

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026679.D
 Acq On : 11 Sep 2018 11:43
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:54 PM

Quant Time: Sep 12 05:22:17 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	4.99	168	103973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	78320	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	4.88	113	64004	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	7.57	98	239969	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	10.31	95	86449	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55609	49.50	ug/l	100
3) Chloromethane	1.33	50	75310	47.99	ug/l	100
4) Vinyl Chloride	1.40	62	81937	50.38	ug/l	100
5) Bromomethane	1.61	94	47478	46.61	ug/l	100
6) Chloroethane	1.69	64	51161	49.43	ug/l	100
7) Trichlorofluoromethane	1.88	101	106562	50.12	ug/l	100
8) Diethyl Ether	2.10	74	45907	49.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	62476	49.48	ug/l	100
10) Methyl Iodide	2.41	142	49740	52.28	ug/l	100
11) Tert butyl alcohol	2.83	59	91318	237.53	ug/l	100
12) 1,1-Dichloroethene	2.28	96	58869	49.32	ug/l	100
13) Acrolein	2.19	56	62814	242.45	ug/l	100
14) Allyl chloride	2.59	41	103350	48.07	ug/l	100
15) Acrylonitrile	2.94	53	213603	259.08	ug/l	100
16) Acetone	2.32	43	210215	235.41	ug/l	100
17) Carbon Disulfide	2.48	76	183445	48.30	ug/l	100
18) Methyl Acetate	2.61	43	97869	50.80	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	206498	50.24	ug/l	100
20) Methylene Chloride	2.70	84	71150	49.12	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	63335	50.37	ug/l	100
22) Diisopropyl ether	3.57	45	234212	52.20	ug/l	100
23) Vinyl Acetate	3.53	43	1006614	264.10	ug/l	100
24) 1,1-Dichloroethane	3.45	63	128376	50.72	ug/l	100
25) 2-Butanone	4.26	43	306301	254.64	ug/l	100
26) 2,2-Dichloropropane	4.23	77	104661	50.31	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	73848	50.95	ug/l	100
28) Bromochloromethane	4.55	49	62246	51.43	ug/l	100
29) Tetrahydrofuran	4.64	42	187239	258.19	ug/l	100
30) Chloroform	4.67	83	123828	49.75	ug/l	100
31) Cyclohexane	5.00	56	115551	44.11	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	105862	51.37	ug/l	100
36) 1,1-Dichloropropene	5.14	75	91841	51.41	ug/l	100
37) Ethyl Acetate	4.38	43	108371	50.44	ug/l	100
38) Carbon Tetrachloride	5.14	117	94889	50.27	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	111798	52.71	ug/l	100
40) Benzene	5.39	78	284624	51.30	ug/l	100
41) Methacrylonitrile	4.54	41	59688	53.53	ug/l	100
42) 1,2-Dichloroethane	5.41	62	100357	50.73	ug/l	100
43) Isopropyl Acetate	5.55	43	171482	52.42	ug/l	100
44) Trichloroethene	6.19	130	69537	50.64	ug/l	100
45) 1,2-Dichloropropane	6.43	63	78231	51.87	ug/l	100
46) Dibromomethane	6.56	93	51137	52.54	ug/l	100
47) Bromodichloromethane	6.76	83	99111	51.71	ug/l	100
48) Methyl methacrylate	6.62	41	86859	53.81	ug/l	100
49) 1,4-Dioxane	6.61	88	40958	1094.72	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	567836	259.52	ug/l	100
52) Toluene	7.64	92	173056	52.36	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	111430	52.42	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	119140	52.19	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	72415	51.14	ug/l	100
56) Ethyl methacrylate	8.02	69	111177	53.77	ug/l	100
57) 1,3-Dichloropropane	8.24	76	124340	51.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	277605	272.37	ug/l	100
59) 2-Hexanone	8.36	43	449906	261.27	ug/l	100
60) Dibromochloromethane	8.48	129	79961	52.14	ug/l	100
61) 1,2-Dibromoethane	8.59	107	77020	50.13	ug/l	100
64) Tetrachloroethene	8.23	164	61299	50.54	ug/l	100
65) Chlorobenzene	9.12	112	192465	50.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	70717	50.76	ug/l	100
67) Ethyl Benzene	9.25	91	329176	52.78	ug/l	100
68) m/p-Xylenes	9.38	106	258523	108.96	ug/l	100
69) o-Xylene	9.78	106	125502	54.30	ug/l	100
70) Styrene	9.79	104	209161	55.28	ug/l	100
71) Bromoform	9.96	173	62897	51.91	ug/l #	100
73) Isopropylbenzene	10.17	105	334170	52.14	ug/l	100
74) N-amyl acetate	10.02	43	159010	52.55	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	123907	47.44	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	101003m	42.22	ug/l	
77) Bromobenzene	10.46	156	85821	49.27	ug/l	100
78) n-propylbenzene	10.59	91	398849	53.51	ug/l	100
79) 2-Chlorotoluene	10.66	91	233917	50.62	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	285855	53.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	34363m	32.11	ug/l	
82) 4-Chlorotoluene	10.77	91	271250	52.25	ug/l	100
83) tert-Butylbenzene	11.10	119	284021	51.95	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	289751	53.33	ug/l	100
85) sec-Butylbenzene	11.33	105	346755	53.41	ug/l	100
86) p-Isopropyltoluene	11.48	119	307610	54.34	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	157165	48.37	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	159797	47.35	ug/l	100
89) n-Butylbenzene	11.89	91	274942	55.43	ug/l	100
90) Hexachloroethane	12.15	117	57176	49.91	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	160044	48.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27148	51.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	113094	52.10	ug/l	100
94) Hexachlorobutadiene	13.69	225	56774	50.84	ug/l	100
95) Naphthalene	13.74	128	365044	55.52	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	117938	52.02	ug/l	100

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

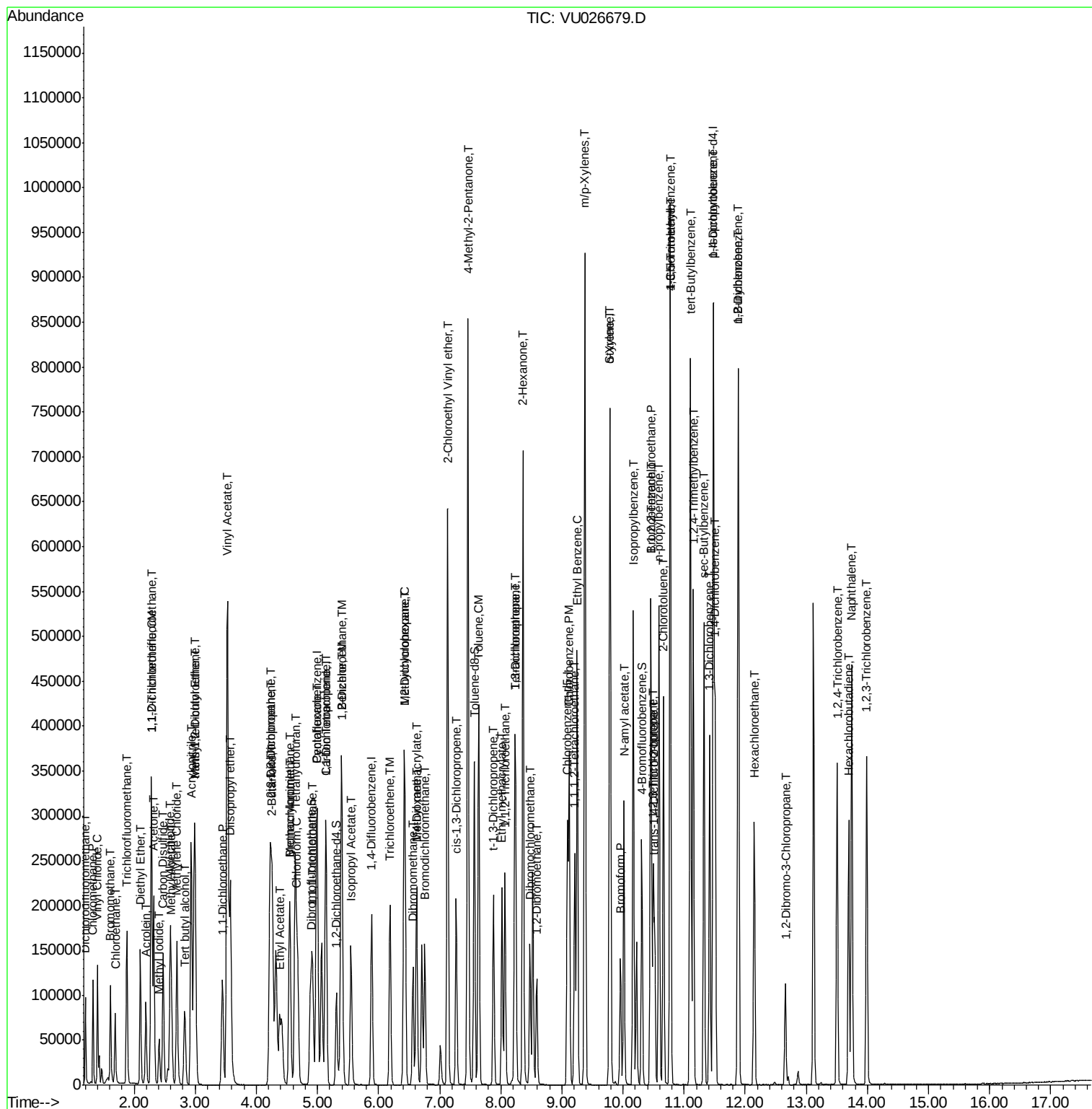
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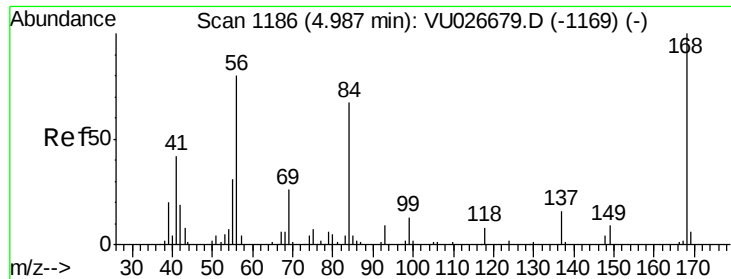
Instrument :
MSVOA_U
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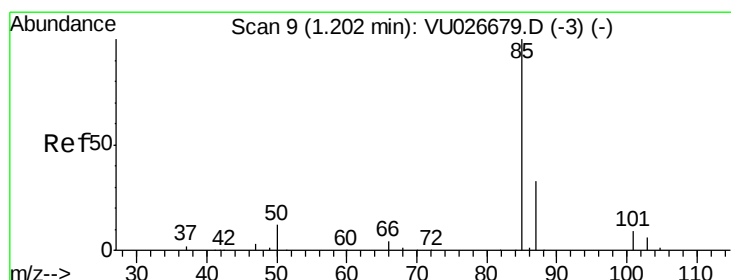
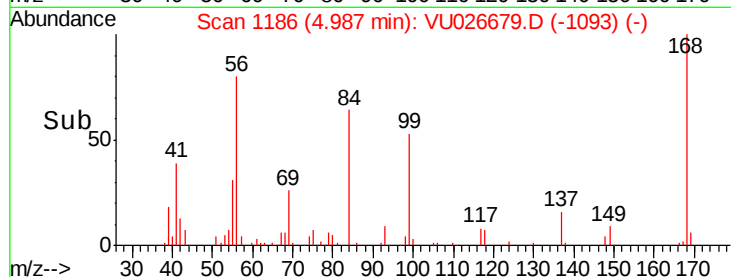
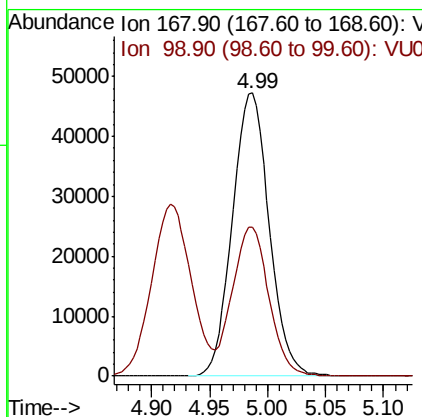
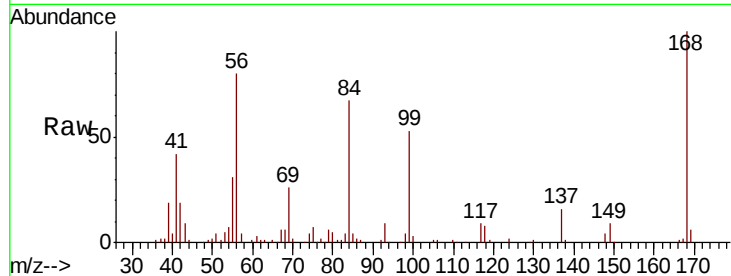
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:168 Resp: 103973
Ion Ratio Lower Upper
168 100
99 52.5 42.0 63.0

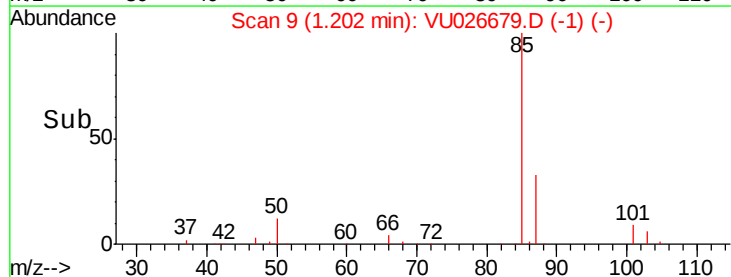
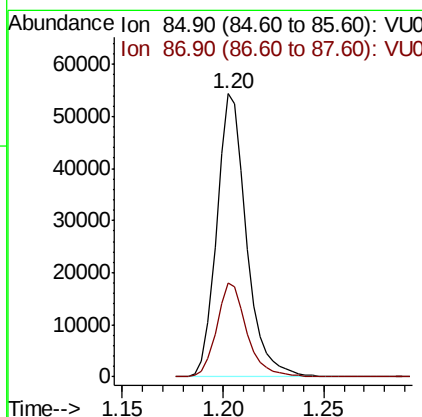
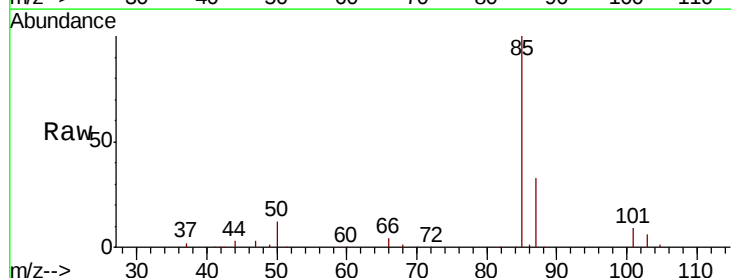
Manual Integrations
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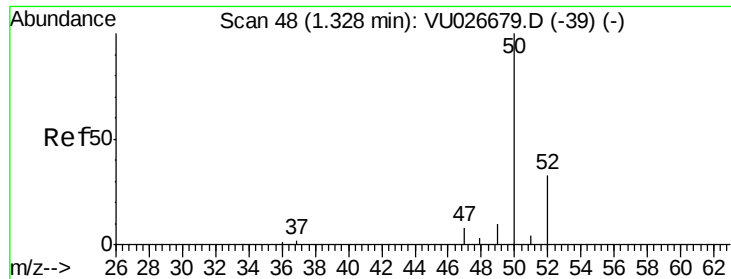
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#2
Dichlorodifluoromethane
Concen: 49.50 ug/l
RT: 1.20 min Scan# 9
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion: 85 Resp: 55609
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.7





#3

Chloromethane

Concen: 47.99 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 75310

Ion Ratio Lower Upper

50 100

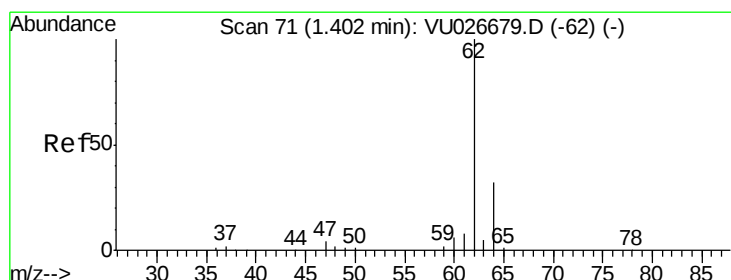
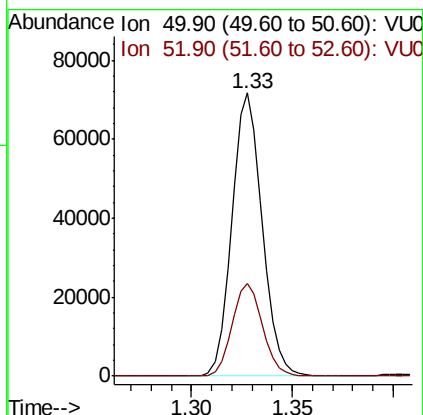
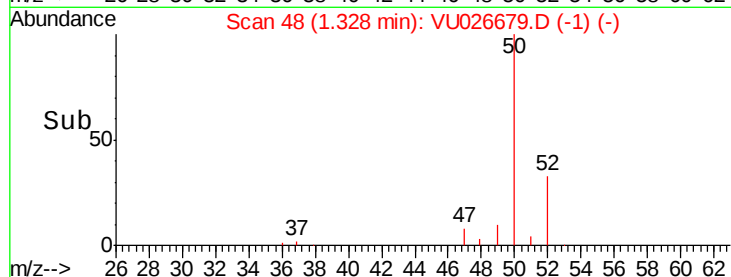
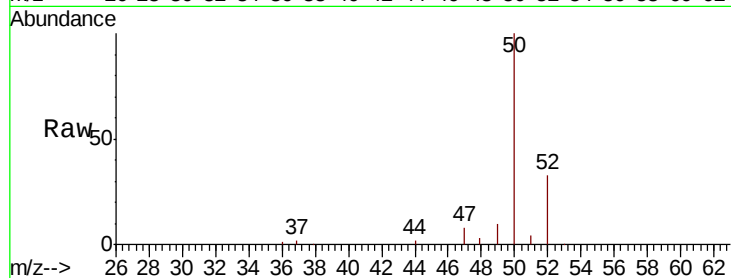
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.38 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026679.D

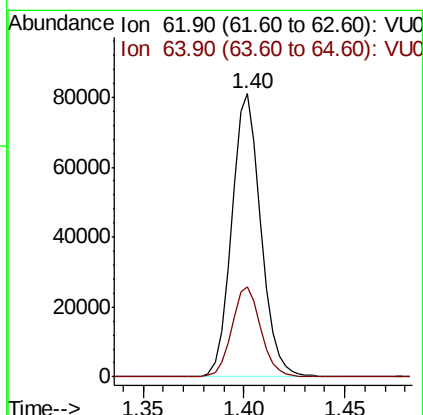
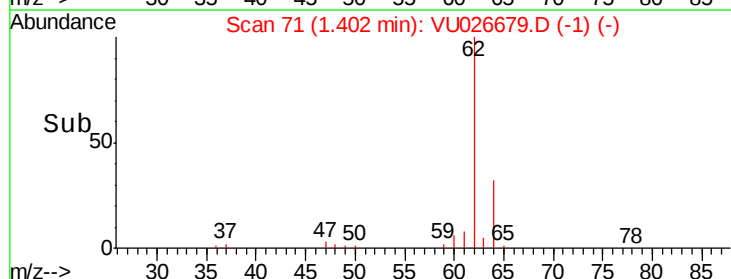
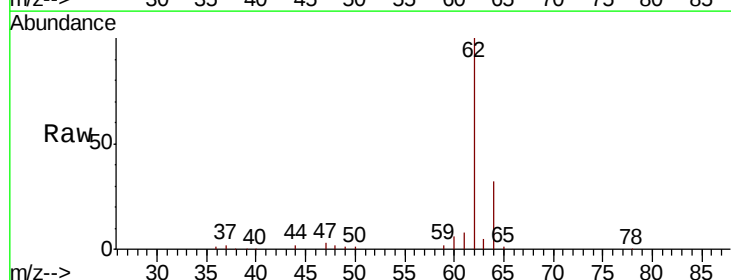
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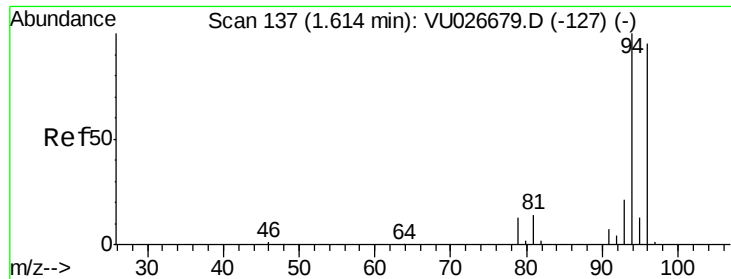
Tgt Ion: 62 Resp: 81937

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 46.61 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 47478

Ion Ratio Lower Upper

94 100

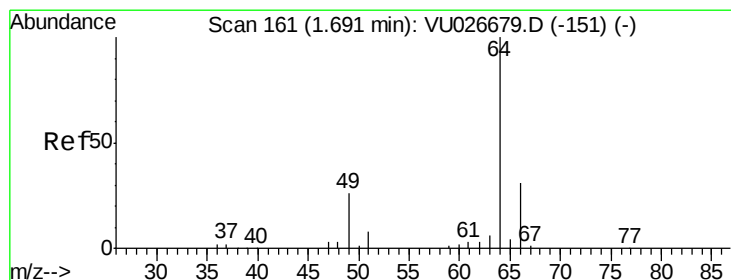
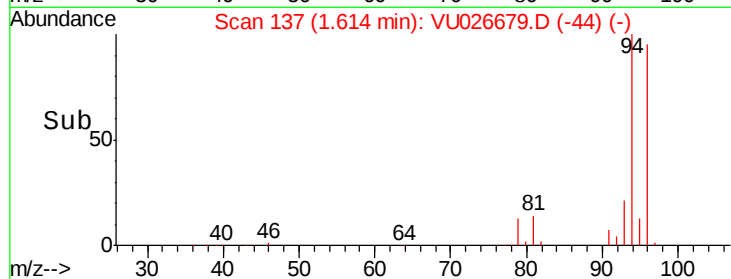
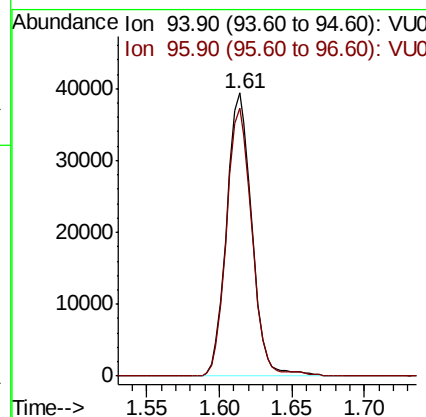
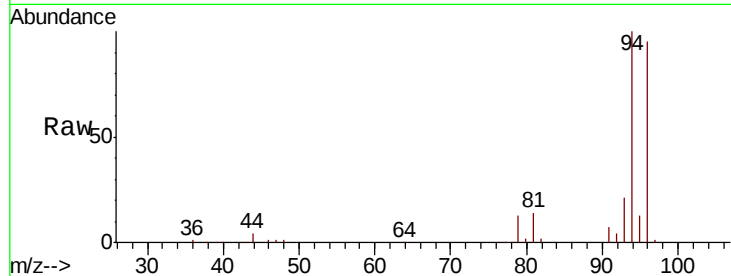
96 94.7 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 49.43 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.00 min

Lab File: VU026679.D

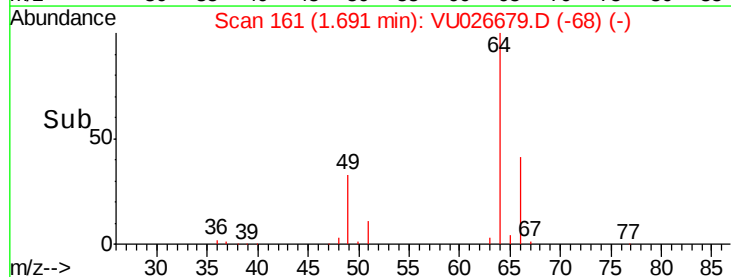
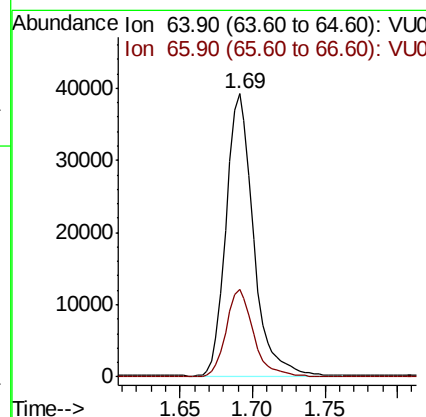
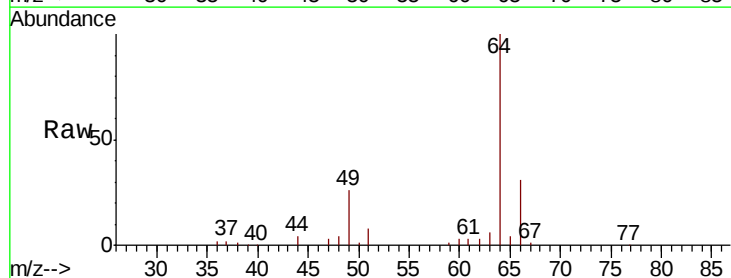
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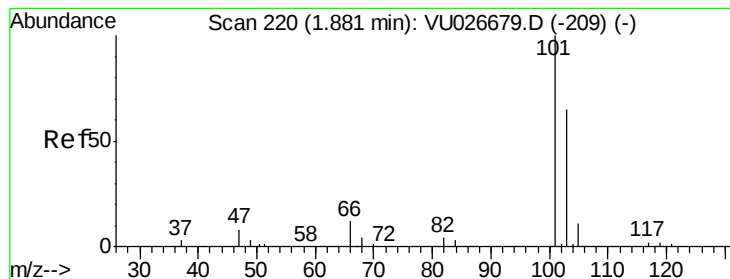
Tgt Ion: 64 Resp: 51161

Ion Ratio Lower Upper

64 100

66 30.9 24.7 37.1





#7

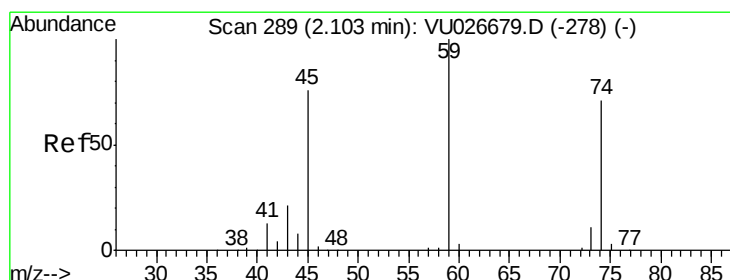
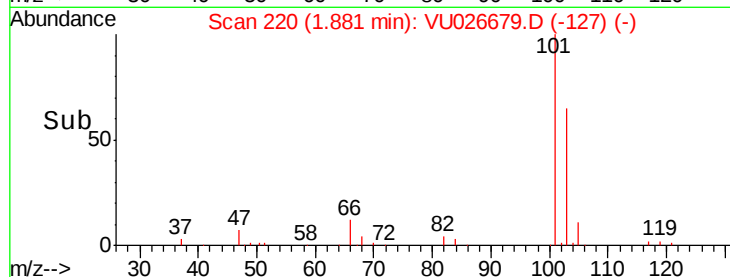
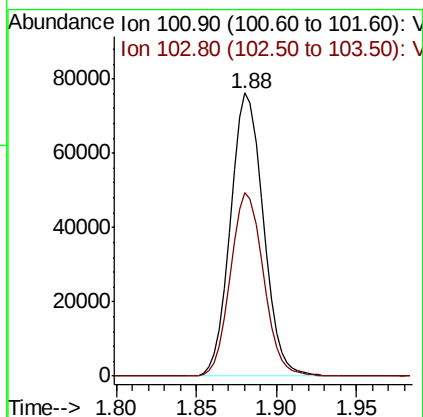
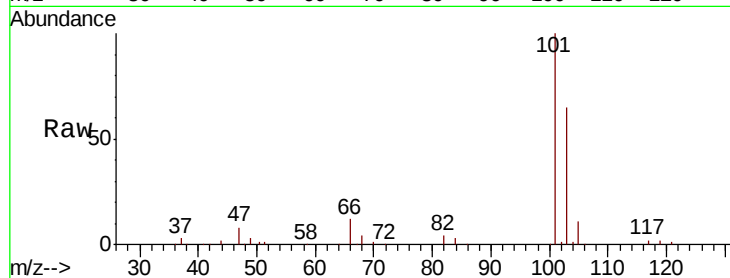
Trichlorofluoromethane
 Concen: 50.12 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 106562
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

Manual Integrations
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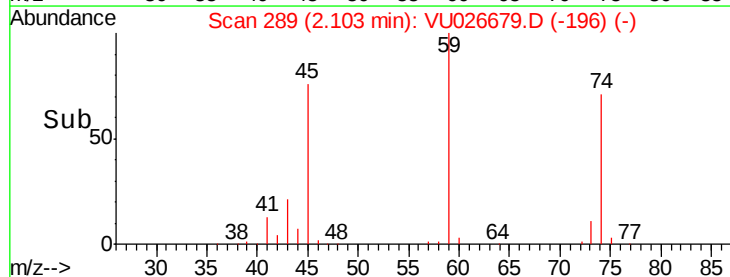
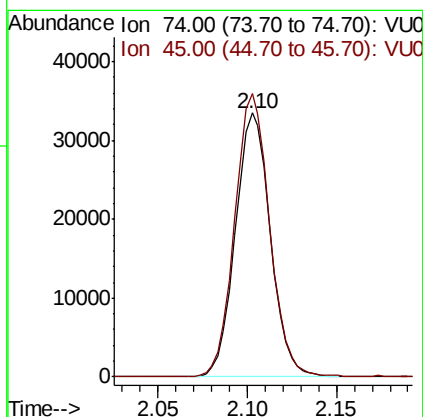
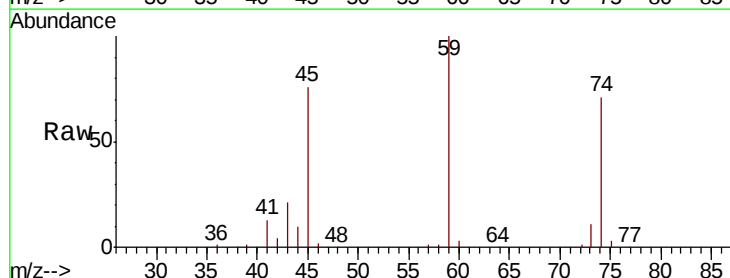
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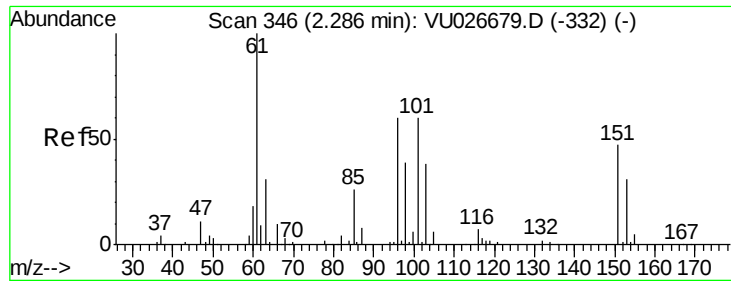


#8

Diethyl Ether
 Concen: 49.27 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 74 Resp: 45907
 Ion Ratio Lower Upper
 74 100
 45 107.2 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.48 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

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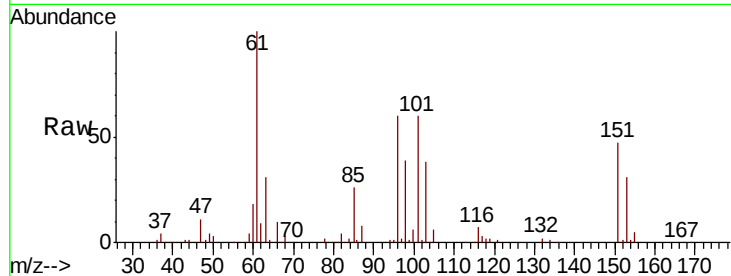
ClientSampleId :

VSTDICCC050

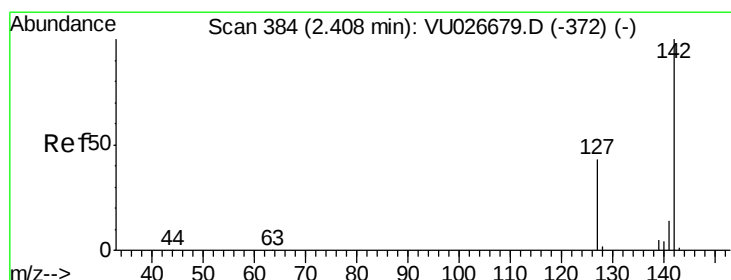
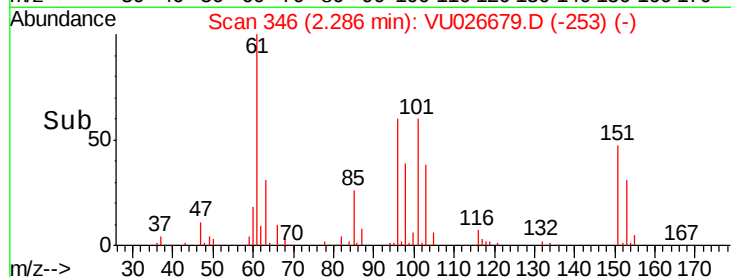
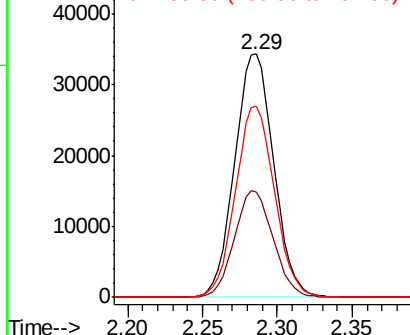
Tot Ion:	101	Resp:	62476
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	52.0
151	78.4	62.7	94.1

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.28 ug/l

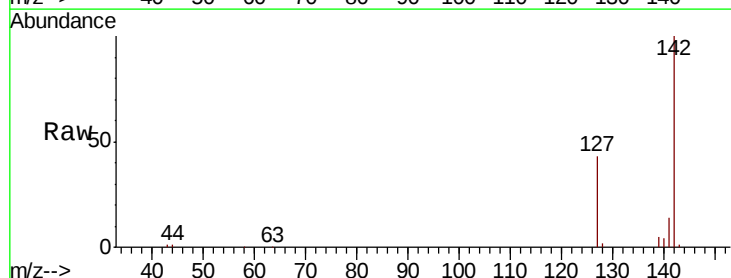
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

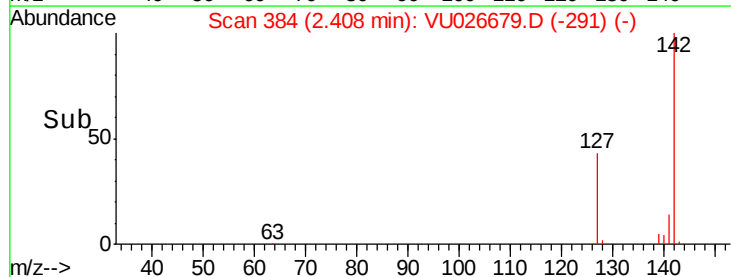
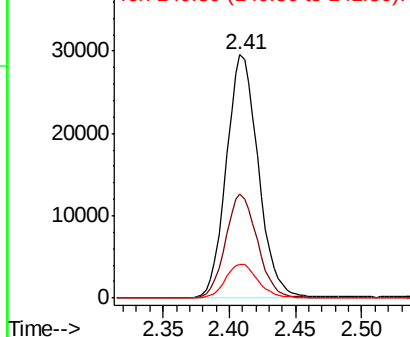
Lab File: VU026679.D

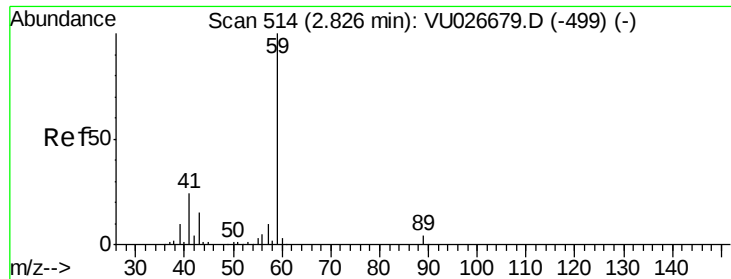
Acq: 11 Sep 2018 11:43

Tgt Ion:	142	Resp:	49740
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.1	51.1
141	14.0	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





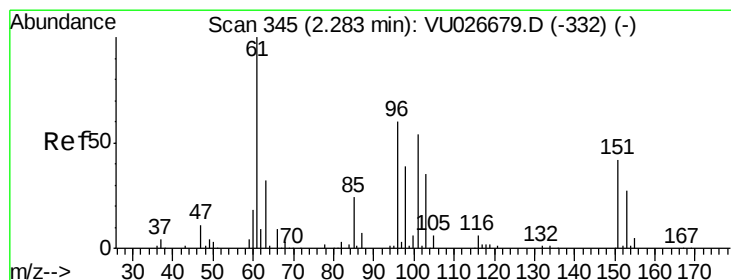
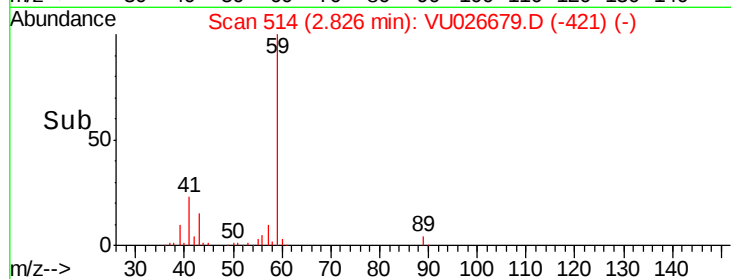
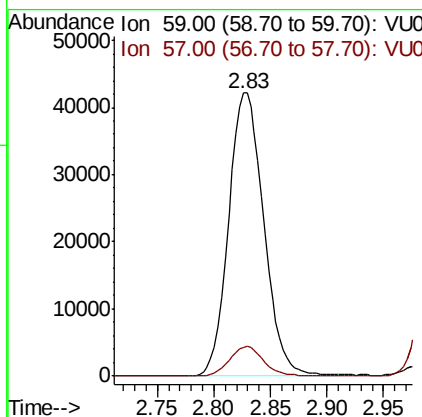
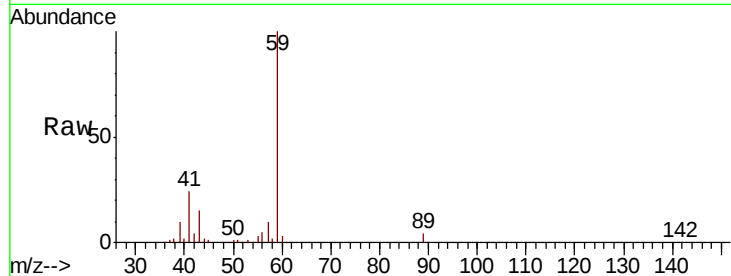
#11
Tert butyl alcohol
Concen: 237.53 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	91318
Ion Ratio	100	Lower	Upper
57	10.0	8.0	12.0

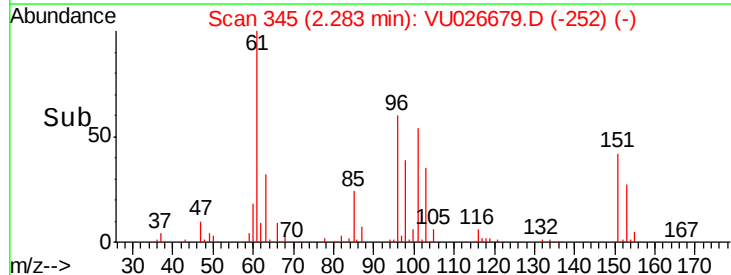
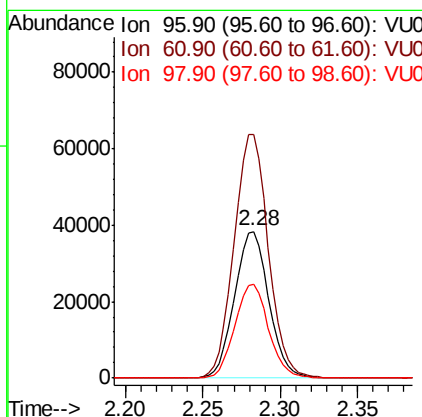
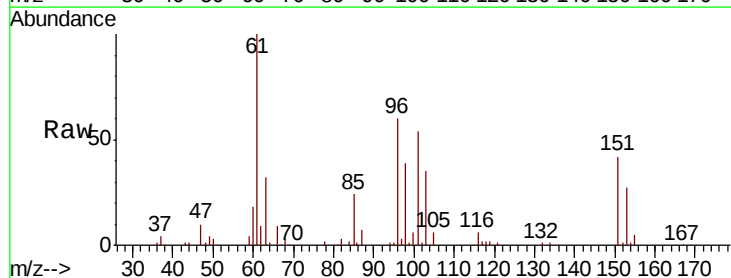
Manual Integrations
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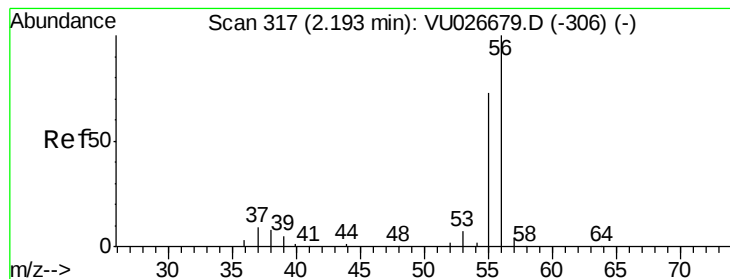
MMDadoda
9/13/2018 4:48:54 PM



#12
1,1-Dichloroethene
Concen: 49.32 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	96	Resp	58869
Ion Ratio	100	Lower	Upper
61	166.3	133.0	199.6
98	64.1	51.3	76.9





#13

Acrolein

Concen: 242.45 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 62814

Ion Ratio Lower Upper

56 100

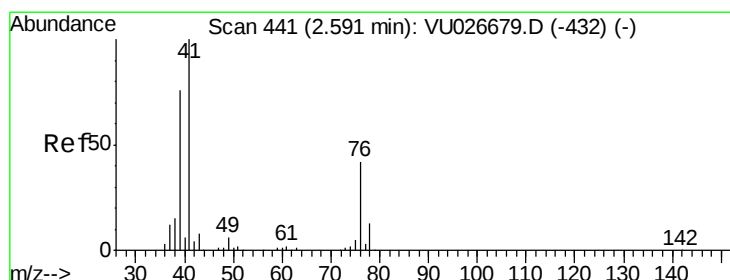
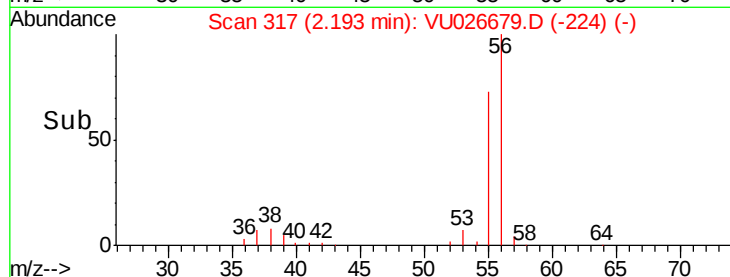
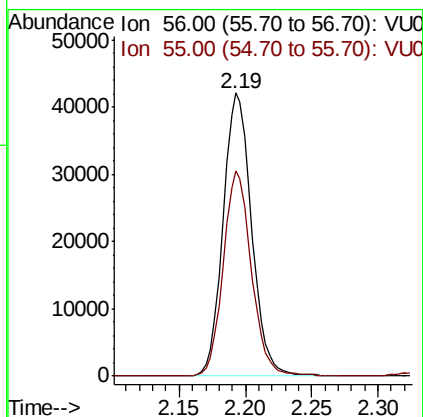
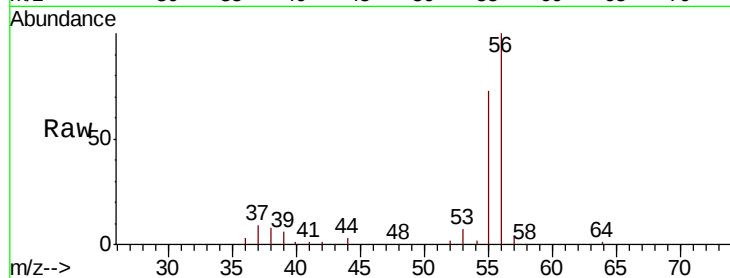
55 71.8 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 48.07 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

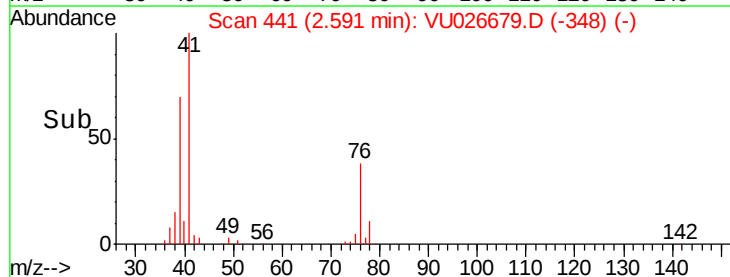
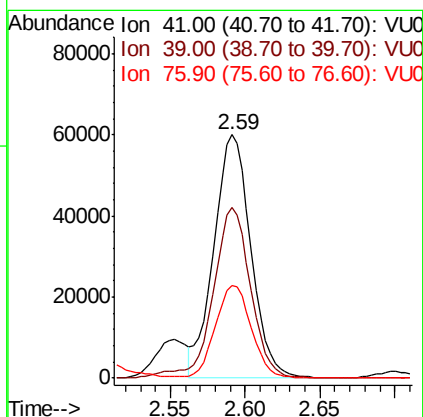
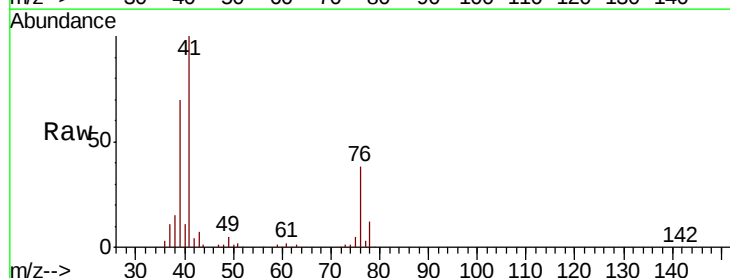
Tgt Ion: 41 Resp: 103350

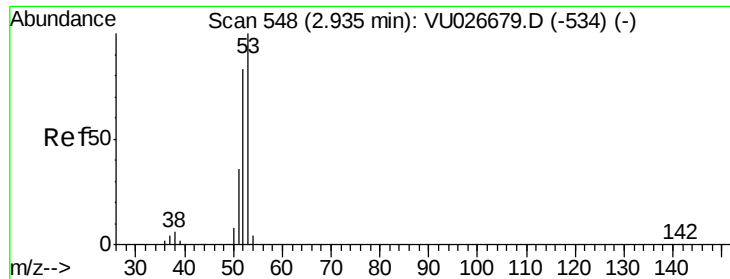
Ion Ratio Lower Upper

41 100

39 71.1 56.9 85.3

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 259.08 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

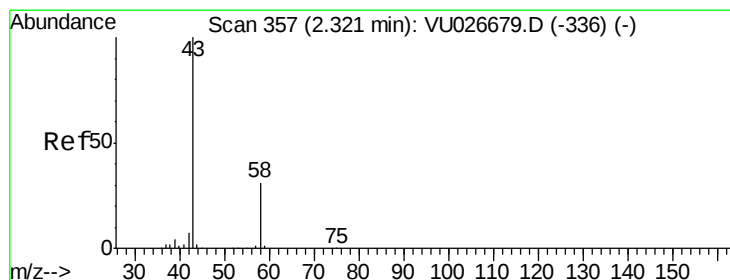
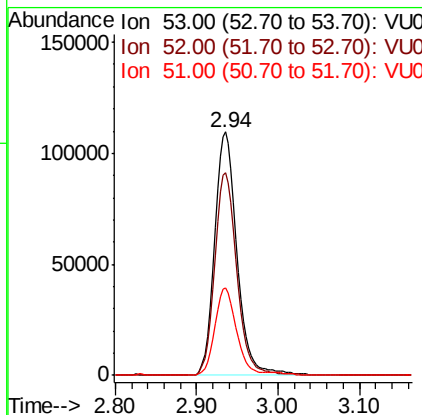
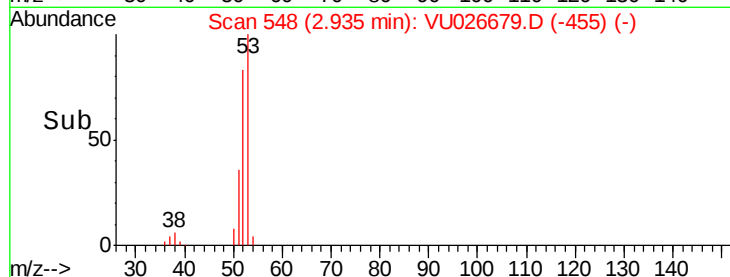
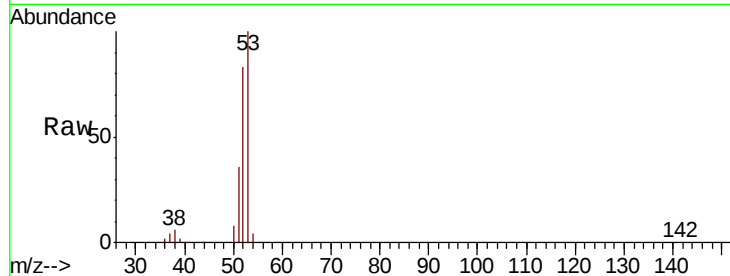
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	213603
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.8	98.8
51	34.6	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 235.41 ug/l

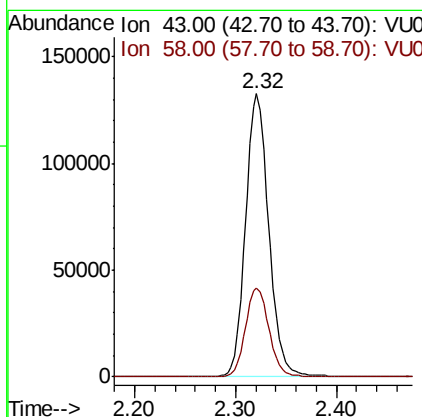
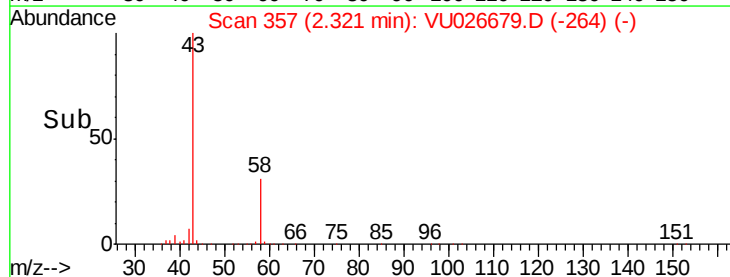
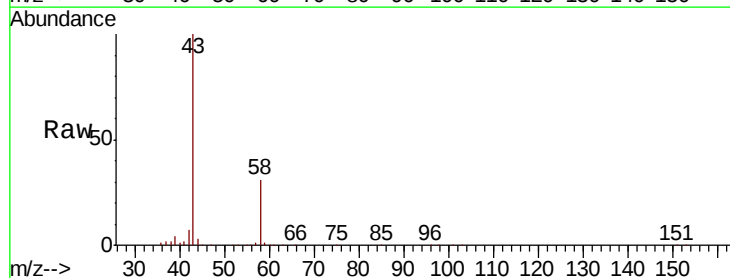
RT: 2.32 min Scan# 357

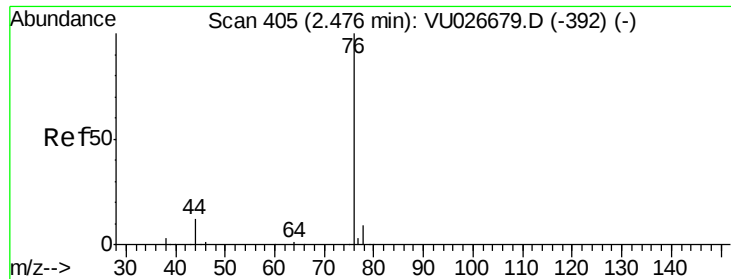
Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Tgt Ion:	43	Resp:	210215
Ion Ratio	Lower	Upper	
43	100		
58	31.4	25.1	37.7





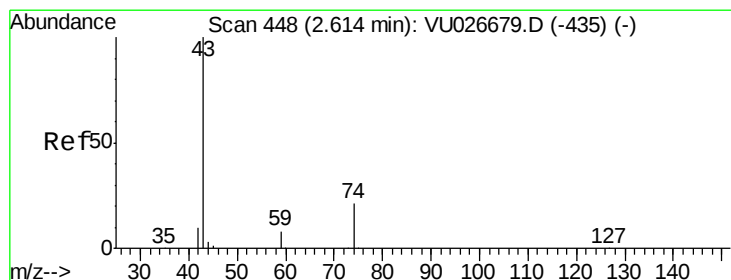
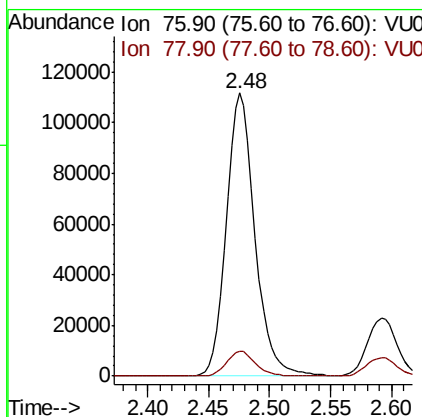
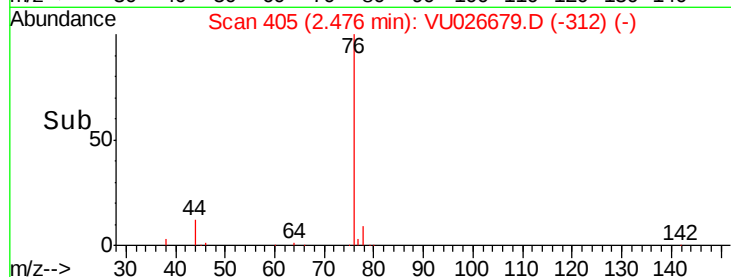
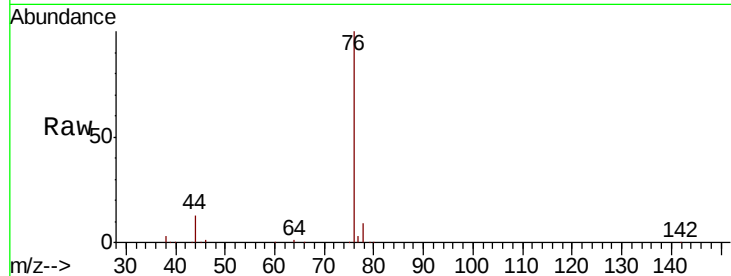
#17
Carbon Disulfide
Concen: 48.30 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

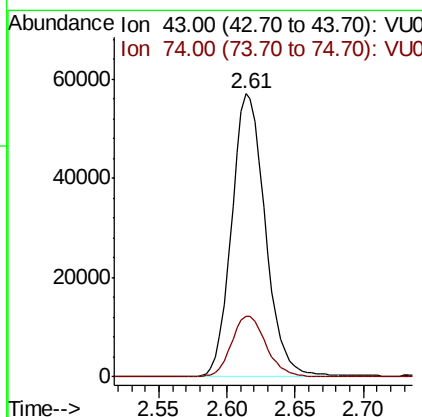
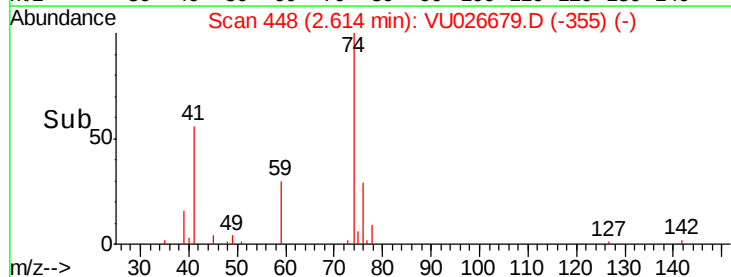
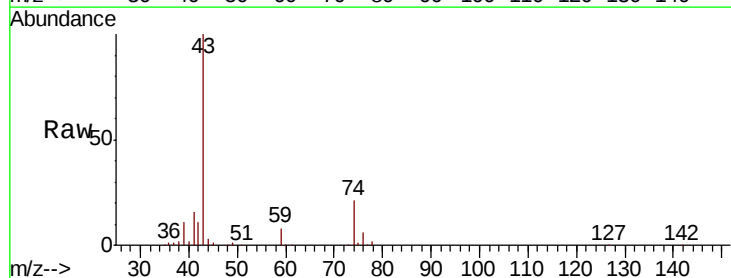
Manual Integrations
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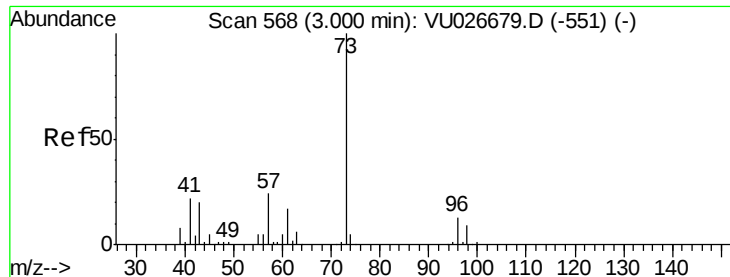
MMDadoda
9/13/2018 4:48:54 PM



#18
Methyl Acetate
Concen: 50.80 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5





#19

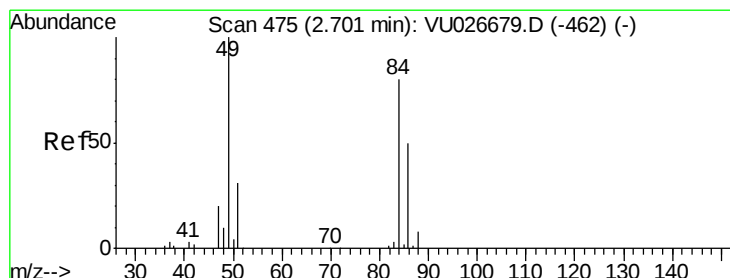
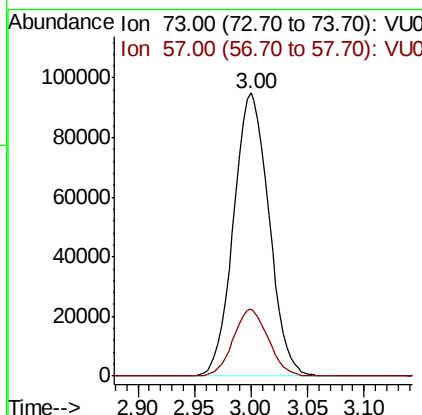
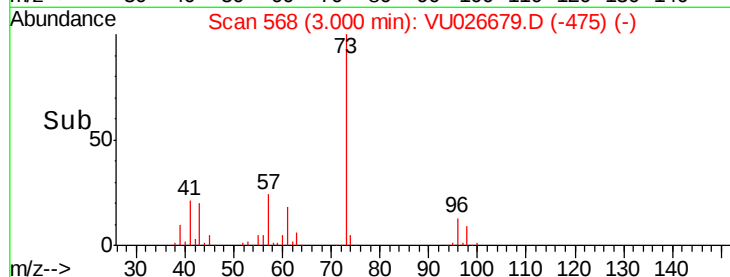
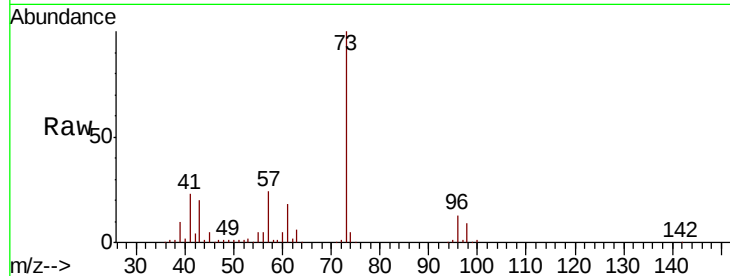
Methyl tert-butyl Ether
 Concen: 50.24 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	73	Resp	206498
Ion Ratio	Lower	Upper	
73	100		
57	23.6	18.9	28.3

Manual Integrations
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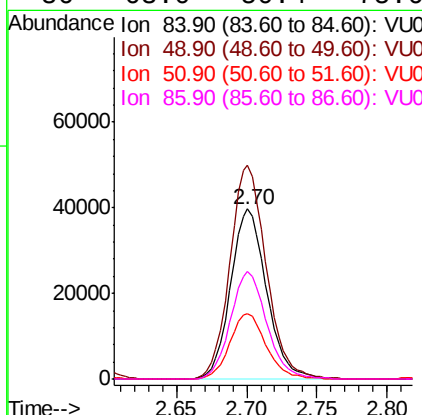
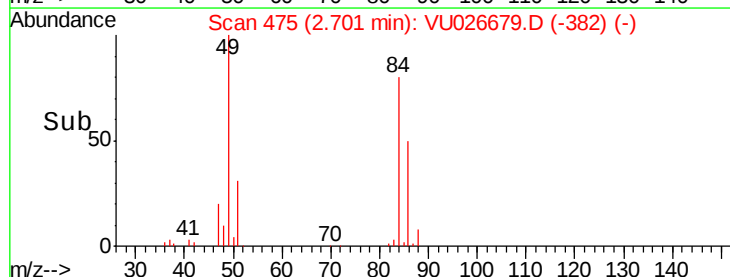
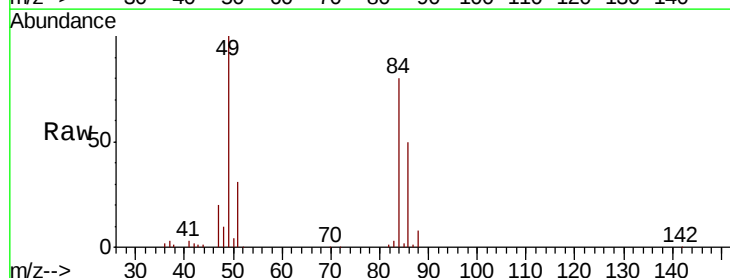
MMDadoda
 9/13/2018 4:48:54 PM

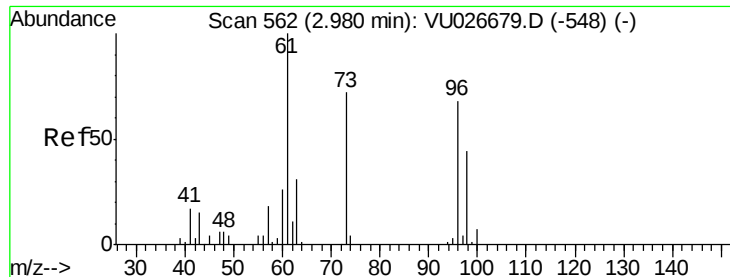


#20

Methylene Chloride
 Concen: 49.12 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	84	Resp	71150
Ion Ratio	Lower	Upper	
84	100		
49	125.8	100.6	151.0
51	38.6	30.9	46.3
86	63.0	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 50.37 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 63335

Ion Ratio Lower Upper

96 100

61 147.1 117.7 176.5

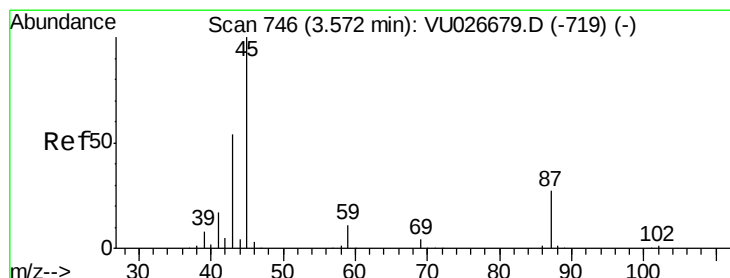
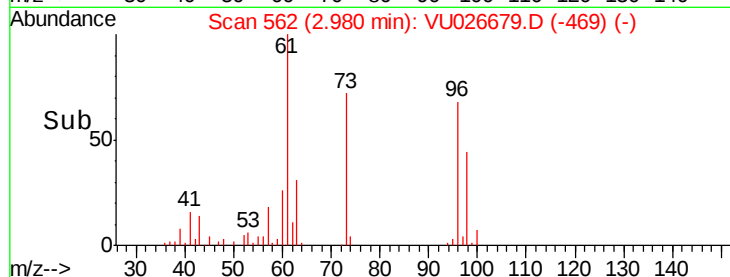
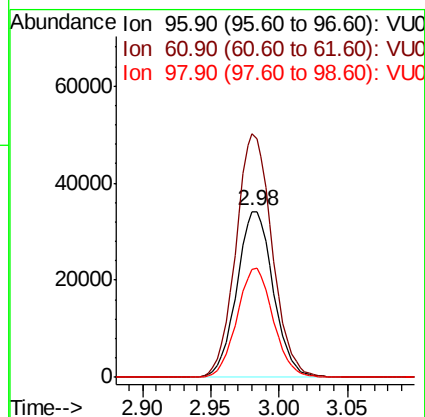
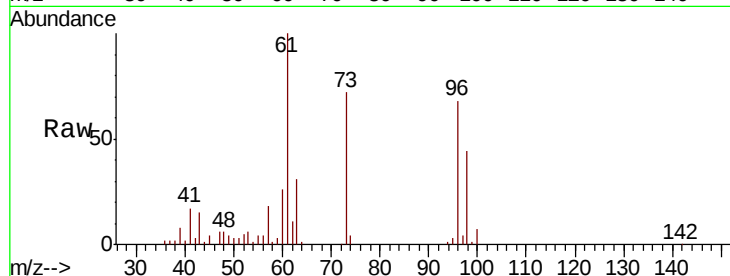
98 65.0 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.20 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Tgt Ion: 45 Resp: 234212

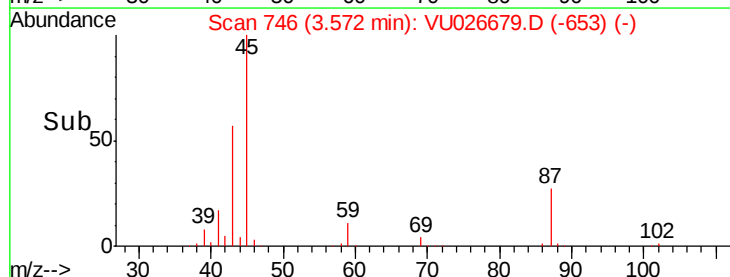
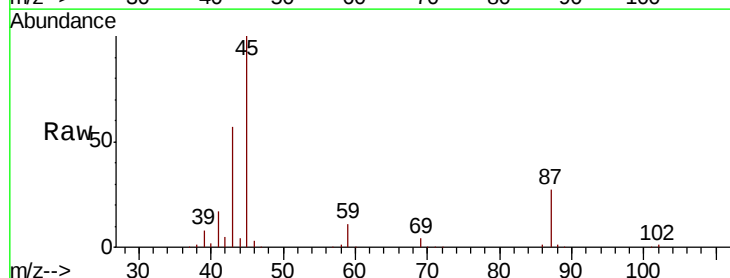
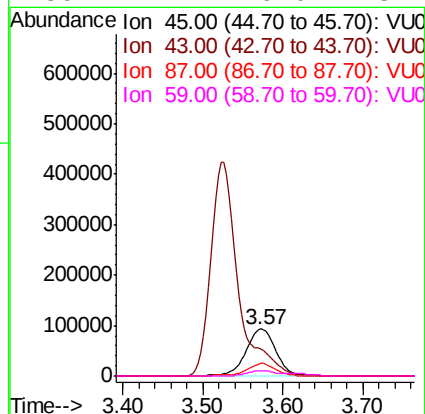
Ion Ratio Lower Upper

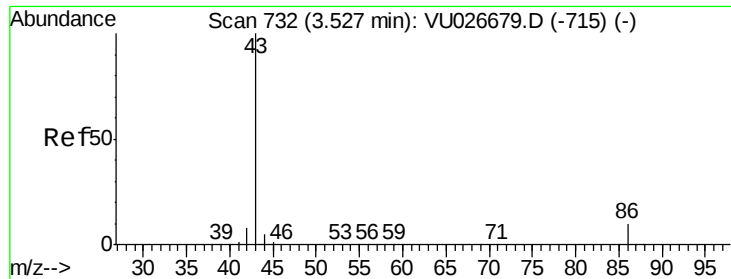
45 100

43 55.8 44.6 67.0

87 26.7 21.4 32.0

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 264.10 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1006614

Ion Ratio Lower Upper

43 100

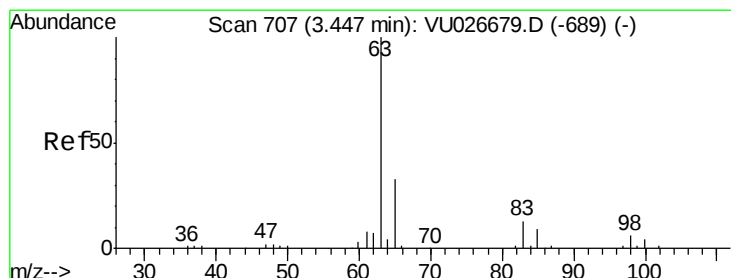
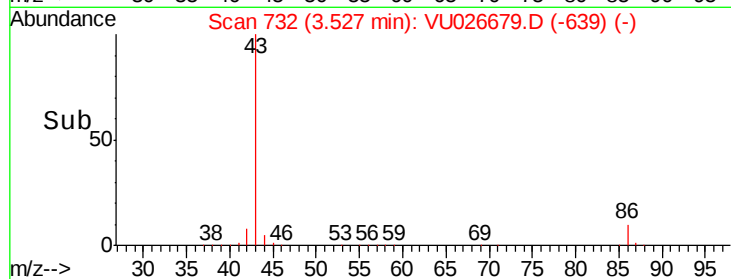
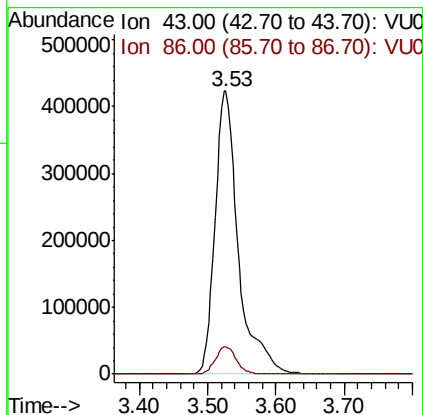
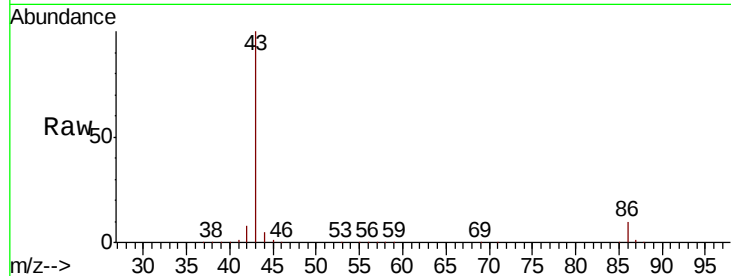
86 9.8 7.8 11.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 50.72 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

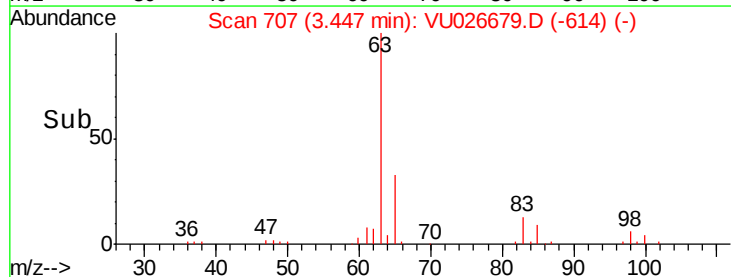
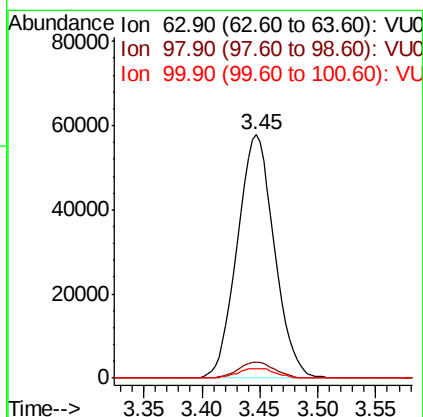
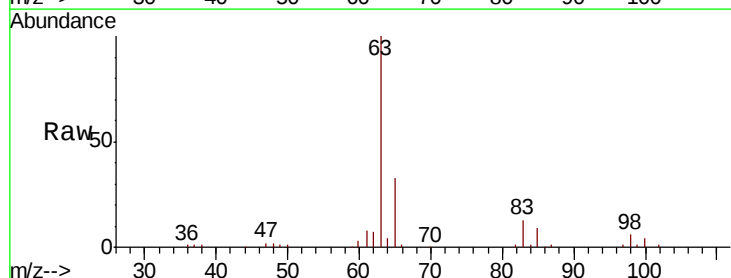
Tgt Ion: 63 Resp: 128376

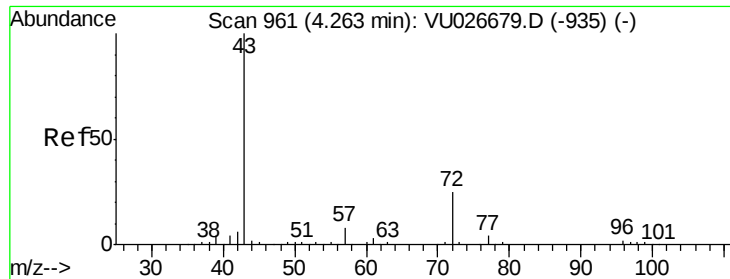
Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 254.64 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 306301

Ion Ratio Lower Upper

43 100

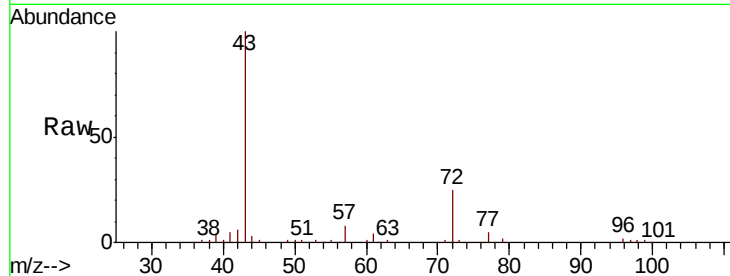
72 25.4 20.3 30.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU026679.D (-935) (-)

Ion 72.00 (71.70 to 72.70): VU026679.D (-935) (-)

4.26

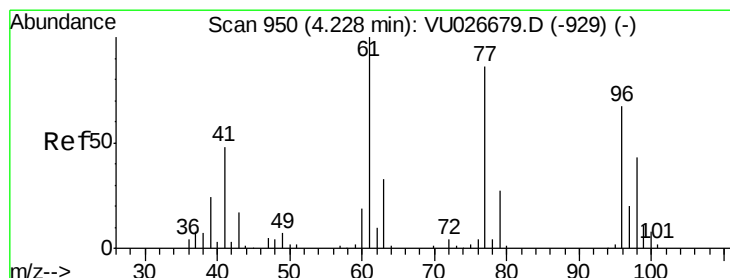
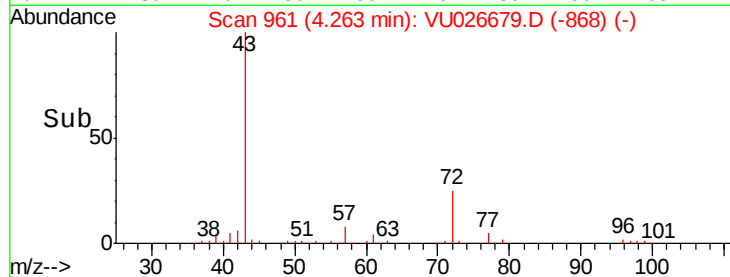
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.31 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026679.D

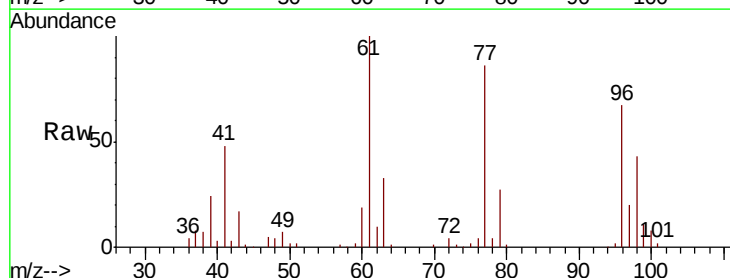
Acq: 11 Sep 2018 11:43

Tgt Ion: 77 Resp: 104661

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU026679.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU026679.D (-929) (-)

4.23

40000

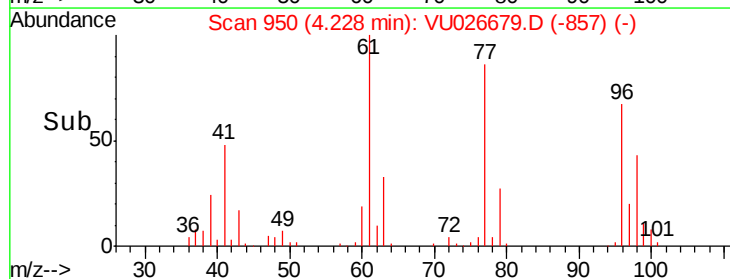
30000

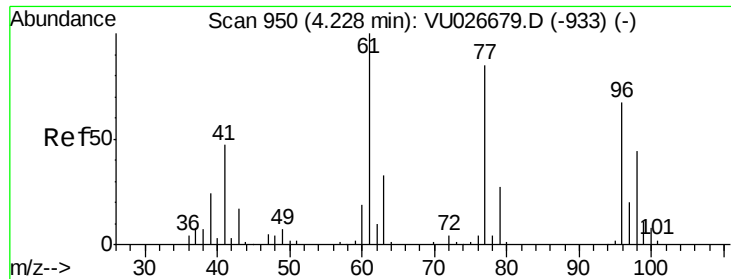
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.95 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 73848

Ion Ratio Lower Upper

96 100

61 150.9 0.0 301.8

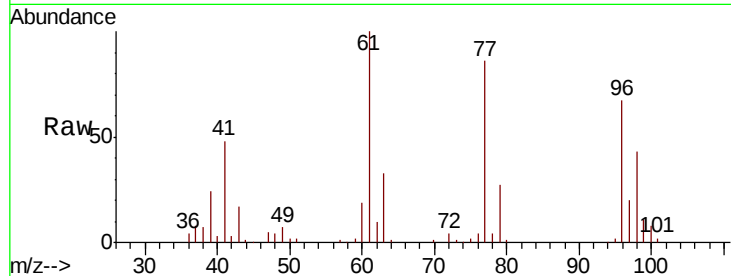
98 63.6 0.0 127.2

Manual Integrations

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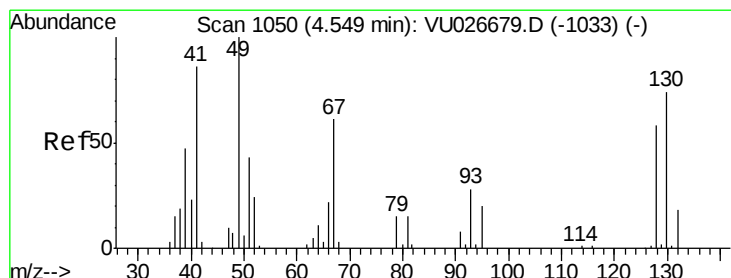
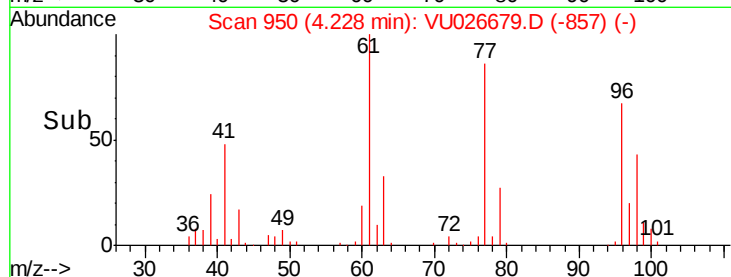
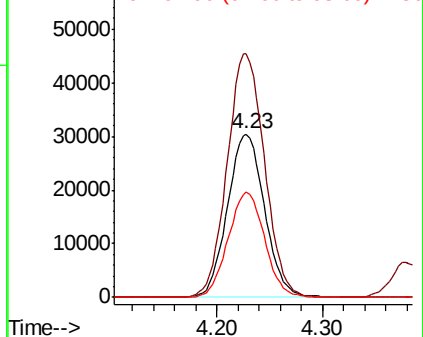


Abundance

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



#28

Bromochloromethane

Concen: 51.43 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

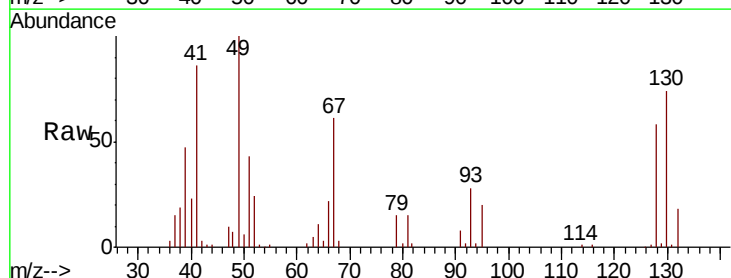
Tgt Ion: 49 Resp: 62246

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 74.7 59.8 89.6

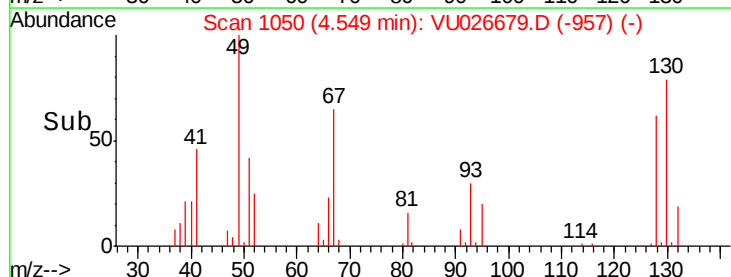
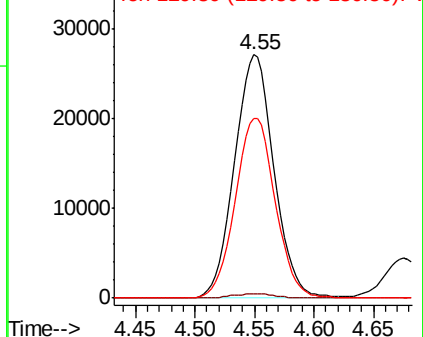


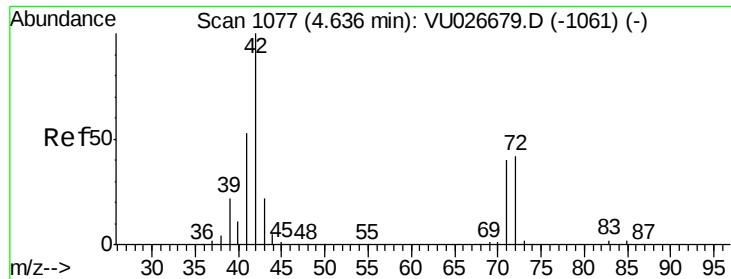
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





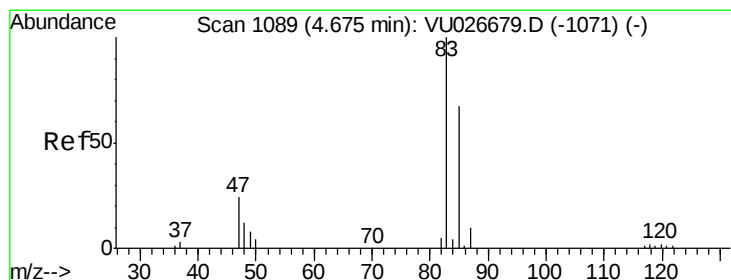
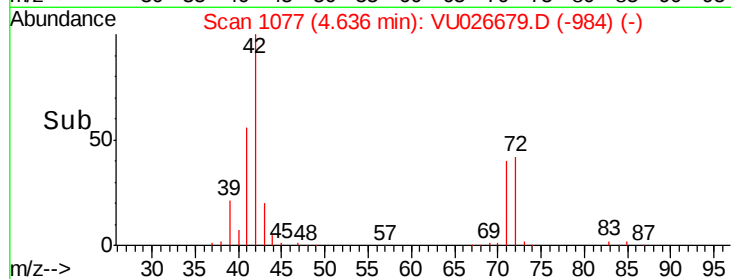
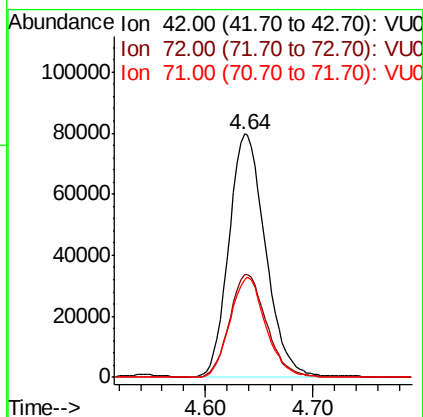
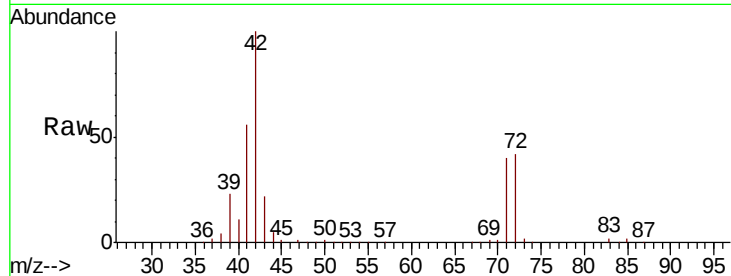
#29
Tetrahydrofuran
Concen: 258.19 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.4	51.6
71	40.5	32.4	48.6

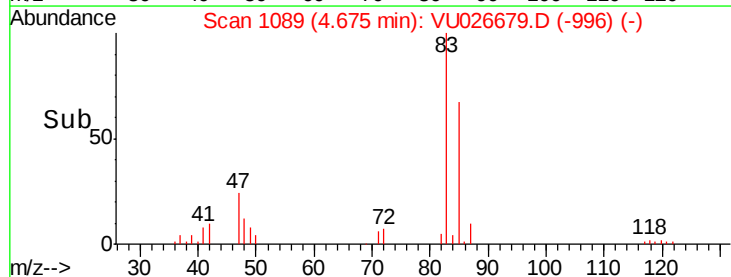
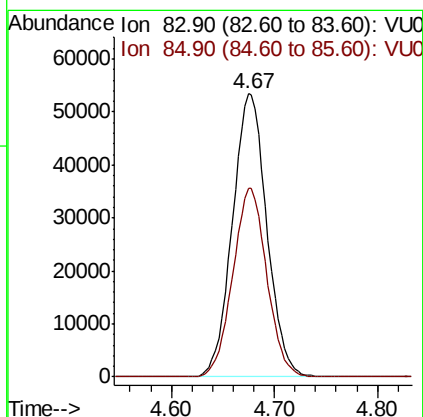
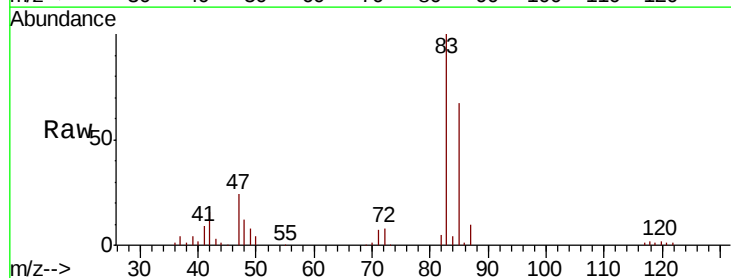
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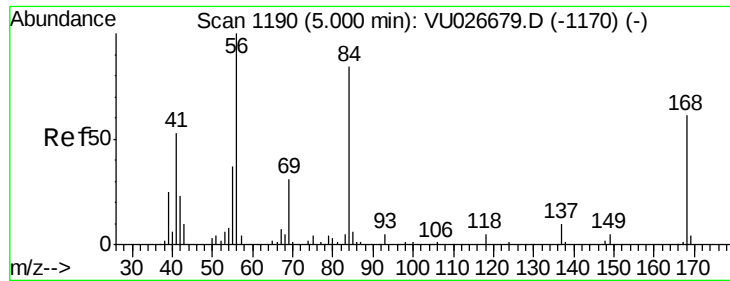
MMDadoda
9/13/2018 4:48:54 PM



#30
Chloroform
Concen: 49.75 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.3	79.9





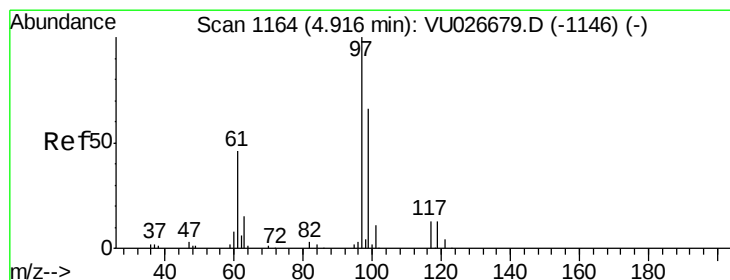
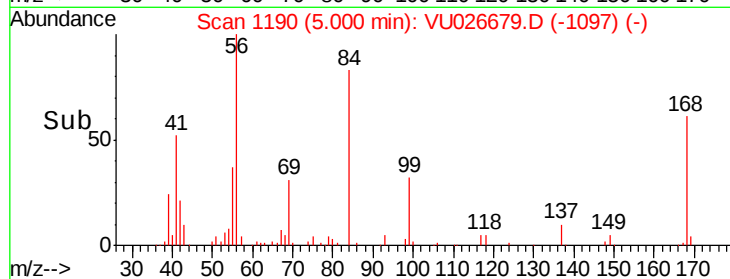
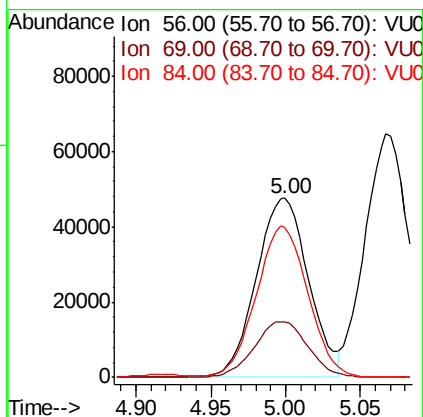
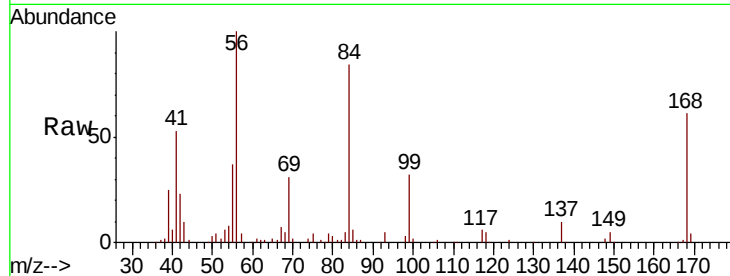
#31
Cyclohexane
Concen: 44.11 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	83.3	66.6	100.0

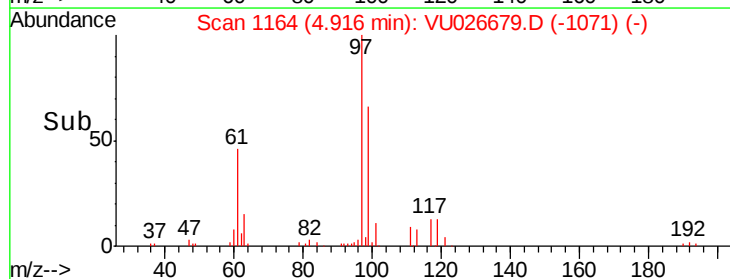
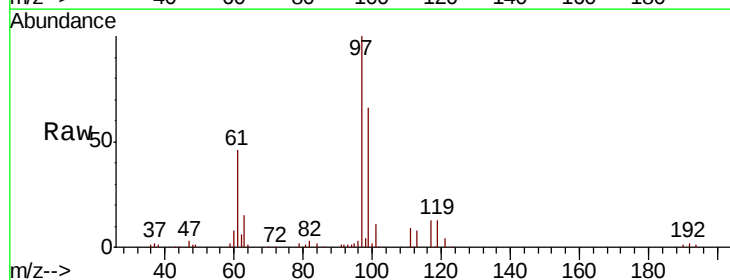
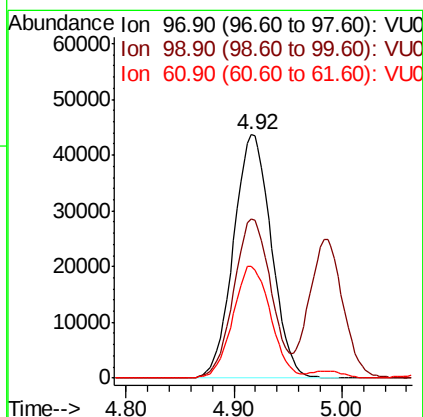
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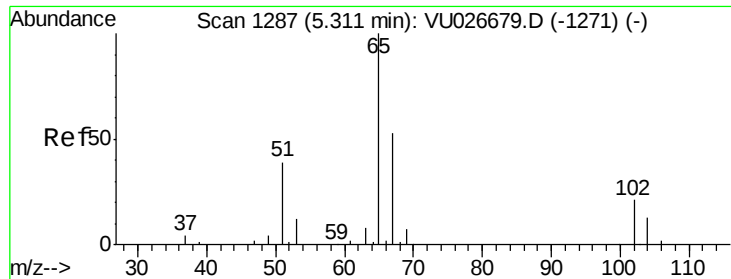
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#32
1,1,1-Trichloroethane
Concen: 51.37 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	46.0	36.8	55.2





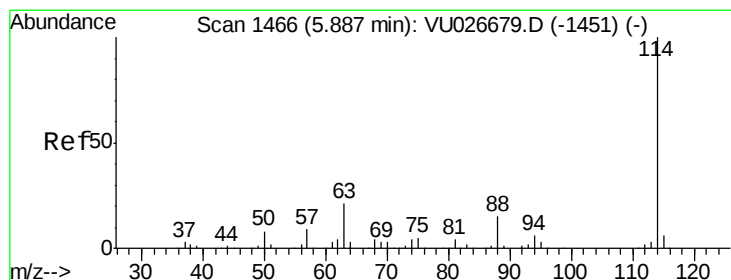
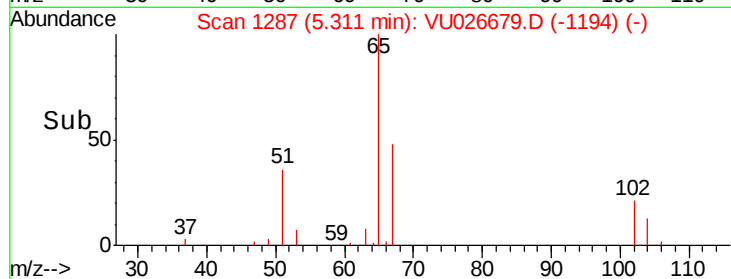
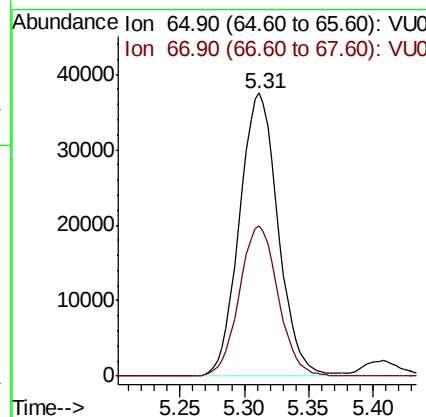
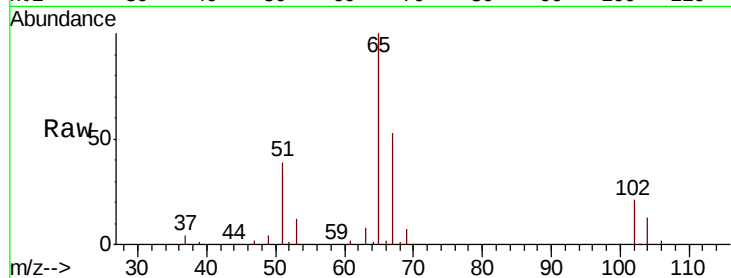
#33
 1,2-Dichloroethane-d4
 Concen: 49.66 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.4

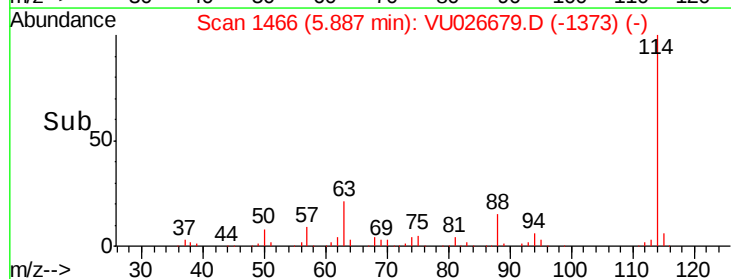
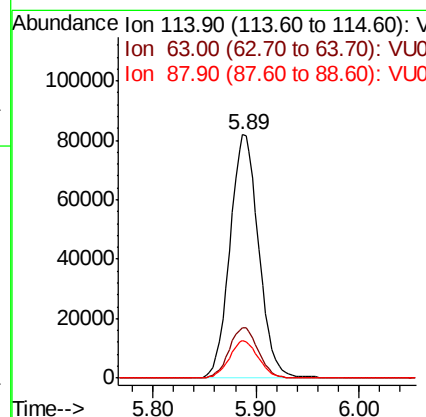
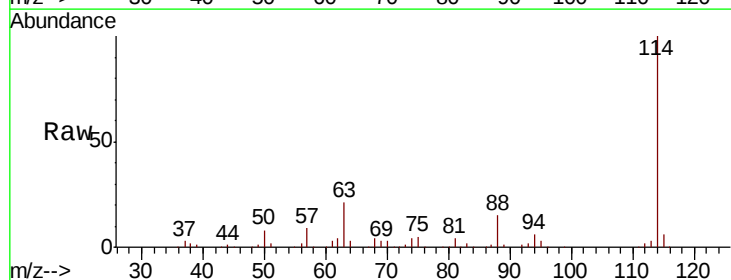
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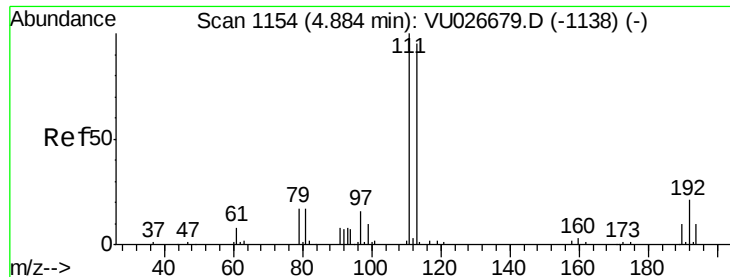
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.4
88	15.4	0.0	30.8





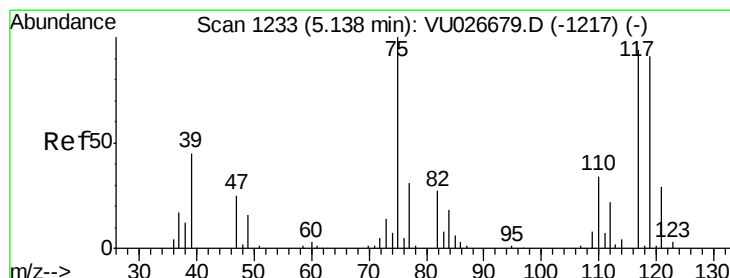
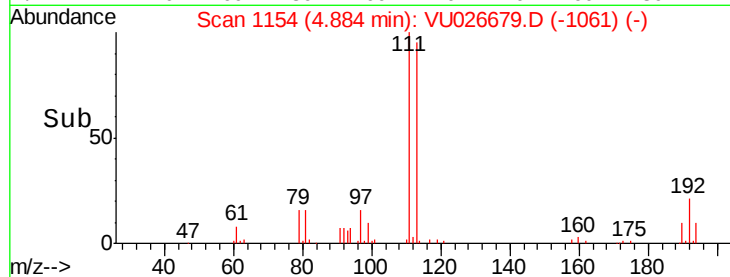
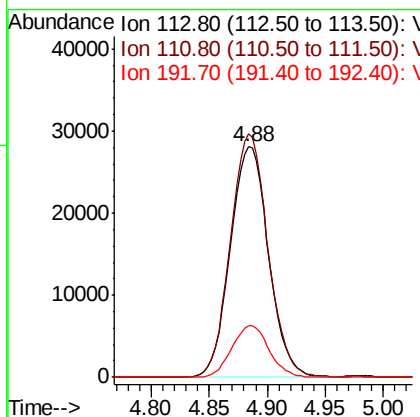
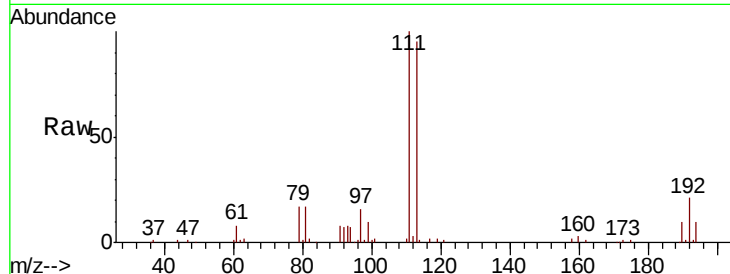
#35
 Dibromofluoromethane
 Concen: 49.31 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	21.8	17.4	26.2

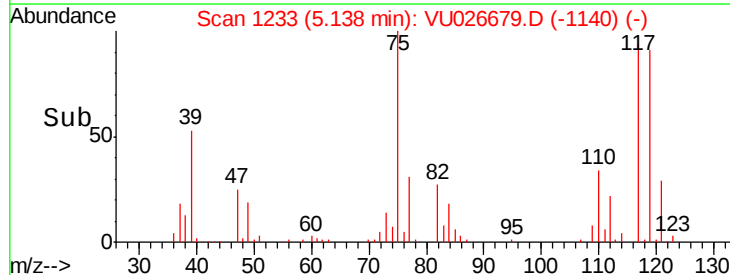
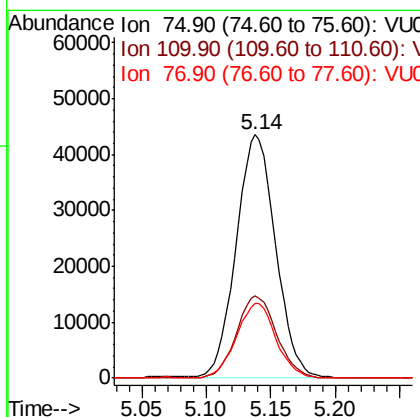
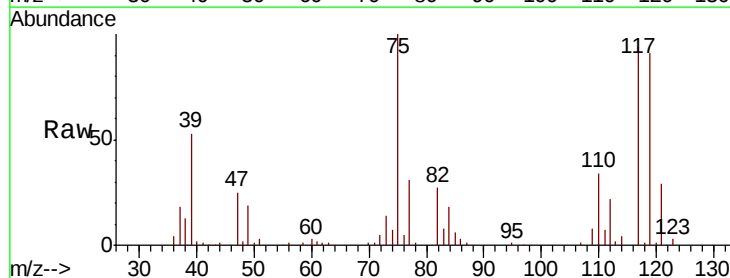
Manual Integrations
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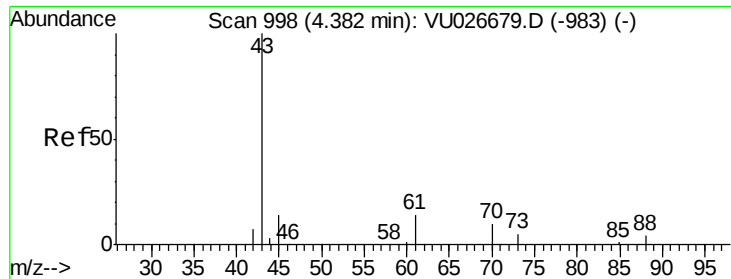
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 51.41 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	51.9
77	31.1	24.9	37.3





#37

Ethyl Acetate

Concen: 50.44 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

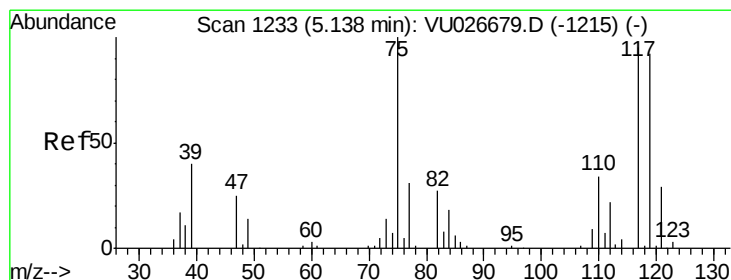
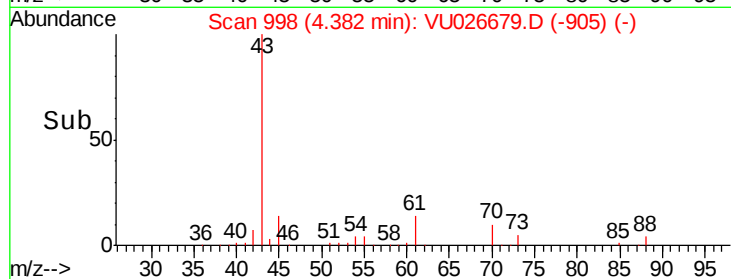
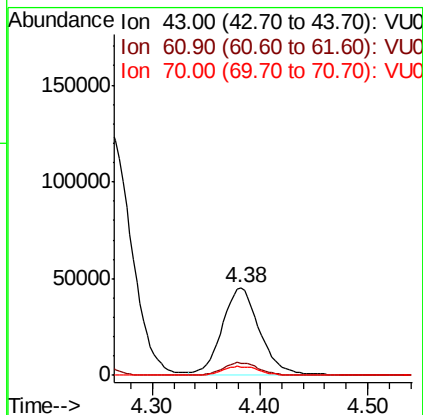
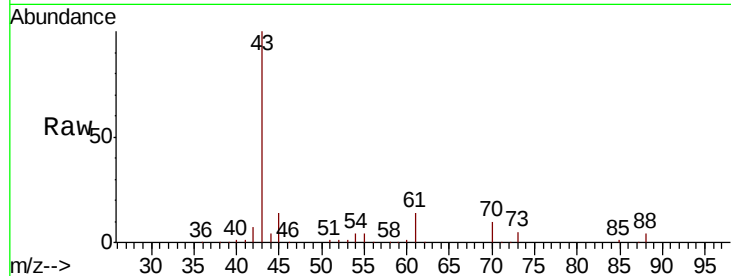
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	108371
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	9.8	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.27 ug/l

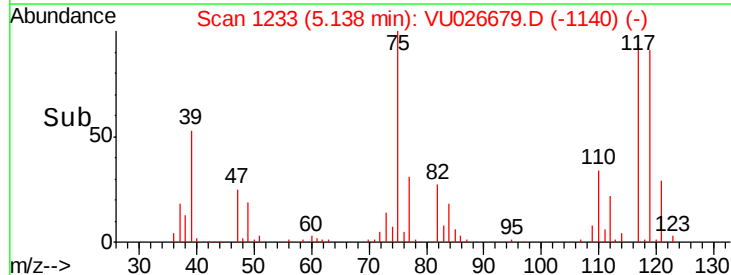
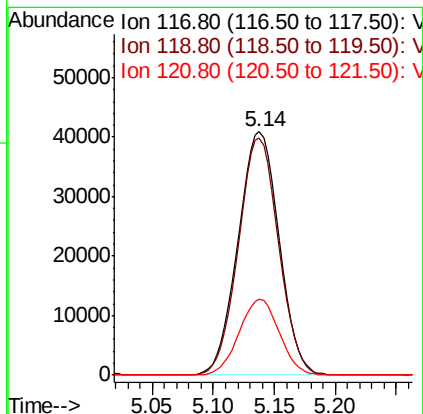
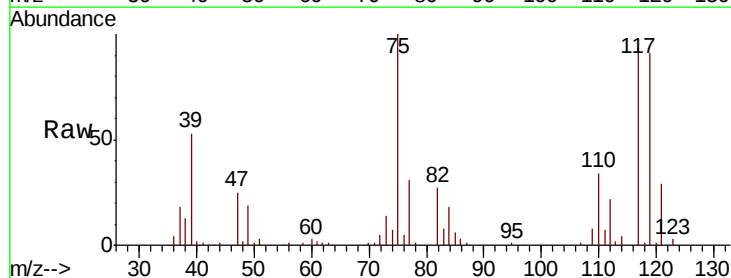
RT: 5.14 min Scan# 1233

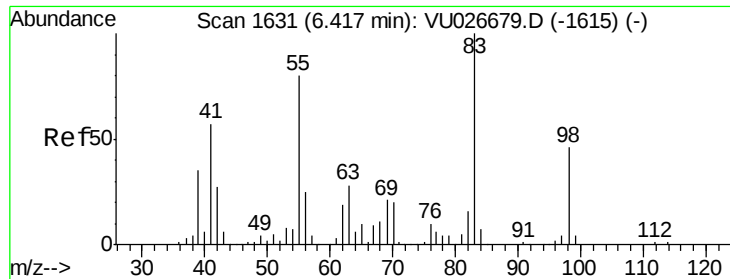
Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Tgt Ion:	117	Resp:	94889
Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
121	31.2	25.0	37.4





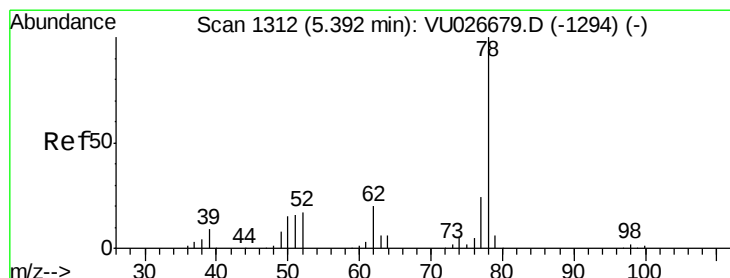
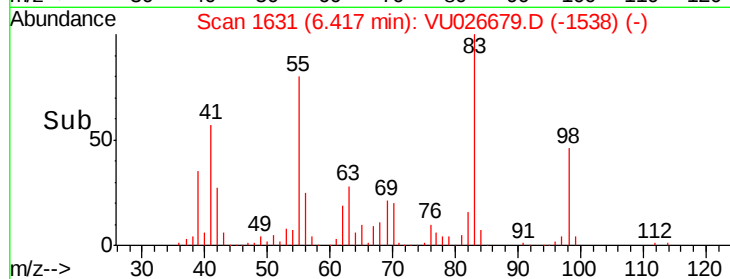
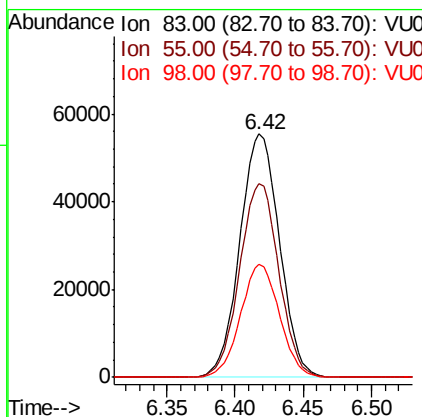
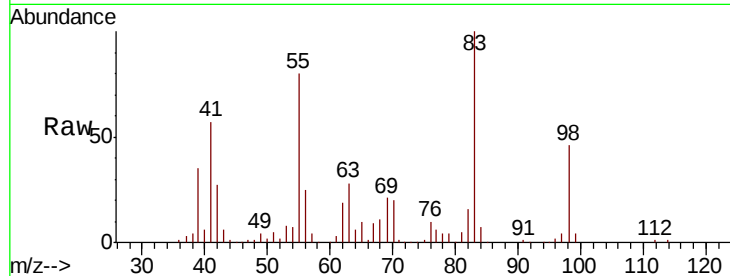
#39
Methvlcvclohexane
Concen: 52.71 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	63.8	95.6
98	46.5	37.2	55.8

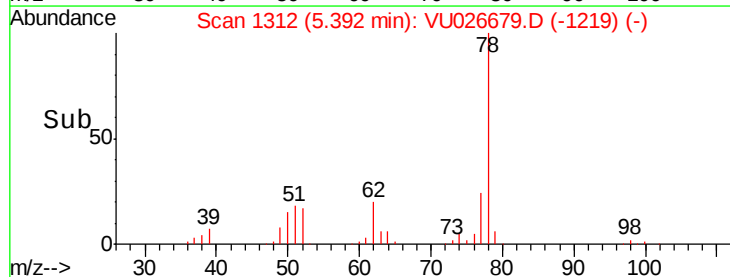
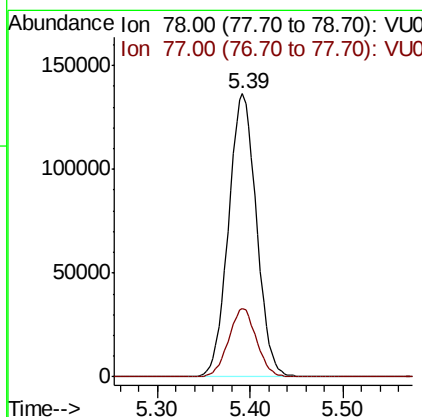
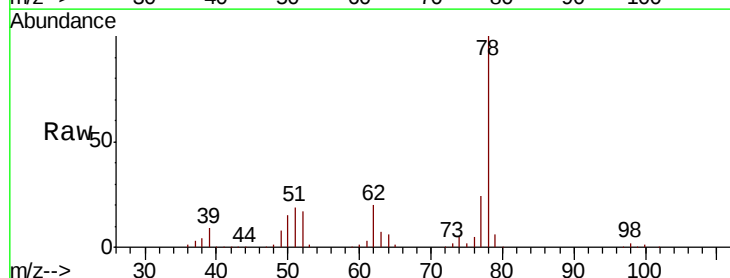
Manual Integrations
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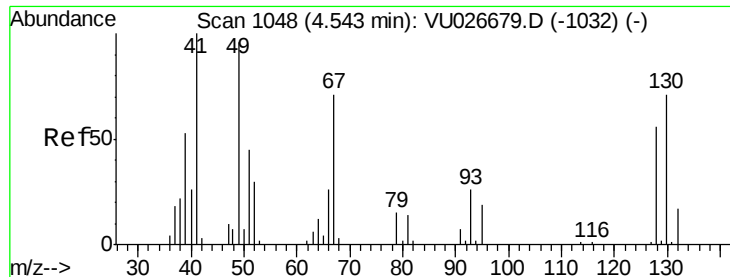
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#40
Benzene
Concen: 51.30 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





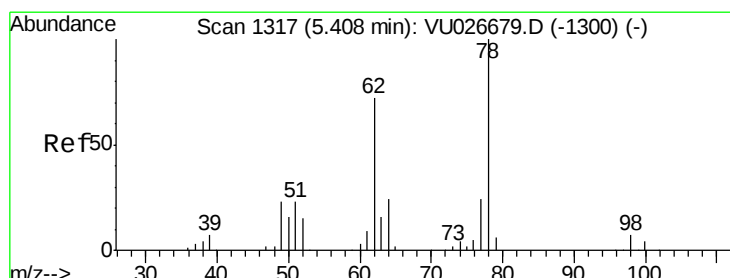
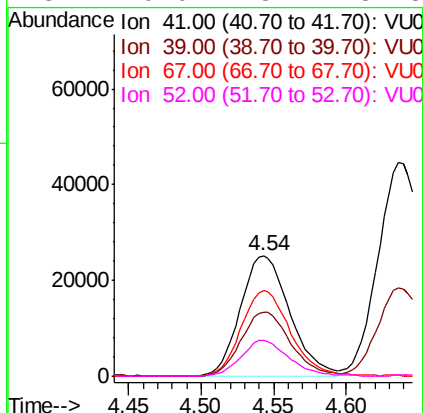
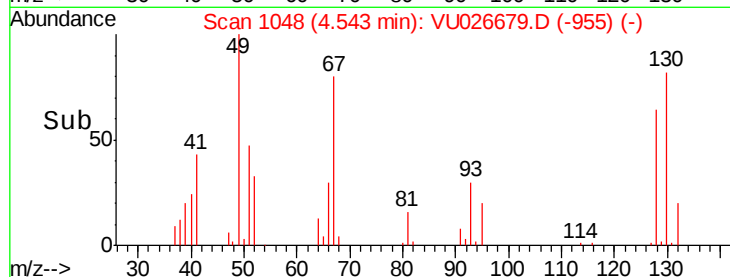
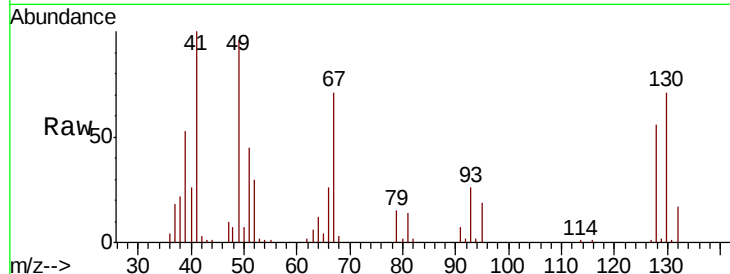
#41
Methacrylonitrile
Concen: 53.53 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.9	64.3	
67	70.7	56.6	84.8	
52	29.0	23.2	34.8	

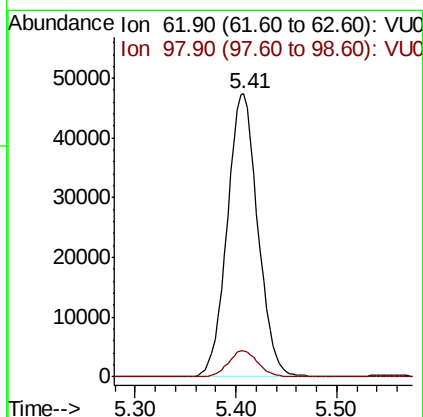
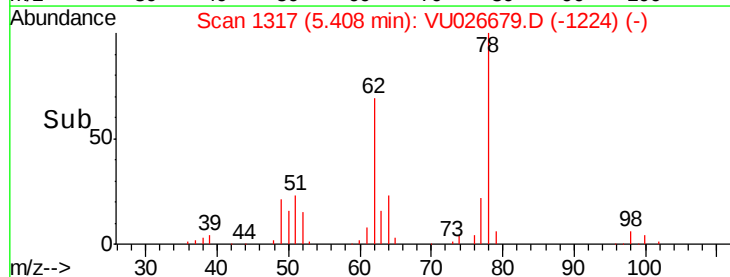
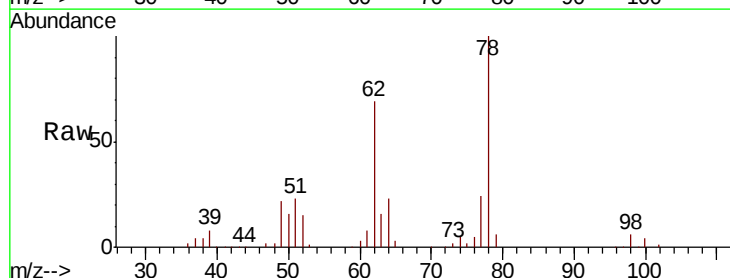
Manual Integrations
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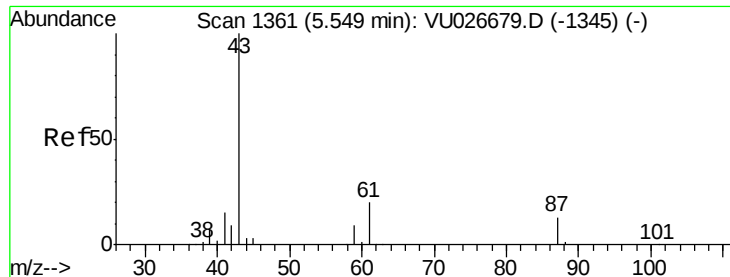
MMDadoda
9/13/2018 4:48:54 PM



#42
1,2-Dichloroethane
Concen: 50.73 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.8	





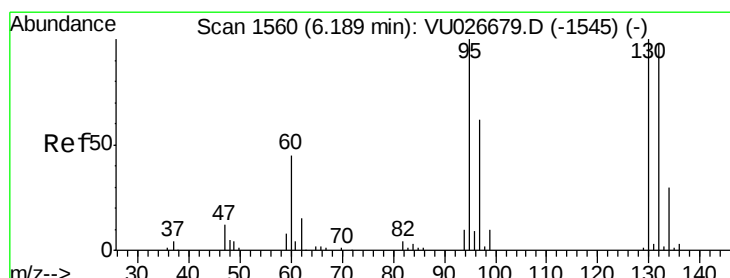
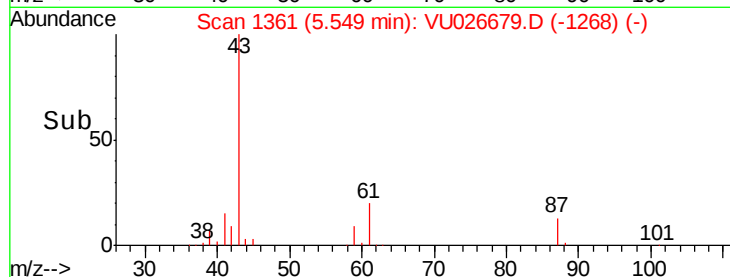
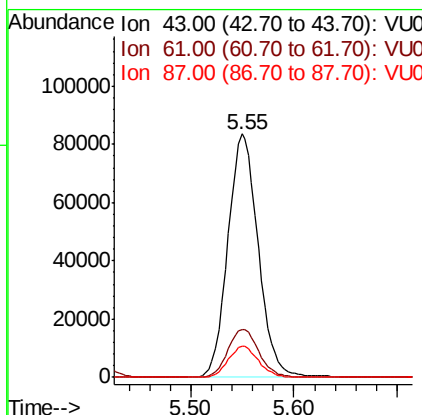
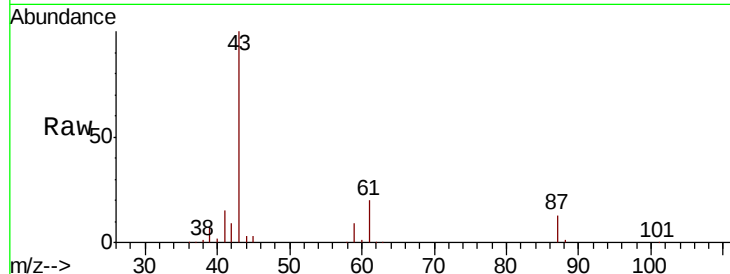
#43
Isopropyl Acetate
Concen: 52.42 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.0	24.0
87	12.6	10.1	15.1

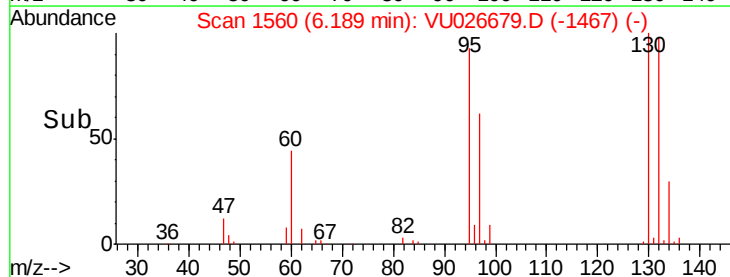
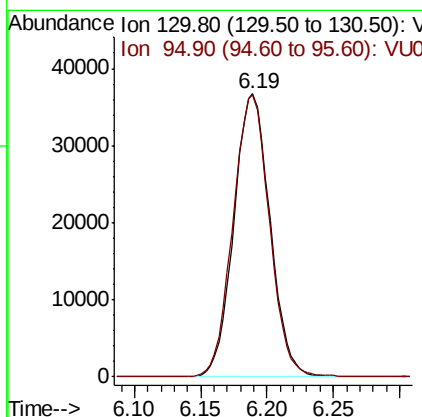
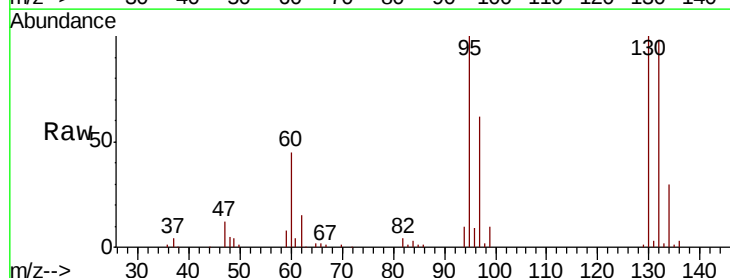
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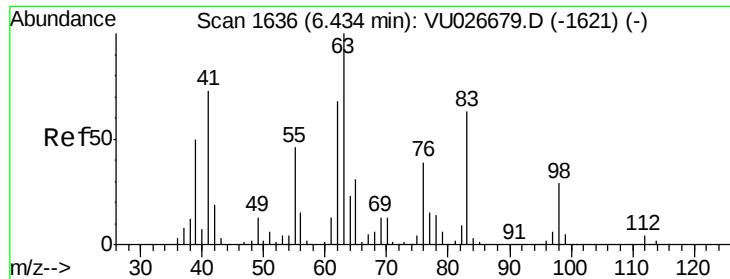
MMDadoda
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#44
Trichloroethene
Concen: 50.64 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	199.4





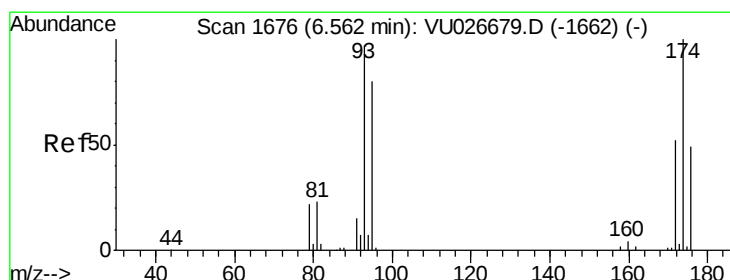
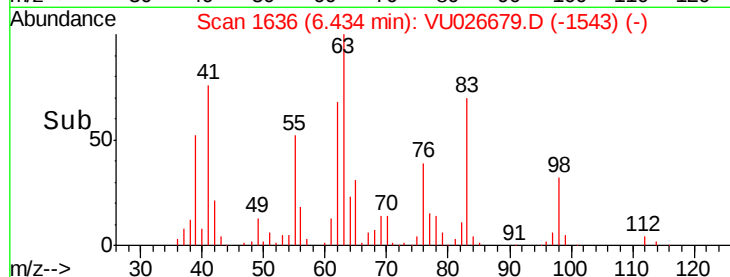
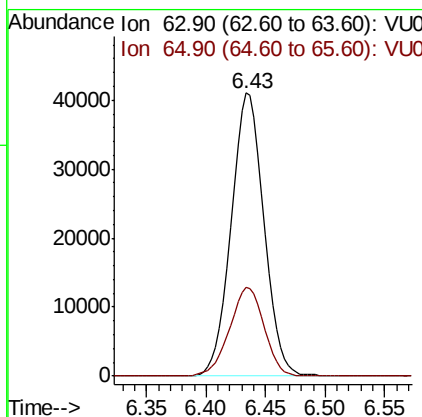
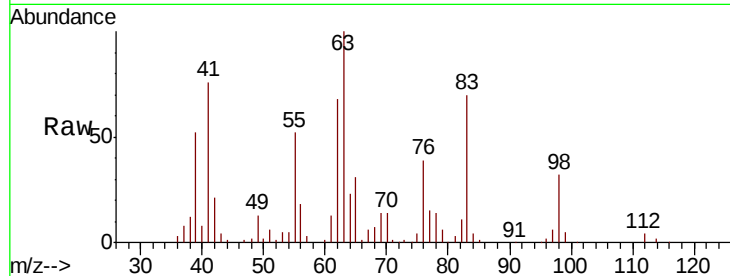
#45
 1,2-Dichloropropane
 Concen: 51.87 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 78231
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

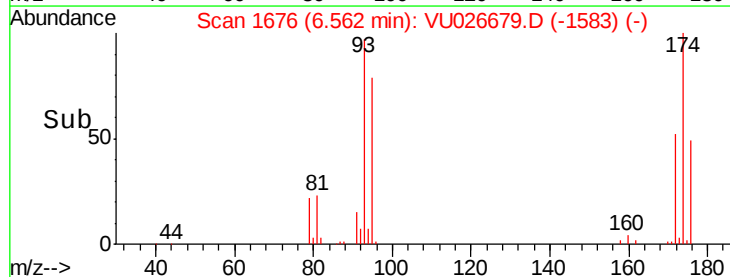
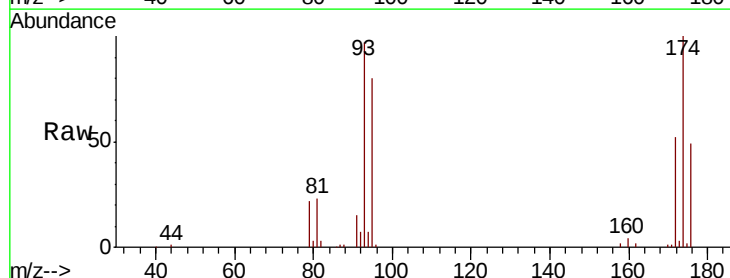
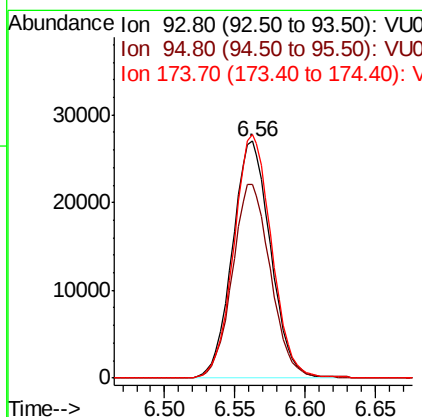
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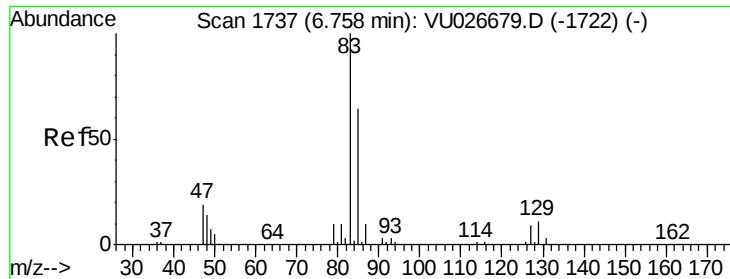
MMDadoda
 9/13/2018 4:48:54 PM



#46
 Dibromomethane
 Concen: 52.54 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 93 Resp: 51137
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.4 98.2
 174 102.0 81.6 122.4





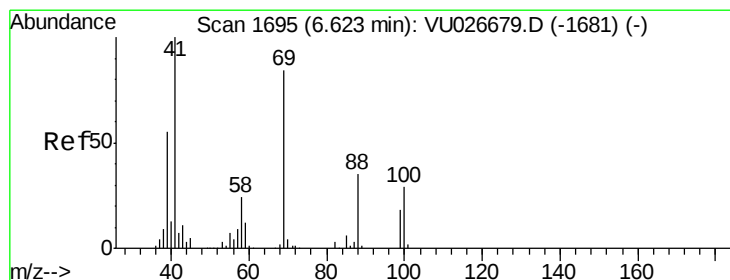
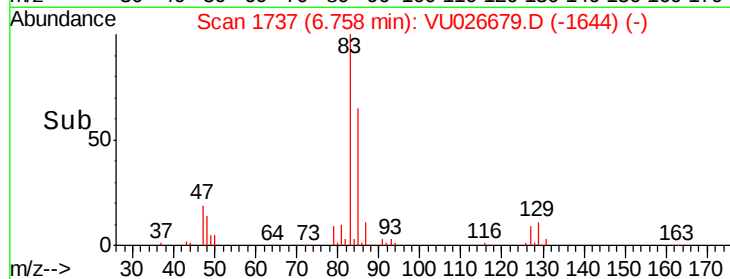
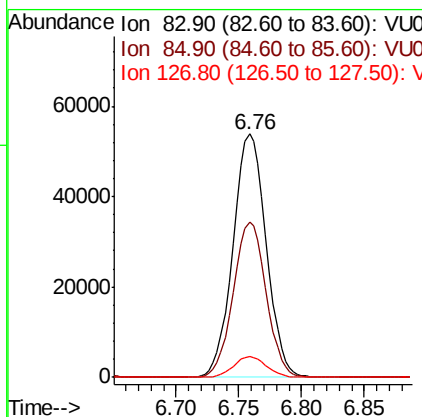
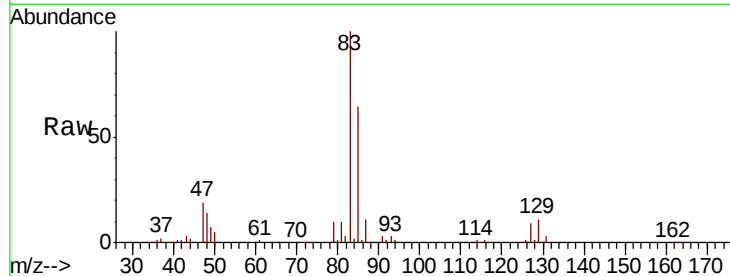
#47
 Bromodichloromethane
 Concen: 51.71 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.9	51.1	76.7	
127	8.6	6.9	10.3	

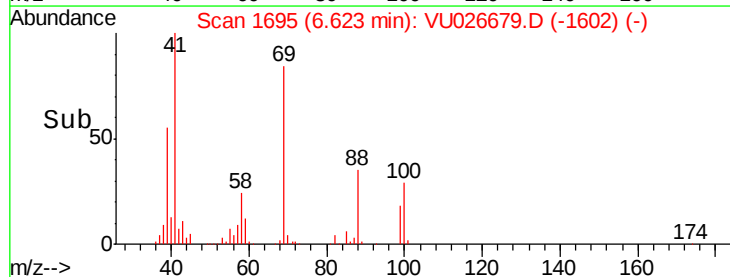
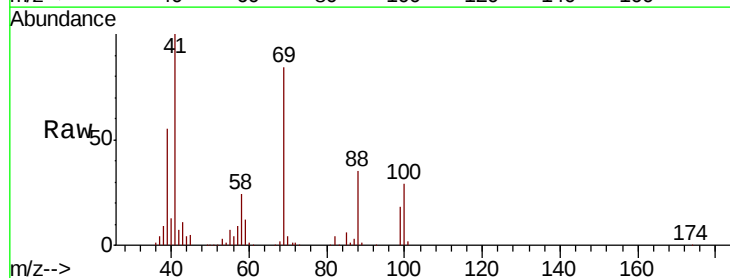
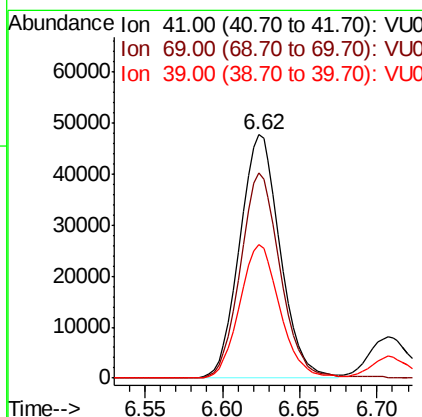
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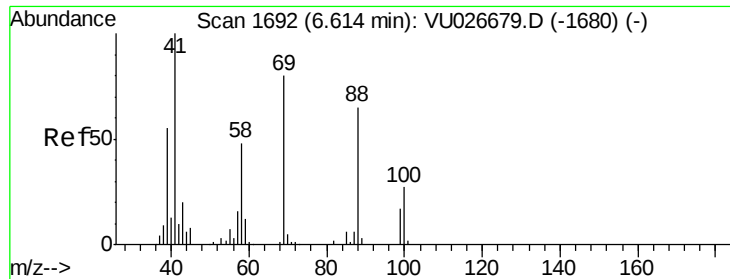
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#48
 Methyl methacrylate
 Concen: 53.81 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	83.2	66.6	99.8	
39	54.5	43.6	65.4	





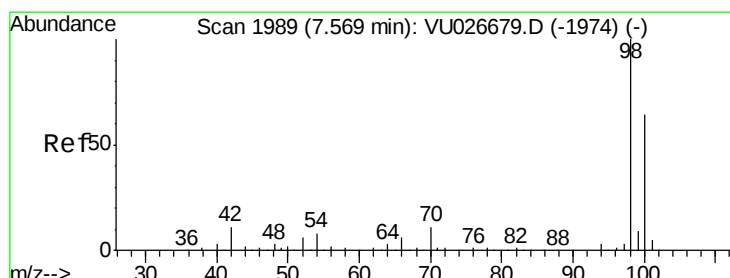
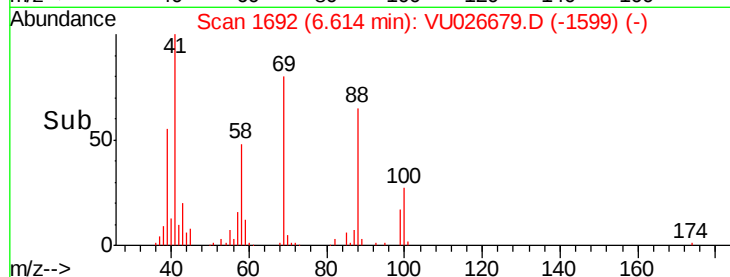
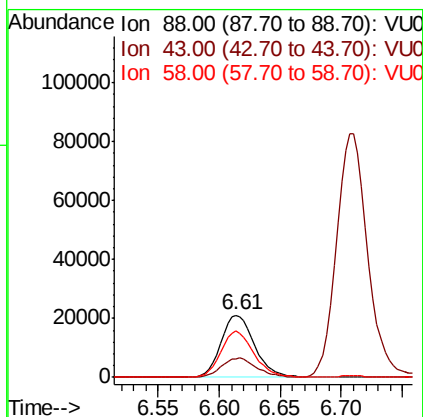
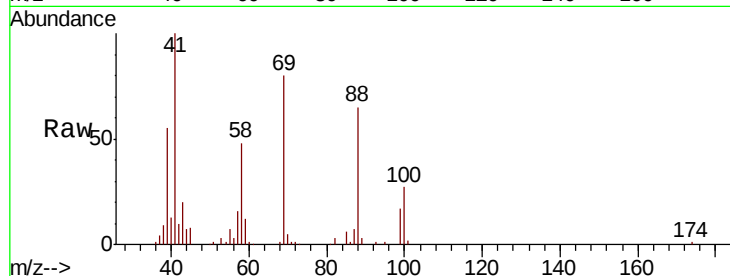
#49
1,4-Dioxane
Concen: 1094.72 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.5	38.3
58	72.8	58.2	87.4

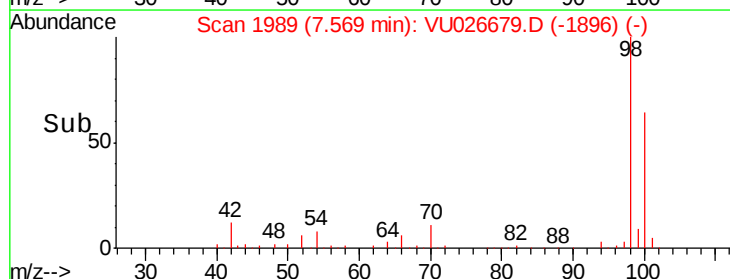
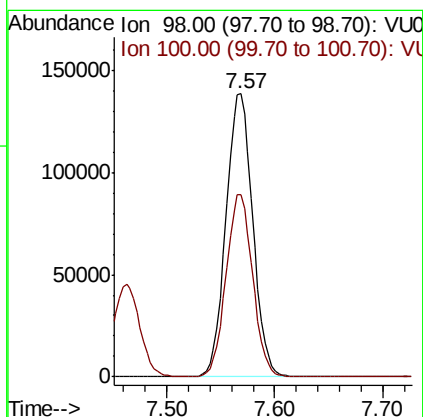
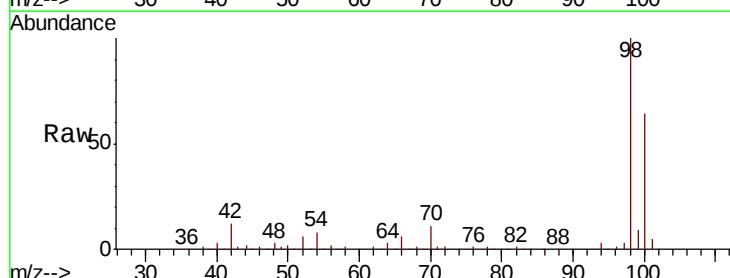
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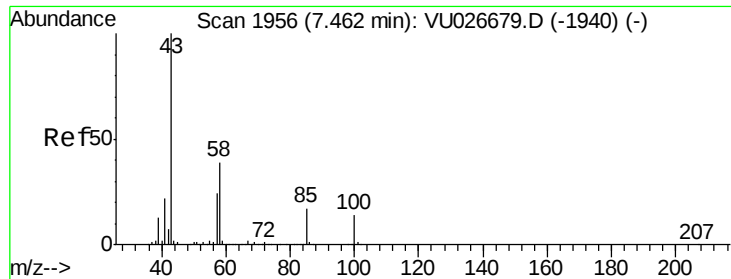
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#50
Toluene-d8
Concen: 49.99 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 259.52 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 567836

Ion Ratio Lower Upper

43 100

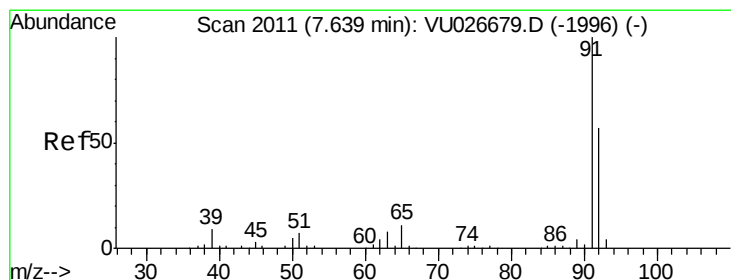
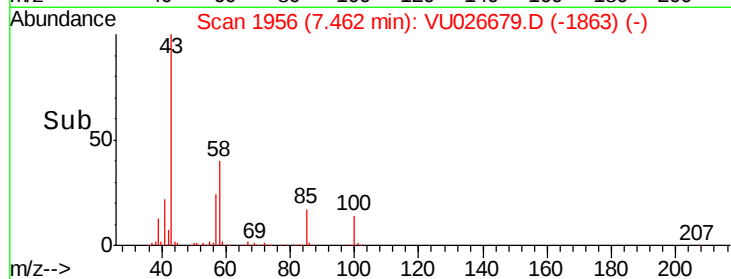
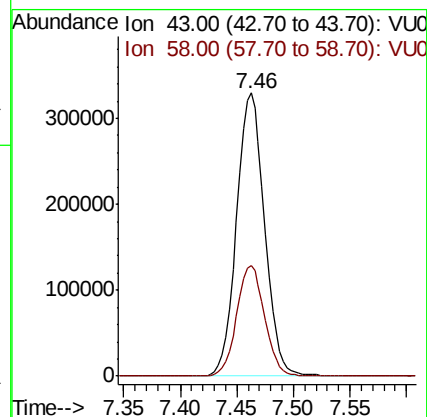
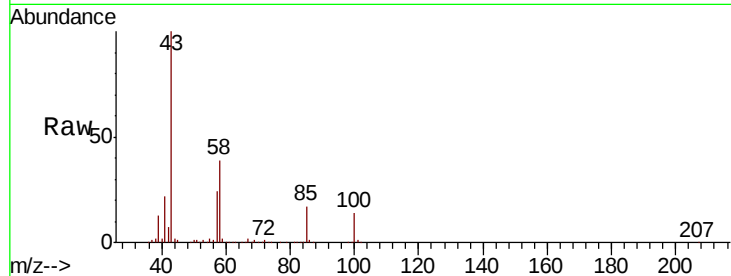
58 38.9 31.1 46.7

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#52

Toluene

Concen: 52.36 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026679.D

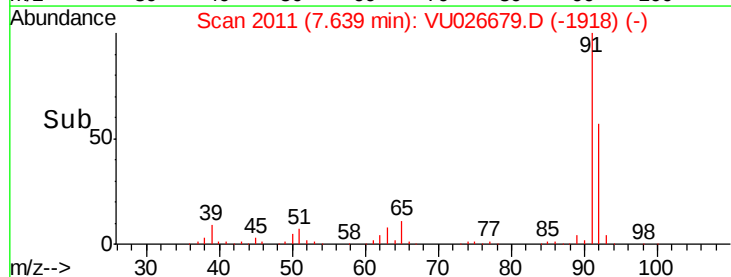
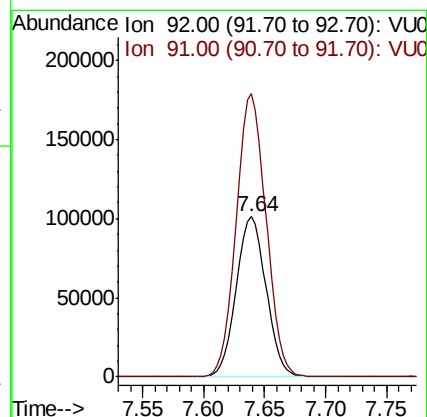
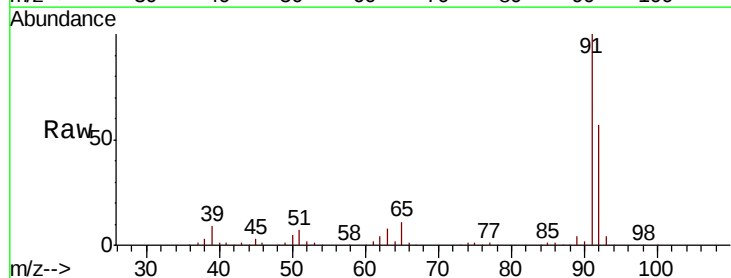
Acq: 11 Sep 2018 11:43

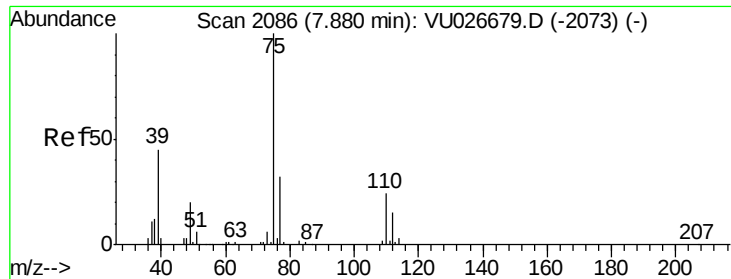
Tgt Ion: 92 Resp: 173056

Ion Ratio Lower Upper

92 100

91 176.4 141.1 211.7





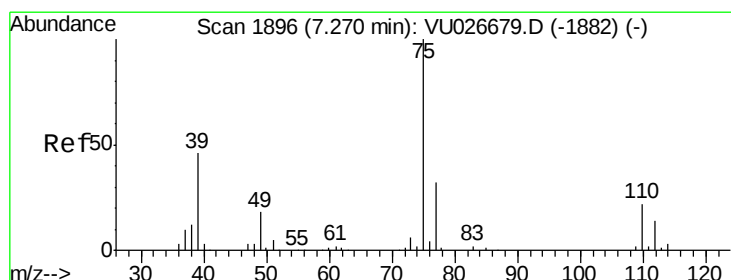
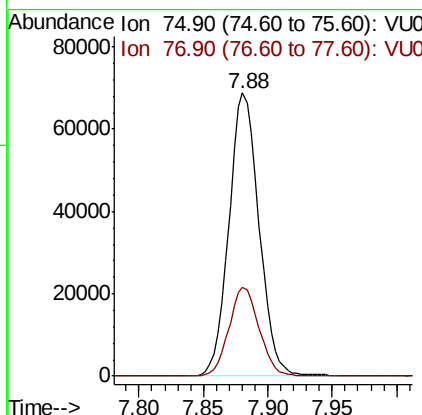
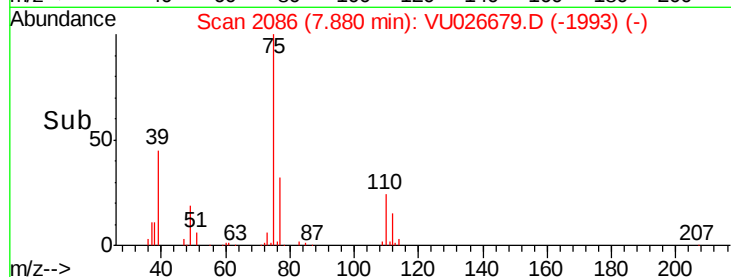
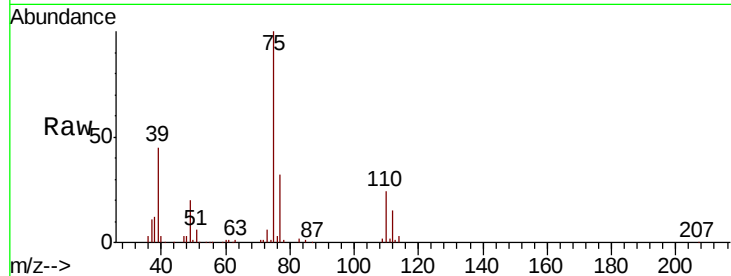
#53
 t-1,3-Dichloropropene
 Concen: 52.42 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 111430
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8

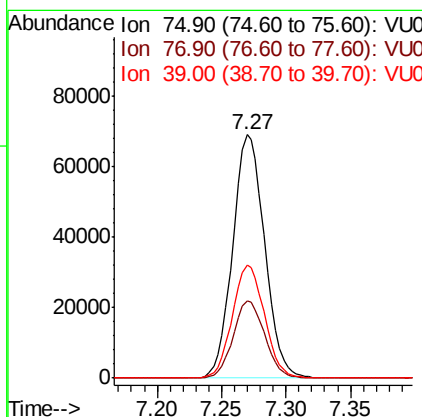
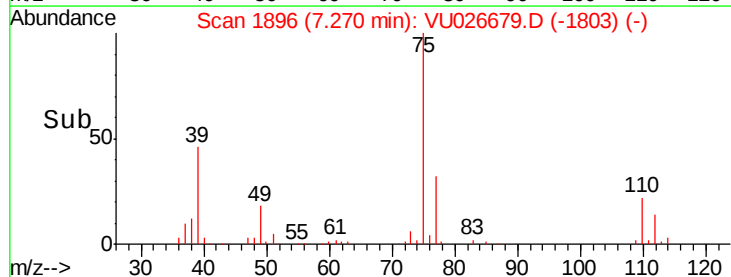
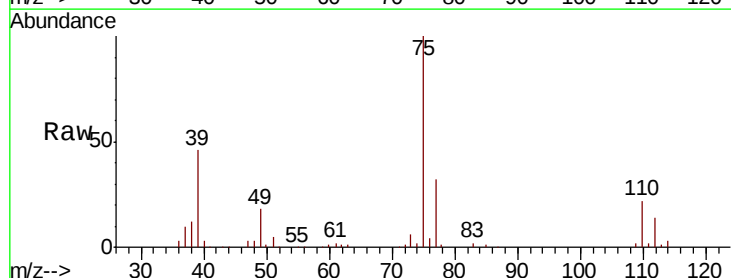
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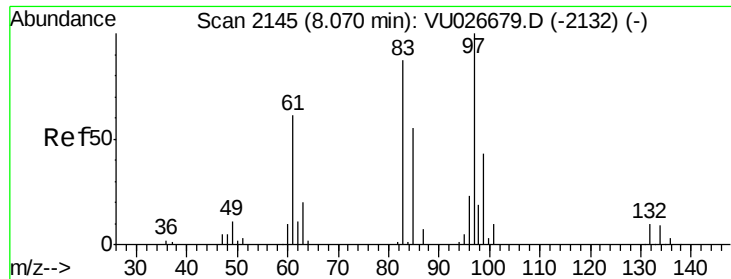
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#54
 cis-1,3-Dichloropropene
 Concen: 52.19 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 75 Resp: 119140
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.5 38.3
 39 46.3 37.0 55.6





#55

1,1,2-Trichloroethane

Concen: 51.14 ug/l

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

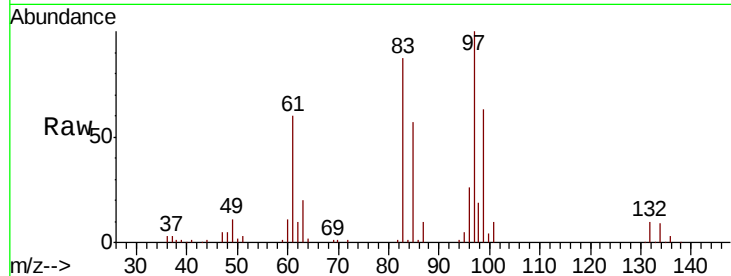
ClientSampleId :

VSTDICCC050

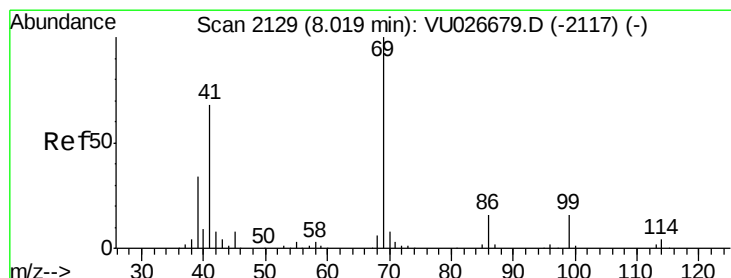
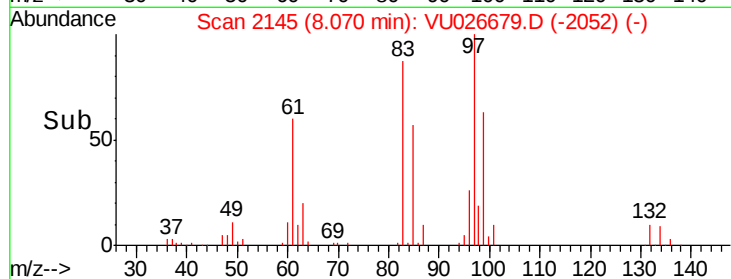
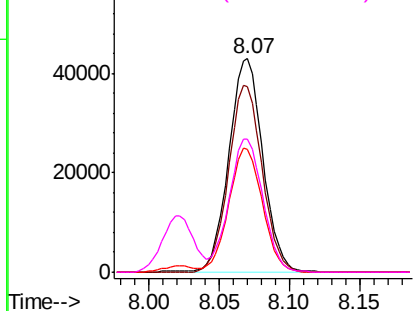
Tot Ion:	97	Resp:	72415
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.3	103.9
85	57.4	45.9	68.9
99	62.6	50.1	75.1

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Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 53.77 ug/l

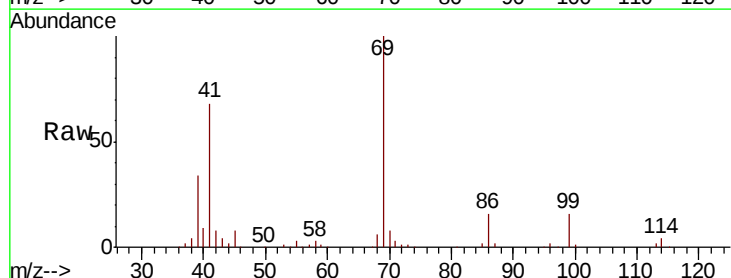
RT: 8.02 min Scan# 2129

Delta R.T. 0.00 min

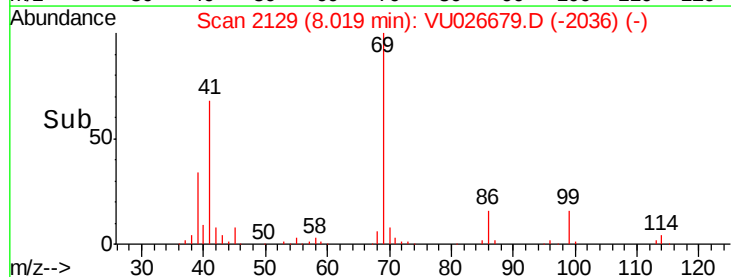
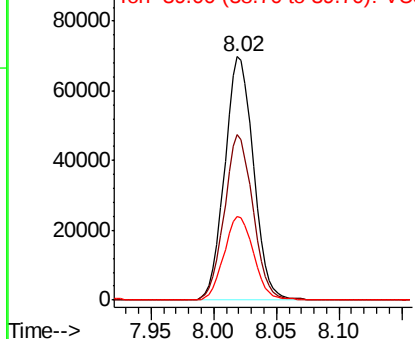
Lab File: VU026679.D

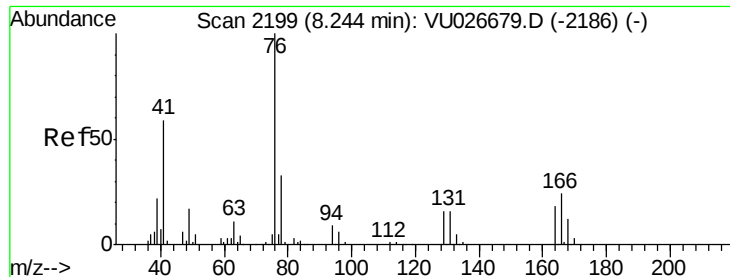
Acq: 11 Sep 2018 11:43

Tgt Ion:	69	Resp:	111177
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.2	81.2
39	35.5	28.4	42.6



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 51.52 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 124340

Ion Ratio Lower Upper

76 100

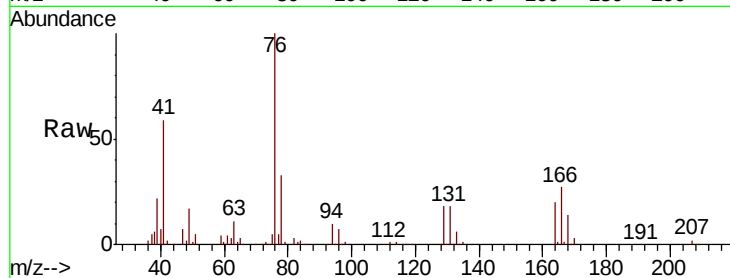
78 32.5 26.0 39.0

Manual Integrations

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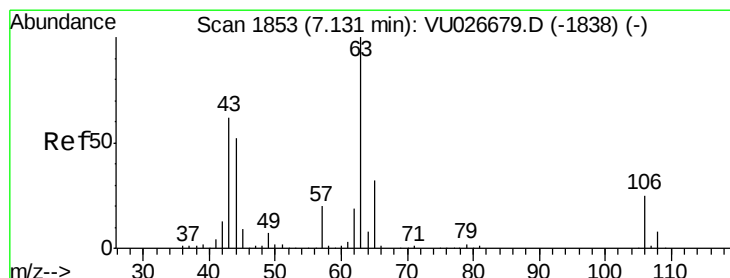
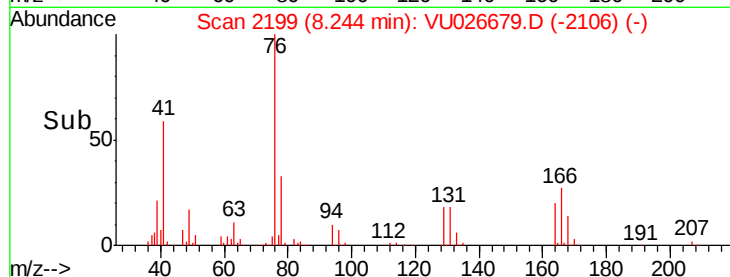
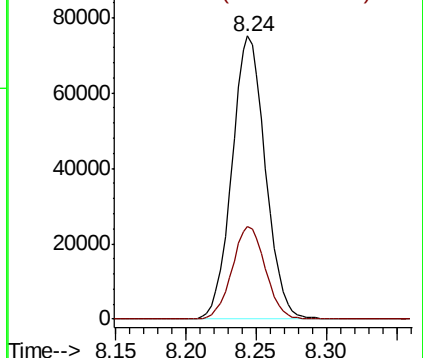
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 272.37 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU026679.D

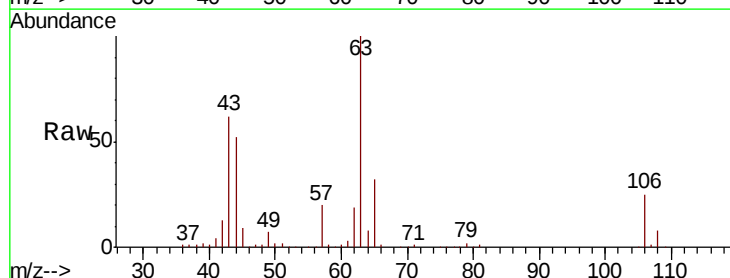
Acq: 11 Sep 2018 11:43

Tgt Ion: 63 Resp: 277605

Ion Ratio Lower Upper

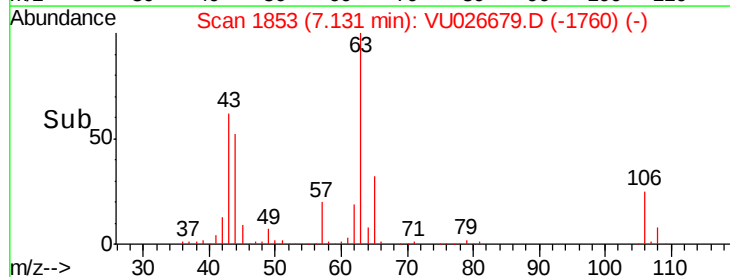
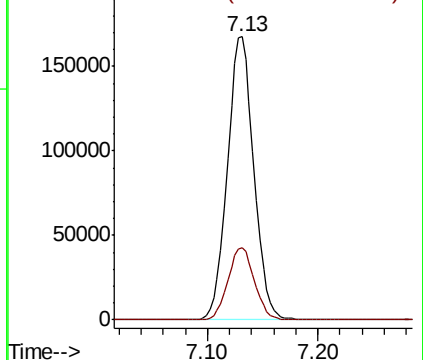
63 100

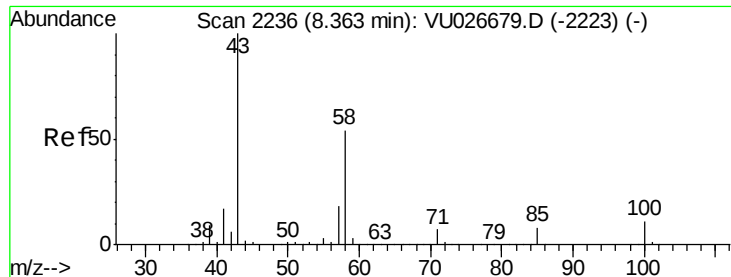
106 25.6 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





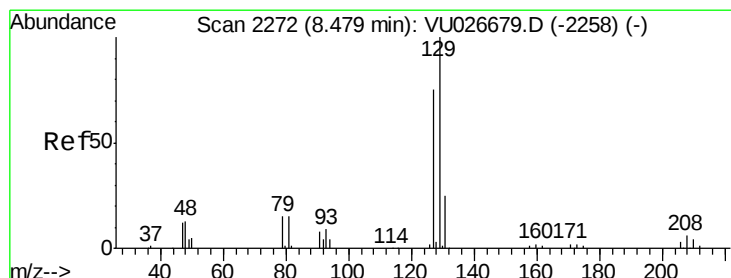
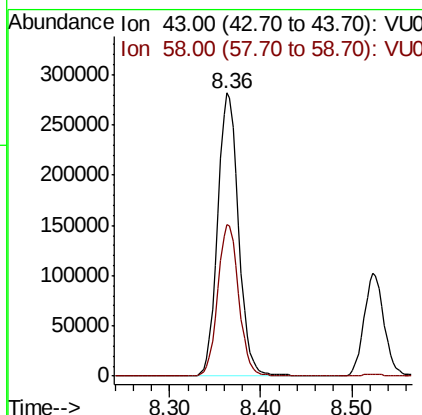
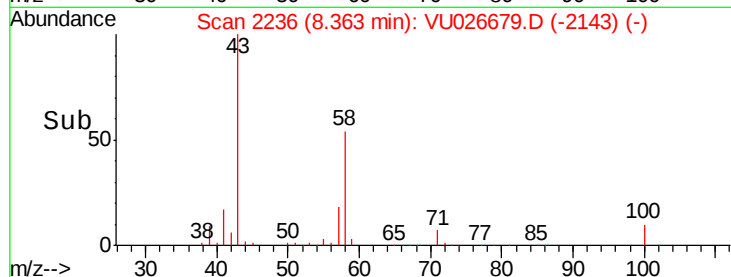
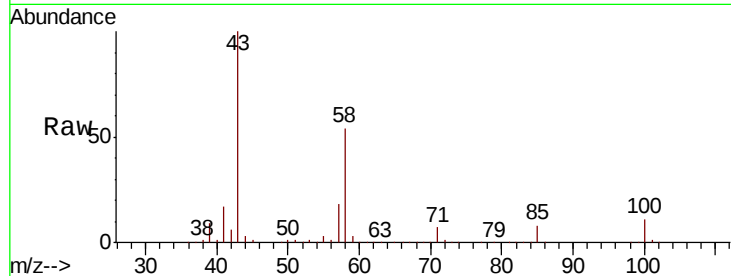
#59
2-Hexanone
Concen: 261.27 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 449906
Ion Ratio Lower Upper
43 100
58 53.8 26.9 80.7

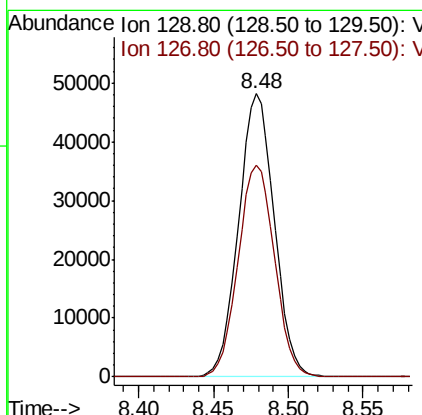
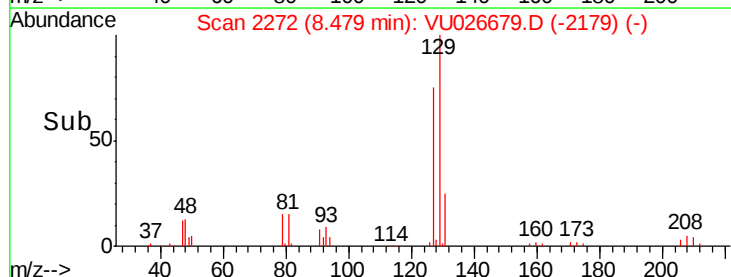
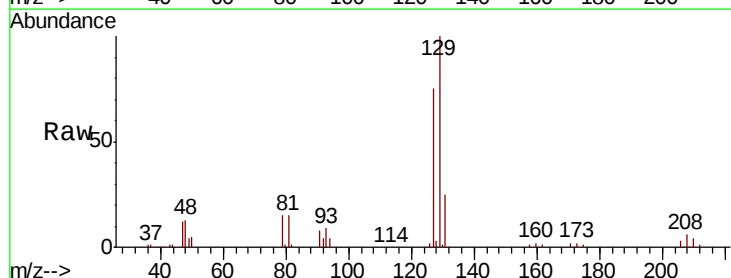
Manual Integrations
APPROVED

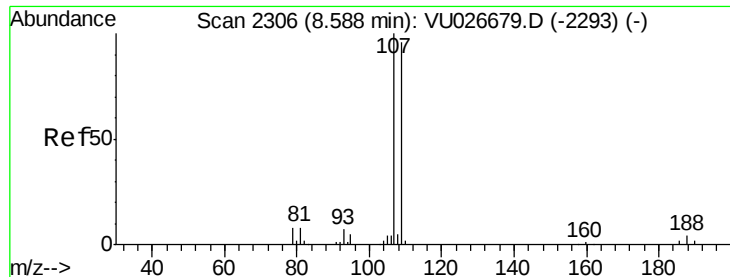
MMDadoda
9/13/2018 4:48:54 PM



#60
Dibromochloromethane
Concen: 52.14 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion: 129 Resp: 79961
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





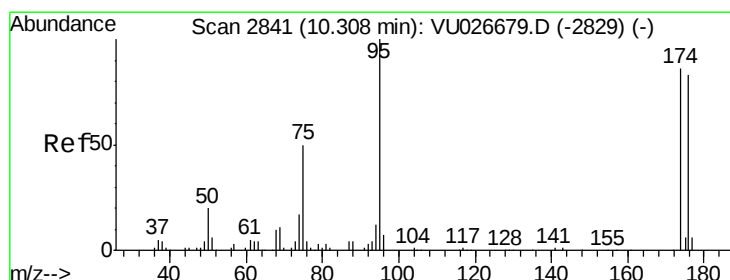
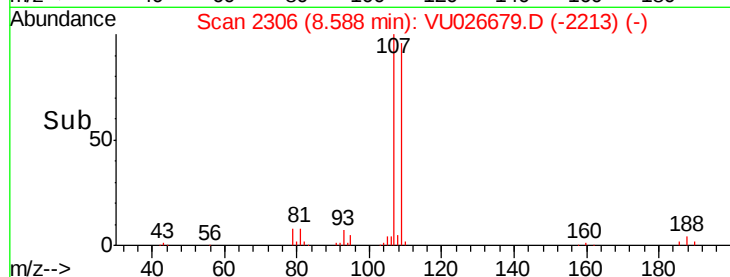
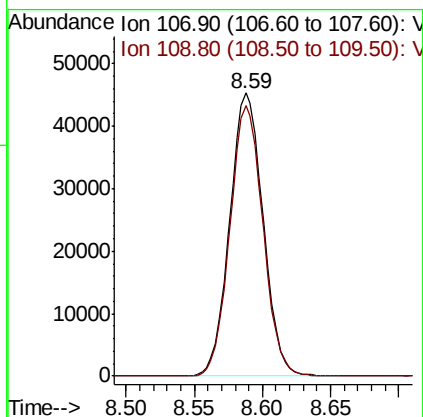
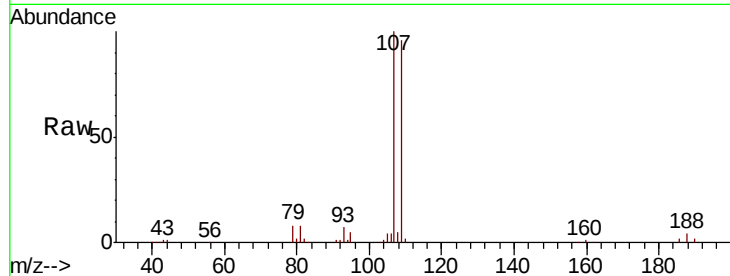
#61
 1,2-Dibromoethane
 Concen: 50.13 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion:107 Resp: 77020
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5

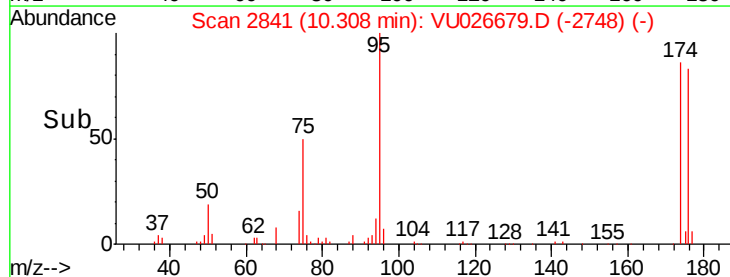
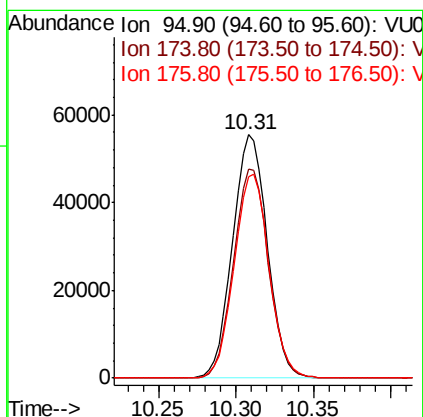
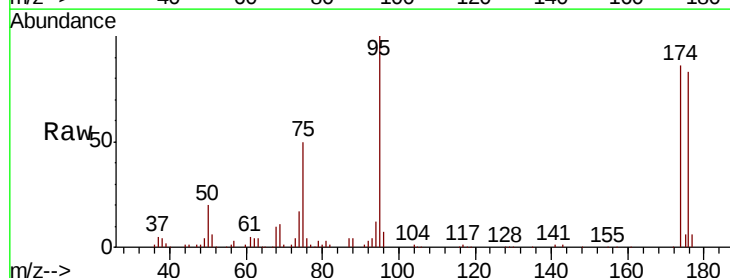
Manual Integrations
 APPROVED

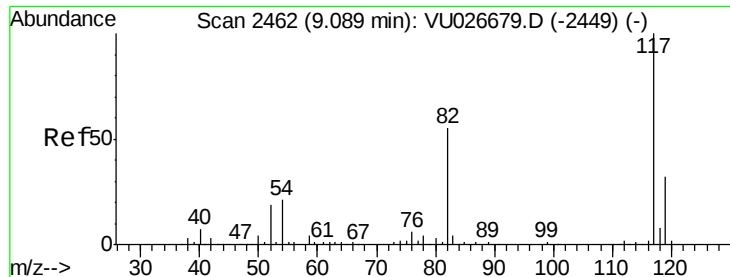
MMDadoda
 9/13/2018 4:48:54 PM



#62
 4-Bromofluorobenzene
 Concen: 49.69 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion: 95 Resp: 86449
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 172.8
 176 84.3 0.0 168.6





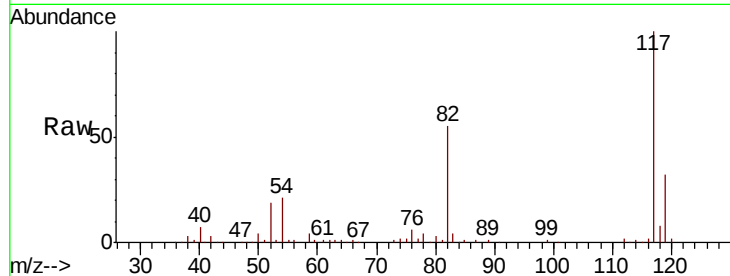
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	152395		
82	55.1		44.1	66.1
119	32.1		25.7	38.5

Manual Integrations
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MMDadoda
9/13/2018 4:48:54 PM

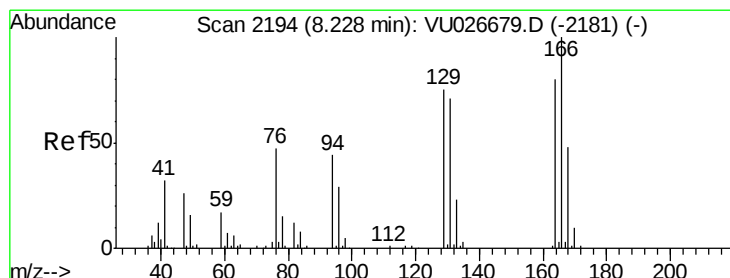
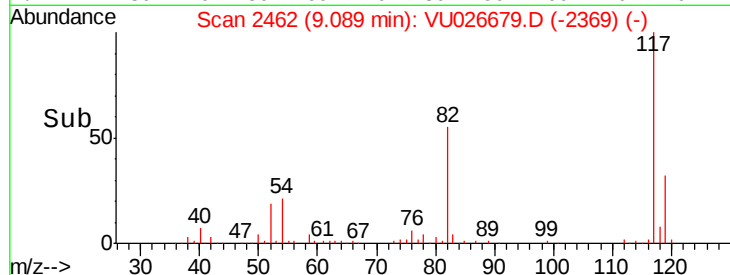
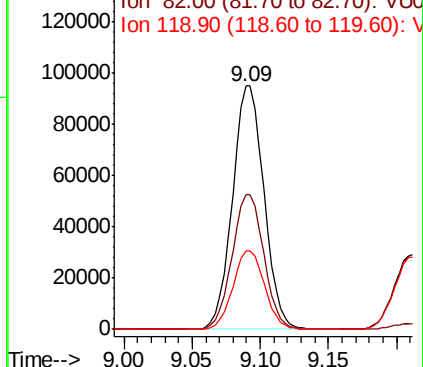


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.54 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61299		
166	125.6		100.5	150.7
129	94.1		75.3	112.9
131	89.3		71.4	107.2

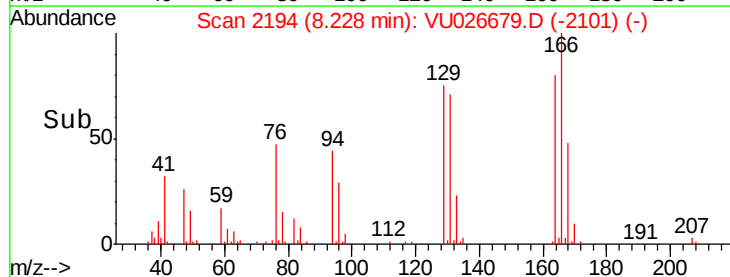
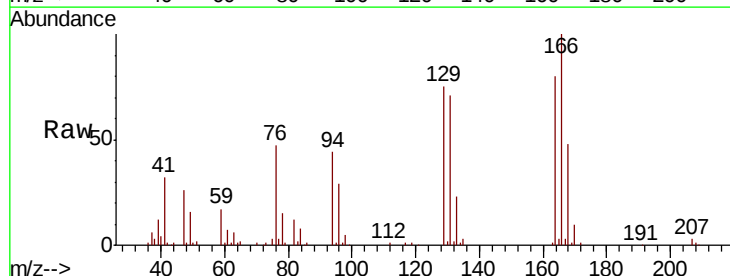
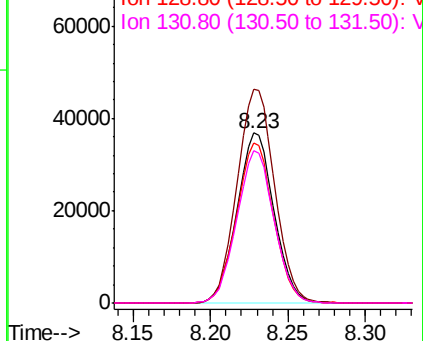
Abundance

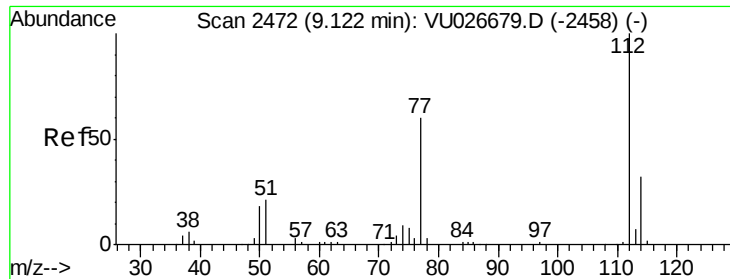
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





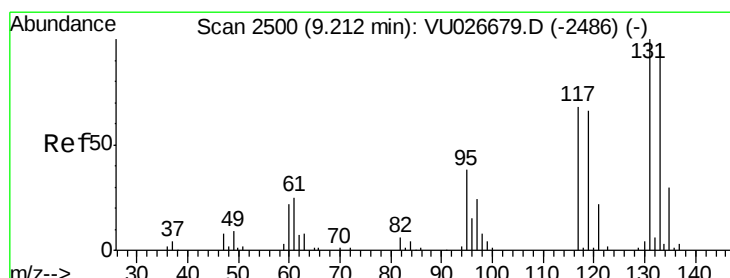
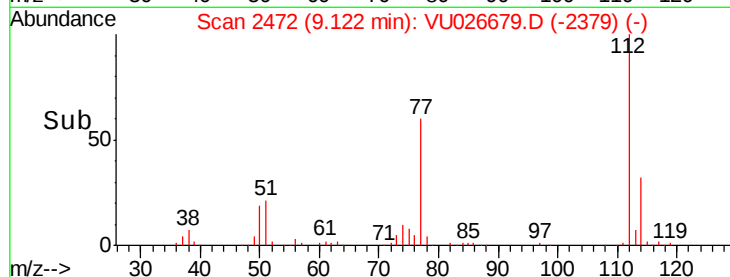
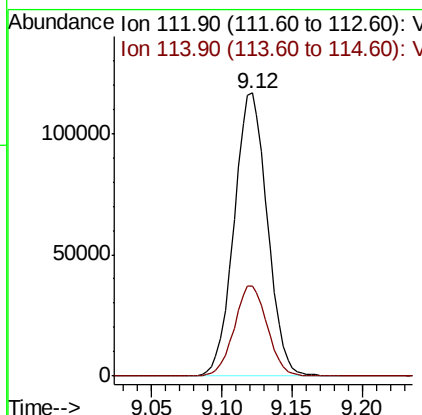
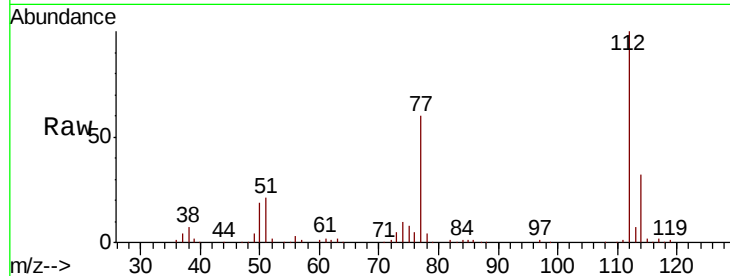
#65
Chlorobenzene
Concen: 50.83 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	192465		
114	31.9	25.5	38.3	

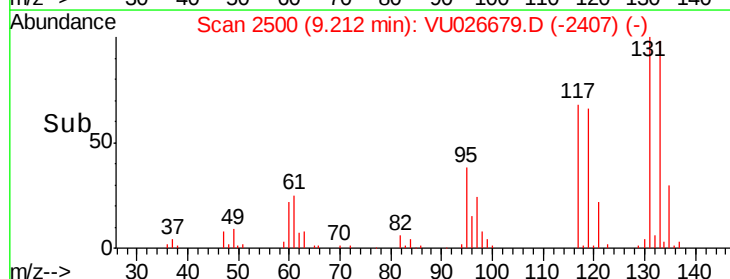
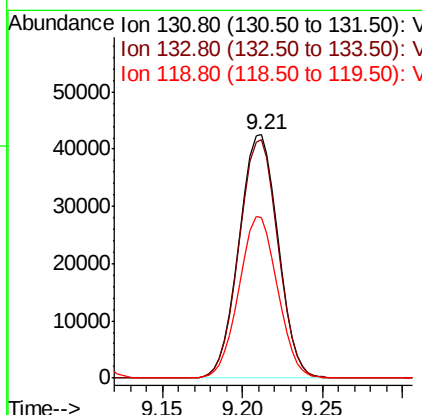
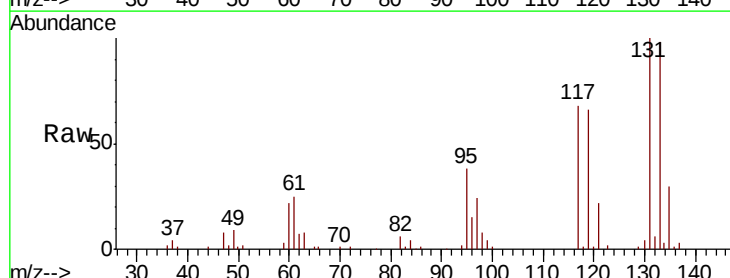
Manual Integrations
APPROVED

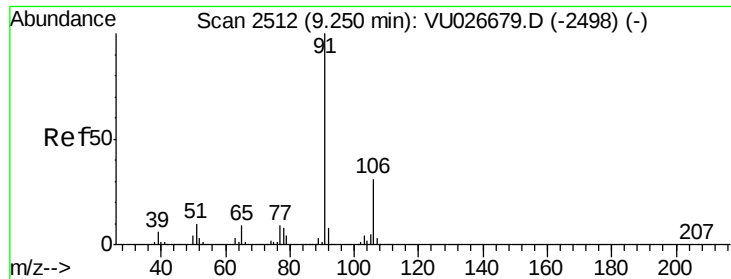
MMDadoda
9/13/2018 4:48:54 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.76 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	70717		
133	97.7	48.9	146.6	
119	65.4	32.7	98.1	





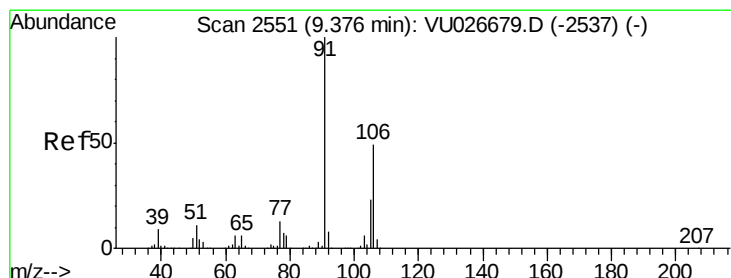
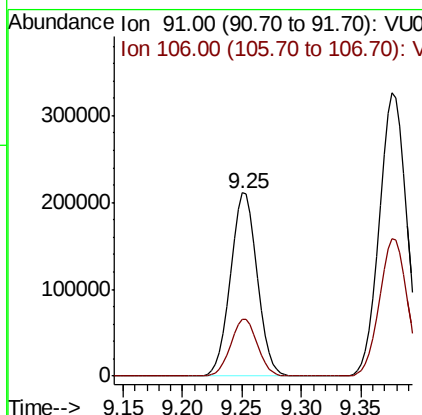
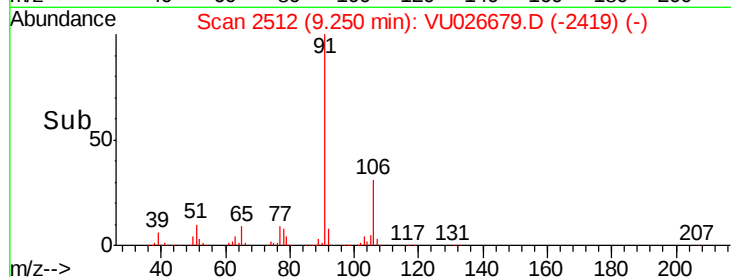
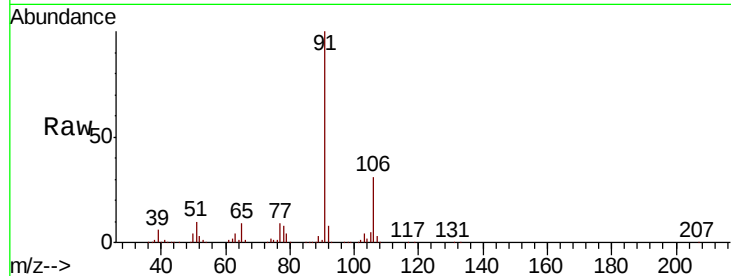
#67
Ethyl Benzene
Concen: 52.78 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 329176
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

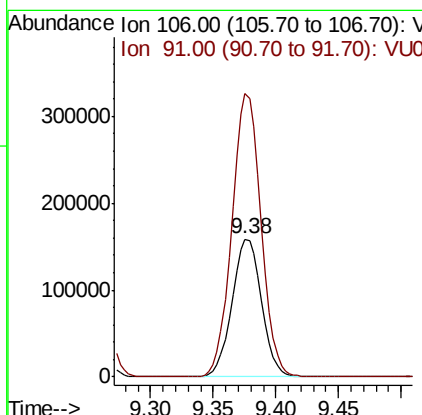
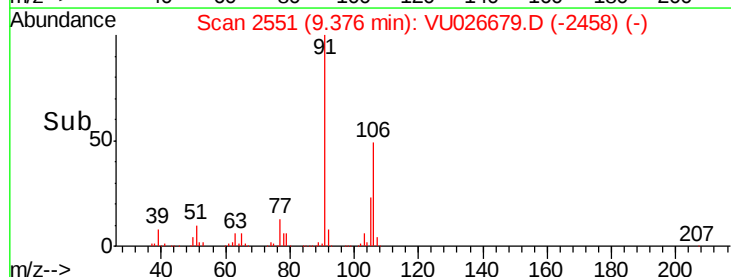
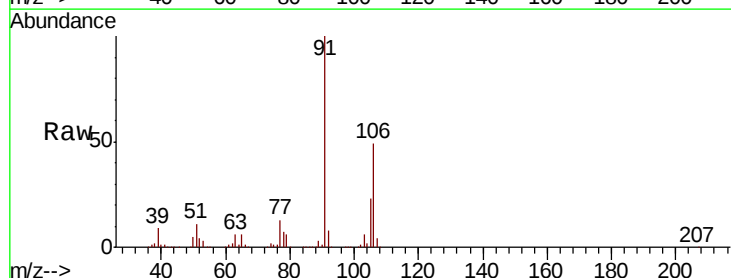
Manual Integrations
APPROVED

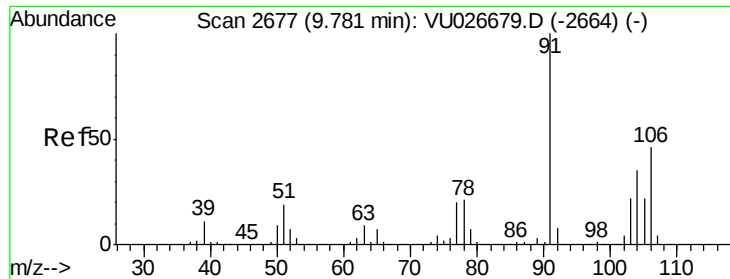
MMDadoda
9/13/2018 4:48:54 PM



#68
m/p-Xylenes
Concen: 108.96 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion: 106 Resp: 258523
Ion Ratio Lower Upper
106 100
91 202.6 162.1 243.1





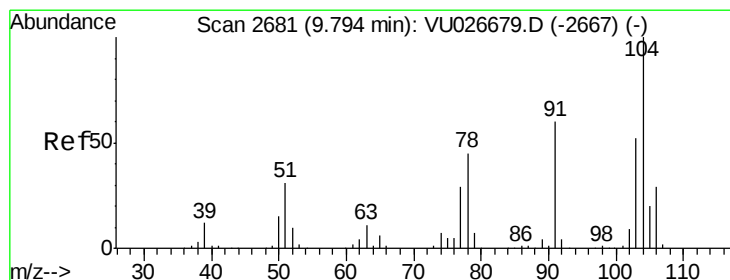
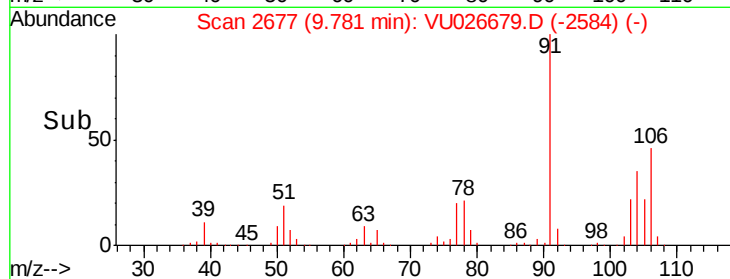
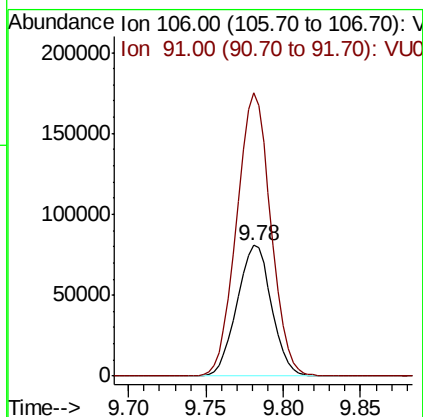
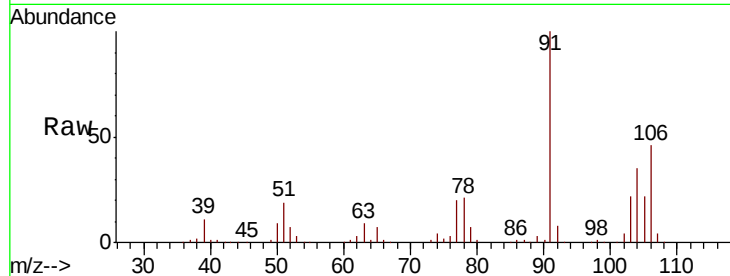
#69
o-Xylene
Concen: 54.30 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		125502		
91	213.9	106.9	320.8		

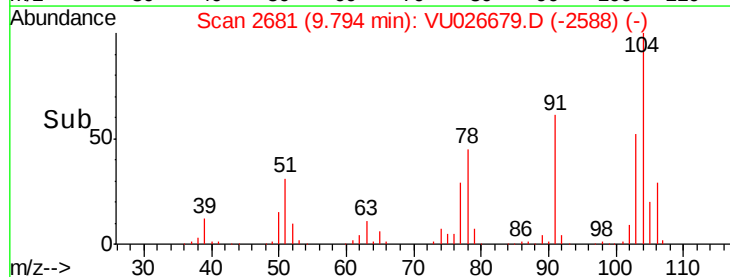
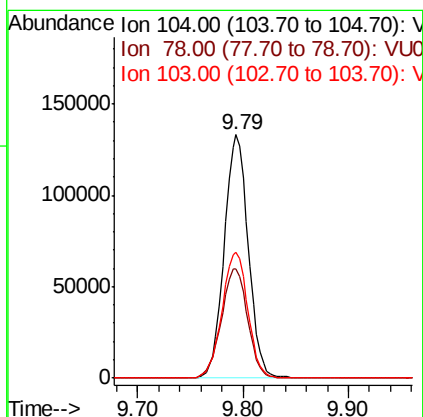
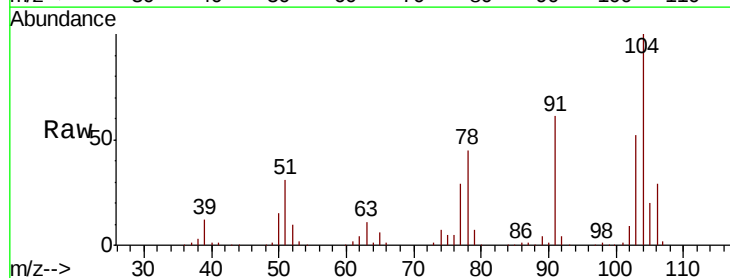
Manual Integrations
APPROVED

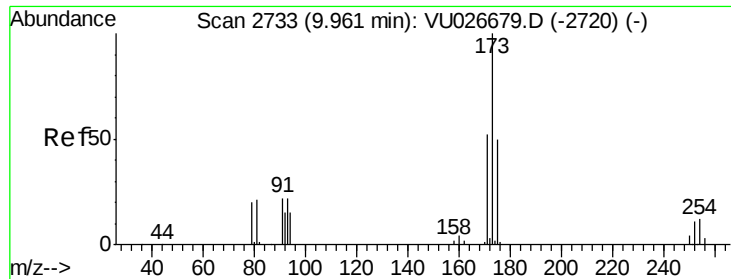
MMDadoda
9/13/2018 4:48:54 PM



#70
Styrene
Concen: 55.28 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		209161		
78	49.3	39.4	59.2		
103	55.6	44.5	66.7		





#71

Bromoform

Concen: 51.91 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 62897

Ion Ratio Lower Upper

173 100

175 49.4 24.7 74.1

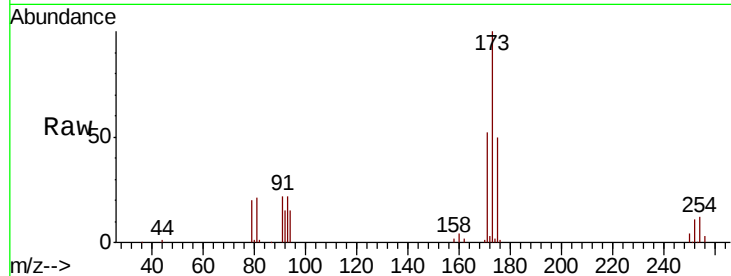
254 0.0 0.0 0.0

Manual Integrations

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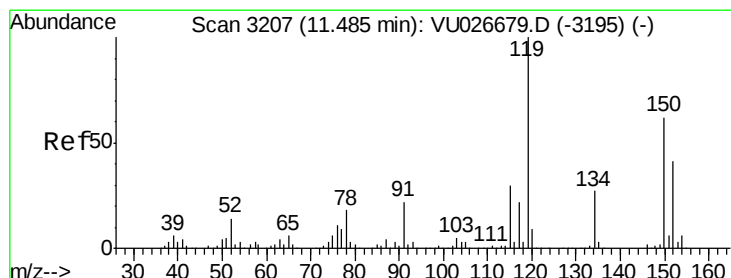
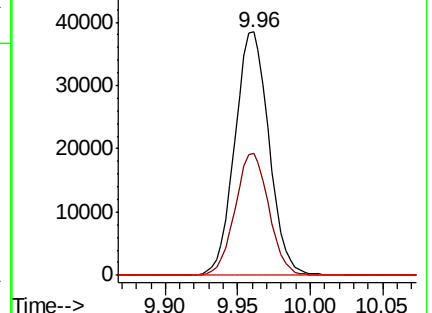
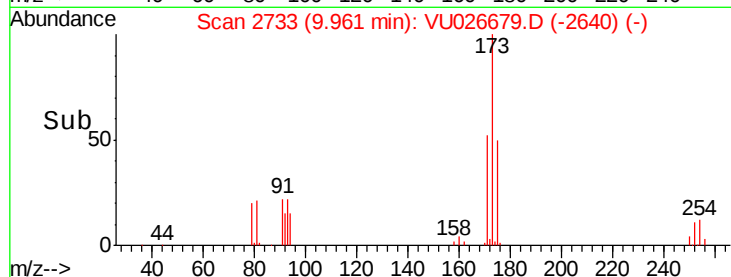
9/13/2018 4:48:54 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

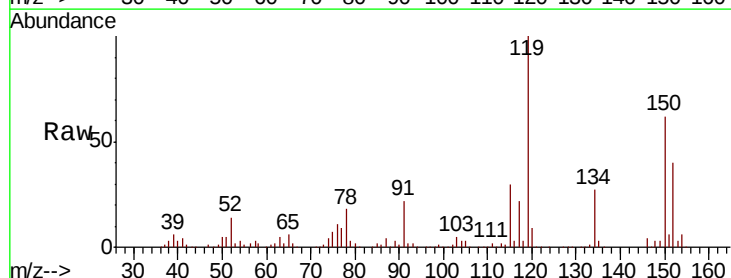
Tgt Ion:152 Resp: 94049

Ion Ratio Lower Upper

152 100

115 80.7 40.4 121.1

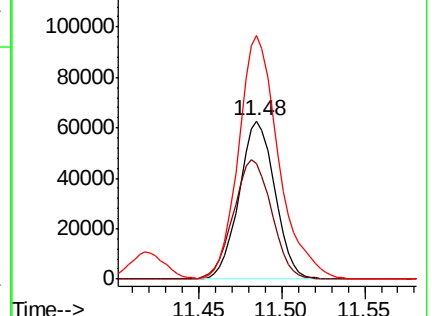
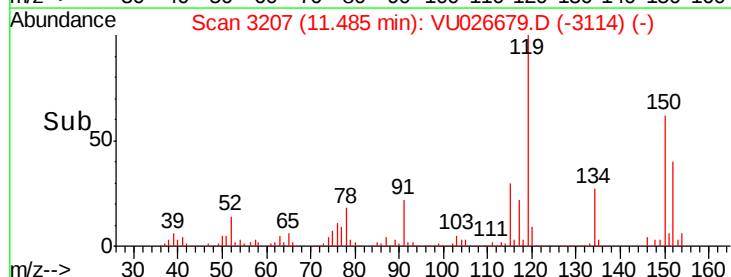
150 172.6 0.0 345.2

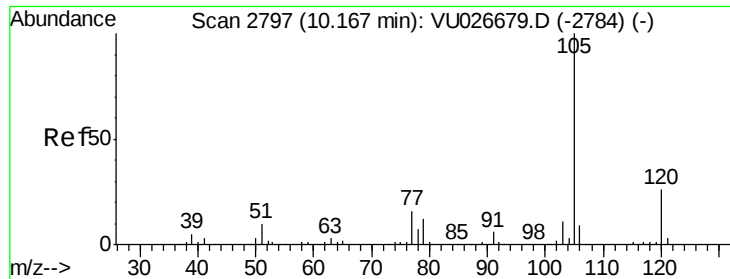


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.14 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 334170

Ion Ratio Lower Upper

105 100

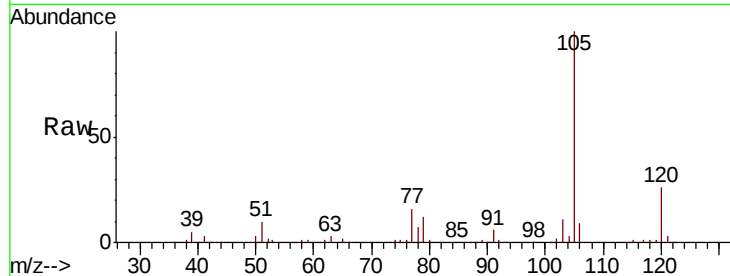
120 26.6 13.3 39.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

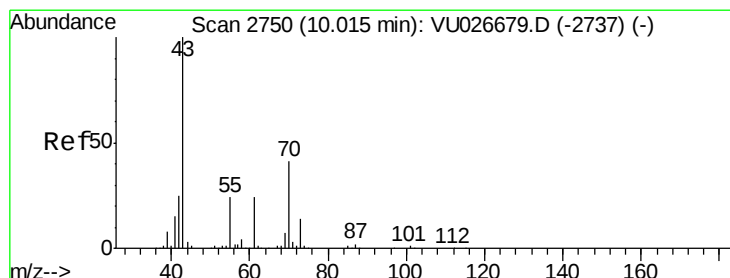
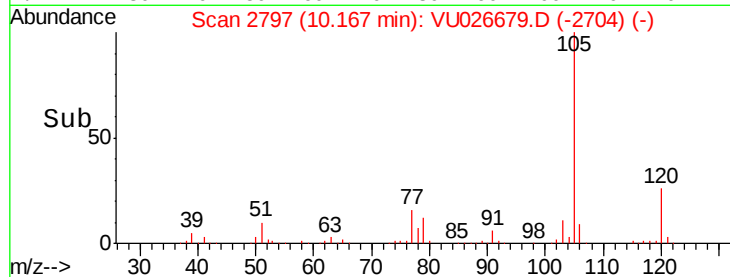
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 52.55 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Tgt Ion: 43 Resp: 159010

Ion Ratio Lower Upper

43 100

70 40.7 32.6 48.8

55 23.9 19.1 28.7

61 24.2 19.4 29.0

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

150000

100000

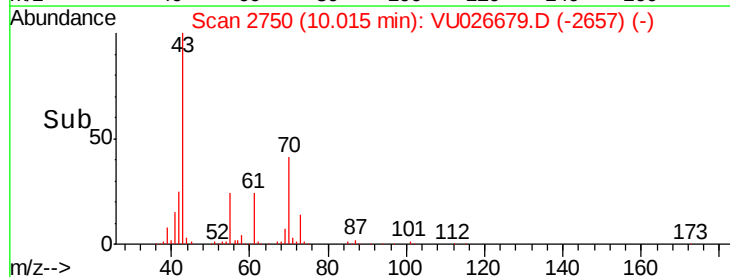
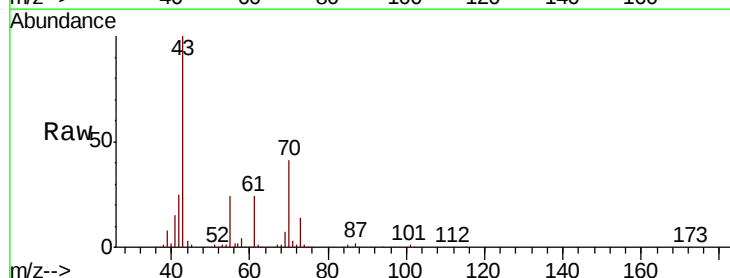
50000

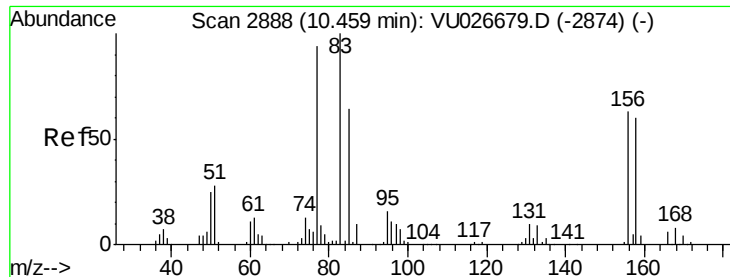
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.44 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

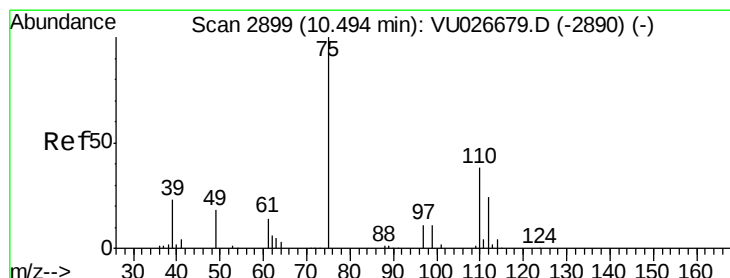
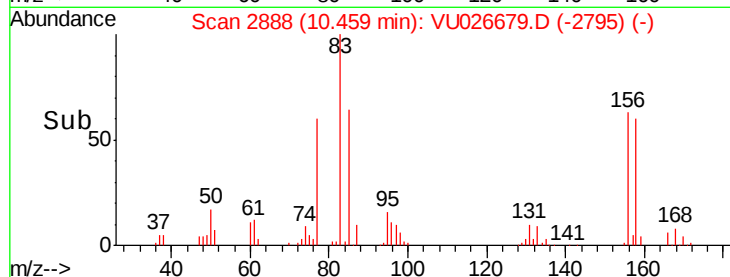
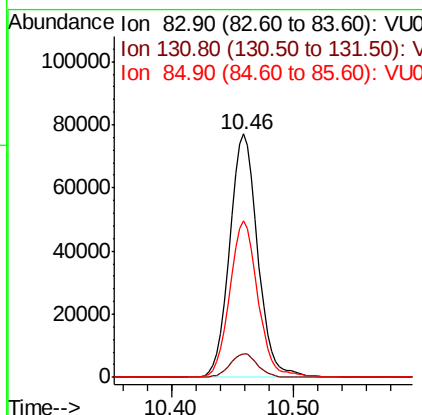
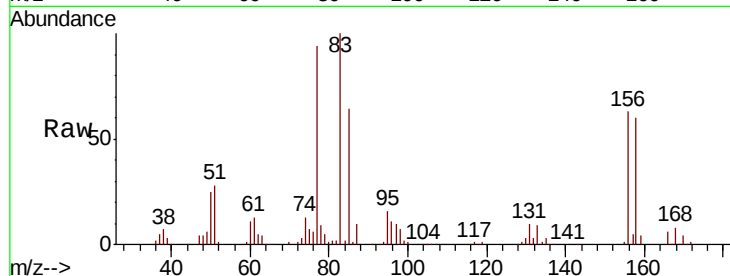
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	123907
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.22 ug/l m

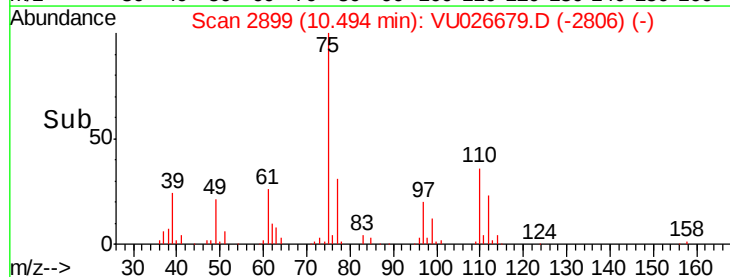
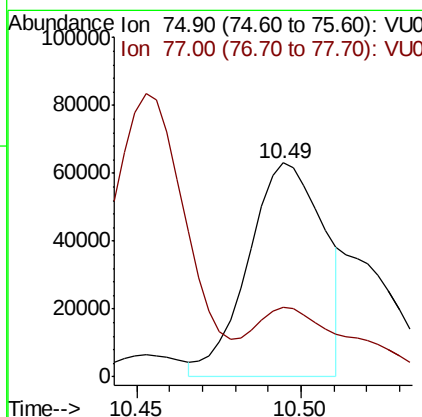
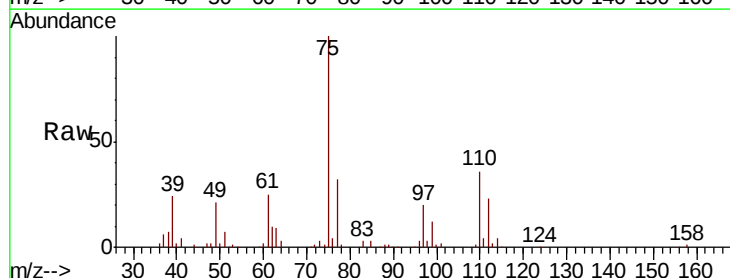
RT: 10.49 min Scan# 2899

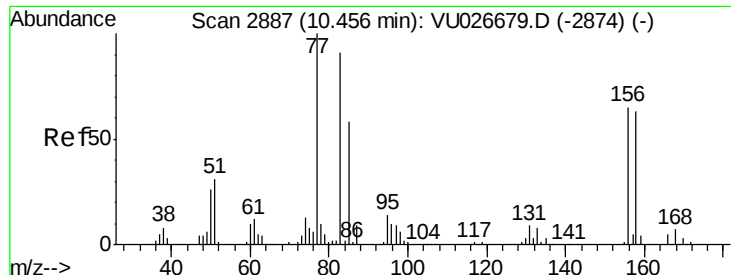
Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Tgt Ion:	75	Resp:	101003
Ion Ratio	Lower	Upper	
75	100		
77	42.1	21.1	63.1





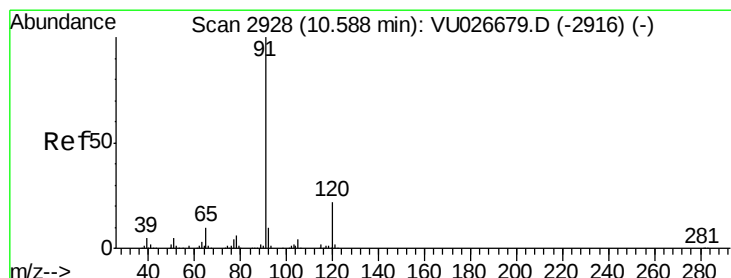
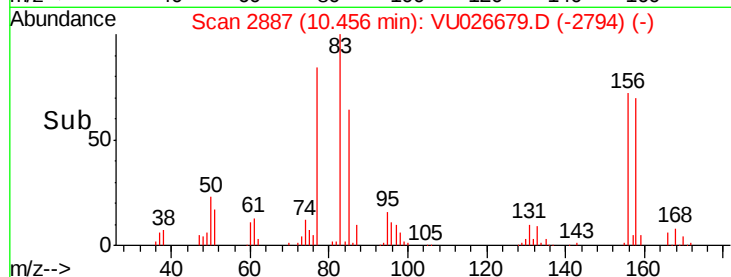
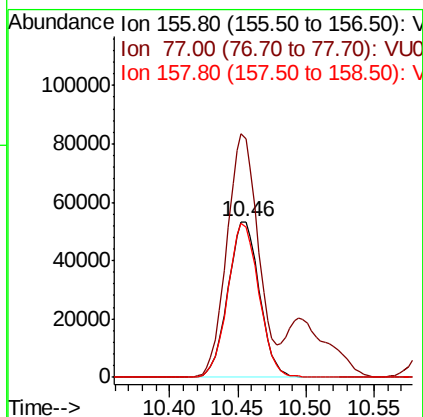
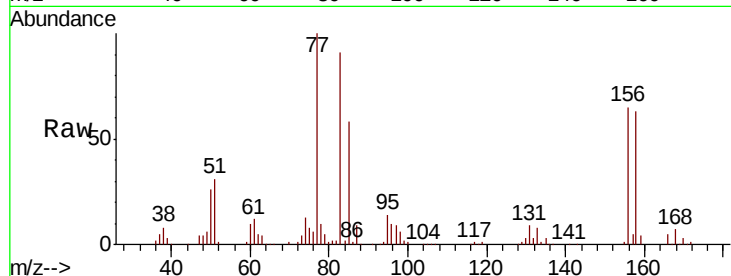
#77
Bromobenzene
Concen: 49.27 ug/l
RT: 10.46 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.3	77.6	232.9
158	97.7	48.9	146.6

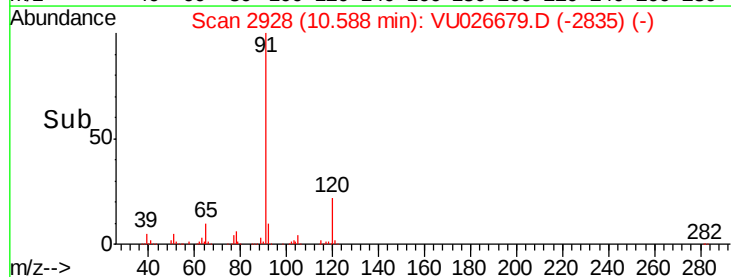
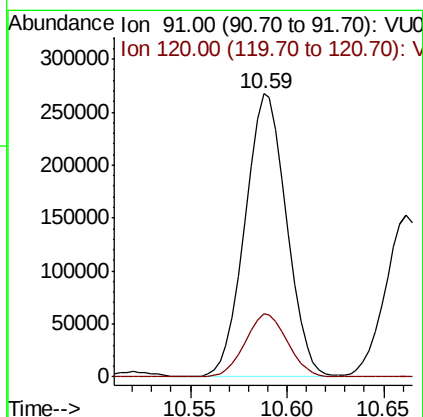
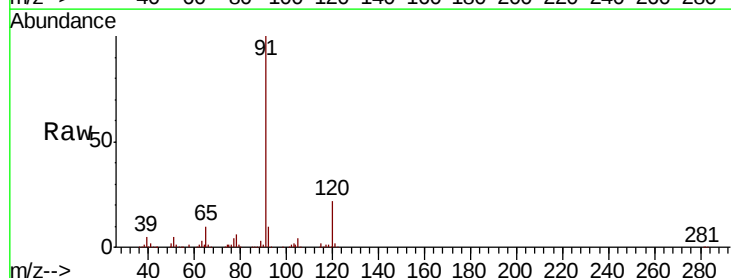
Manual Integrations
APPROVED

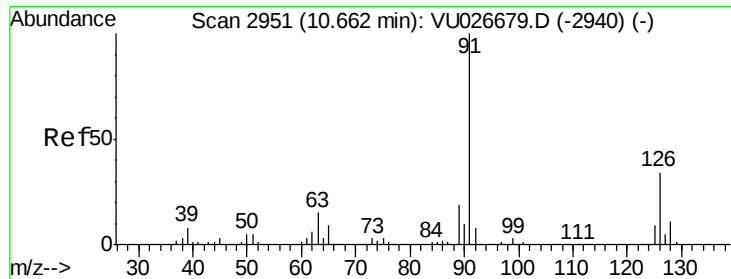
MMDadoda
9/13/2018 4:48:54 PM



#78
n-propylbenzene
Concen: 53.51 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 50.62 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 233917

Ion Ratio Lower Upper

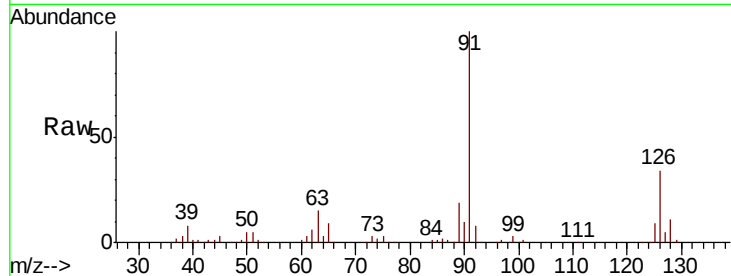
91 100

126 34.5 17.3 51.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VU026679.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026679.D (-2940) (-)

300000

250000

200000

150000

100000

50000

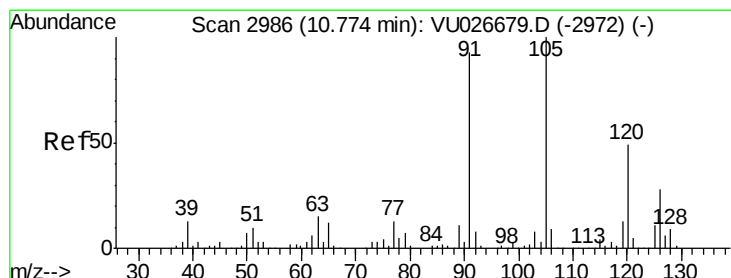
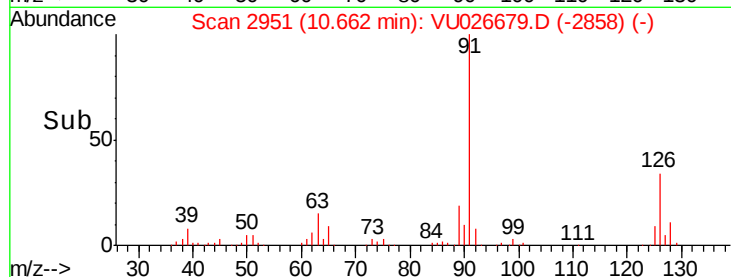
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.06 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026679.D

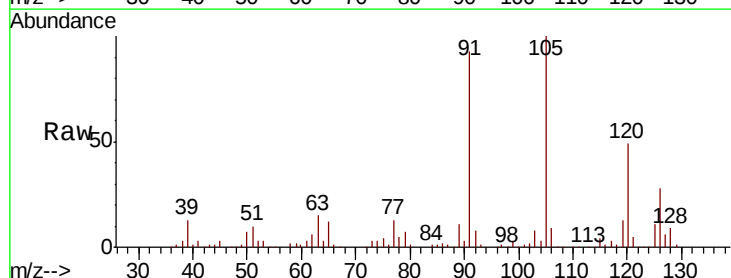
Acq: 11 Sep 2018 11:43

Tgt Ion:105 Resp: 285855

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VU026679.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026679.D (-2972) (-)

200000

150000

100000

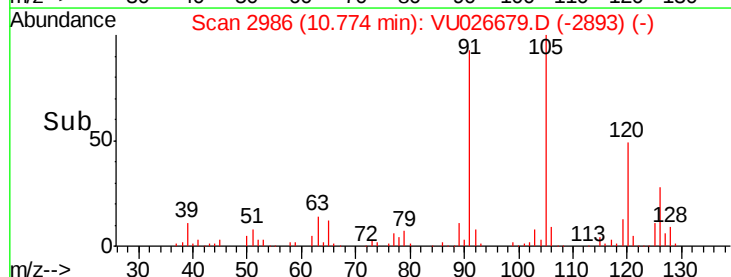
50000

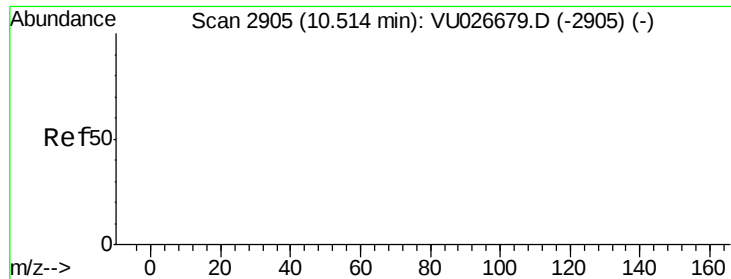
0

10.70

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 32.11 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026679.D

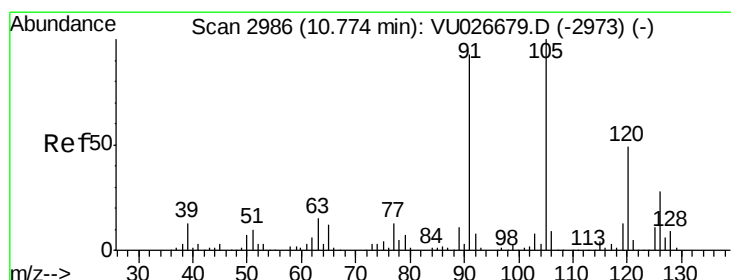
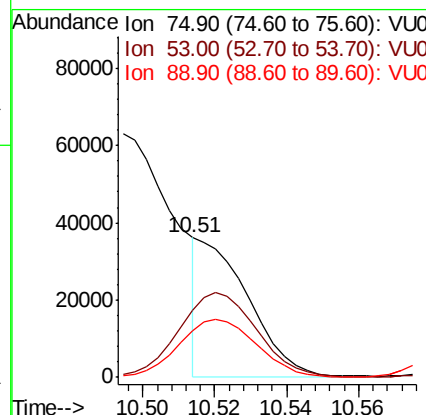
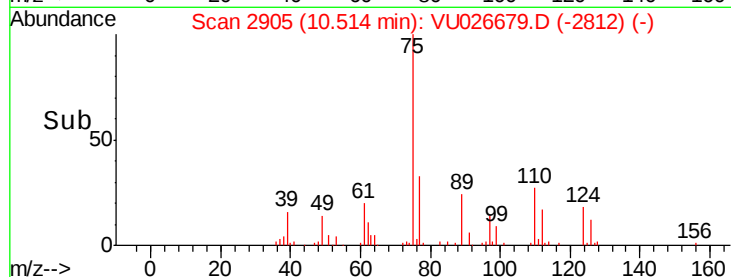
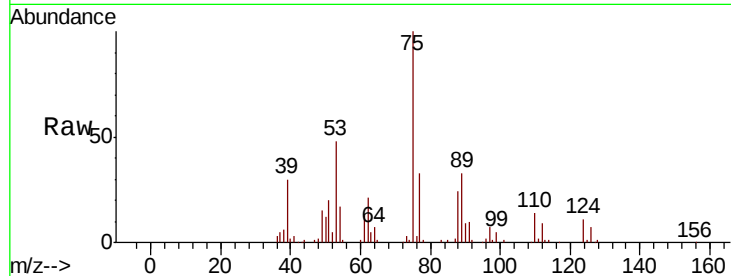
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot 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: 52.25 ug/l

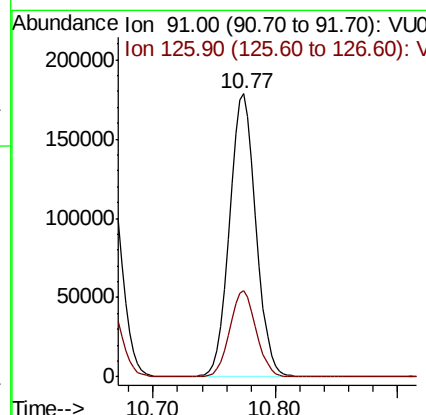
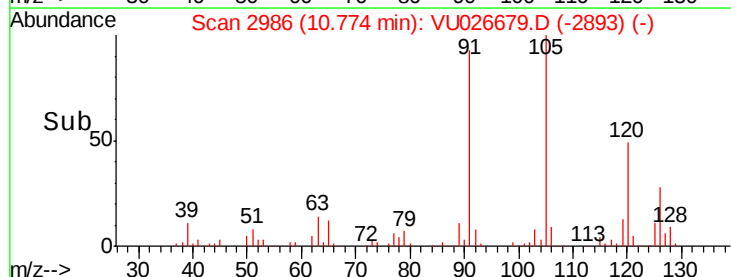
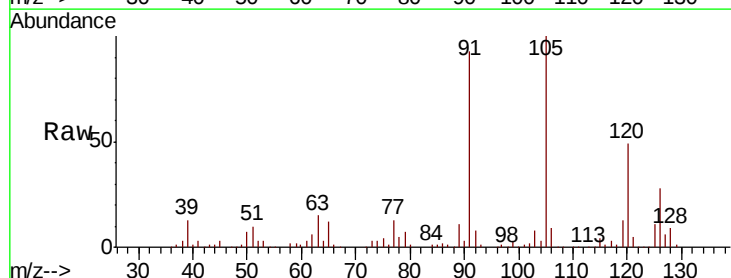
RT: 10.77 min Scan# 2986

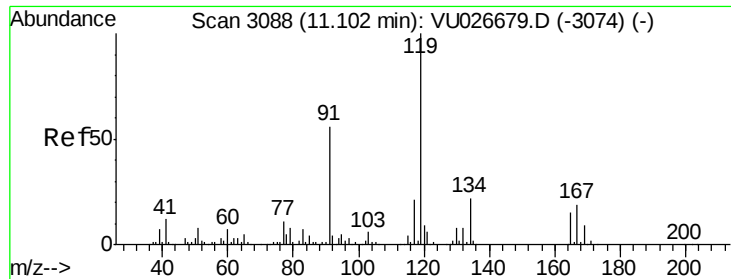
Delta R.T. 0.00 min

Lab File: VU026679.D

Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.2	45.5





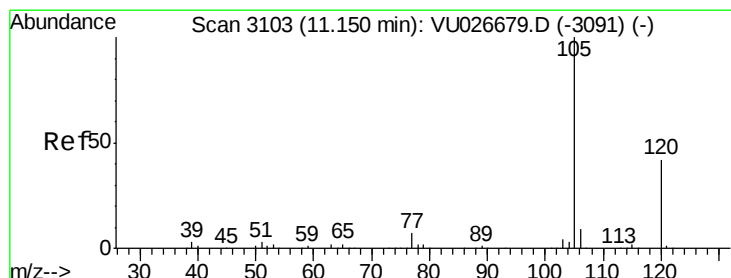
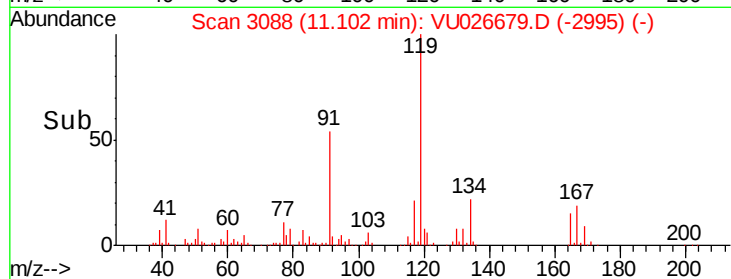
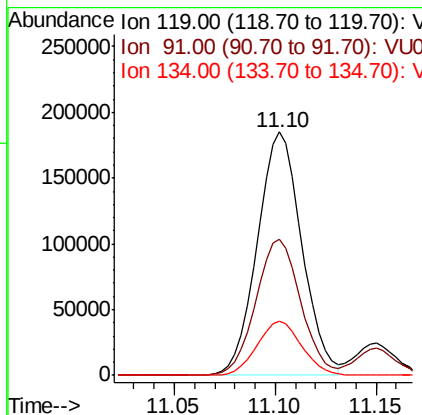
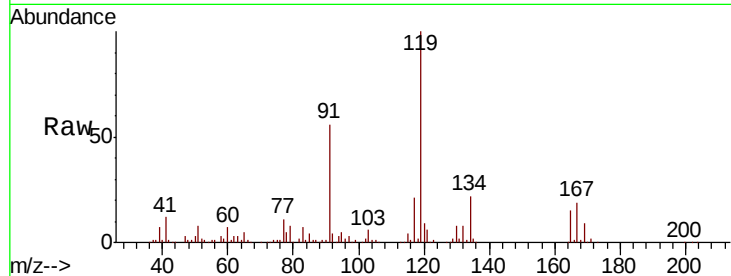
#83
tert-Butylbenzene
Concen: 51.95 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284021		
91	56.7	28.3	85.0	
134	22.3	11.2	33.5	

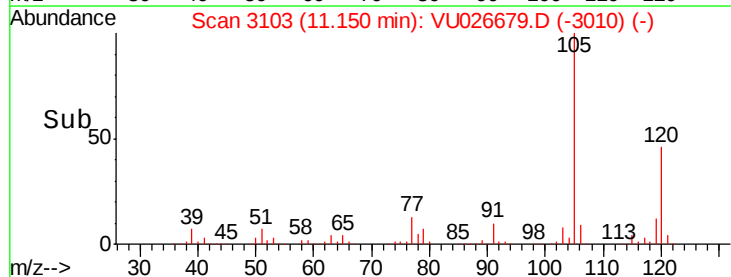
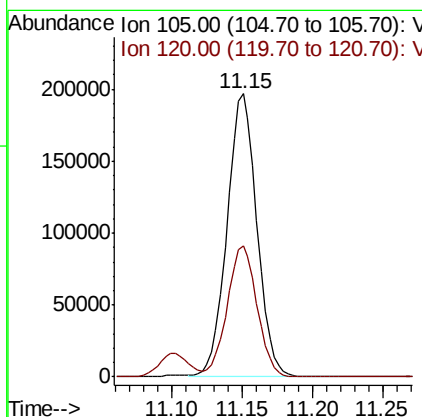
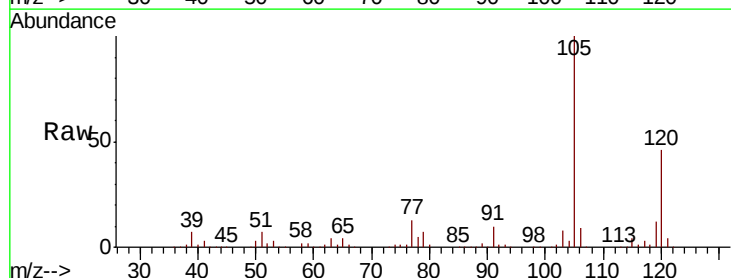
Manual Integrations
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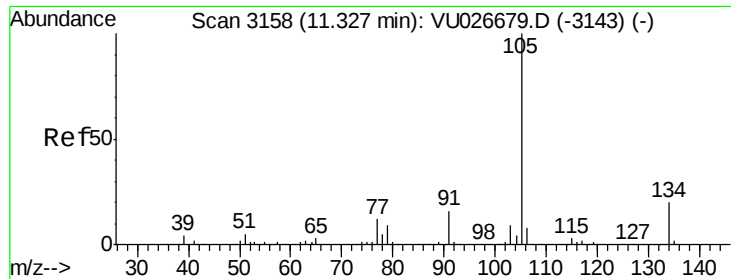
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.33 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	289751		
120	46.5	23.3	69.8	





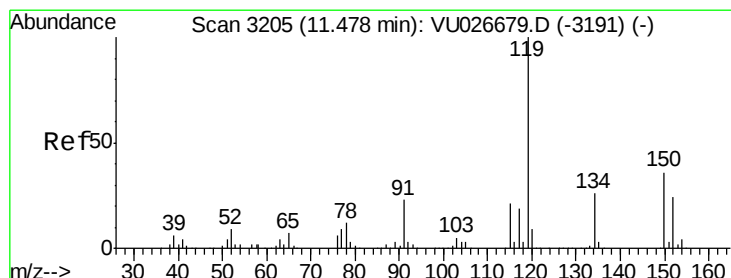
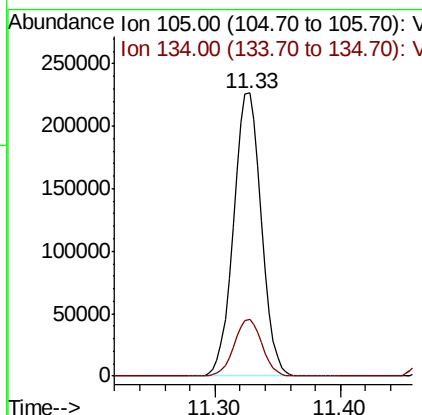
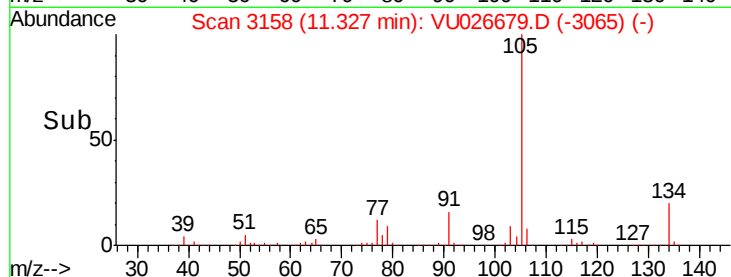
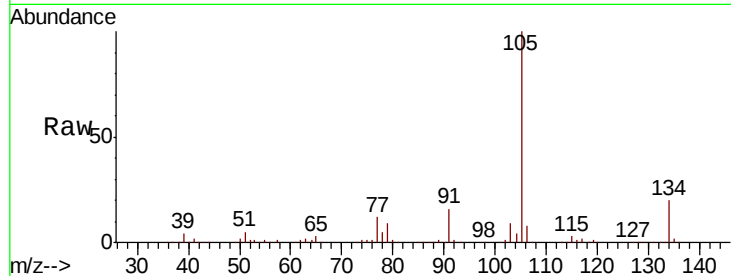
#85
 sec-Butylbenzene
 Concen: 53.41 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.1	30.1

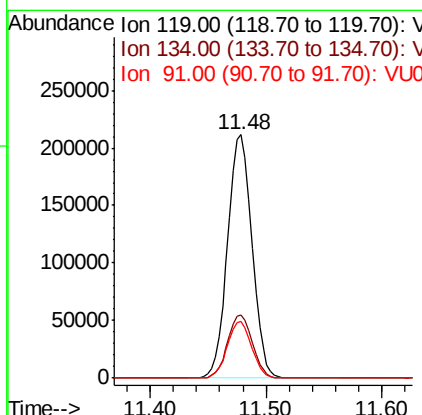
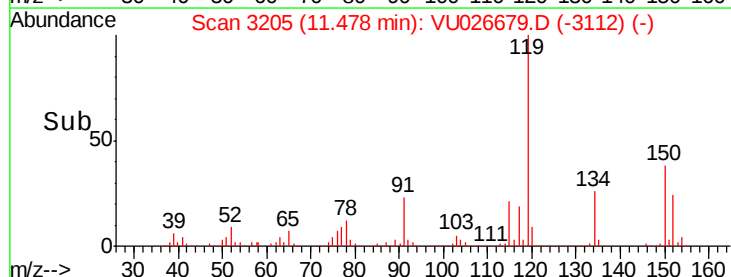
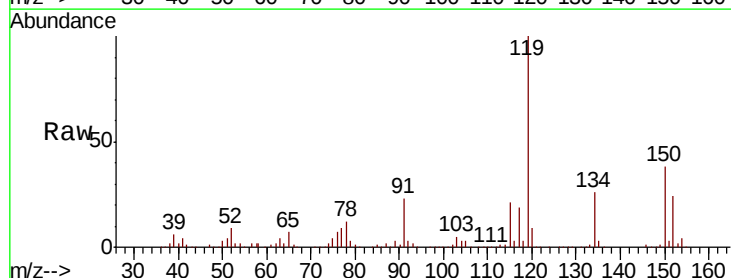
Manual Integrations
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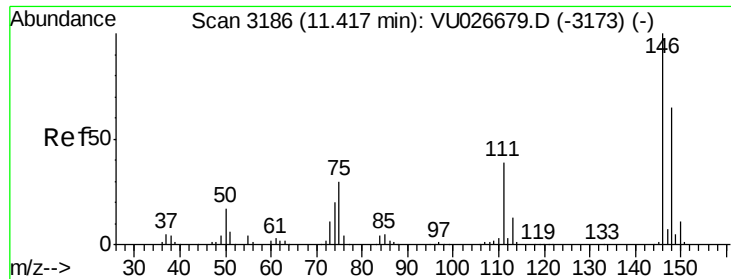
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#86
 p-Isopropyltoluene
 Concen: 54.34 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.2	11.6	34.8





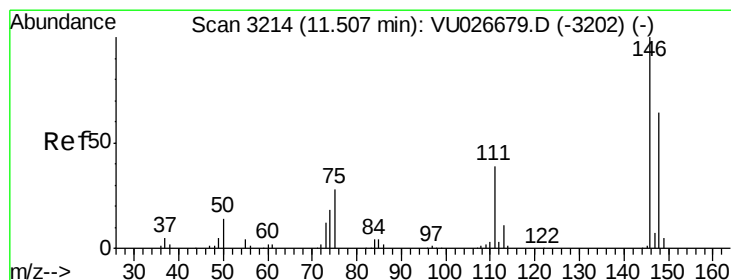
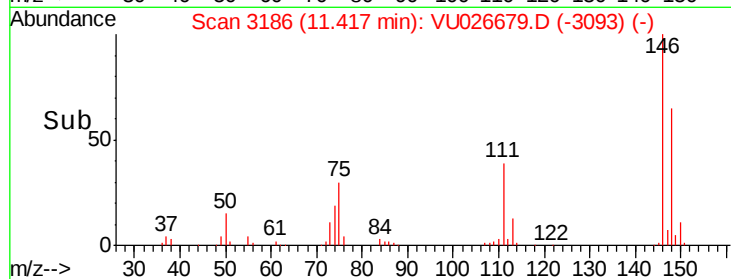
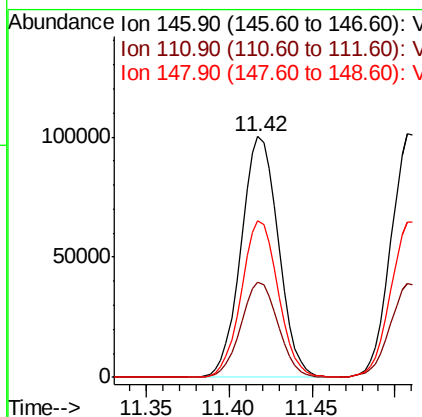
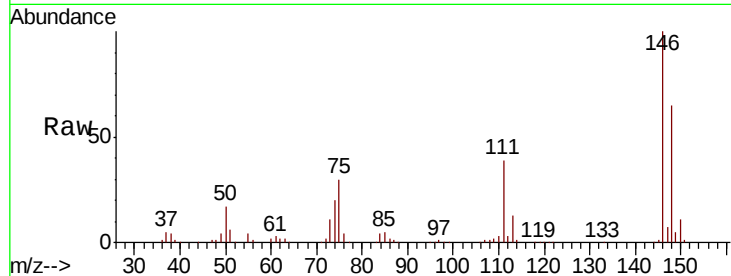
#87
 1,3-Dichlorobenzene
 Concen: 48.37 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.2	32.1	96.3

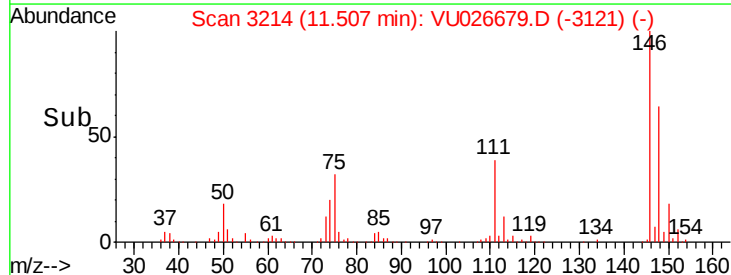
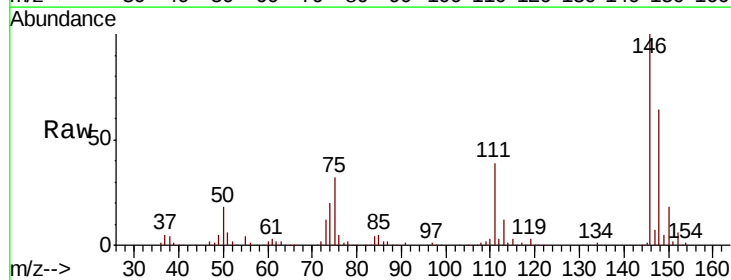
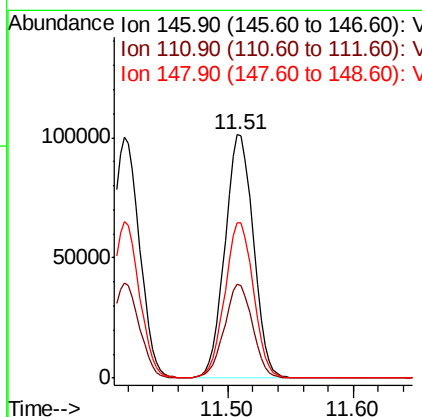
Manual Integrations
 APPROVED

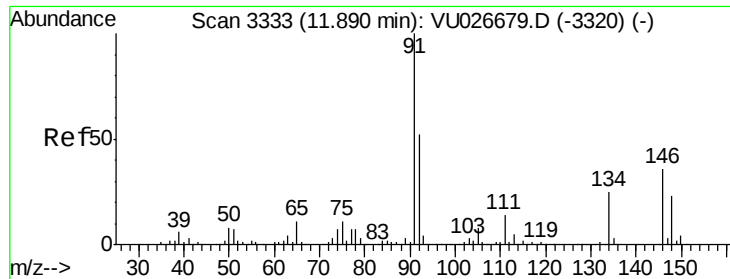
MMDadoda
 9/13/2018 4:48:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.35 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.2	32.1	96.3





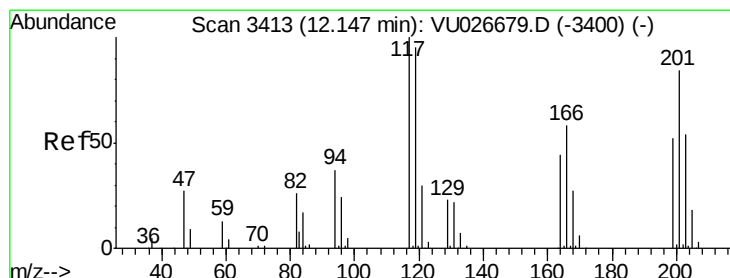
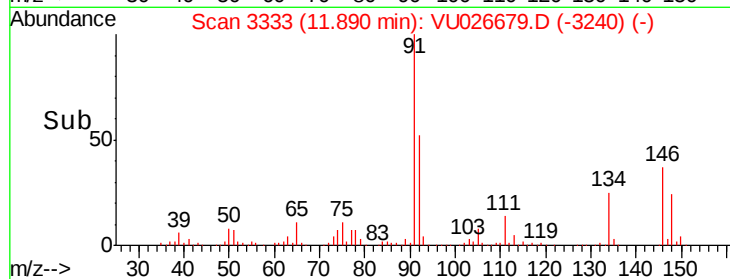
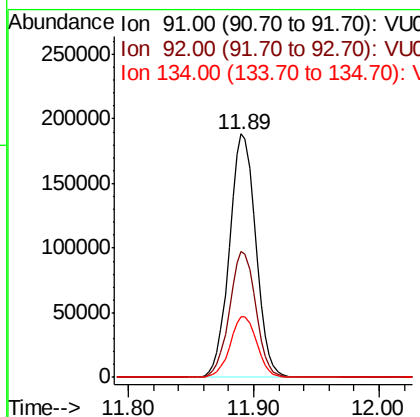
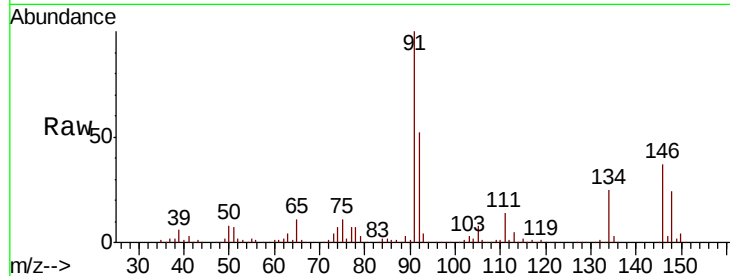
#89
n-Butylbenzene
Concen: 55.43 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	25.2	12.6	37.8

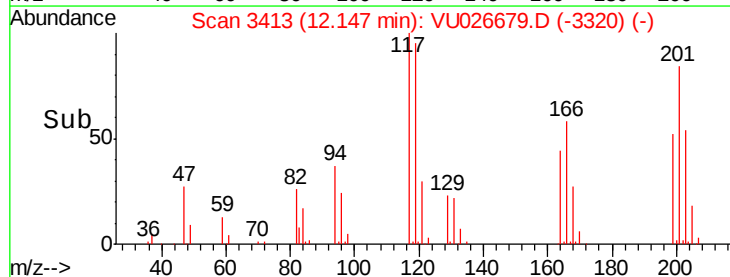
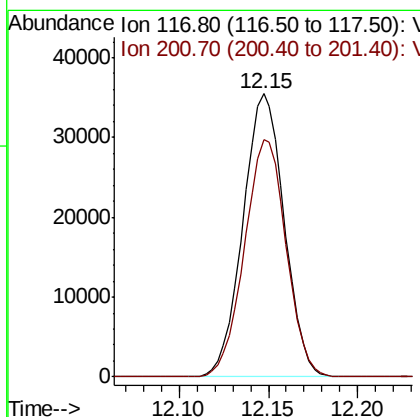
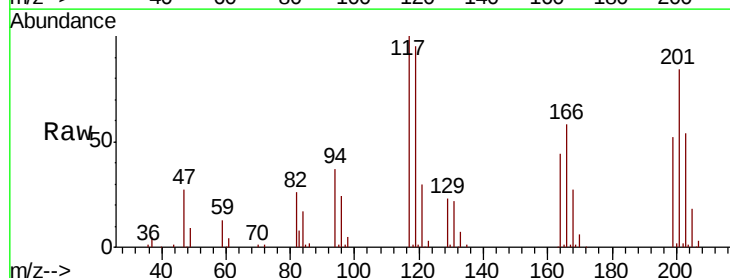
Manual Integrations
APPROVED

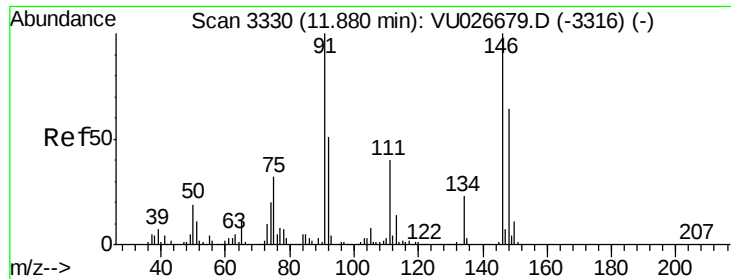
MMDadoda
9/13/2018 4:48:54 PM



#90
Hexachloroethane
Concen: 49.91 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	42.4	127.1





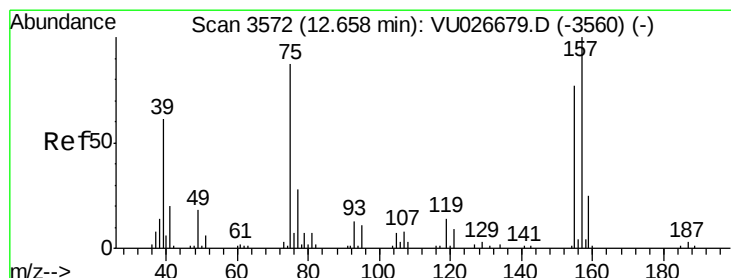
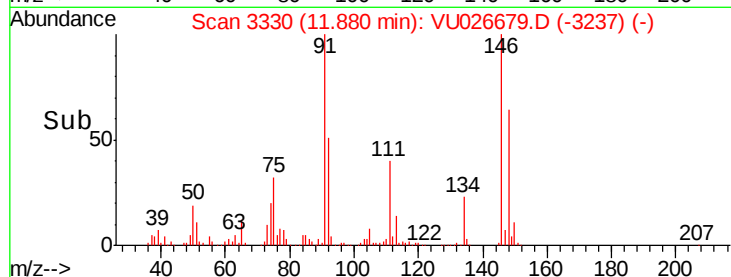
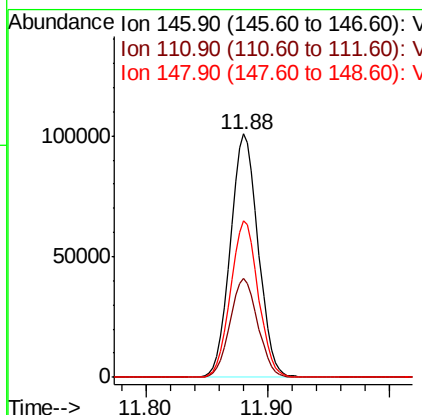
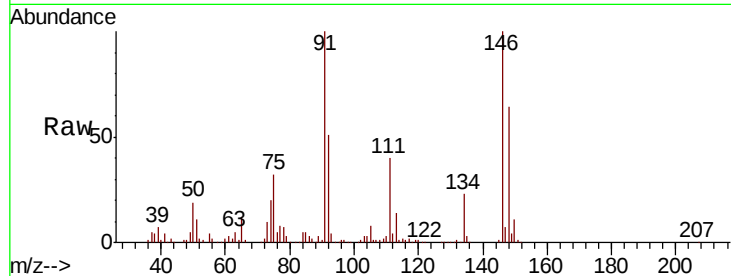
#91
 1,2-Dichlorobenzene
 Concen: 48.96 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	160044		
111	40.5	20.3	60.8	
148	64.2	32.1	96.3	

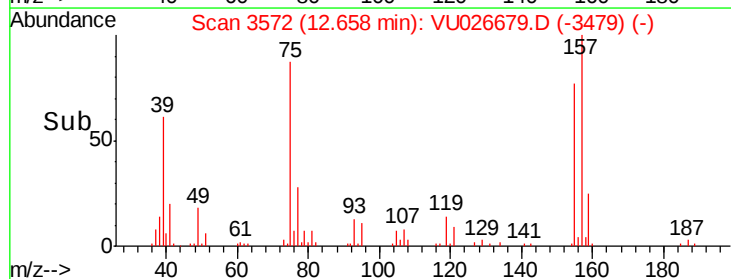
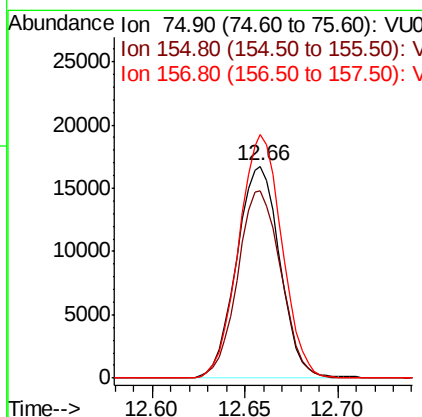
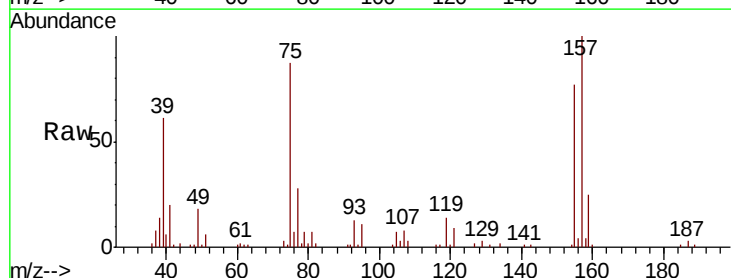
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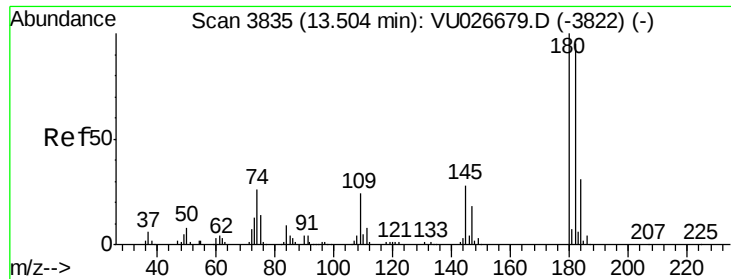
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.84 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27148		
155	88.3	44.1	132.4	
157	114.4	57.2	171.6	





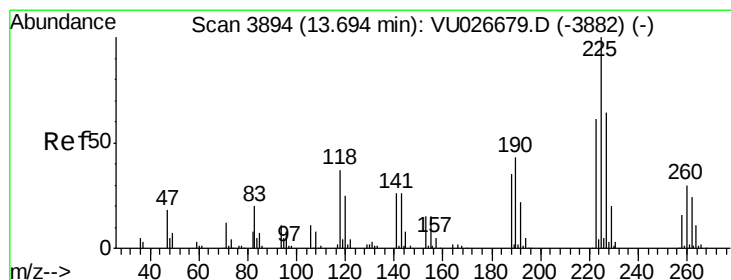
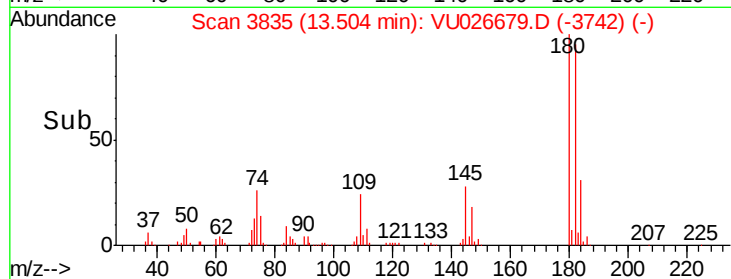
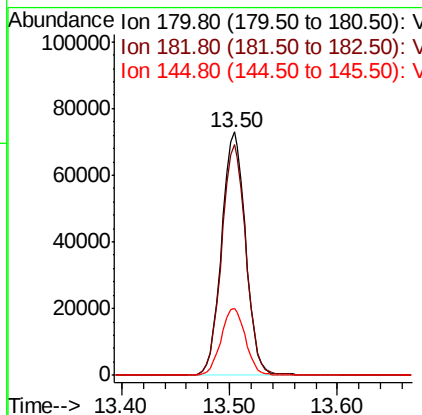
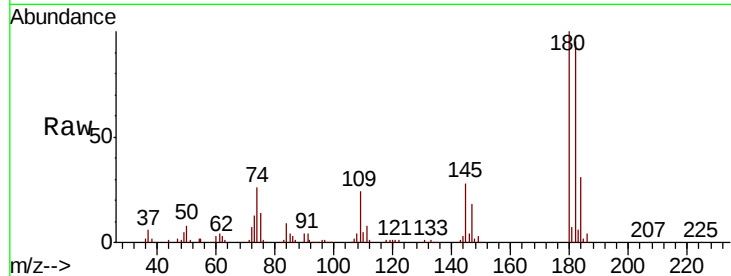
#93
 1,2,4-Trichlorobenzene
 Concen: 52.10 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113094		
182	95.8	47.9	143.7	
145	28.0	14.0	42.0	

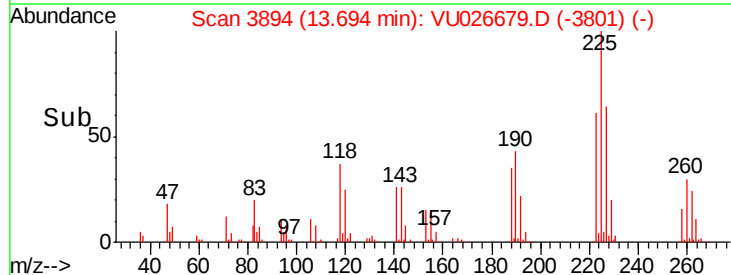
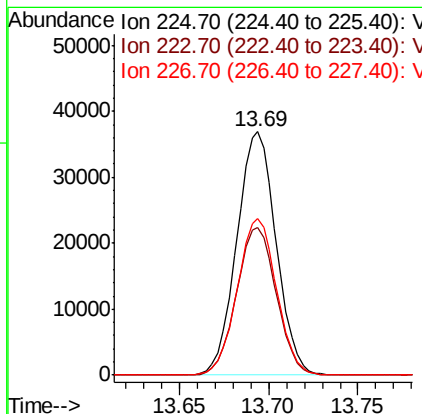
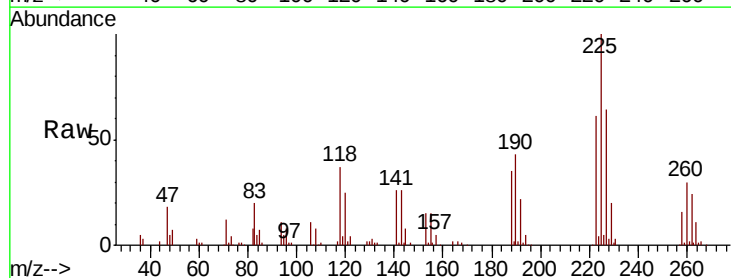
Manual Integrations
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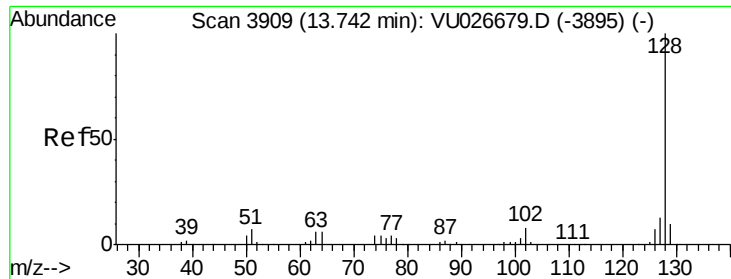
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#94
 Hexachlorobutadiene
 Concen: 50.84 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026679.D
 Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56774		
223	61.3	30.6	92.0	
227	64.2	32.1	96.3	





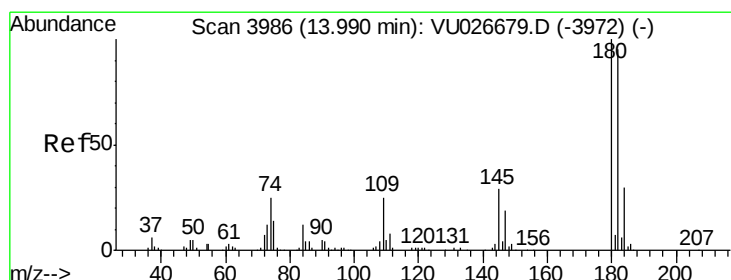
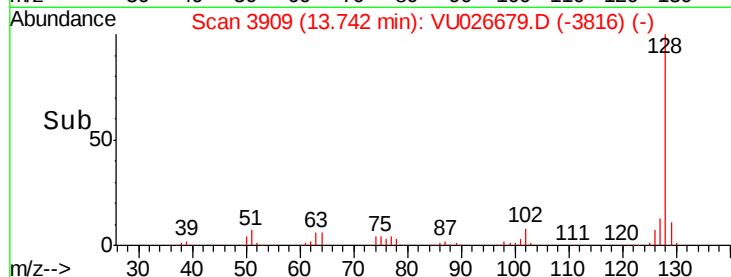
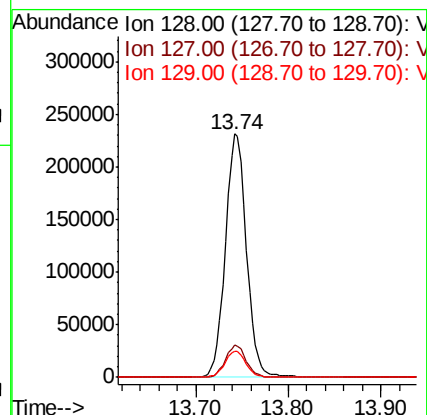
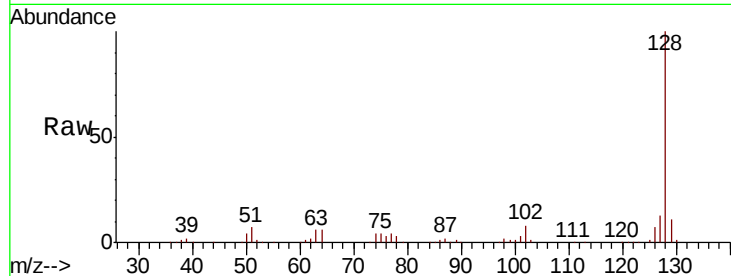
#95
Naphthalene
Concen: 55.52 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 52.02 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026679.D
Acq: 11 Sep 2018 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	29.9	14.9	44.9

