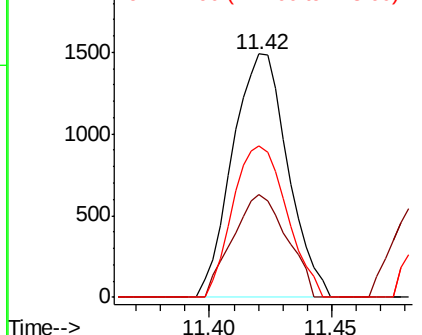
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.7	59.1
148	60.7	32.1	96.3

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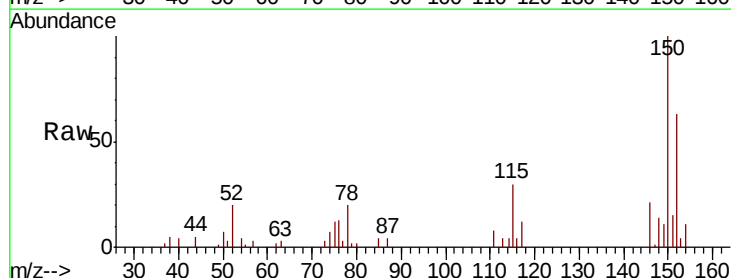


Abundance Ion 145.90 (145.60 to 146.60): V
 2000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

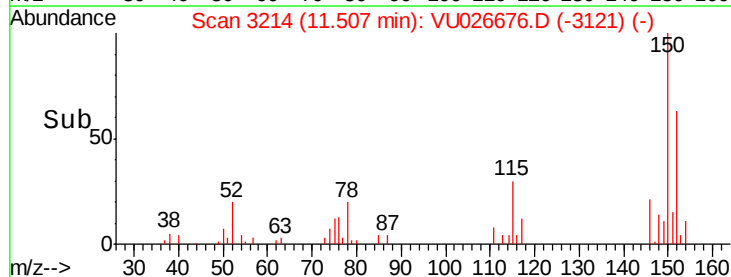
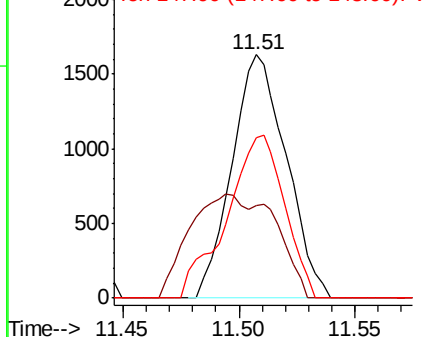


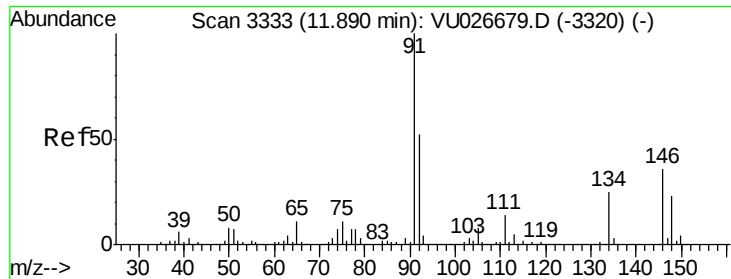
#88
 1,4-Dichlorobenzene
 Concen: 1.13 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	19.2	57.6
148	70.7	32.1	96.3



Abundance Ion 145.90 (145.60 to 146.60): V
 2000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





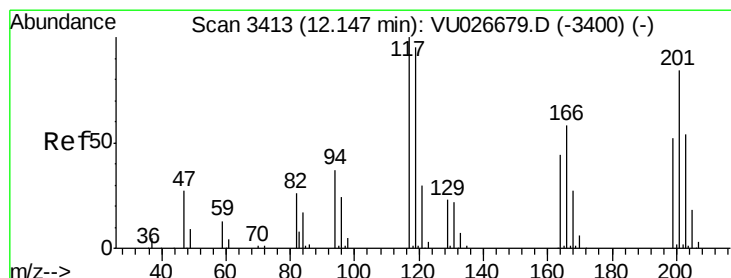
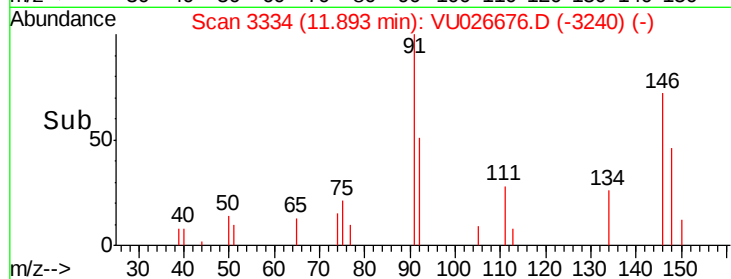
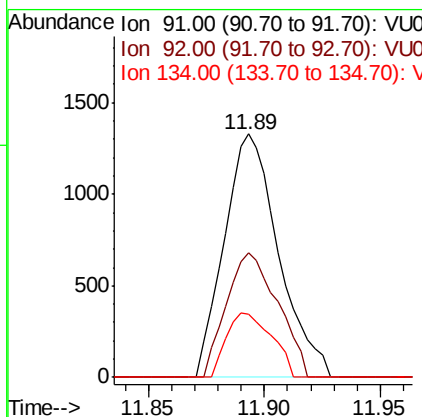
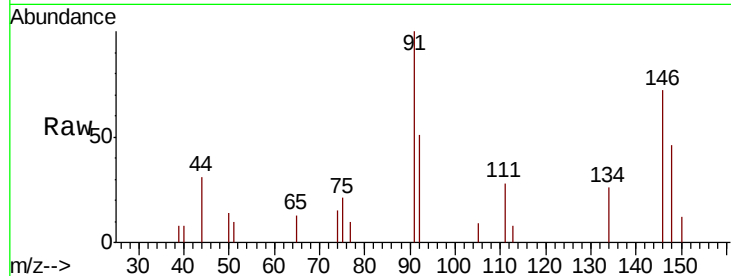
#89
n-Butylbenzene
Concen: 0.63 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.3	25.8	77.3
134	21.9	12.6	37.8

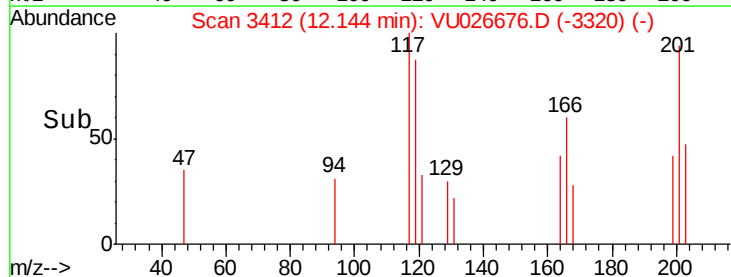
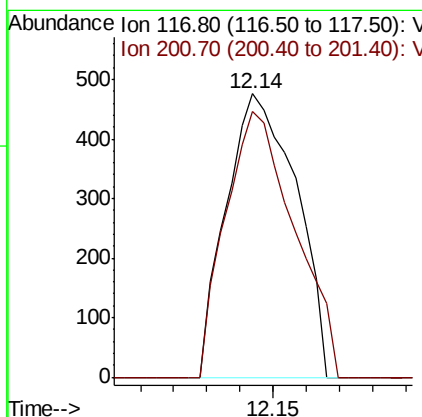
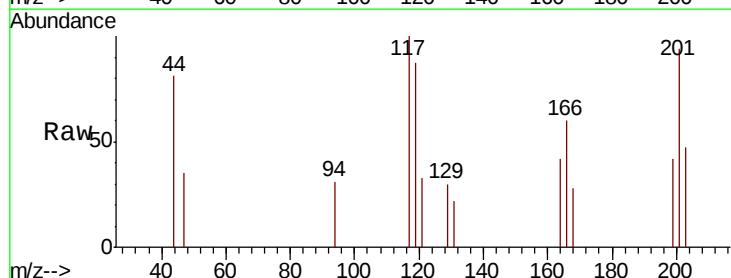
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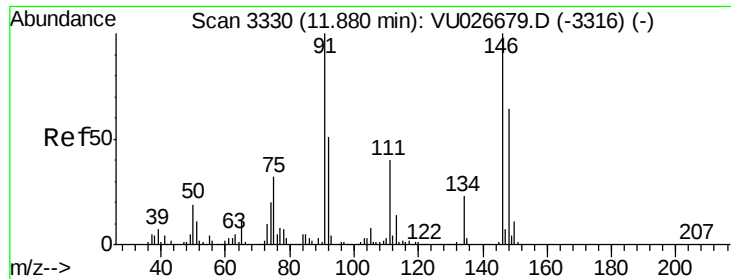
MMDadoda
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#90
Hexachloroethane
Concen: 0.87 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	42.4	127.1





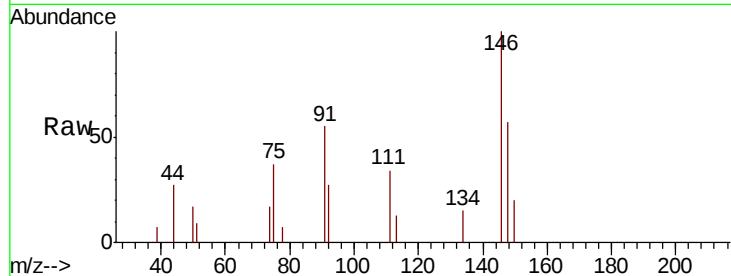
#91
 1,2-Dichlorobenzene
 Concen: 1.02 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

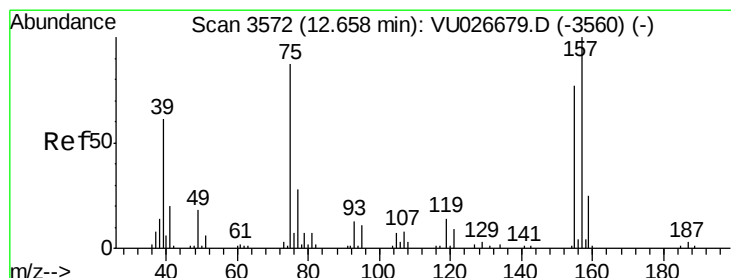
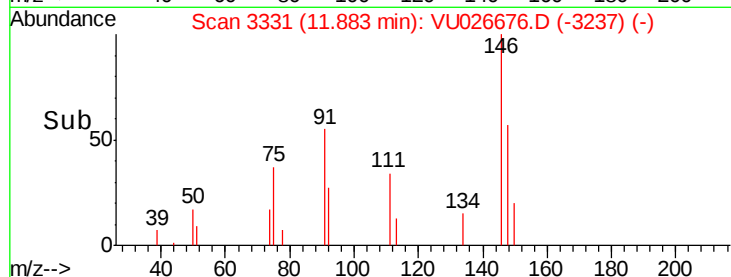
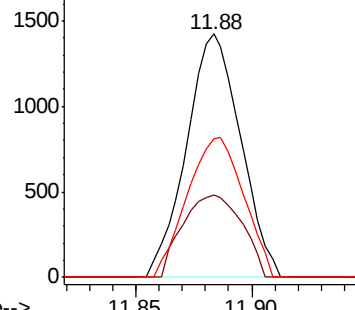
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.3	60.8
148	59.6	32.1	96.3

Manual Integrations
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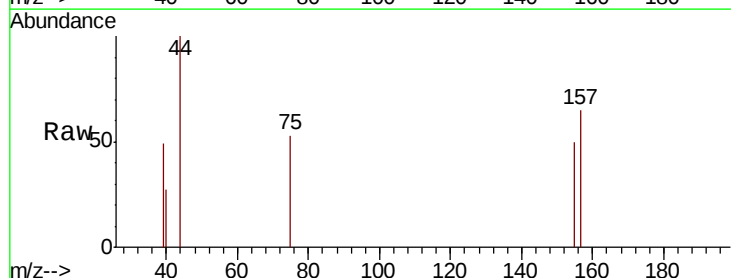


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

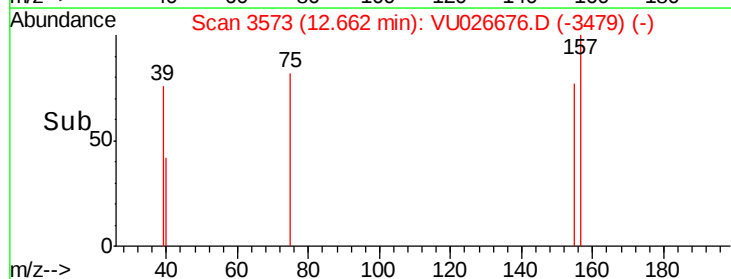
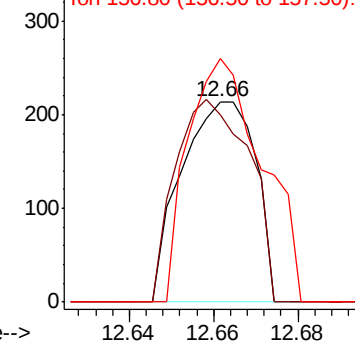


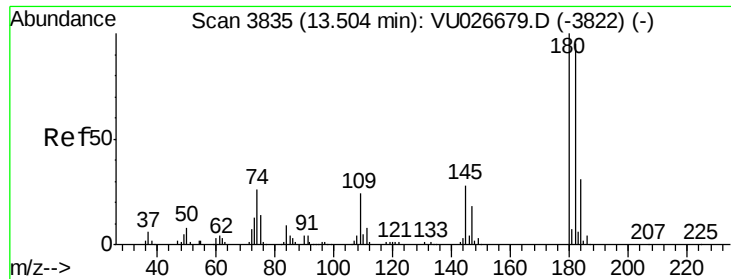
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.72 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	44.1	132.4
157	121.8	57.2	171.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





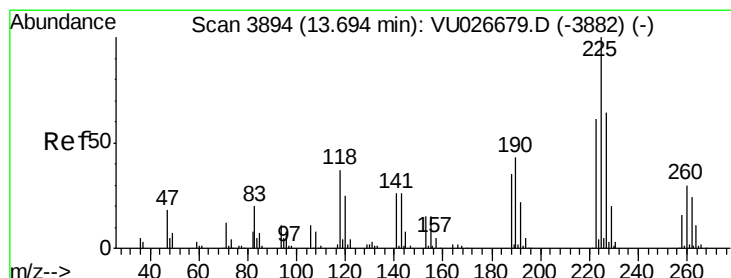
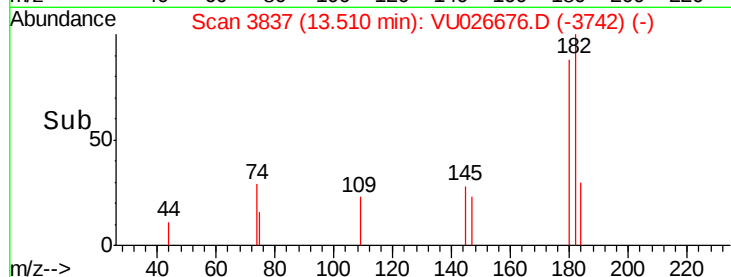
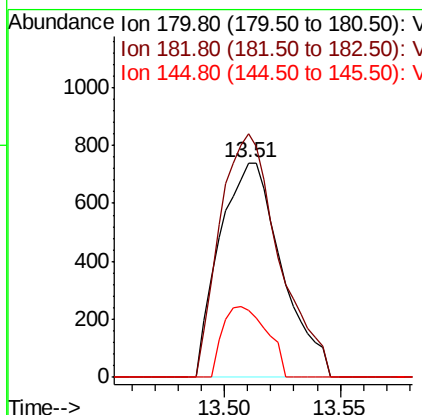
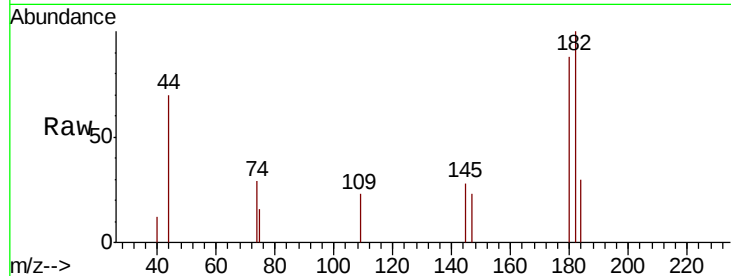
#93
 1,2,4-Trichlorobenzene
 Concen: 0.91 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.4	47.9	143.7
145	23.6	14.0	42.0

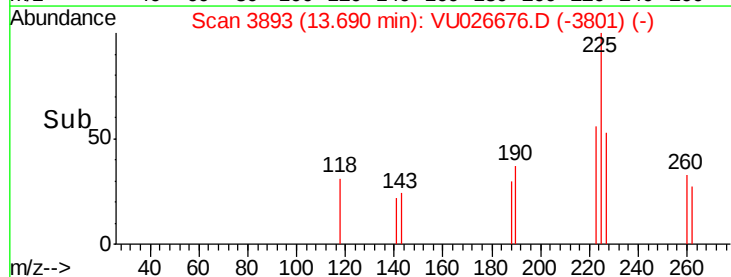
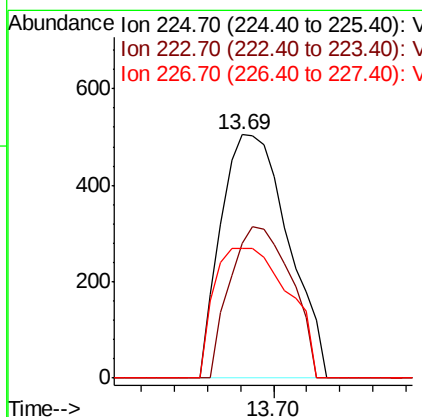
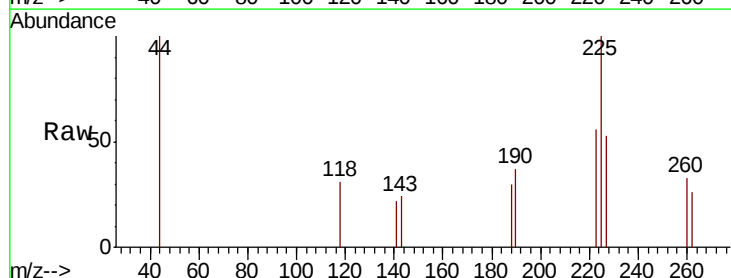
Manual Integrations
 APPROVED

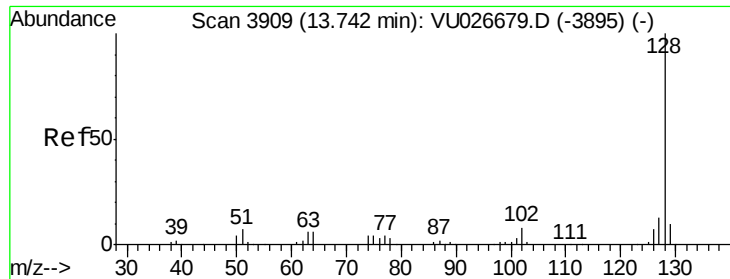
MMDadoda
 9/13/2018 4:48:52 PM



#94
 Hexachlorobutadiene
 Concen: 0.92 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU026676.D
 Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.5	30.6	92.0
227	58.6	32.1	96.3





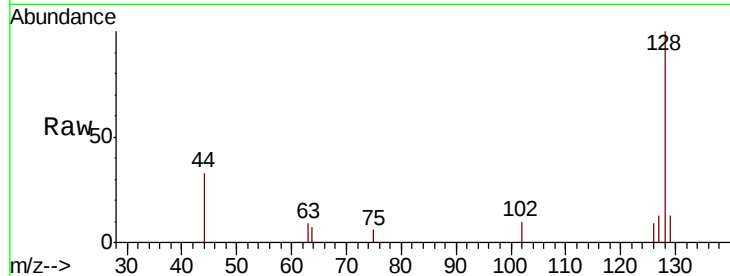
#95
Naphthalene
Concen: 0.72 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

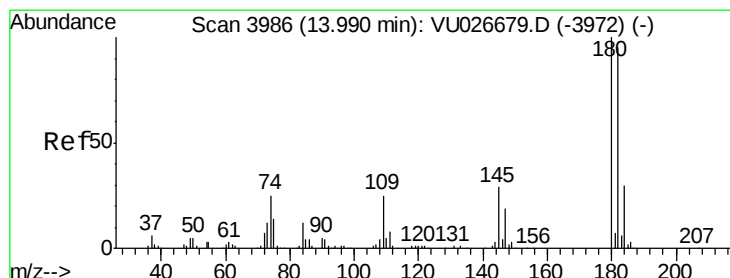
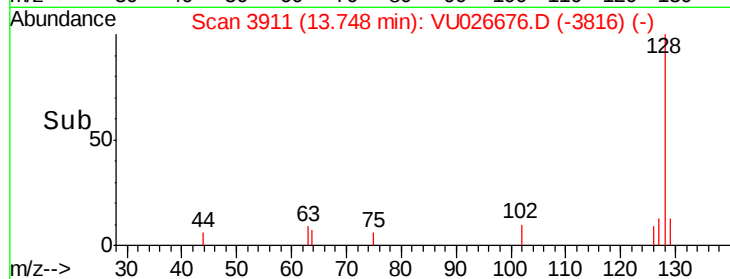
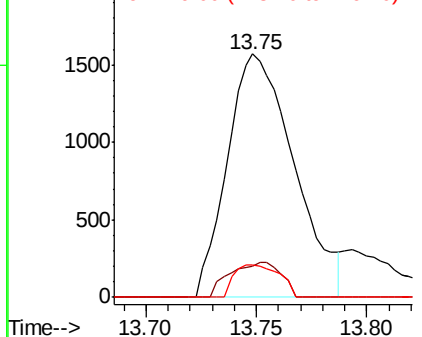
Tot Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.4	15.6
129	9.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 4:48:52 PM



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



#96
1,2,3-Trichlorobenzene
Concen: 0.86 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU026676.D
Acq: 11 Sep 2018 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	110.4	47.9	143.7
145	28.8	14.9	44.9

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

