

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026681.D
 Acq On : 11 Sep 2018 12:30
 Operator : MD/SY
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:56 PM

Quant Time: Sep 12 05:26:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166355	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	168814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	110413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	250092	152.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.42%	
35) Dibromofluoromethane	4.88	113	208476	153.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.28%	
50) Toluene-d8	7.57	98	794953	158.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.80%	
62) 4-Bromofluorobenzene	10.31	95	322476	177.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	354.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	176442	151.27	ug/l	99
3) Chloromethane	1.32	50	232978	142.96	ug/l	100
4) Vinyl Chloride	1.40	62	253451	150.08	ug/l	100
5) Bromomethane	1.60	94	144490	136.60	ug/l	99
6) Chloroethane	1.67	64	155552	144.73	ug/l	97
7) Trichlorofluoromethane	1.87	101	331188	150.02	ug/l	99
8) Diethyl Ether	2.10	74	142803	147.61	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	192835	147.08	ug/l	100
10) Methyl Iodide	2.40	142	214026	216.67	ug/l	99
11) Tert butyl alcohol	2.85	59	294973	738.93	ug/l	99
12) 1,1-Dichloroethene	2.28	96	184692	149.01	ug/l	98
13) Acrolein	2.19	56	191116	710.44	ug/l	99
14) Allyl chloride	2.59	41	376765	168.78	ug/l	89
15) Acrylonitrile	2.94	53	674487	787.87	ug/l	99
16) Acetone	2.32	43	611153	659.12	ug/l	99
17) Carbon Disulfide	2.47	76	579898	147.05	ug/l	99
18) Methyl Acetate	2.61	43	303995	151.95	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	658395	154.28	ug/l	99
20) Methylene Chloride	2.70	84	219390	145.87	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	199706	152.95	ug/l	99
22) Diisopropyl ether	3.57	45	731151	156.93	ug/l	98
23) Vinyl Acetate	3.52	43	3216618	812.76	ug/l	100
24) 1,1-Dichloroethane	3.44	63	396074	150.70	ug/l	100
25) 2-Butanone	4.26	43	947297	758.44	ug/l	100
26) 2,2-Dichloropropane	4.22	77	321733	148.93	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	231742	153.99	ug/l	99
28) Bromochloromethane	4.55	49	183689	146.16	ug/l	99
29) Tetrahydrofuran	4.64	42	583666	775.10	ug/l	100
30) Chloroform	4.67	83	385870	149.30	ug/l	98
31) Cyclohexane	5.00	56	360586	132.56	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	328817	153.66	ug/l	99
36) 1,1-Dichloropropene	5.13	75	297057	159.05	ug/l	100
37) Ethyl Acetate	4.38	43	339839	151.31	ug/l	99
38) Carbon Tetrachloride	5.13	117	297575	150.80	ug/l	98

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 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)
39) Methylcyclohexane	6.42	83	365331	164.74	ug/l	98
40) Benzene	5.39	78	881087	151.90	ug/l	99
41) Methacrylonitrile	4.54	41	191397	164.18	ug/l	99
42) 1,2-Dichloroethane	5.40	62	309995	149.88	ug/l	100
43) Isopropyl Acetate	5.55	43	562500	164.48	ug/l	100
44) Trichloroethene	6.19	130	223421	155.63	ug/l	99
45) 1,2-Dichloropropane	6.43	63	244698	155.19	ug/l	99
46) Dibromomethane	6.56	93	158176	155.45	ug/l	98
47) Bromodichloromethane	6.76	83	313873	156.65	ug/l	100
48) Methyl methacrylate	6.62	41	290709	172.27	ug/l	99
49) 1,4-Dioxane	6.62	88	132986	3399.85	ug/l	99
51) 4-Methyl-2-Pentanone	7.47	43	1960549	857.06	ug/l	100
52) Toluene	7.64	92	557519	161.36	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	379210	170.62	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	387883	162.53	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	233577	157.79	ug/l	98
56) Ethyl methacrylate	8.02	69	395752	183.10	ug/l	99
57) 1,3-Dichloropropane	8.24	76	407995	161.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	921700	865.01	ug/l	100
59) 2-Hexanone	8.37	43	1566380	870.07	ug/l	99
60) Dibromochloromethane	8.48	129	268666	167.58	ug/l	99
61) 1,2-Dibromoethane	8.59	107	255769	159.24	ug/l	100
64) Tetrachloroethene	8.23	164	196662	146.37	ug/l	99
65) Chlorobenzene	9.12	112	641778	153.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	240834	156.07	ug/l	98
67) Ethyl Benzene	9.25	91	1124142	162.71	ug/l	99
68) m/p-Xylenes	9.38	106	871913	331.76	ug/l	100
69) o-Xylene	9.78	106	431231	168.43	ug/l	100
70) Styrene	9.79	104	734560	175.27	ug/l	99
71) Bromoform	9.96	173	234329	174.60	ug/l	# 100
73) Isopropylbenzene	10.17	105	1157548	153.85	ug/l	99
74) N-amyl acetate	10.02	43	594892	167.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	440252	143.57	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	371059m	132.12	ug/l	
77) Bromobenzene	10.46	156	306487	149.88	ug/l	98
78) n-propylbenzene	10.59	91	1411590	161.31	ug/l	100
79) 2-Chlorotoluene	10.66	91	818280	150.84	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	1011070	159.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	175085m	139.36	ug/l	
82) 4-Chlorotoluene	10.77	91	977390	160.36	ug/l	99
83) tert-Butylbenzene	11.10	119	1027790	160.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1033313	161.99	ug/l	99
85) sec-Butylbenzene	11.33	105	1243404	163.14	ug/l	100
86) p-Isopropyltoluene	11.48	119	1116428	167.99	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	567234	148.69	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	573445	144.74	ug/l	99
89) n-Butylbenzene	11.89	91	1043798	179.26	ug/l	99
90) Hexachloroethane	12.15	117	210672	156.64	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	568294	148.09	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	97426	158.47	ug/l	100

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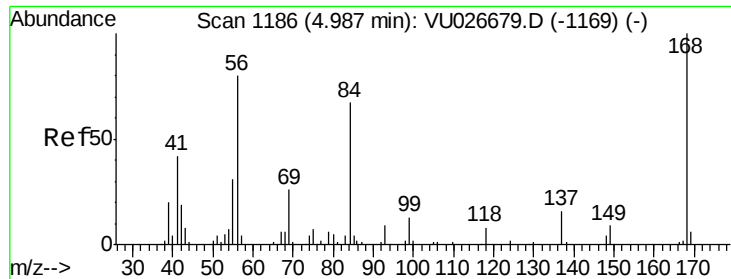
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 04:37:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	414299	162.57	ug/l	100
94) Hexachlorobutadiene	13.69	225	200240	152.74	ug/l	99
95) Naphthalene	13.74	128	1296725	167.98	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	418123	157.10	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 107961

Ion Ratio Lower Upper

168 100

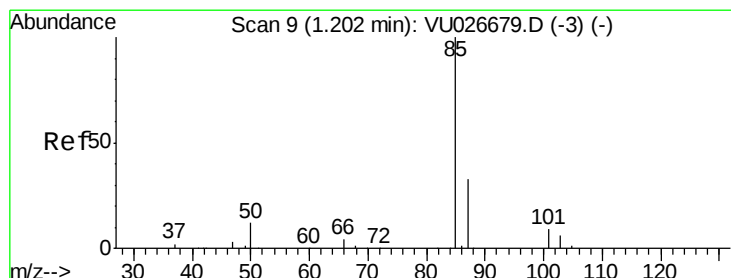
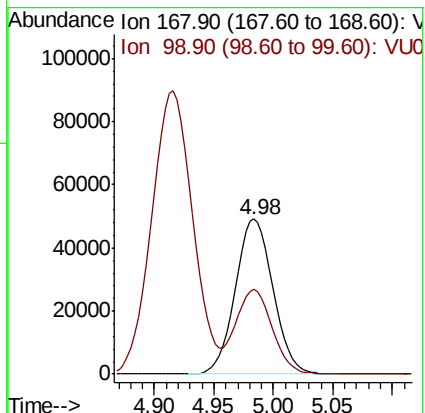
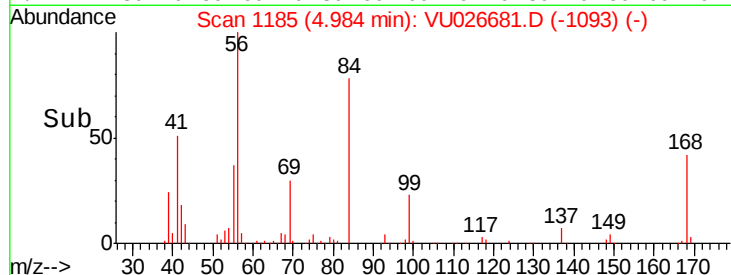
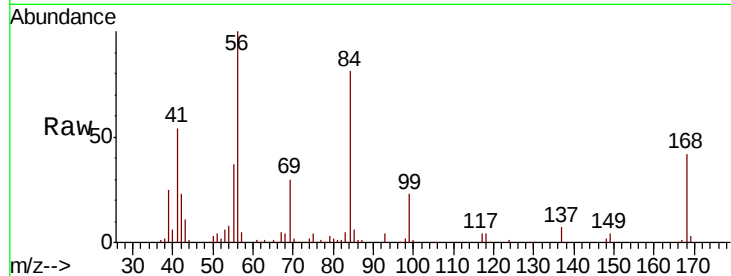
99 54.4 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 151.27 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026681.D

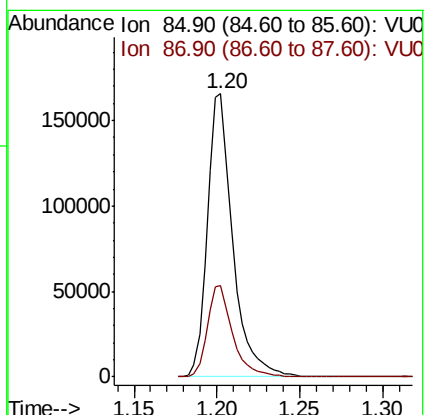
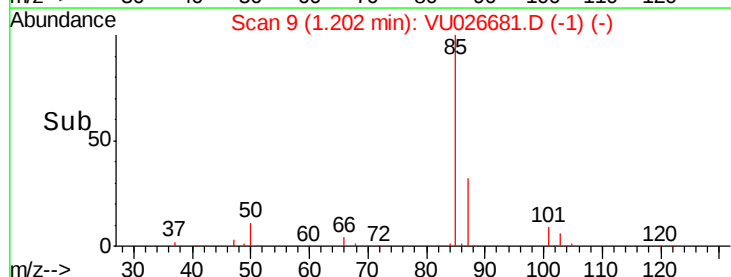
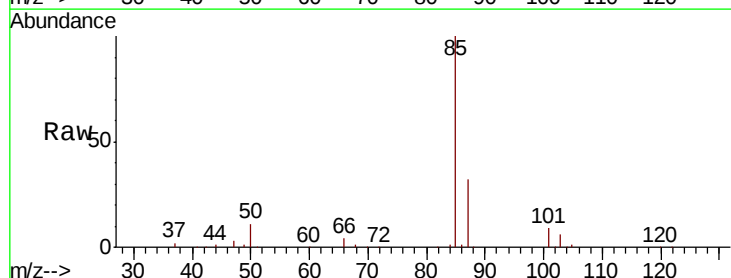
Acq: 11 Sep 2018 12:30

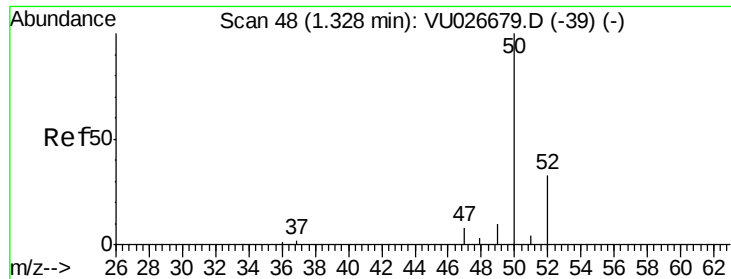
Tgt Ion: 85 Resp: 176442

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.7





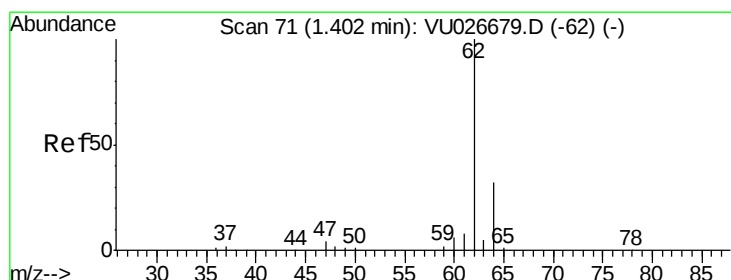
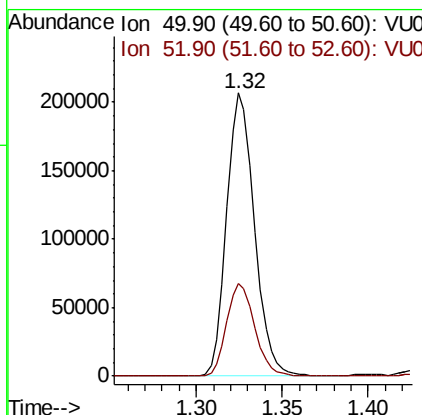
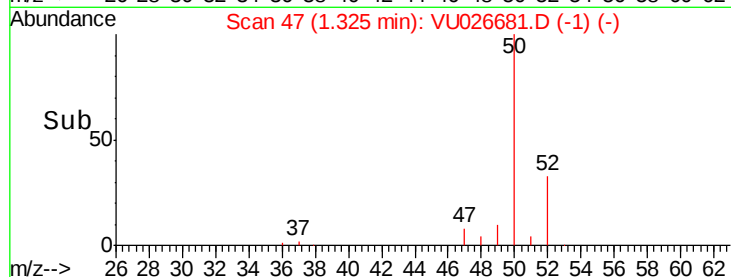
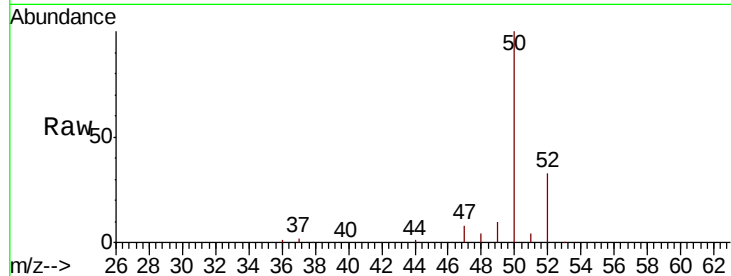
#3
Chloromethane
Concen: 142.96 ug/l
RT: 1.32 min Scan# 47
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 50 Resp: 232978
Ion Ratio Lower Upper
50 100
52 32.9 26.3 39.5

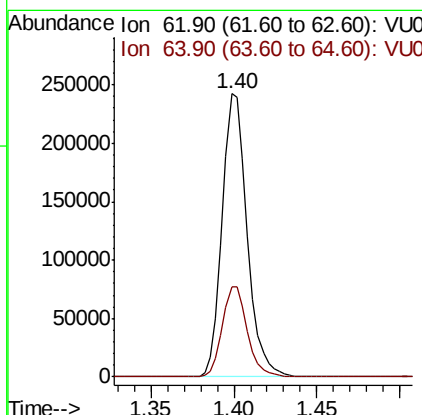
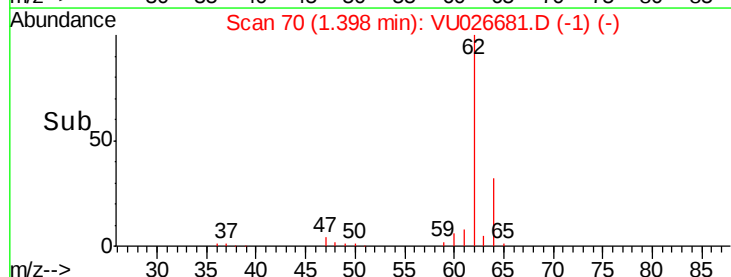
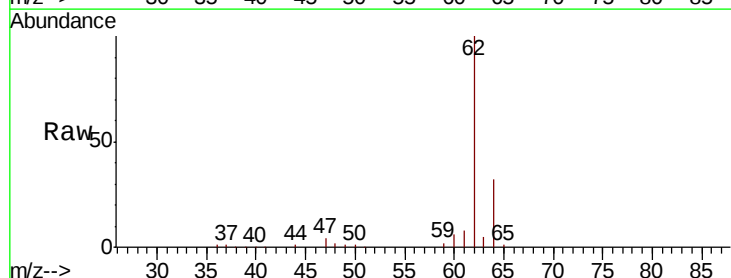
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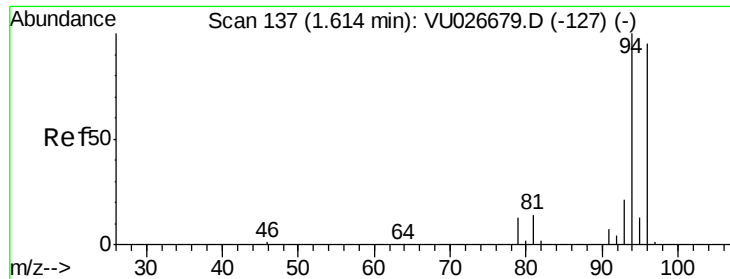
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#4
Vinyl Chloride
Concen: 150.08 ug/l
RT: 1.40 min Scan# 70
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 62 Resp: 253451
Ion Ratio Lower Upper
62 100
64 31.8 25.6 38.4





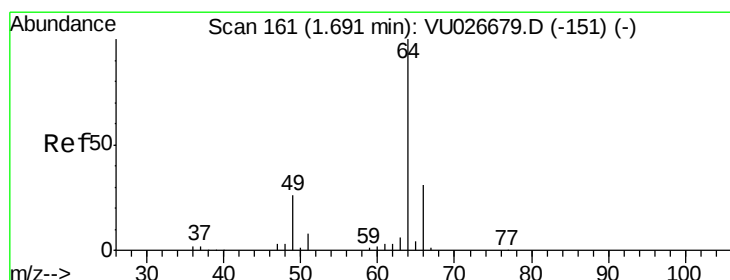
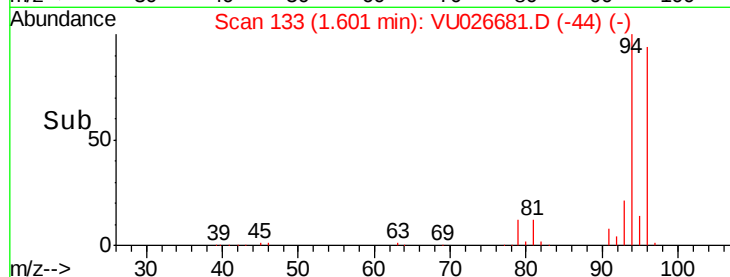
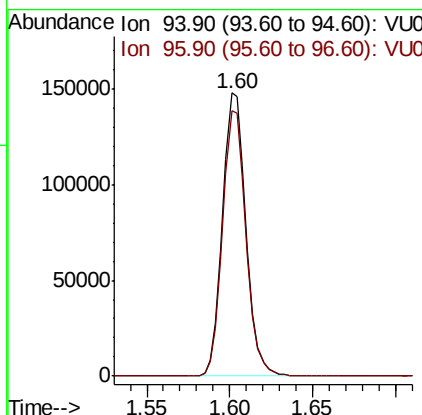
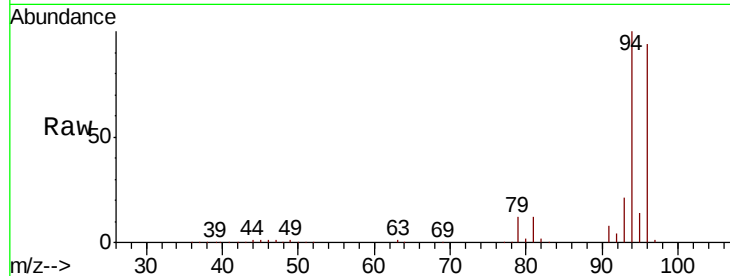
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Bromomethane
Concen: 136.60 ug/l
RT: 1.60 min Scan# 133
Delta R.T. -0.01 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 94 Resp: 144490
Ion Ratio Lower Upper
94 100
96 93.9 75.8 113.6

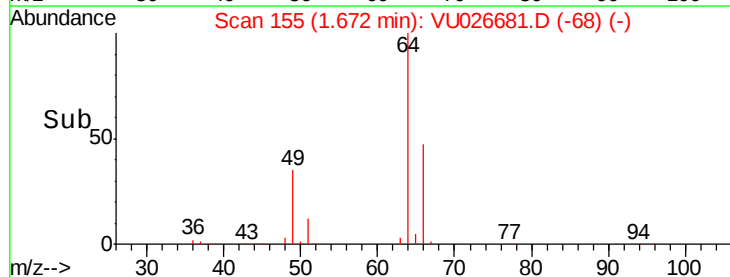
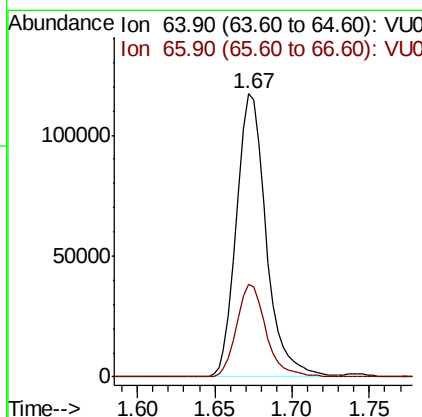
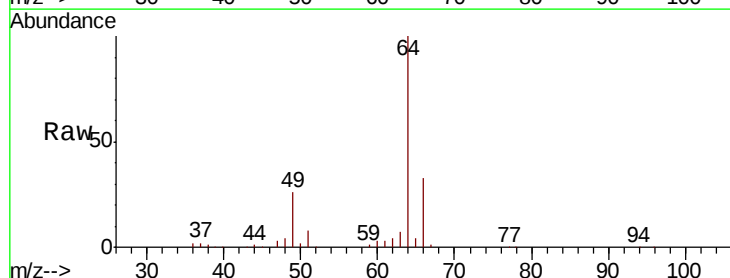
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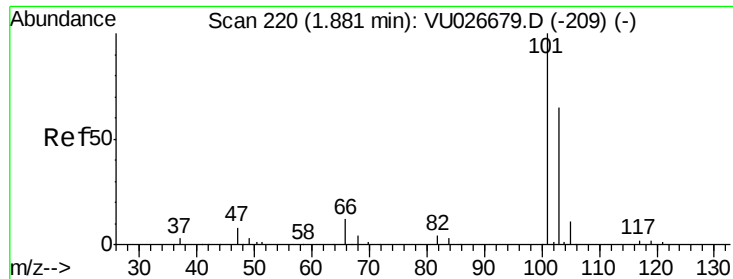
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#6
Chloroethane
Concen: 144.73 ug/l
RT: 1.67 min Scan# 155
Delta R.T. -0.02 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 64 Resp: 155552
Ion Ratio Lower Upper
64 100
66 32.6 24.7 37.1





#7

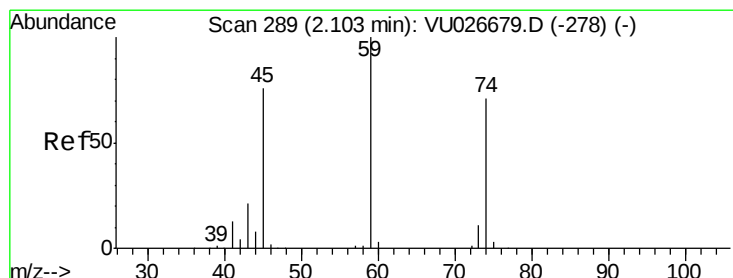
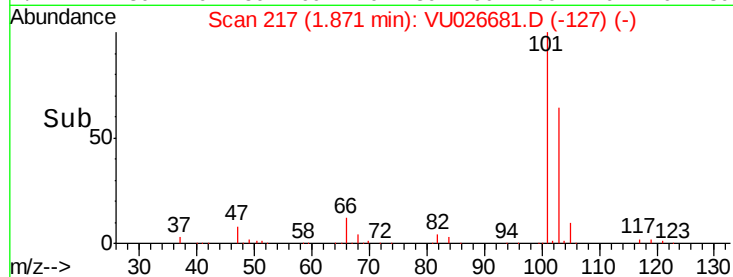
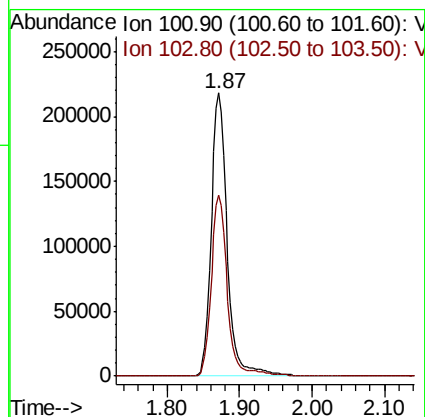
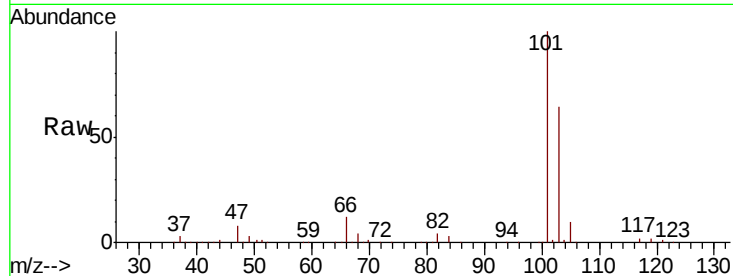
Trichlorofluoromethane
Concen: 150.02 ug/l
RT: 1.87 min Scan# 217
Delta R.T. -0.01 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 331188
Ion Ratio Lower Upper
101 100
103 63.9 51.7 77.5

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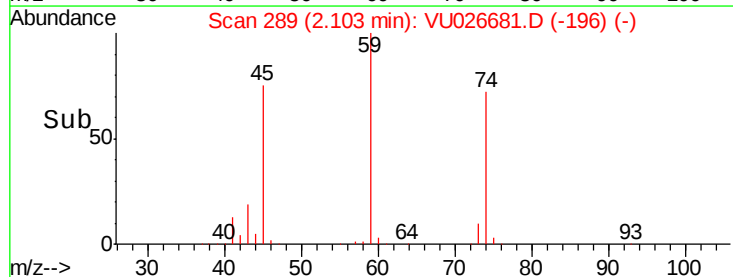
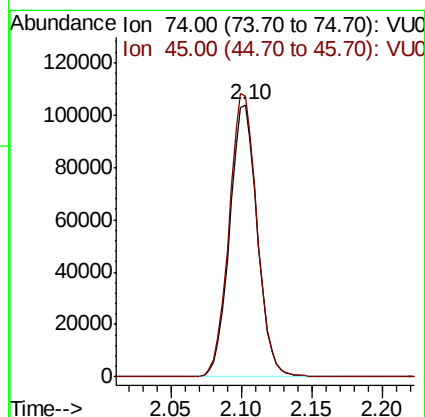
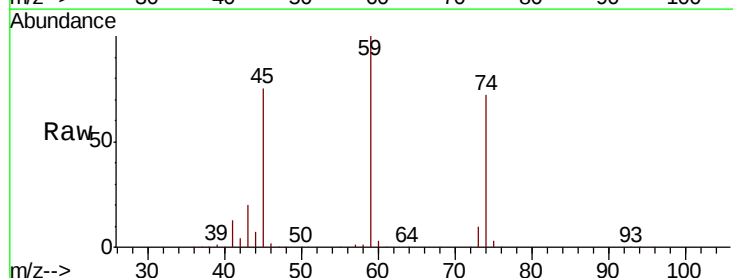
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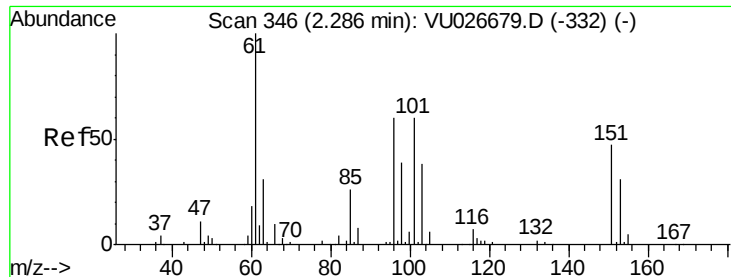


#8

Diethyl Ether
Concen: 147.61 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 74 Resp: 142803
Ion Ratio Lower Upper
74 100
45 105.0 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.08 ug/l

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

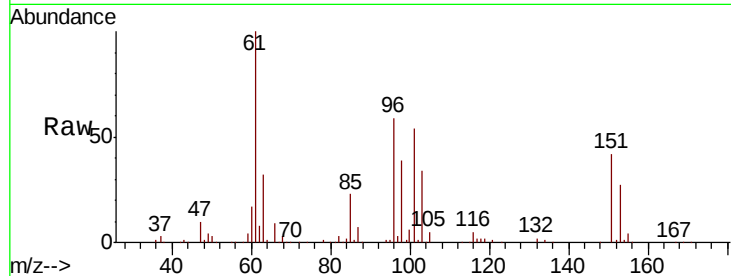
ClientSampleId :

VSTDIC150

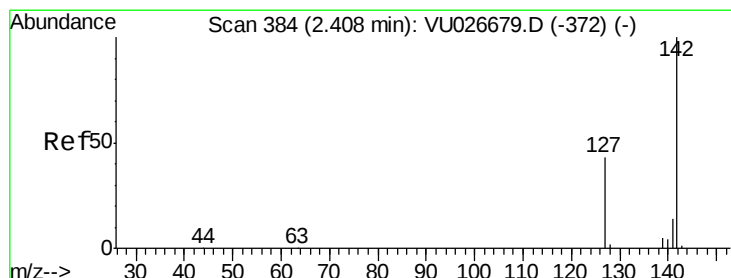
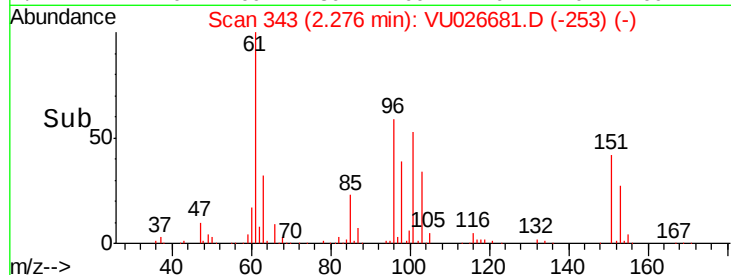
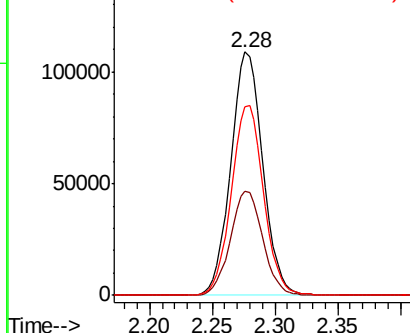
Tot Ion:	101	Resp:	192835
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	52.0
151	78.6	62.7	94.1

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



#10

Methyl Iodide

Concen: 216.67 ug/l

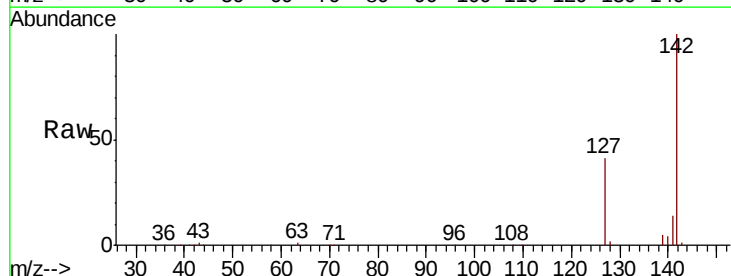
RT: 2.40 min Scan# 383

Delta R.T. -0.00 min

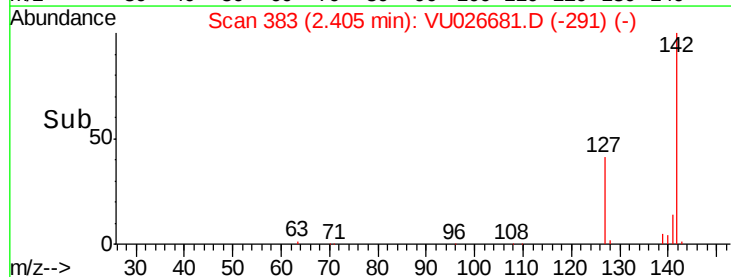
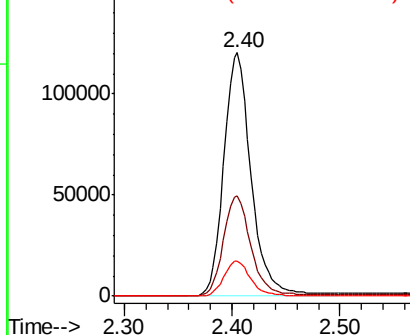
Lab File: VU026681.D

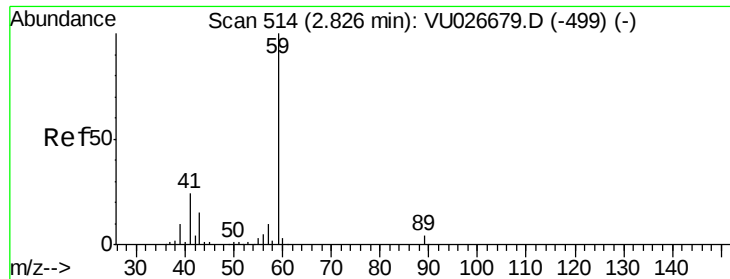
Acq: 11 Sep 2018 12:30

Tgt Ion:	142	Resp:	214026
Ion Ratio	Lower	Upper	
142	100		
127	41.5	34.1	51.1
141	14.3	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





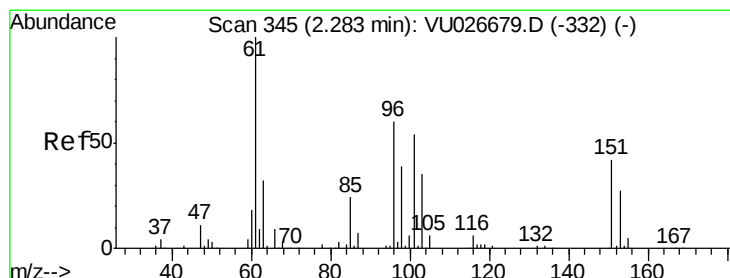
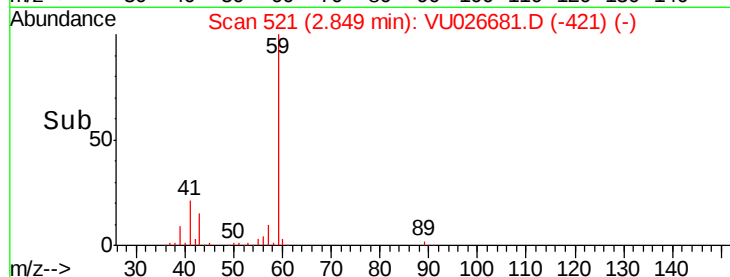
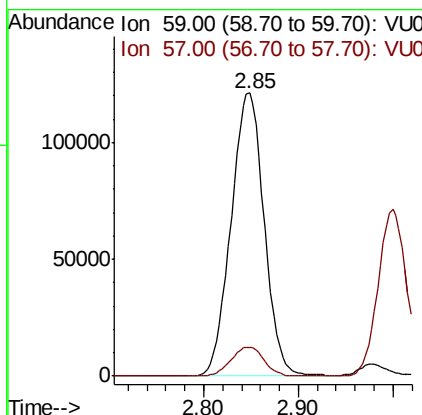
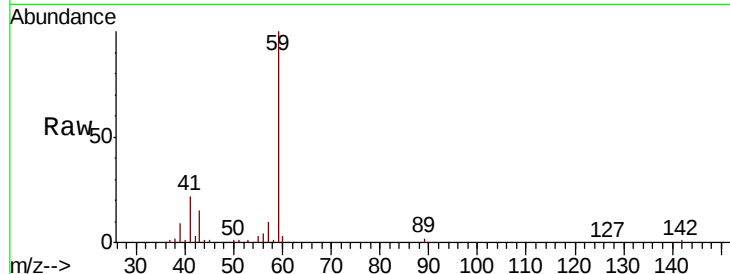
#11
Tert butyl alcohol
Concen: 738.93 ug/l
RT: 2.85 min Scan# 521
Delta R.T. 0.02 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 294973
Ion Ratio Lower Upper
59 100
57 10.3 8.0 12.0

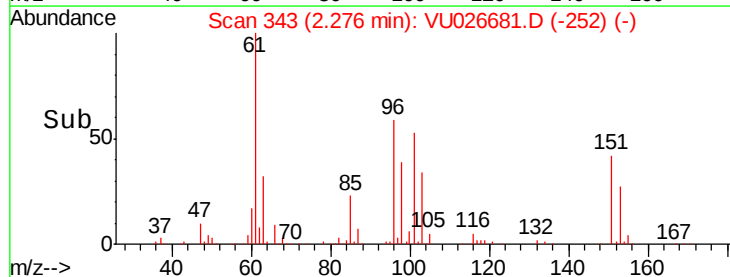
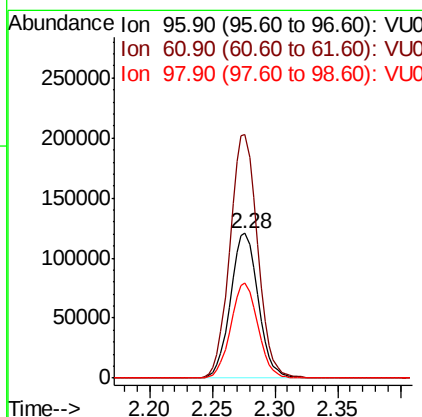
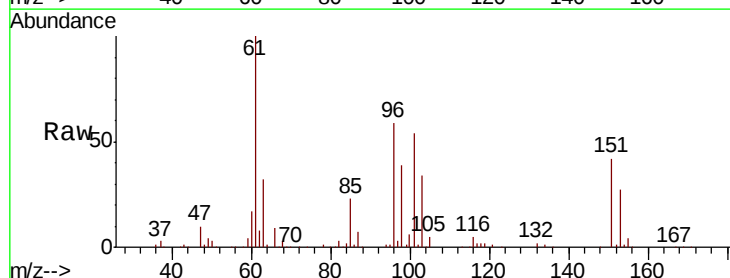
Manual Integrations
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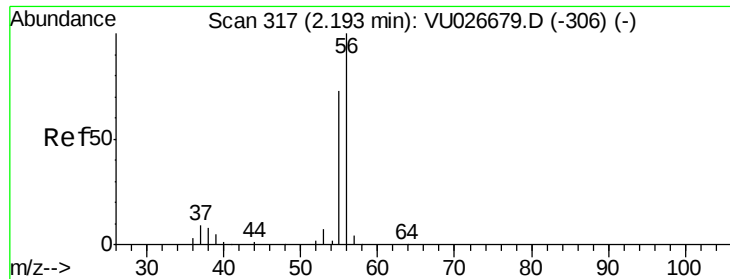
MMDadoda
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#12
1,1-Dichloroethene
Concen: 149.01 ug/l
RT: 2.28 min Scan# 343
Delta R.T. -0.01 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 96 Resp: 184692
Ion Ratio Lower Upper
96 100
61 168.5 133.0 199.6
98 65.5 51.3 76.9





#13

Acrolein

Concen: 710.44 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 191116

Ion Ratio Lower Upper

56 100

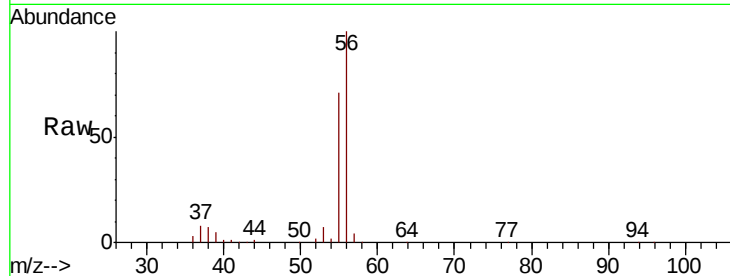
55 71.2 57.4 86.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU026681.D (-224) (-)

Ion 55.00 (54.70 to 55.70): VU026681.D (-224) (-)

150000

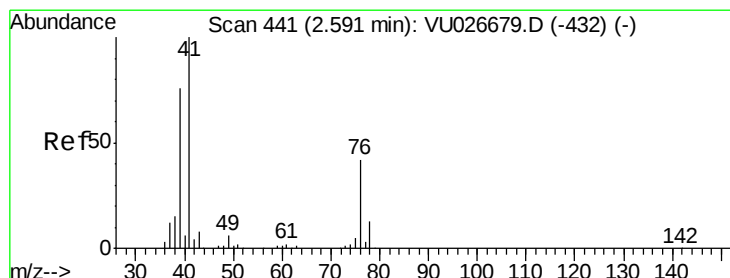
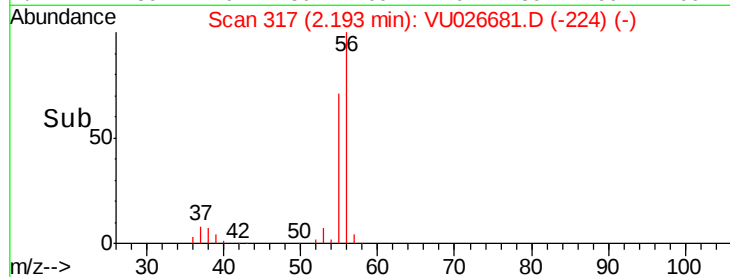
100000

50000

0

2.10 2.20 2.30

Time-->



#14

Allyl chloride

Concen: 168.78 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

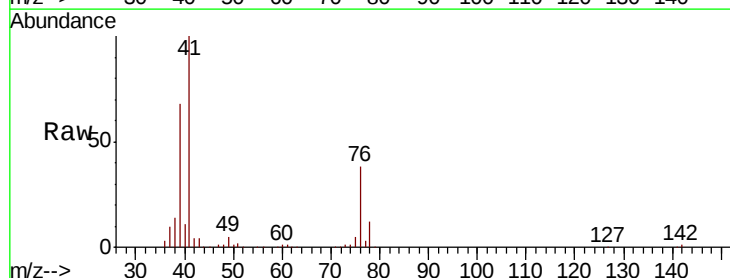
Tgt Ion: 41 Resp: 376765

Ion Ratio Lower Upper

41 100

39 60.9 56.9 85.3

76 32.7 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU026681.D (-348) (-)

Ion 39.00 (38.70 to 39.70): VU026681.D (-348) (-)

Ion 75.90 (75.60 to 76.60): VU026681.D (-348) (-)

400000

300000

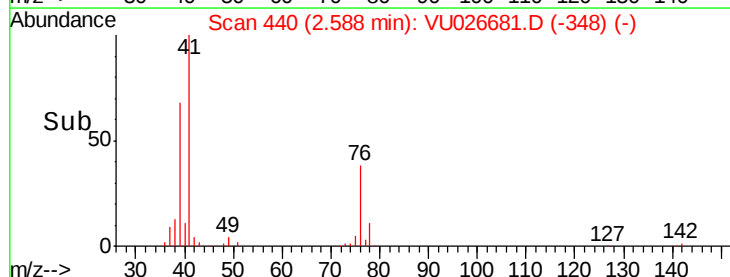
200000

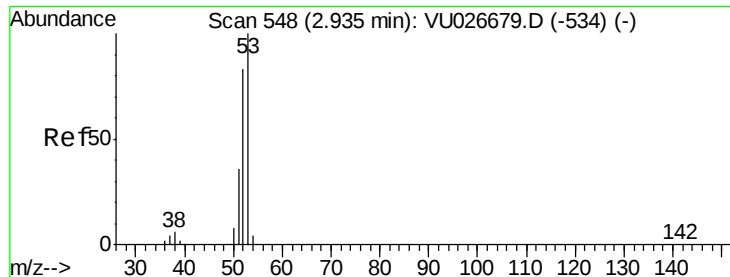
100000

0

2.50 2.60 2.70

Time-->





#15

Acrylonitrile

Concen: 787.87 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

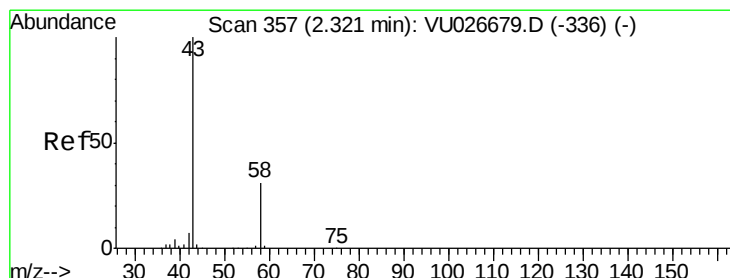
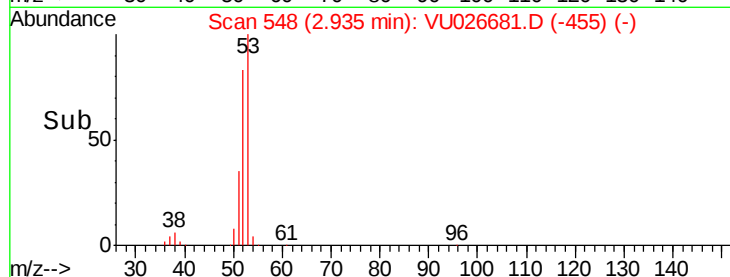
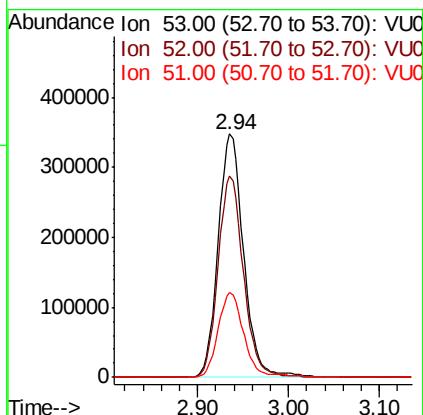
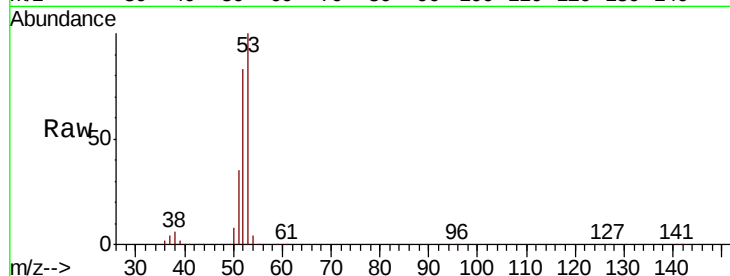
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	674487
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.8	98.8
51	35.6	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 659.12 ug/l

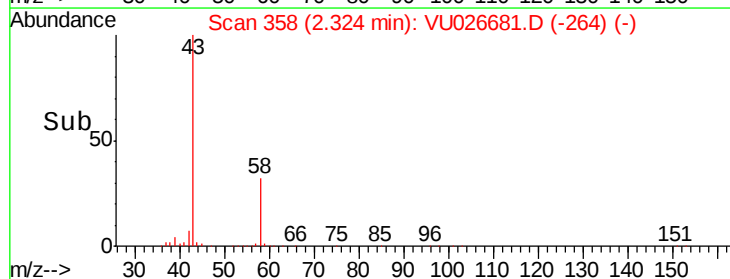
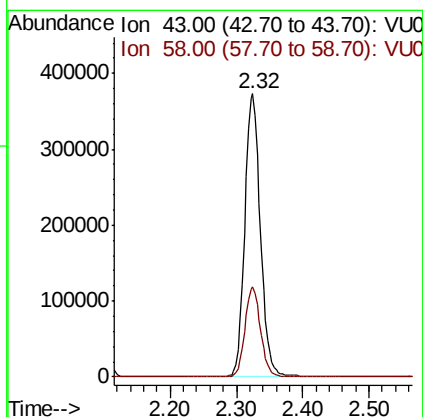
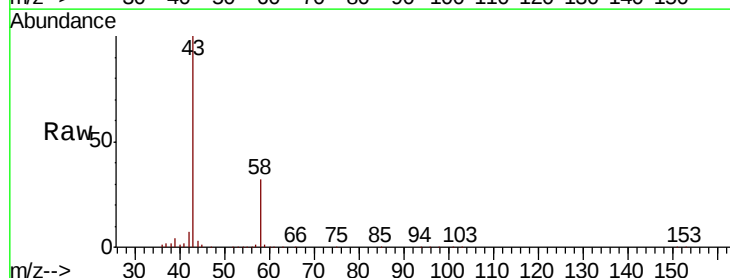
RT: 2.32 min Scan# 358

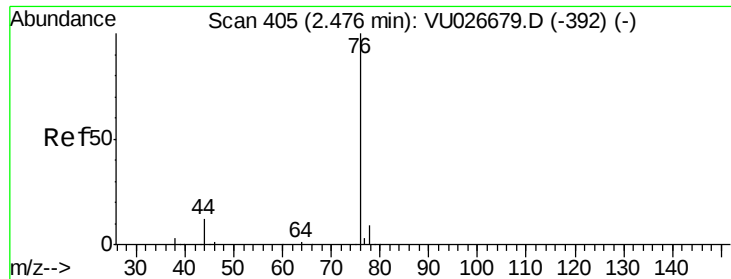
Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Tgt Ion:	43	Resp:	611153
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.1	37.7





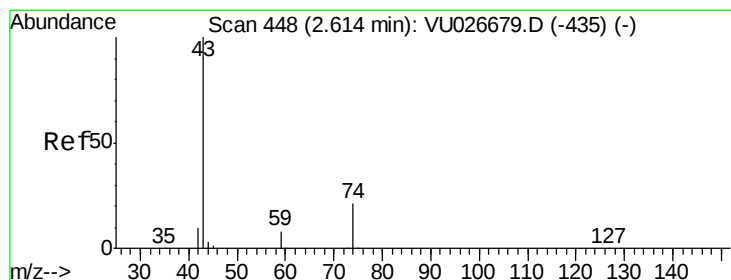
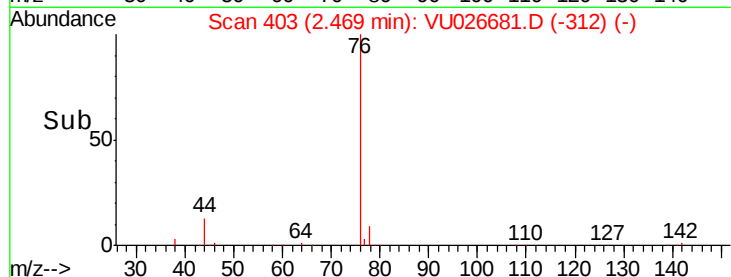
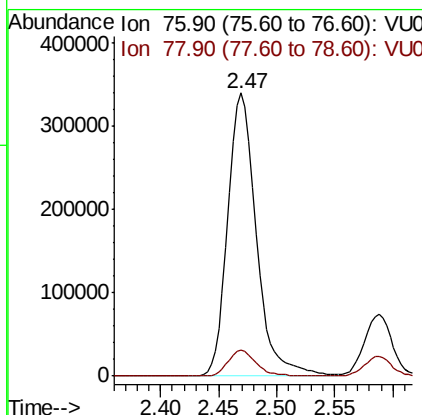
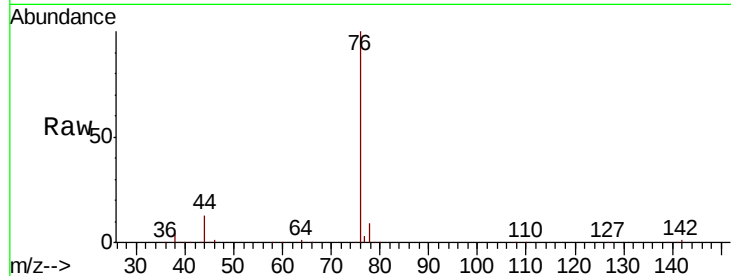
#17
Carbon Disulfide
Concen: 147.05 ug/l
RT: 2.47 min Scan# 403
Delta R.T. -0.01 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

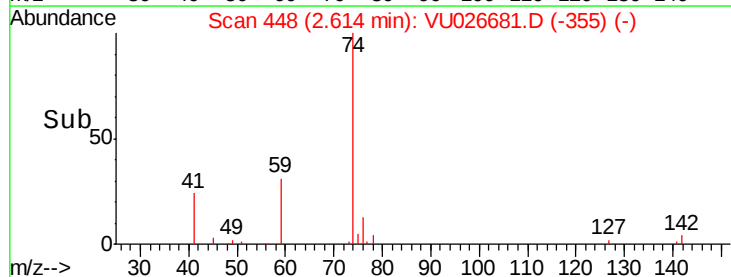
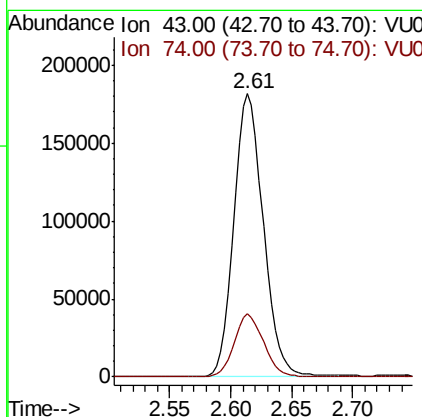
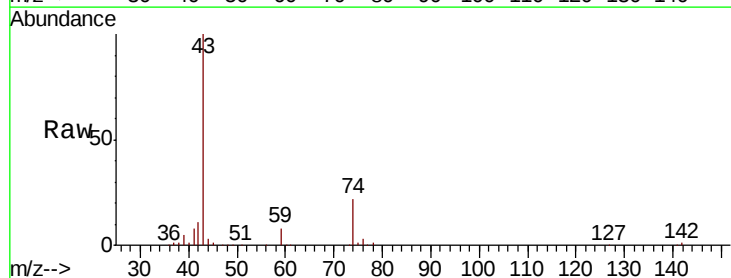
Manual Integrations
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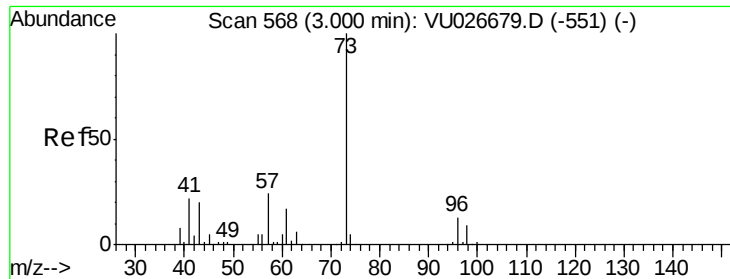
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#18
Methyl Acetate
Concen: 151.95 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5





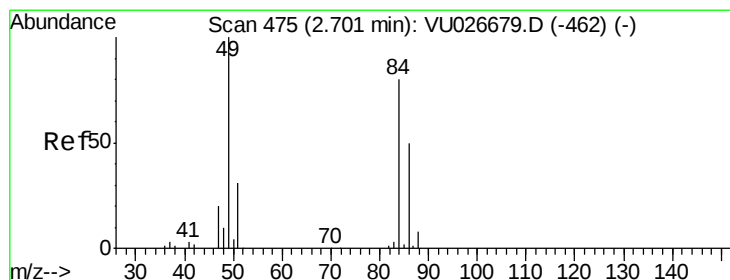
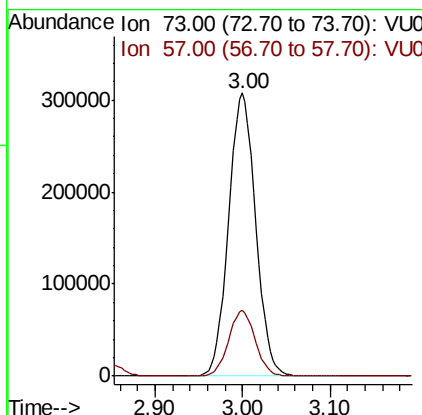
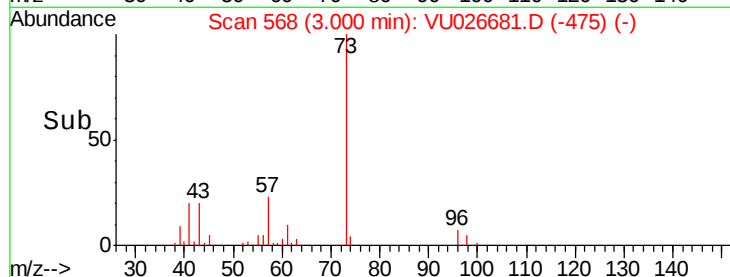
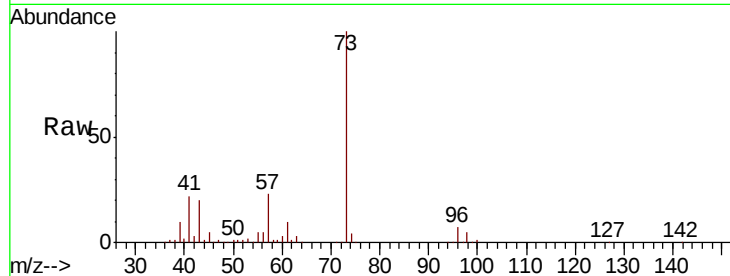
#19
Methvl tert-butvl Ether
Concen: 154.28 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.9	28.3

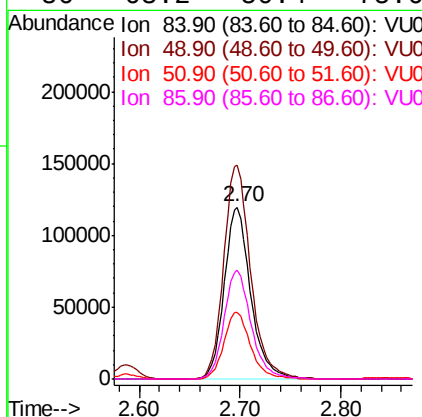
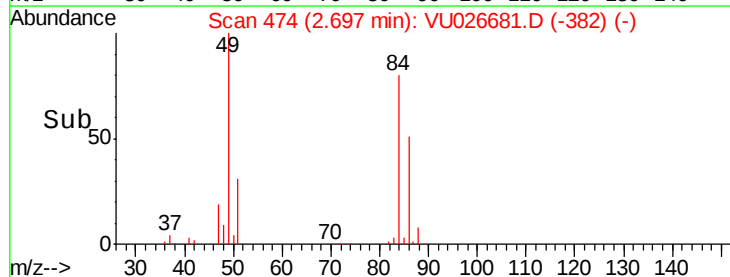
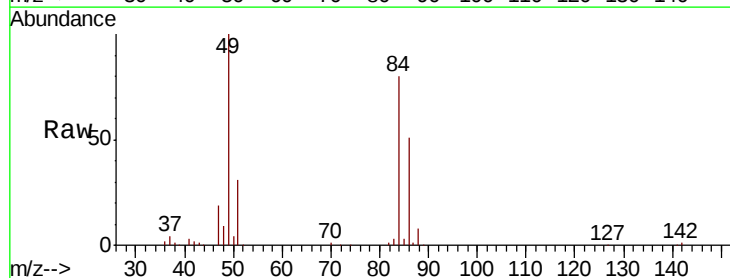
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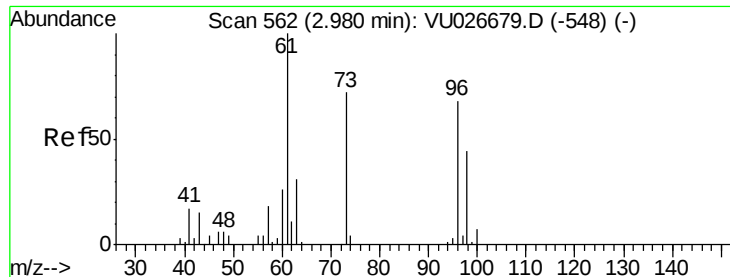
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#20
Methylene Chloride
Concen: 145.87 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	100.6	151.0
51	39.0	30.9	46.3
86	63.2	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 152.95 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 199706

Ion Ratio Lower Upper

96 100

61 146.4 117.7 176.5

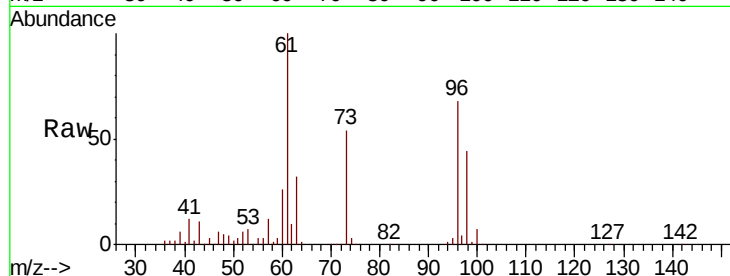
98 63.7 52.0 78.0

Manual Integrations

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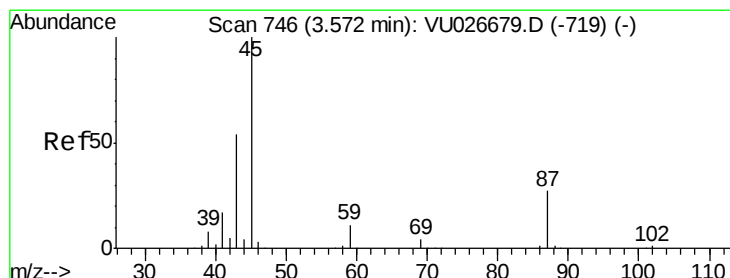
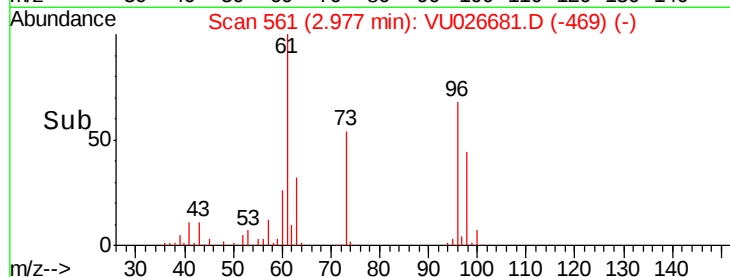
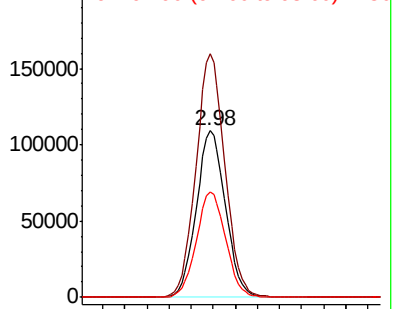


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 156.93 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Tgt Ion: 45 Resp: 731151

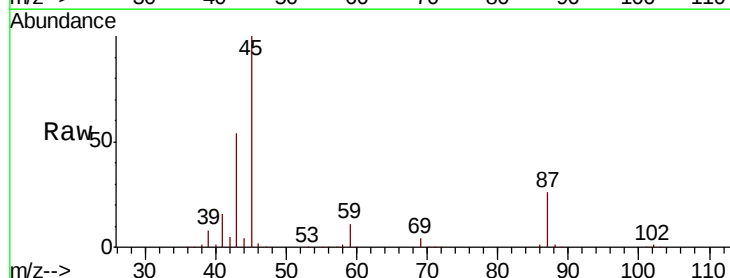
Ion Ratio Lower Upper

45 100

43 53.6 44.6 67.0

87 25.8 21.4 32.0

59 11.2 9.0 13.4



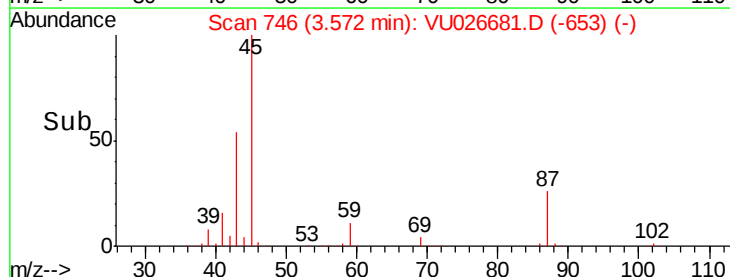
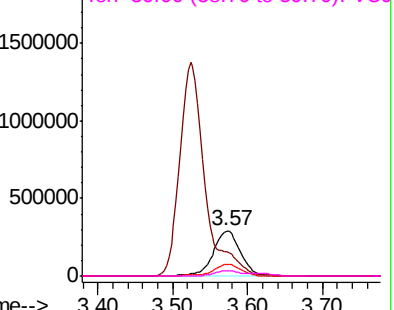
Abundance

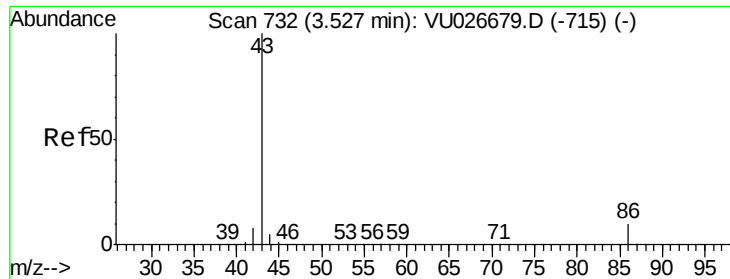
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 812.76 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3216618

Ion Ratio Lower Upper

43 100

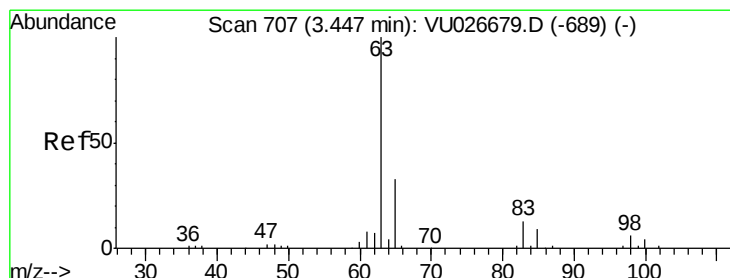
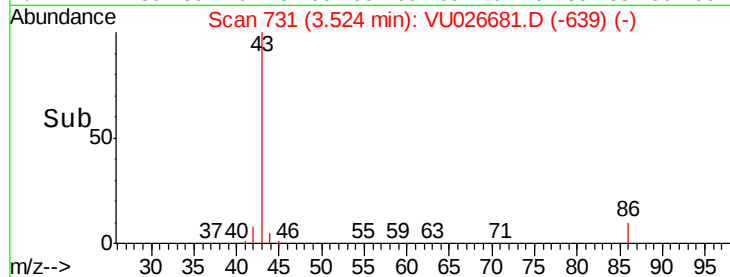
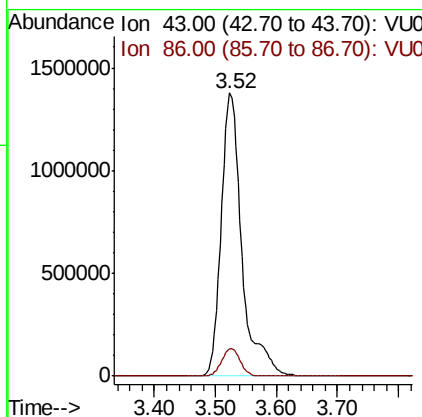
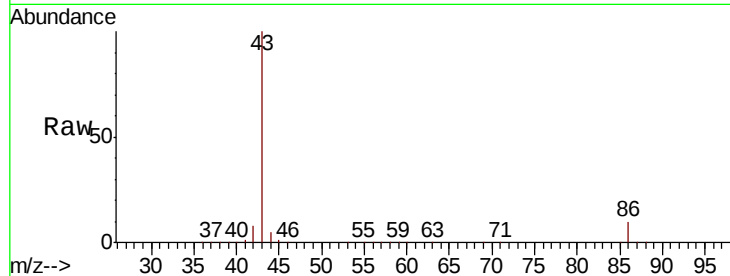
86 9.8 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 150.70 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

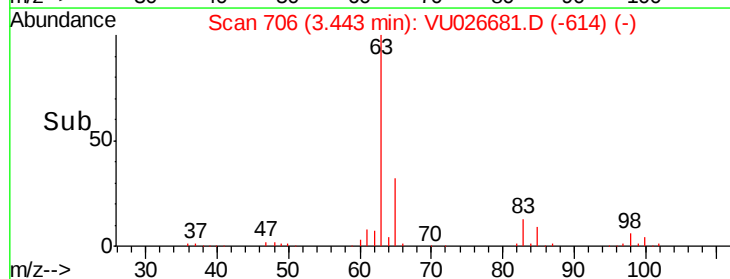
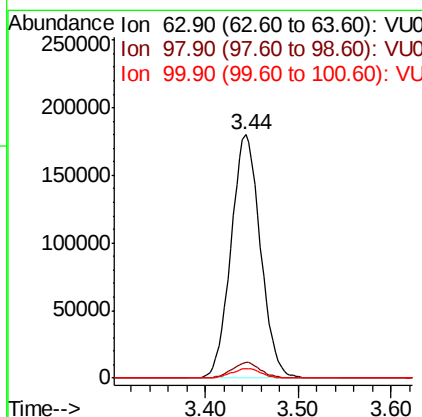
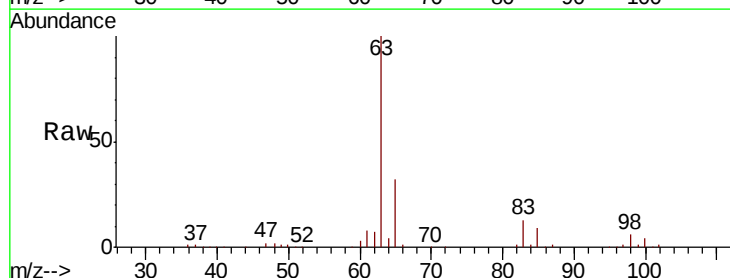
Tgt Ion: 63 Resp: 396074

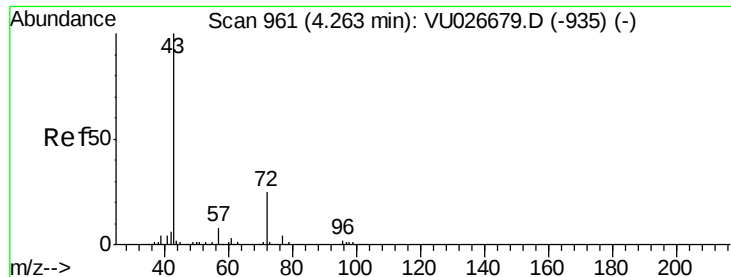
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 758.44 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 947297

Ion Ratio Lower Upper

43 100

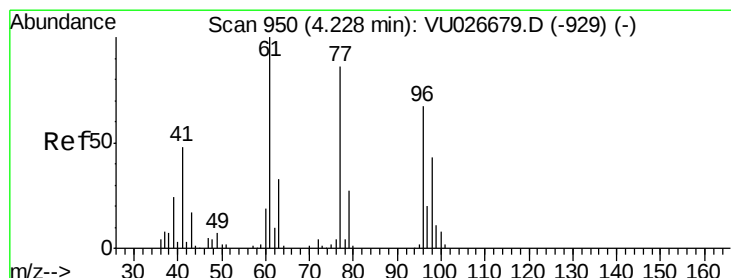
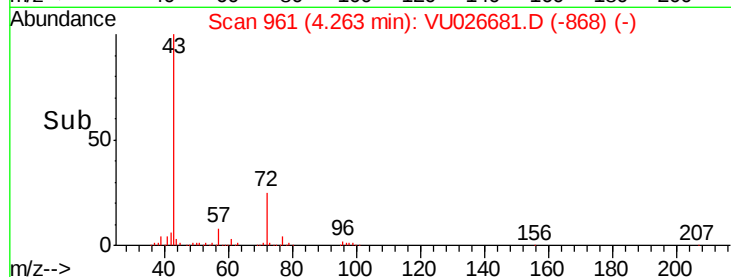
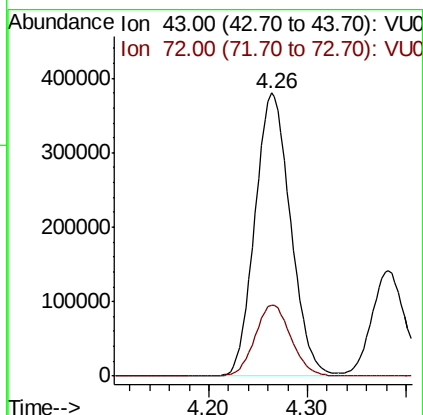
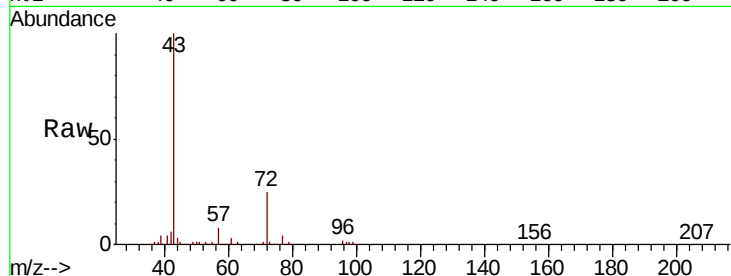
72 25.3 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 148.93 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026681.D

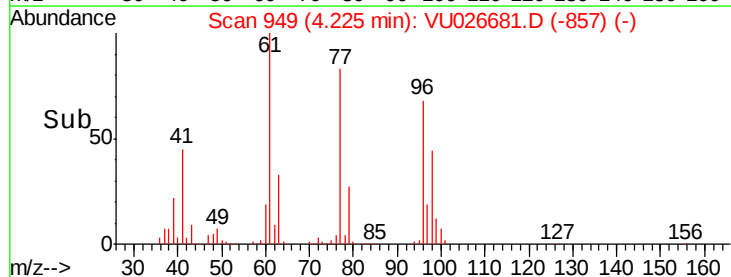
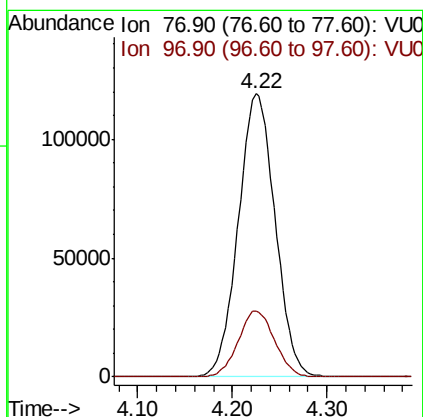
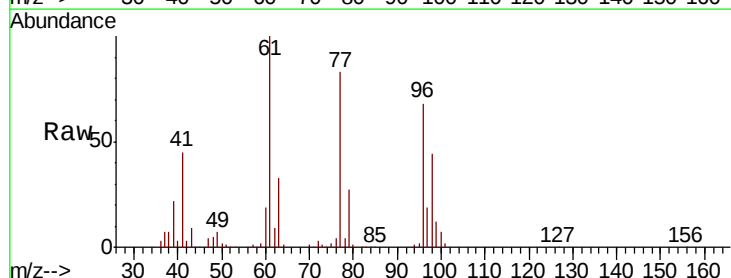
Acq: 11 Sep 2018 12:30

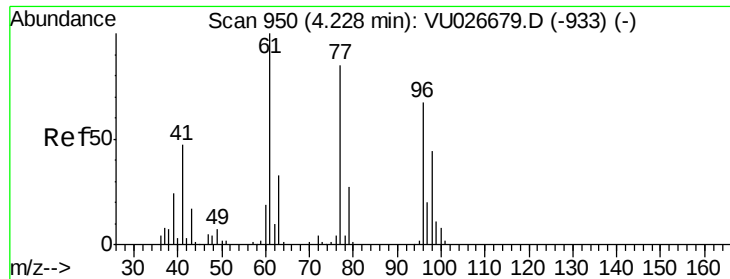
Tgt Ion: 77 Resp: 321733

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 153.99 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

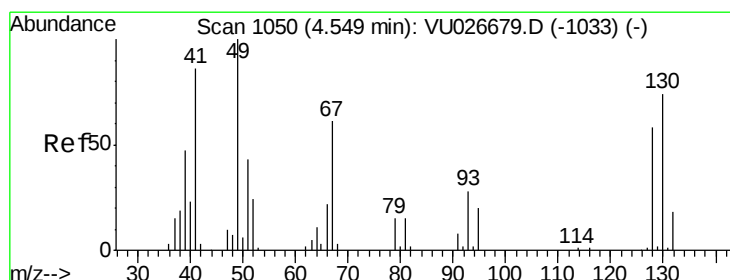
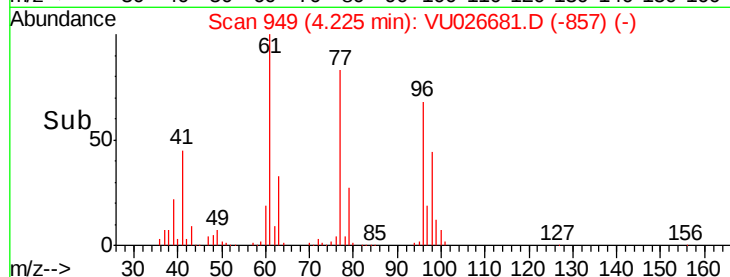
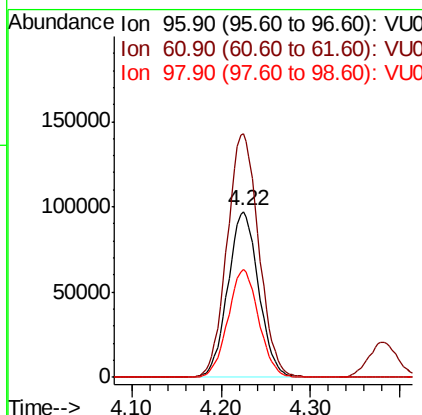
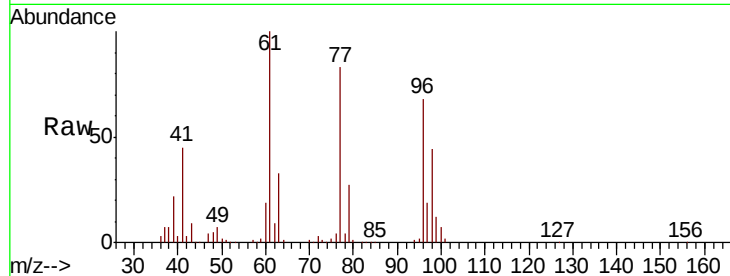
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	231742
Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	301.8
98	65.2	0.0	127.2

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#28

Bromochloromethane

Concen: 146.16 ug/l

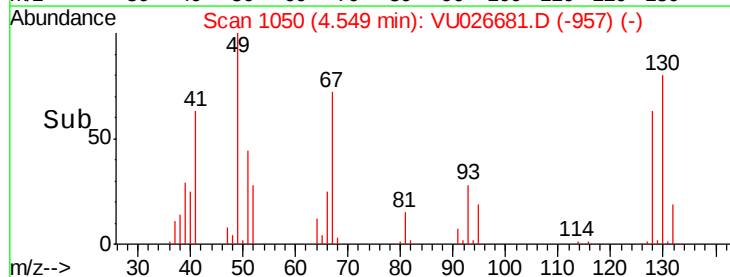
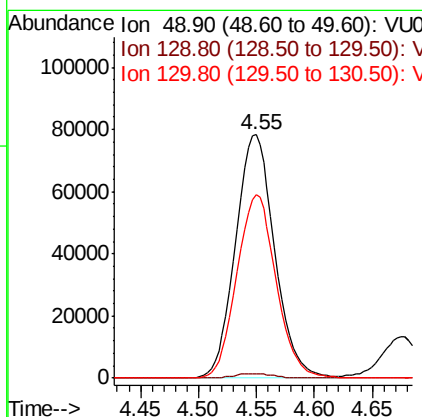
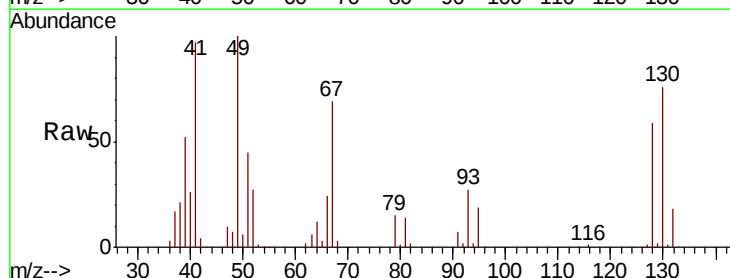
RT: 4.55 min Scan# 1050

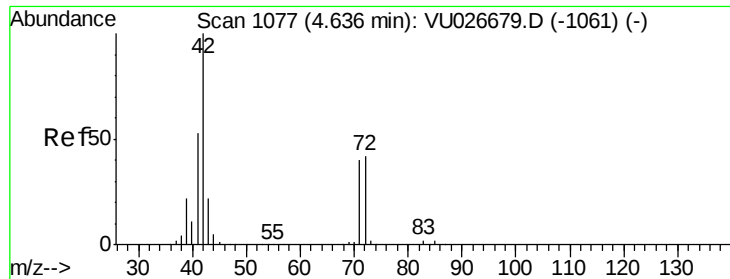
Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Tgt Ion:	49	Resp:	183689
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	75.9	59.8	89.6





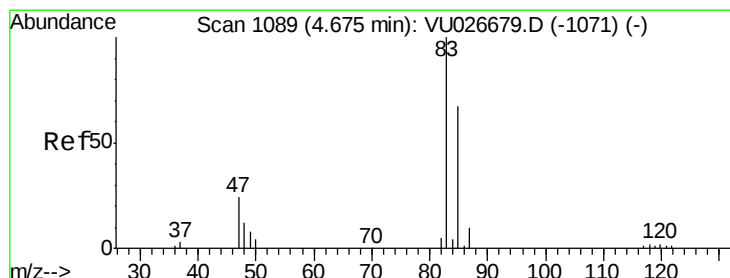
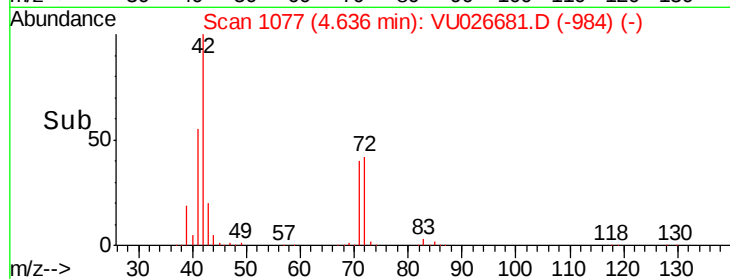
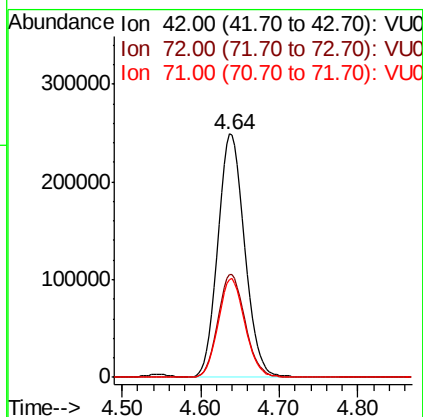
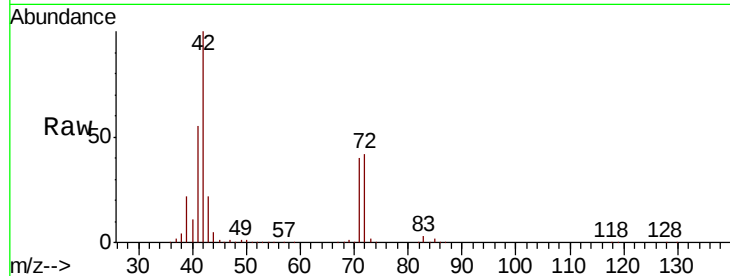
#29
Tetrahydrofuran
Concen: 775.10 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

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

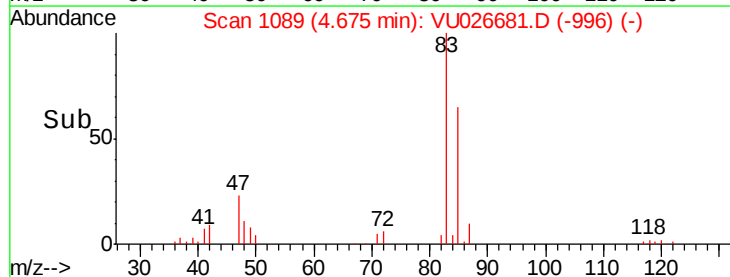
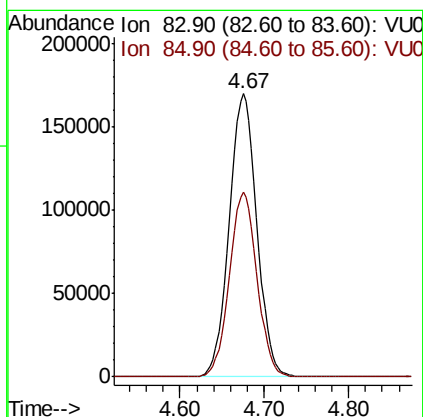
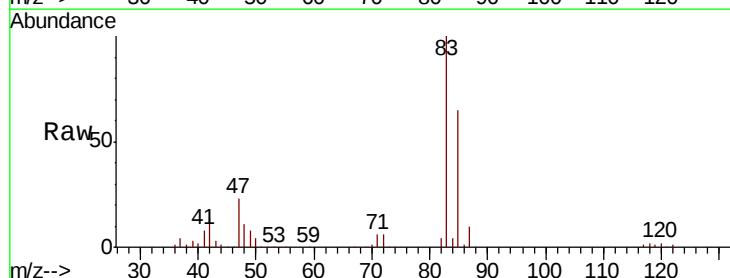
Manual Integrations
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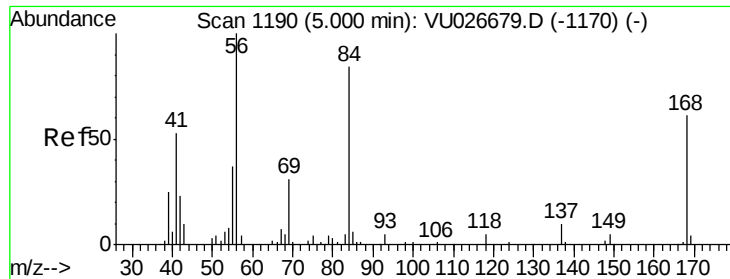
MMDadoda
9/13/2018 4:48:56 PM



#30
Chloroform
Concen: 149.30 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.3	79.9





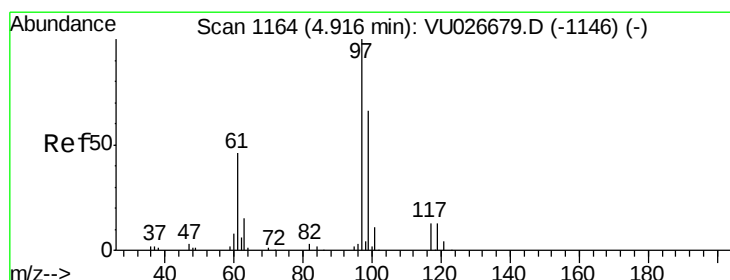
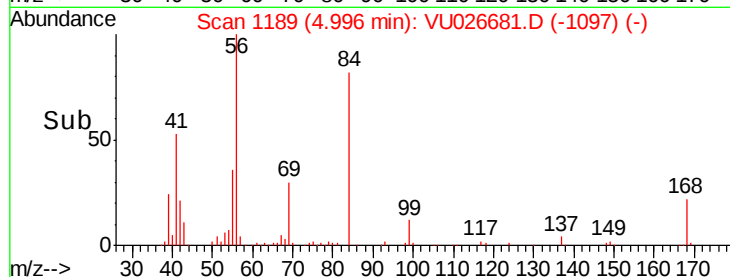
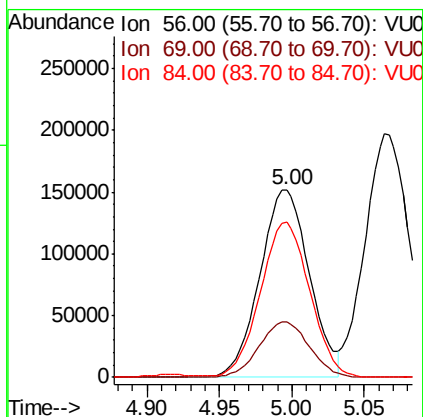
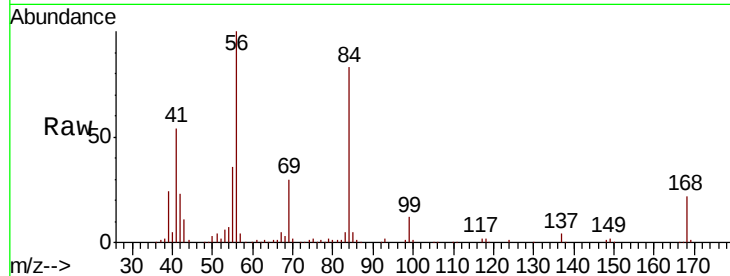
#31
Cyclohexane
Concen: 132.56 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.9	37.3
84	81.9	66.6	100.0

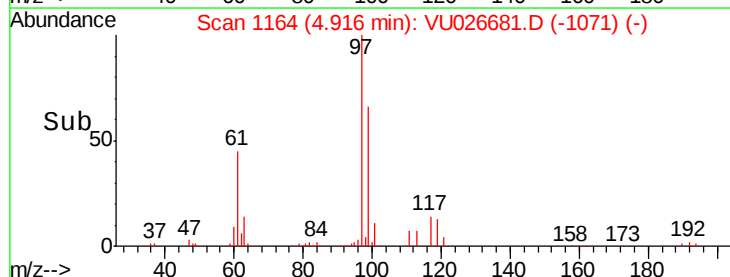
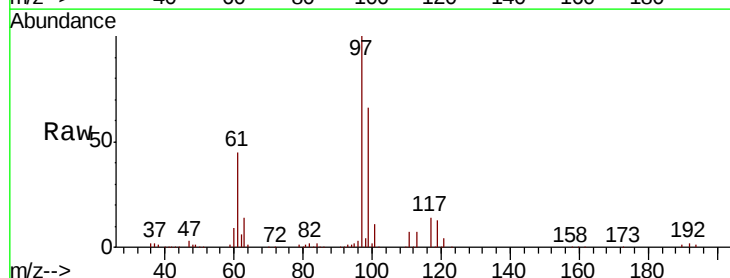
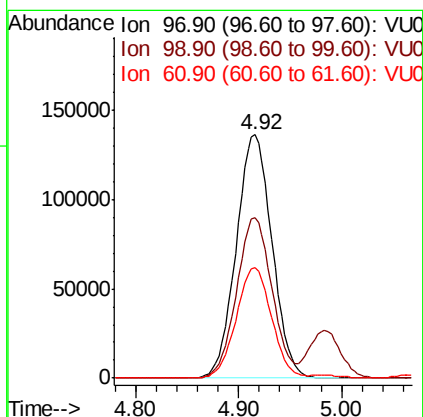
Manual Integrations
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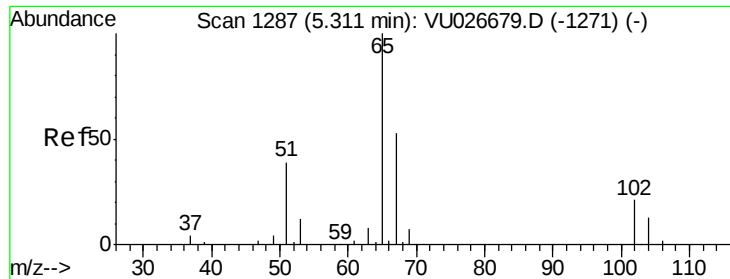
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 153.66 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.2
61	44.9	36.8	55.2





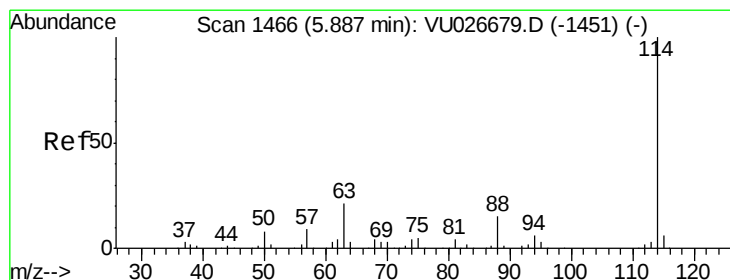
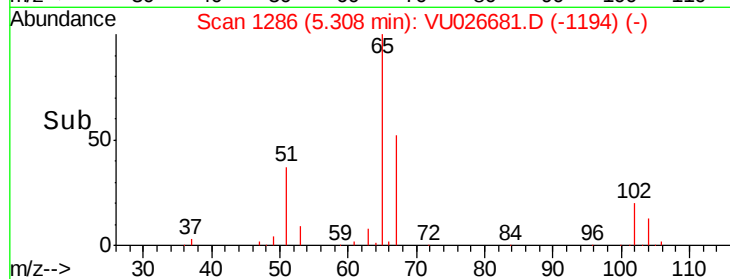
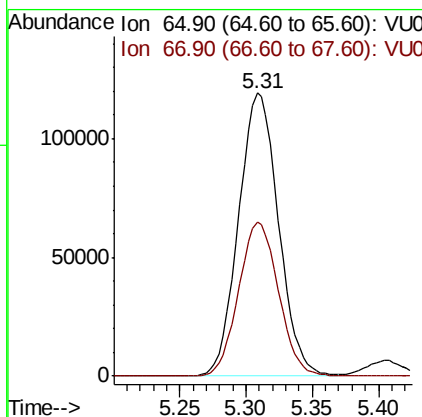
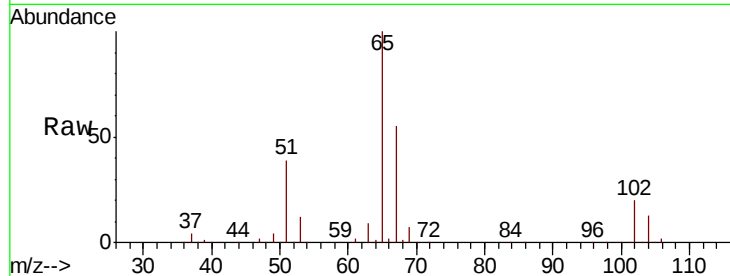
#33
 1,2-Dichloroethane-d4
 Concen: 152.71 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	250092		
67	54.4	0.0	106.4	

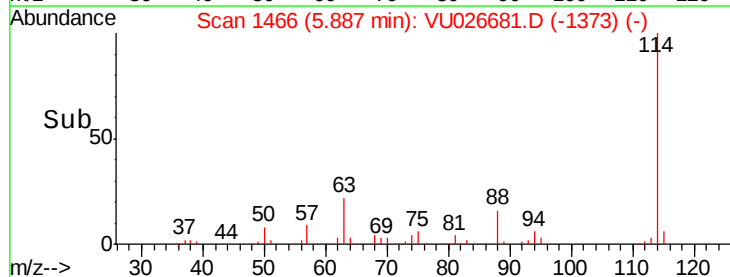
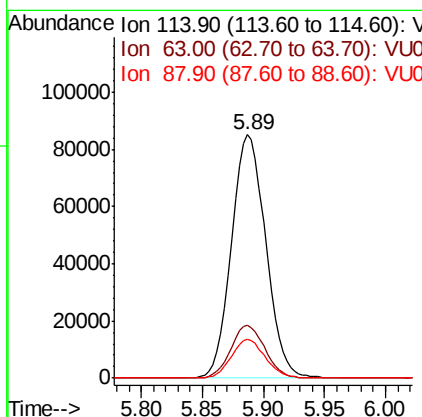
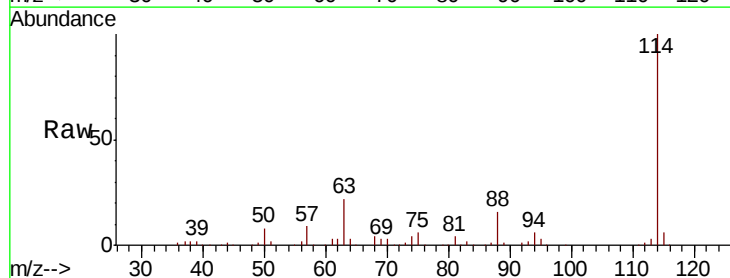
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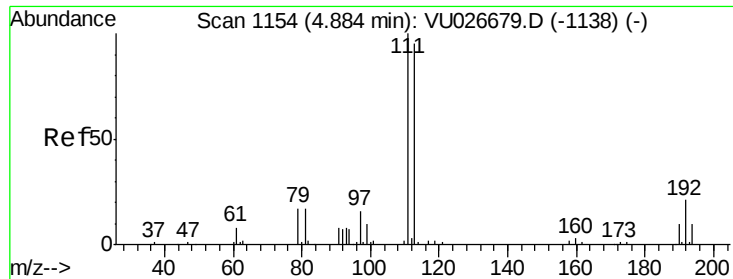
MMDadoda
 9/13/2018 4:48:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	166355		
63	21.8	0.0	41.4	
88	15.8	0.0	30.8	





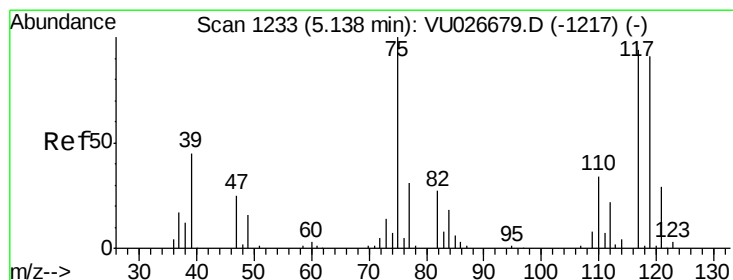
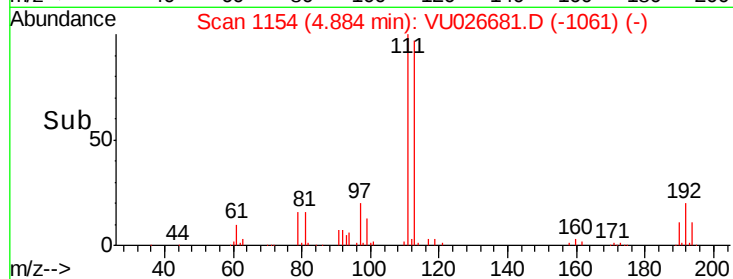
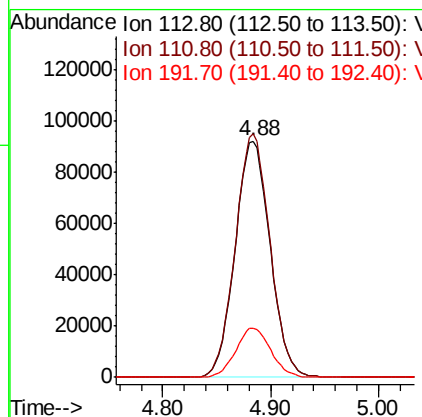
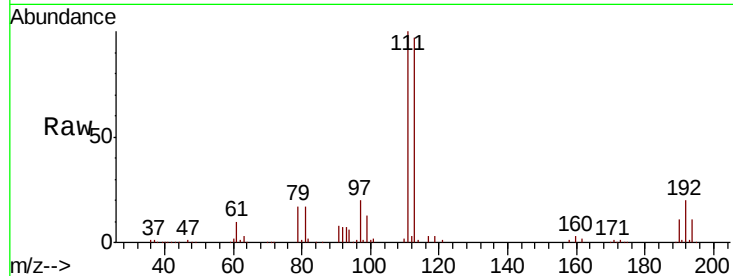
#35
 Dibromofluoromethane
 Concen: 153.64 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208476		
111	102.1	83.1	124.7	
192	20.9	17.4	26.2	

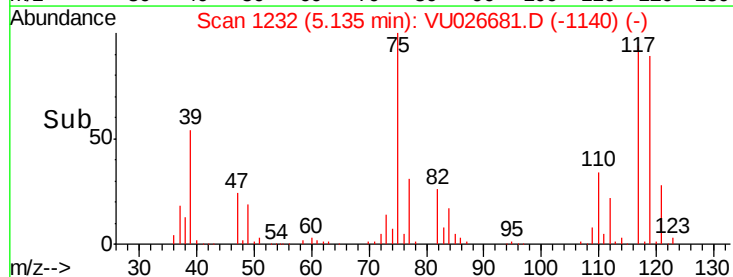
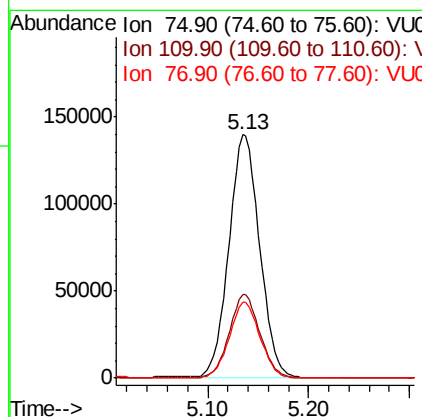
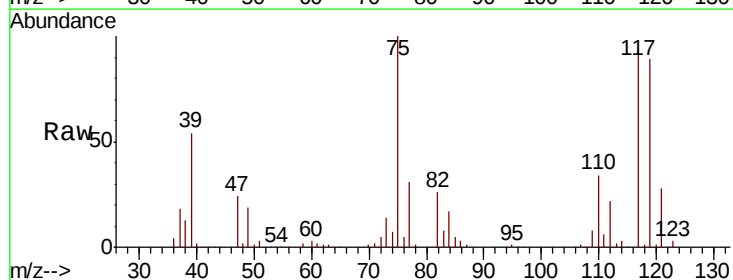
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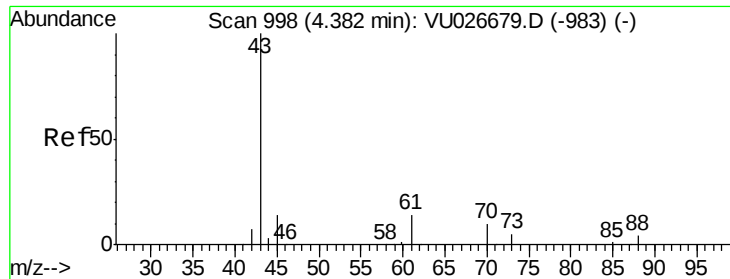
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#36
 1,1-Dichloropropene
 Concen: 159.05 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	297057		
110	34.4	17.3	51.9	
77	31.2	24.9	37.3	





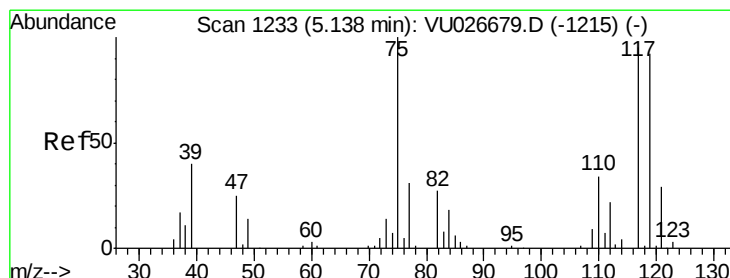
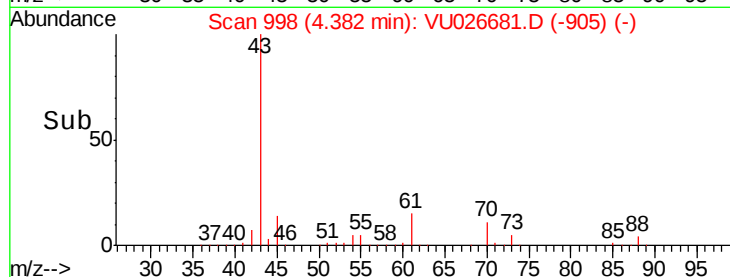
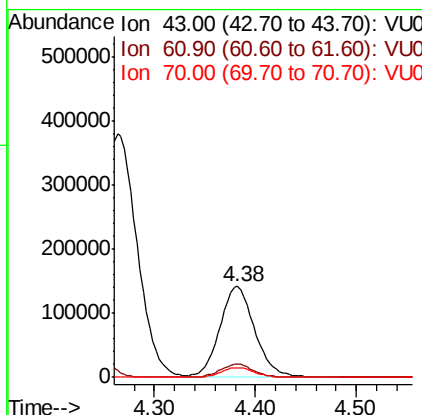
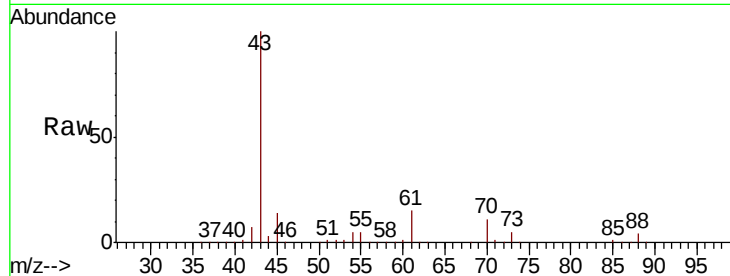
#37
Ethyl Acetate
Concen: 151.31 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:	43	Resp:	339839
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.3	7.8	11.8

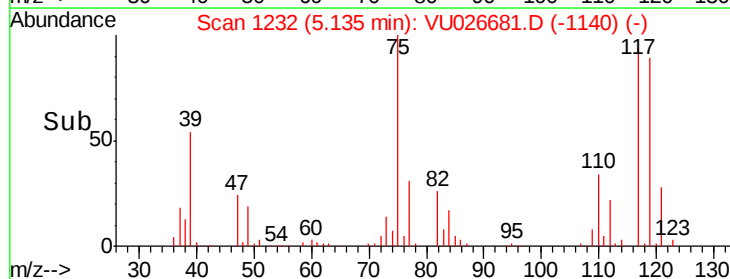
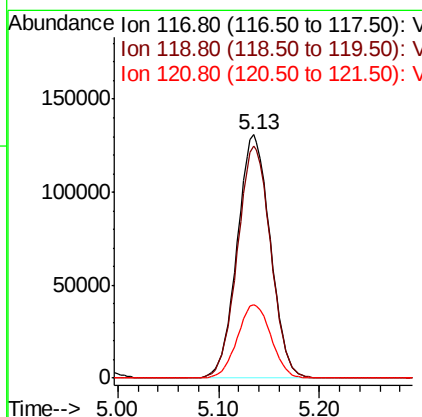
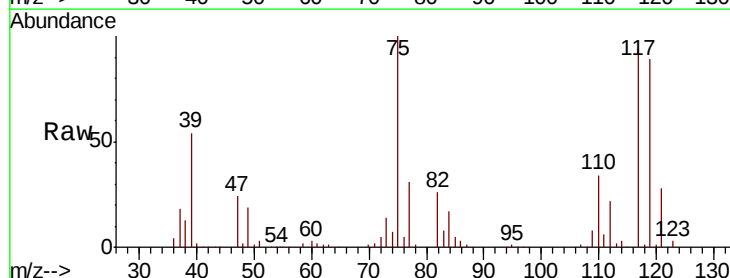
Manual Integrations
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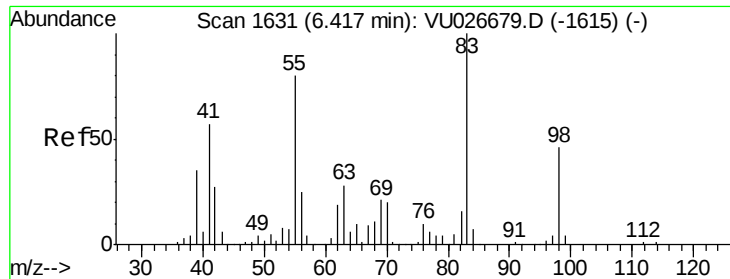
MMDadoda
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#38
Carbon Tetrachloride
Concen: 150.80 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion:	117	Resp:	297575
Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.8
121	30.4	25.0	37.4





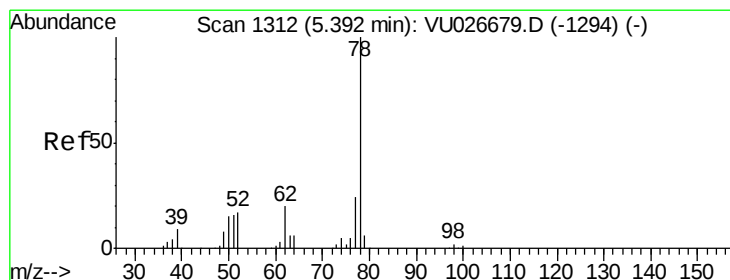
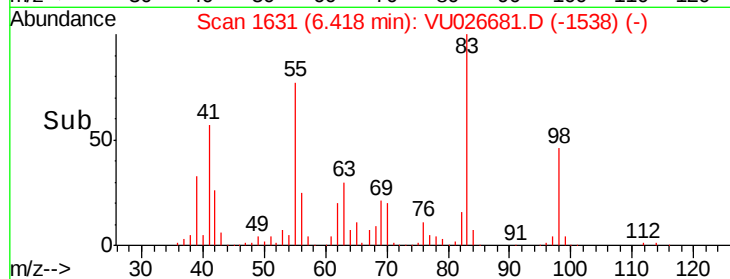
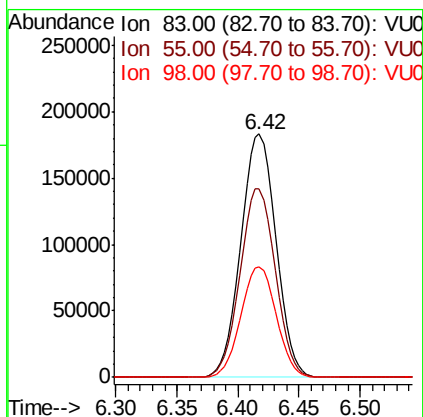
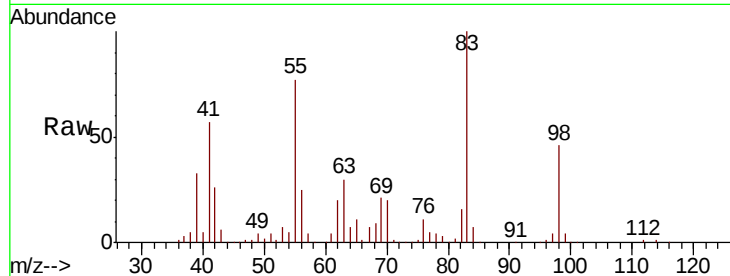
#39
Methylvlcyclohexane
Concen: 164.74 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	365331		
55	77.3	63.8	95.6	
98	45.6	37.2	55.8	

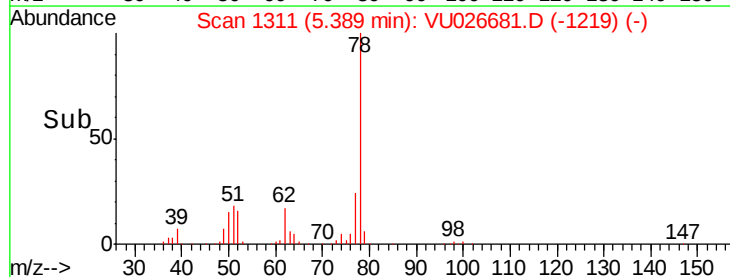
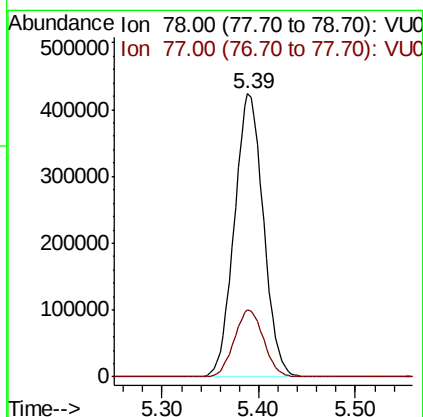
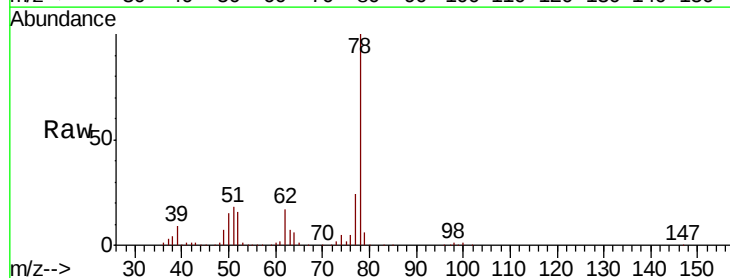
Manual Integrations
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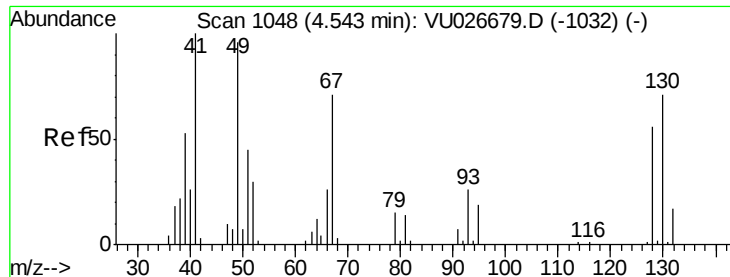
MMDadoda
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#40
Benzene
Concen: 151.90 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	881087		
77	23.7	19.5	29.3	





#41

Methacrylonitrile

Concen: 164.18 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 191397
Ion Ratio Lower Upper

41 100

39 53.3 42.9 64.3

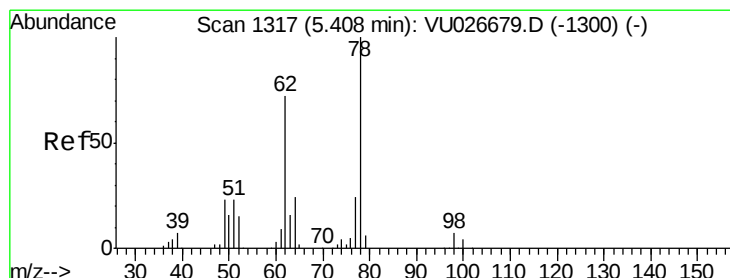
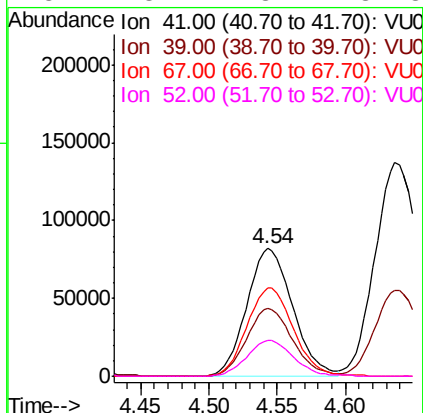
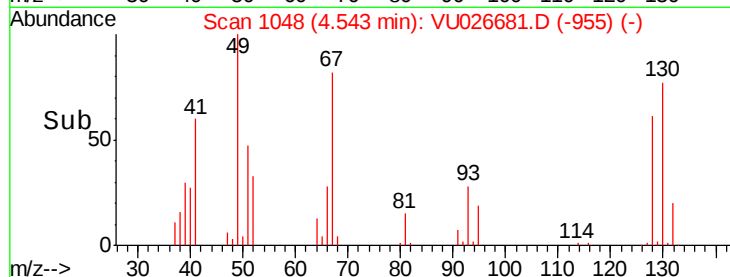
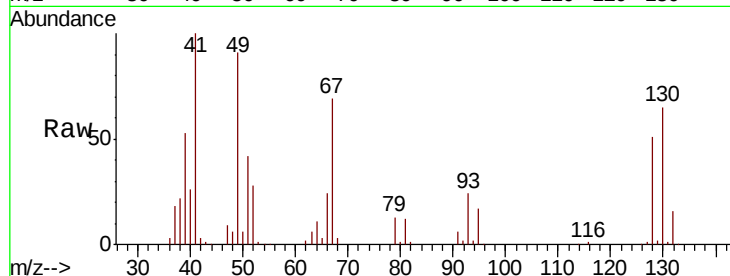
67 70.4 56.6 84.8

52 28.1 23.2 34.8

Manual Integrations
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MMDadoda

9/13/2018 4:48:56 PM



#42

1,2-Dichloroethane

Concen: 149.88 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

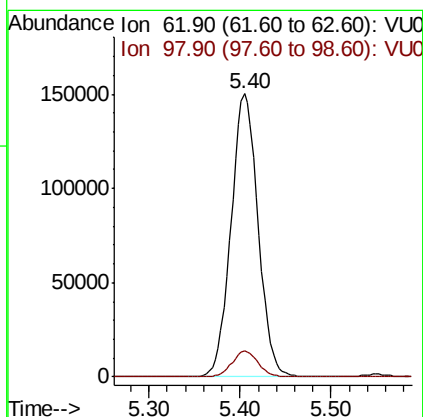
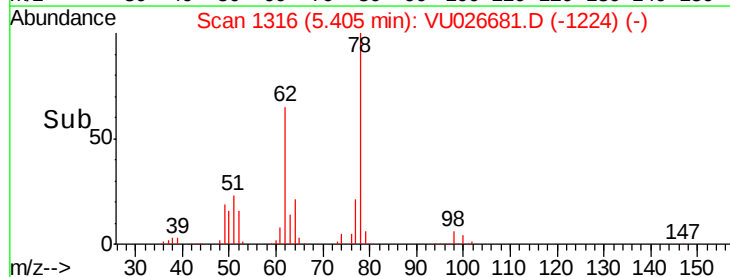
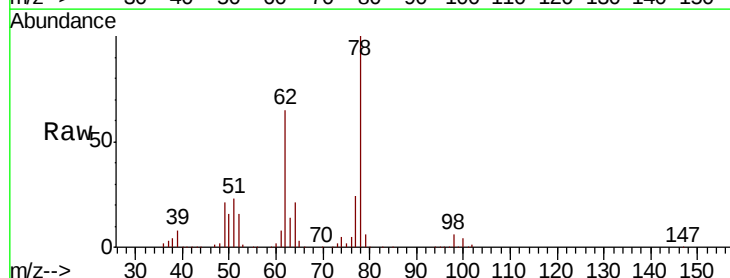
Lab File: VU026681.D

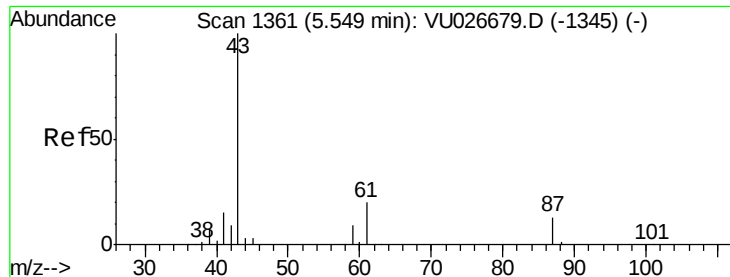
Acq: 11 Sep 2018 12:30

Tgt Ion: 62 Resp: 309995
Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.8





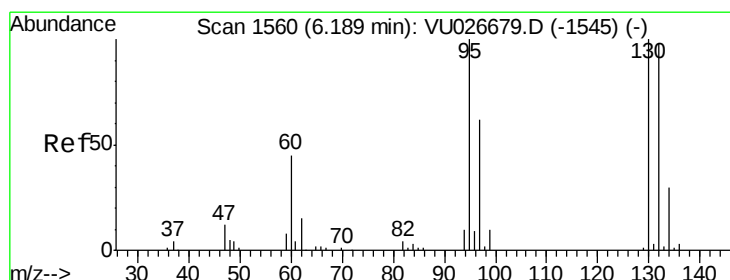
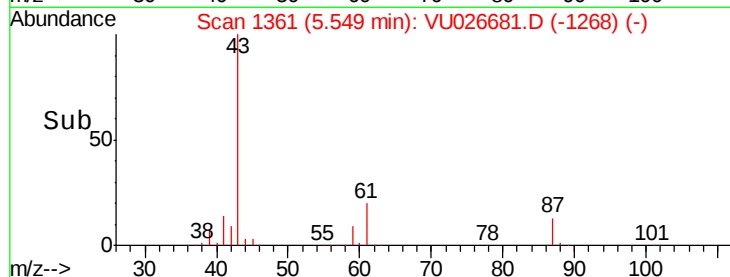
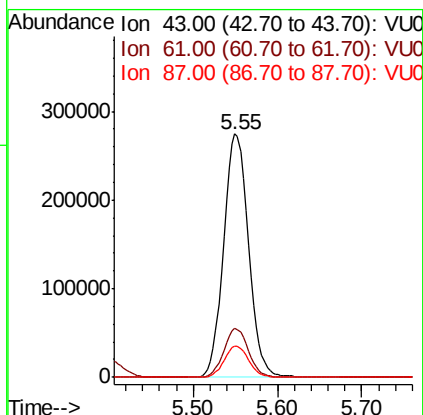
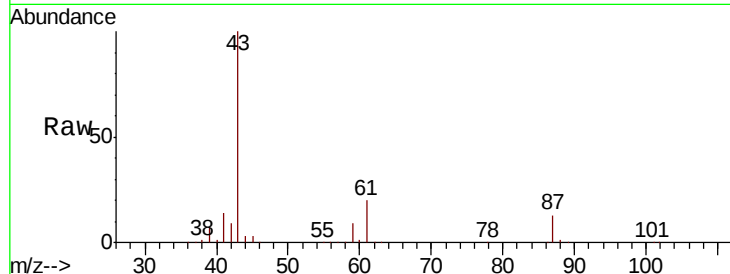
#43
Isopropyl Acetate
Concen: 164.48 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.0	24.0
87	12.7	10.1	15.1

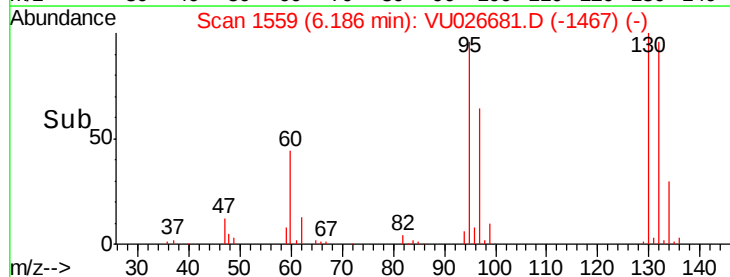
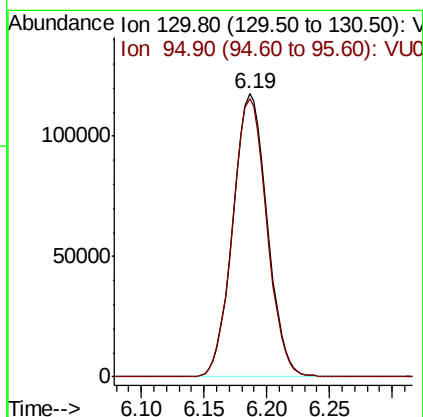
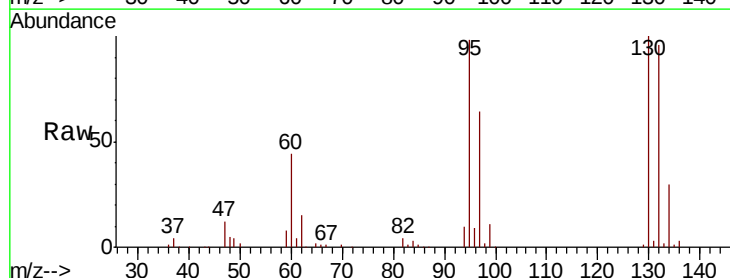
Manual Integrations
APPROVED

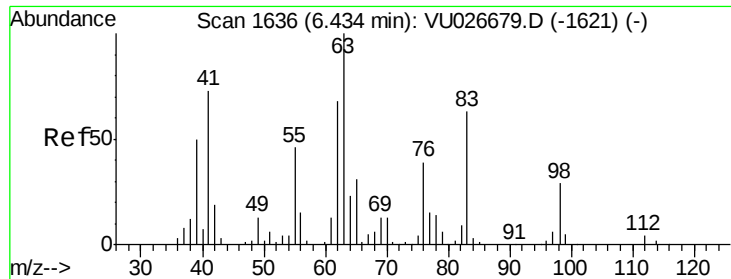
MMDadoda
9/13/2018 4:48:56 PM



#44
Trichloroethene
Concen: 155.63 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	199.4





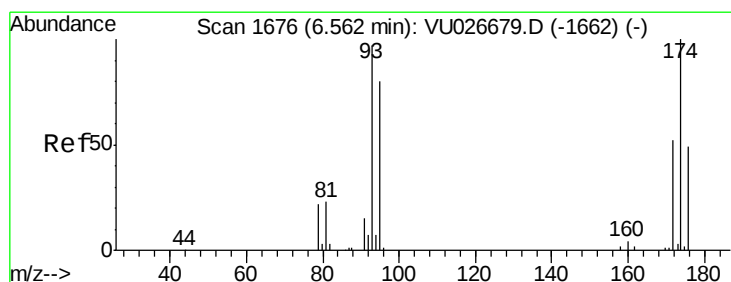
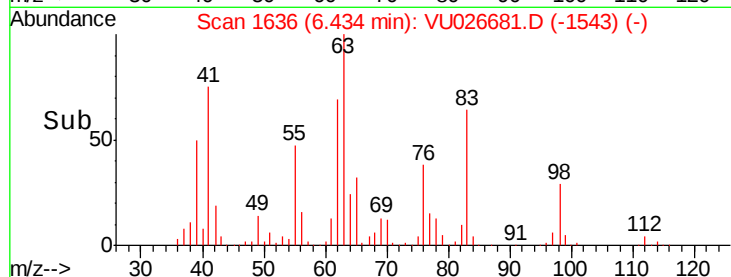
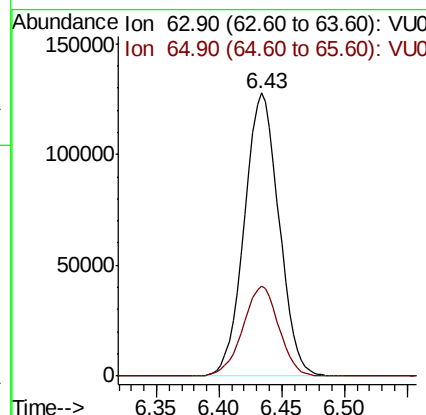
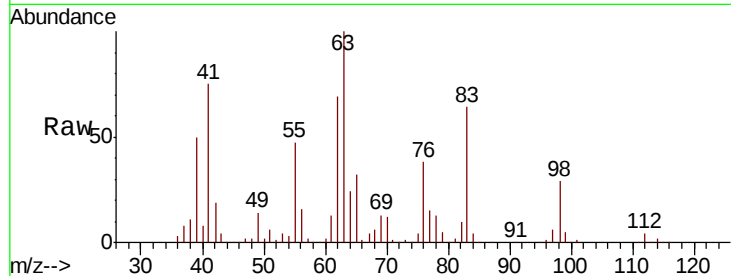
#45
 1,2-Dichloropropane
 Concen: 155.19 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.4

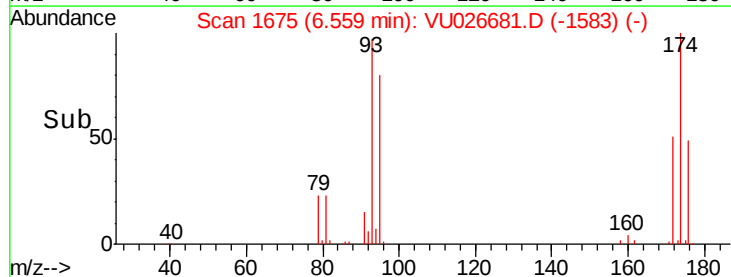
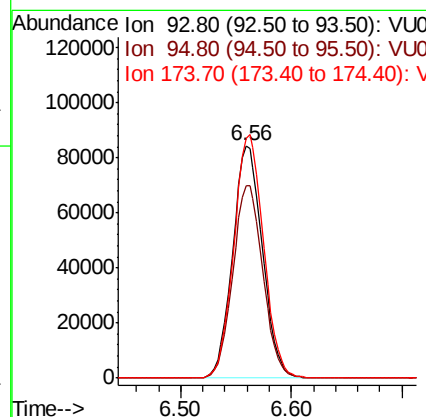
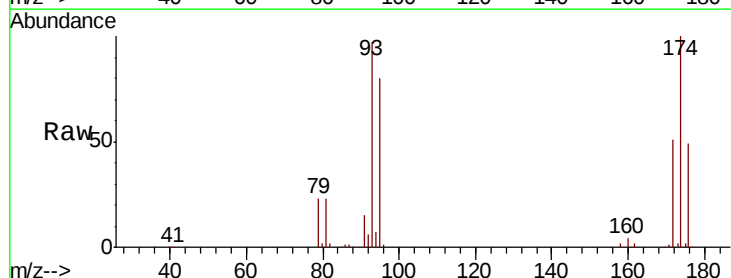
Manual Integrations
 APPROVED

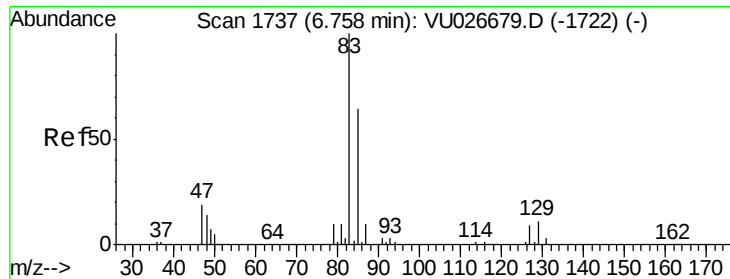
MMDadoda
 9/13/2018 4:48:56 PM



#46
 Dibromomethane
 Concen: 155.45 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.4	98.2
174	104.5	81.6	122.4





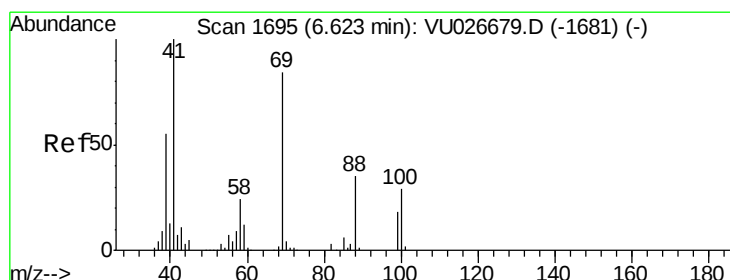
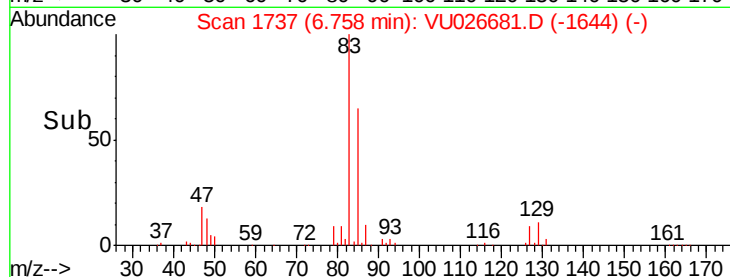
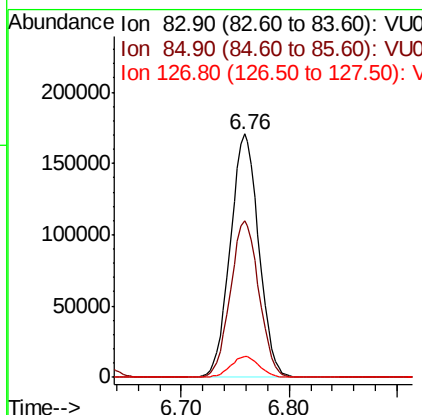
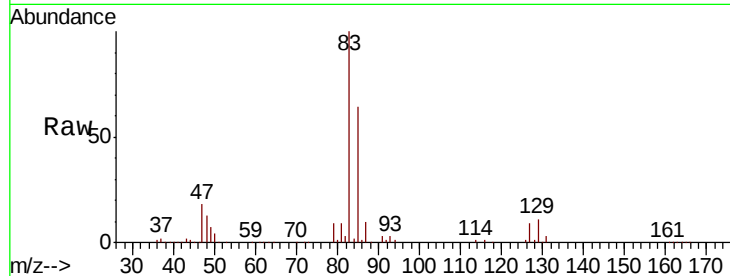
#47
Bromodichloromethane
Concen: 156.65 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	313873		
85	64.3		51.1	76.7
127	8.7		6.9	10.3

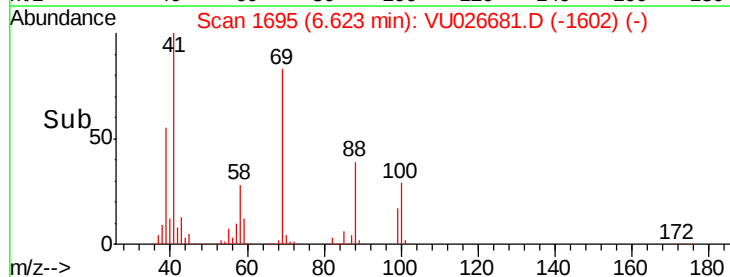
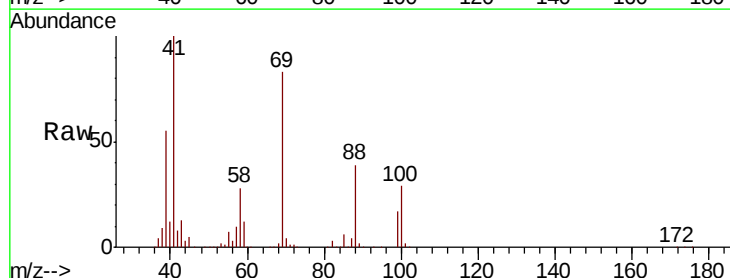
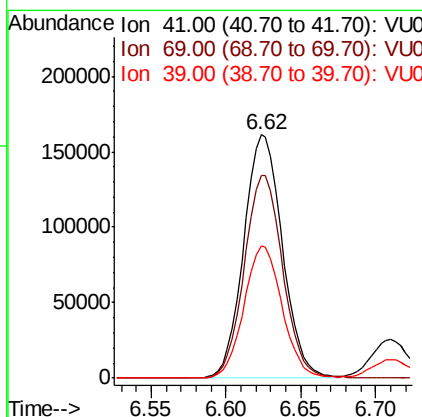
Manual Integrations
APPROVED

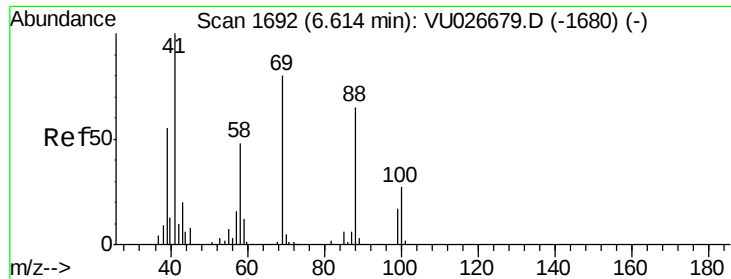
MMDadoda
9/13/2018 4:48:56 PM



#48
Methyl methacrylate
Concen: 172.27 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	290709		
69	83.3		66.6	99.8
39	53.6		43.6	65.4





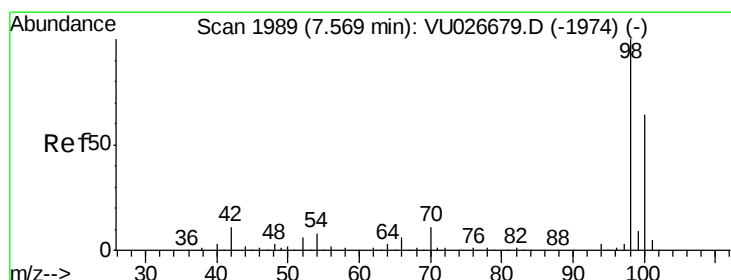
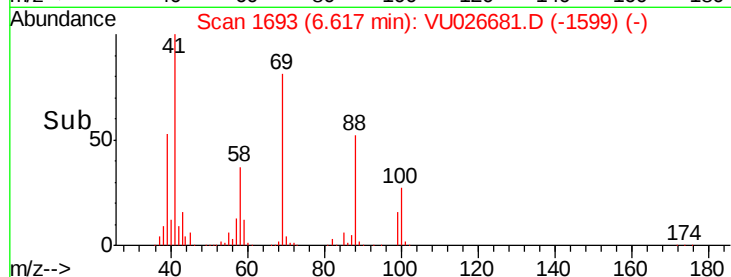
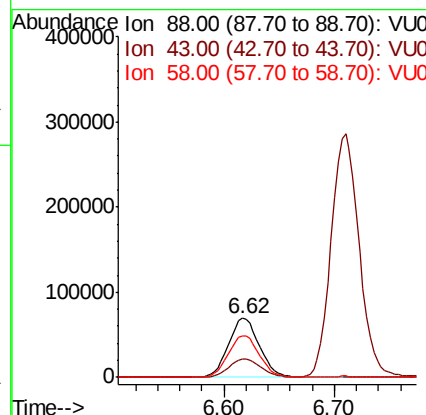
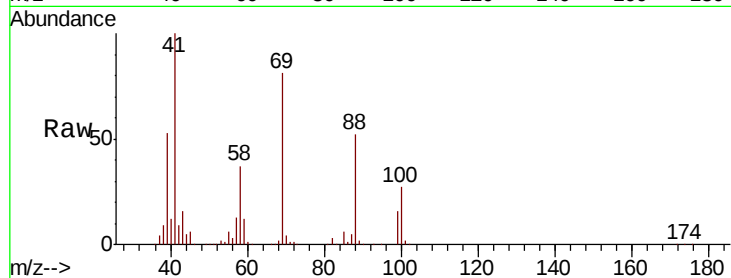
#49
1,4-Dioxane
Concen: 3399.85 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.4	25.5	38.3	
58	72.4	58.2	87.4	

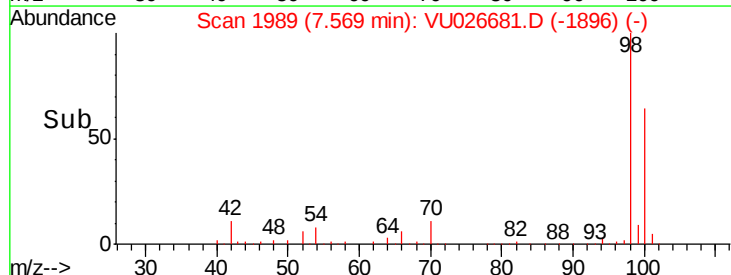
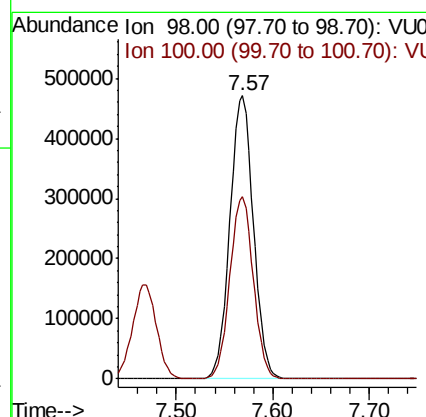
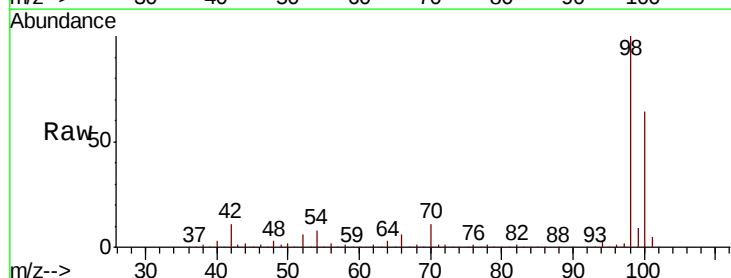
Manual Integrations
APPROVED

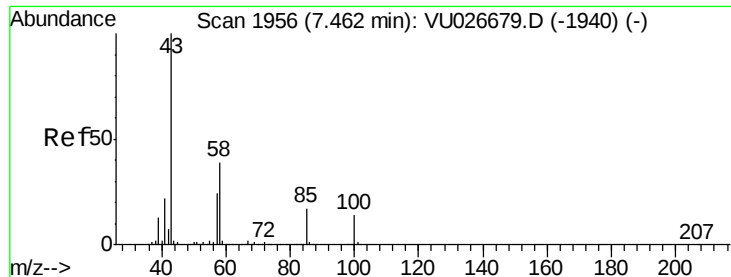
MMDadoda
9/13/2018 4:48:56 PM



#50
Toluene-d8
Concen: 158.40 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.1	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 857.06 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1960549

Ion Ratio Lower Upper

43 100

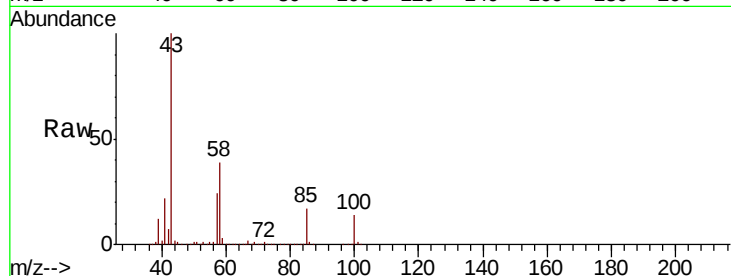
58 39.1 31.1 46.7

Manual Integrations

APPROVED

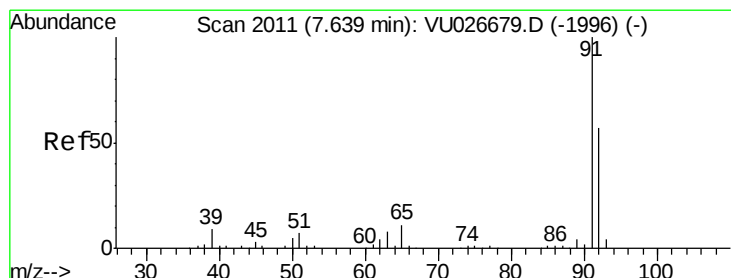
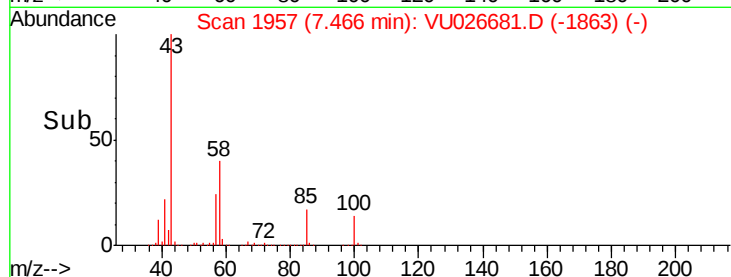
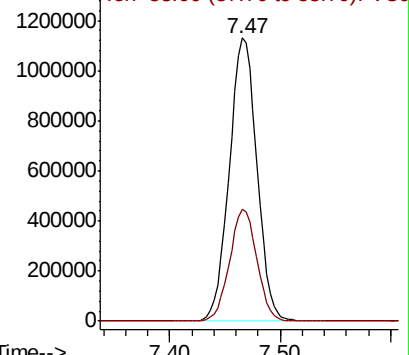
MMDadoda

9/13/2018 4:48:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 161.36 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026681.D

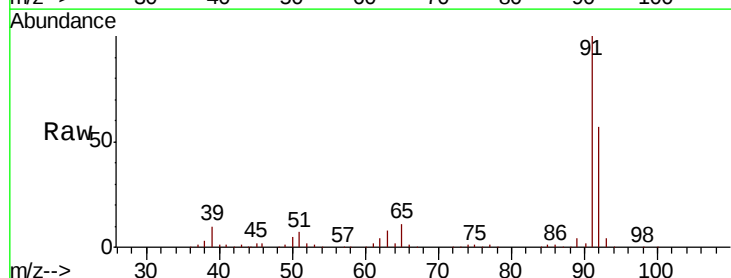
Acq: 11 Sep 2018 12:30

Tgt Ion: 92 Resp: 557519

Ion Ratio Lower Upper

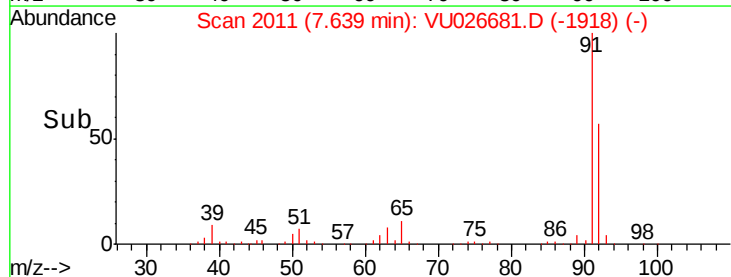
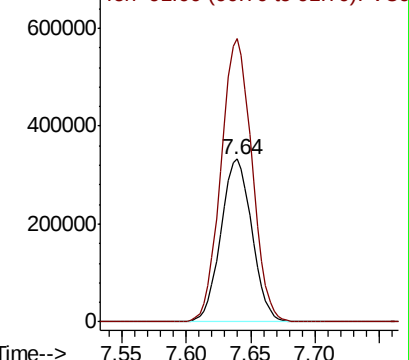
92 100

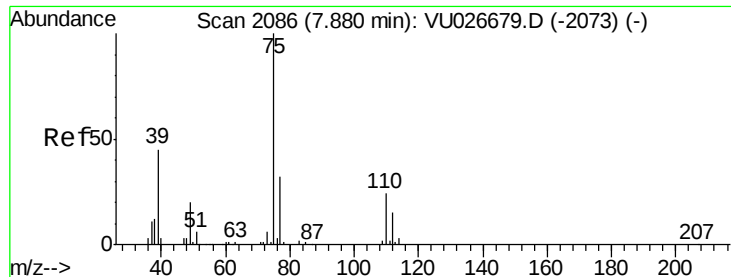
91 173.6 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





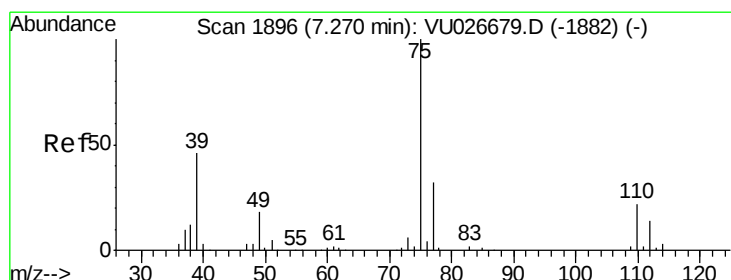
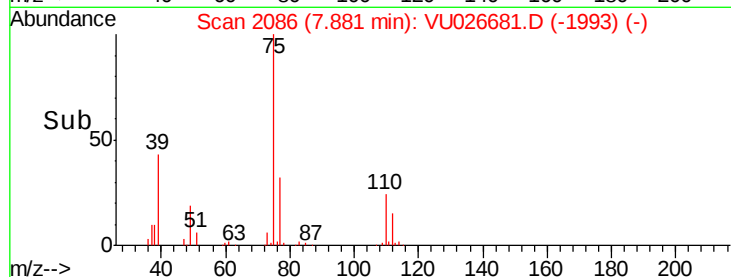
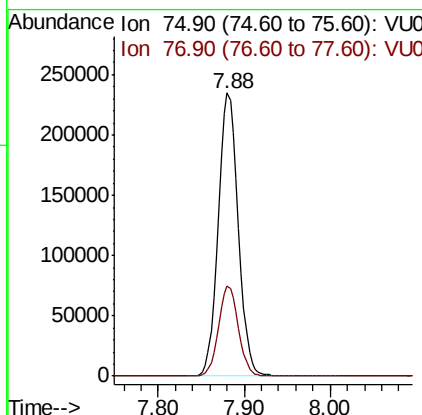
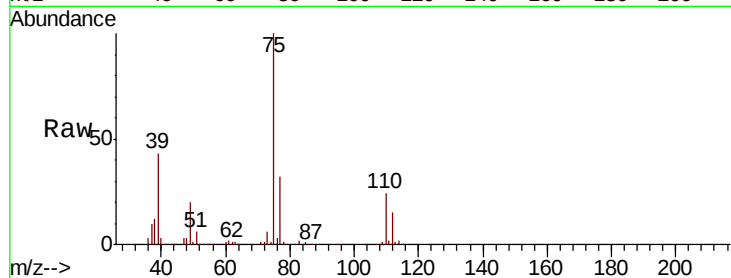
#53
t-1,3-Dichloropropene
Concen: 170.62 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 379210
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8

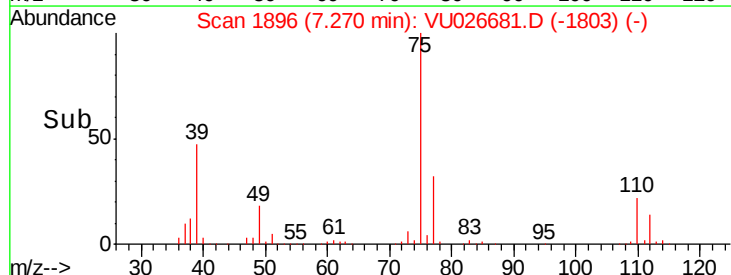
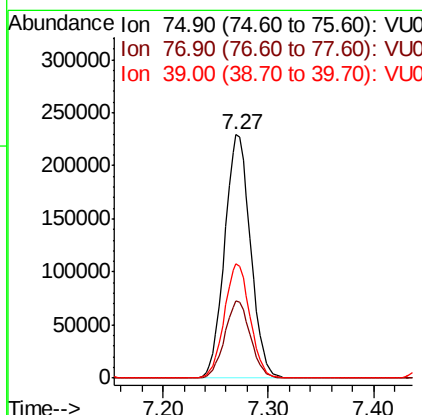
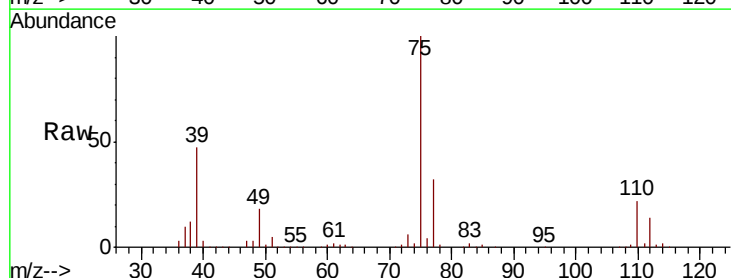
Manual Integrations
APPROVED

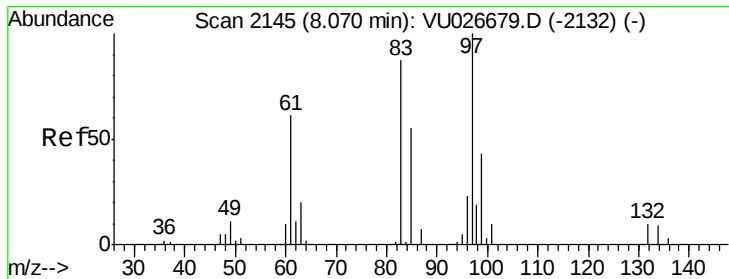
MMDadoda
9/13/2018 4:48:56 PM



#54
cis-1,3-Dichloropropene
Concen: 162.53 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 75 Resp: 387883
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 47.2 37.0 55.6





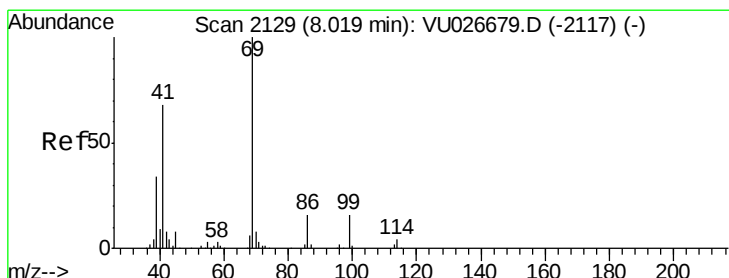
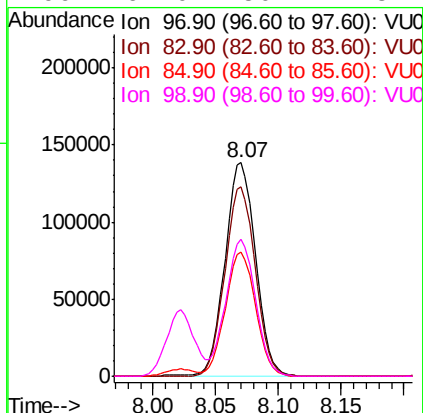
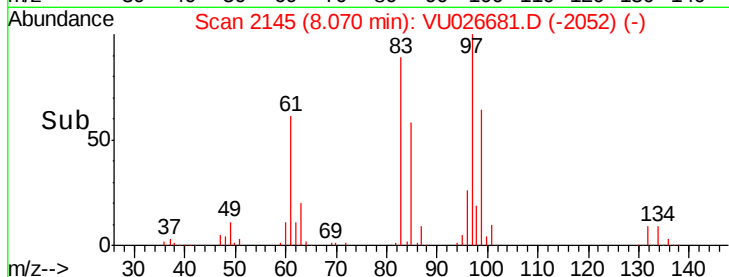
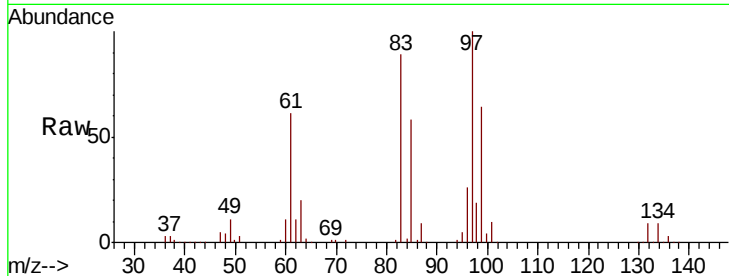
#55
 1,1,2-Trichloroethane
 Concen: 157.79 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	233577
Ion Ratio	Lower	Upper	
97	100		
83	88.7	69.3	103.9
85	58.1	45.9	68.9
99	64.0	50.1	75.1

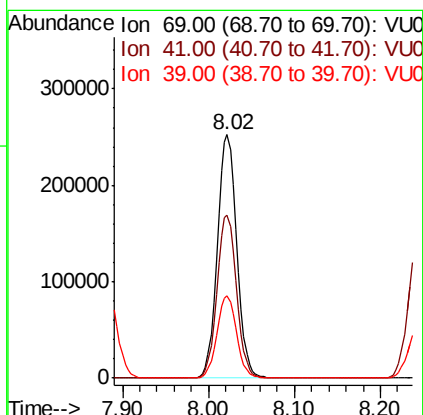
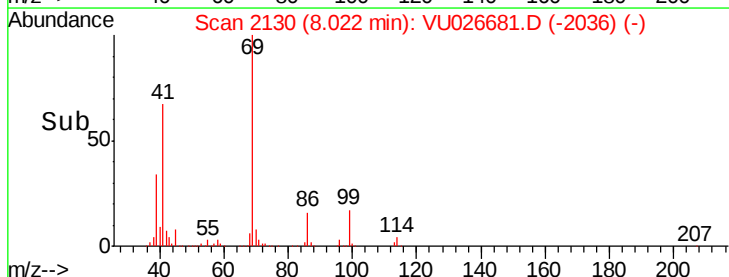
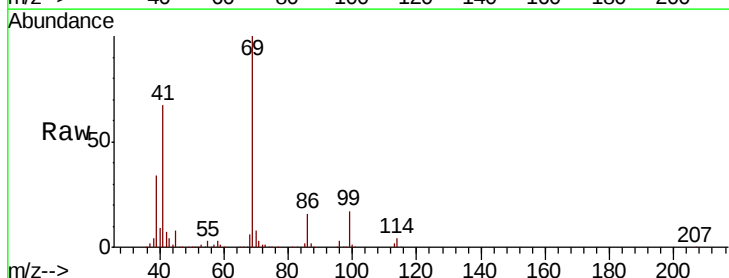
Manual Integrations
 APPROVED

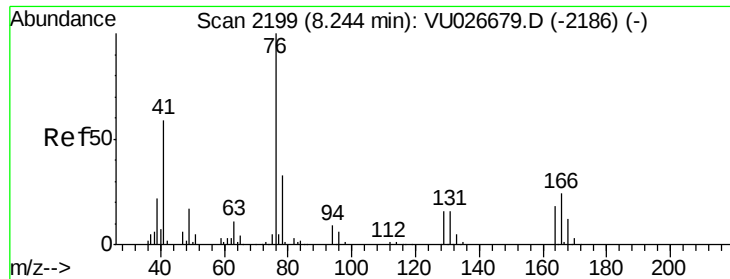
MMDadoda
 9/13/2018 4:48:56 PM



#56
 Ethyl methacrylate
 Concen: 183.10 ug/l
 RT: 8.02 min Scan# 2130
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion:	69	Resp:	395752
Ion Ratio	Lower	Upper	
69	100		
41	67.4	54.2	81.2
39	34.2	28.4	42.6





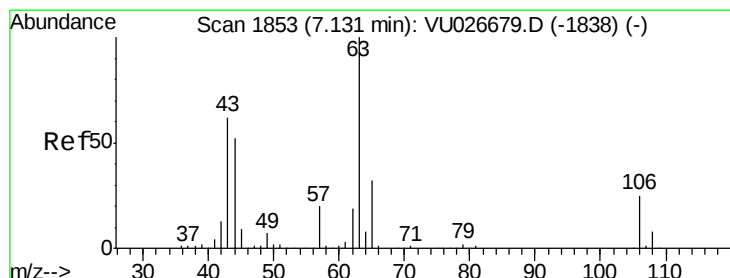
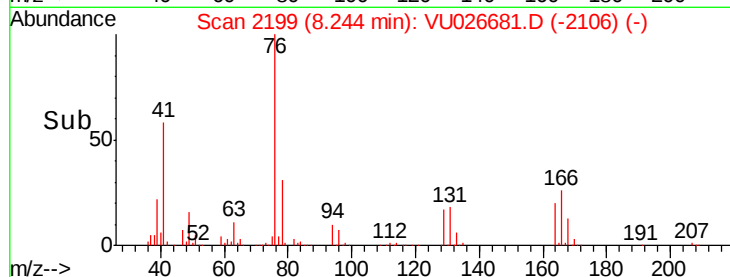
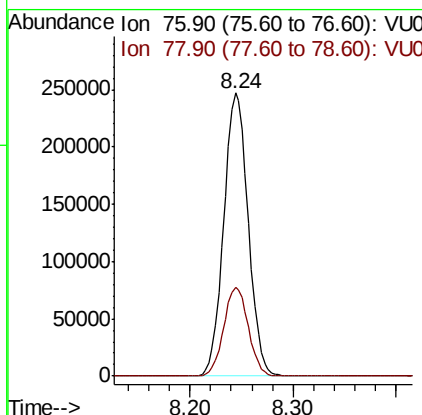
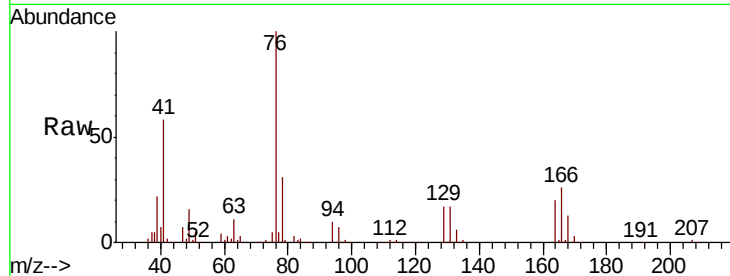
#57
 1,3-Dichloropropane
 Concen: 161.70 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 407995
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.0 39.0

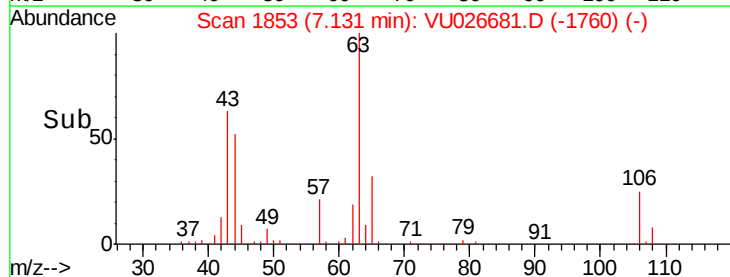
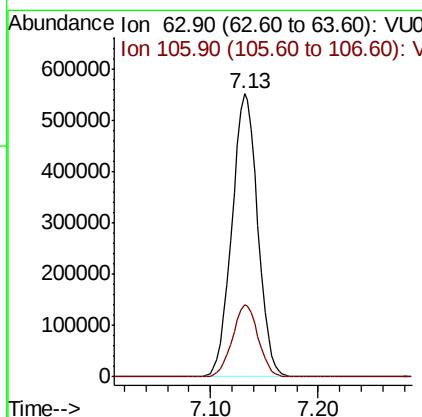
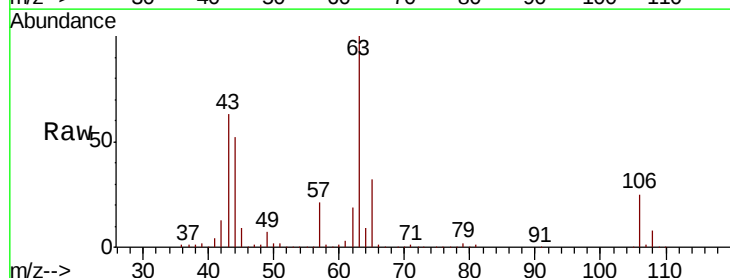
Manual Integrations
 APPROVED

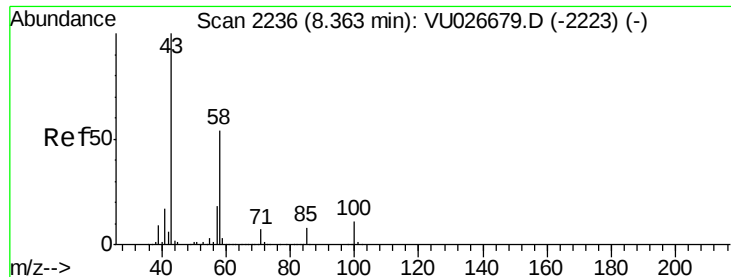
MMDadoda
 9/13/2018 4:48:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 865.01 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion: 63 Resp: 921700
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.5 30.7





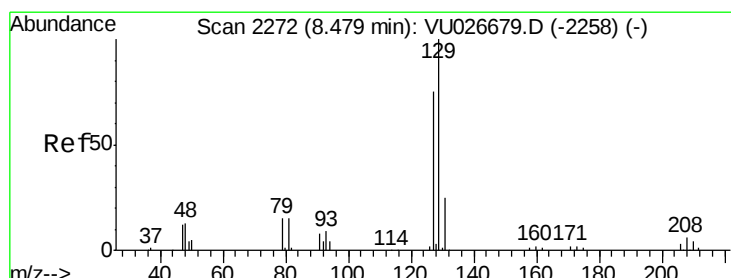
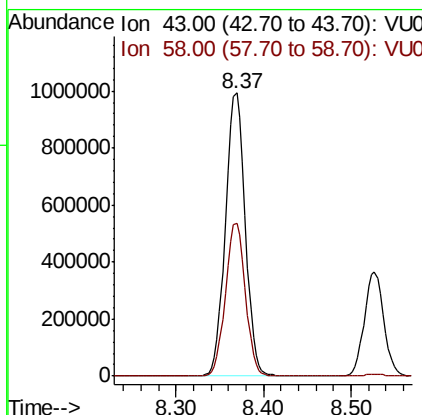
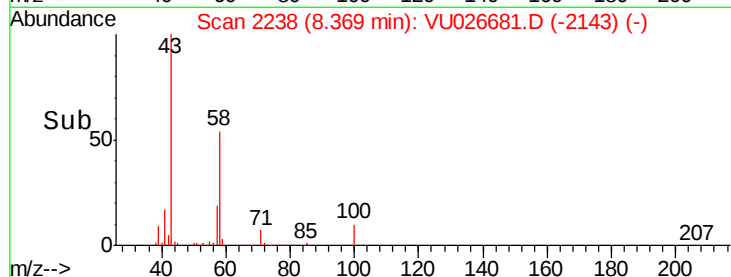
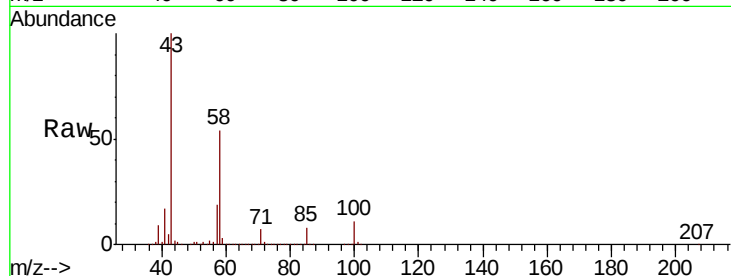
#59
2-Hexanone
Concen: 870.07 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1566380
Ion Ratio Lower Upper
43 100
58 54.3 26.9 80.7

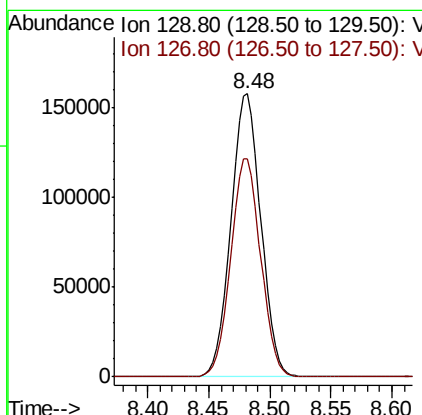
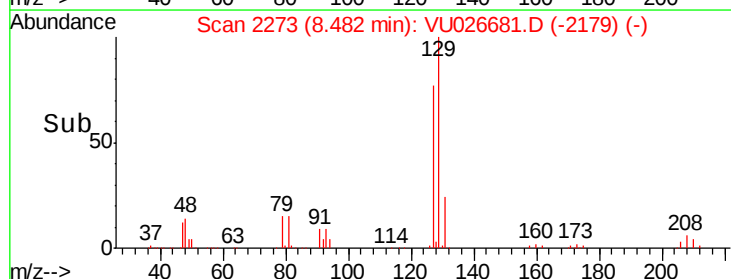
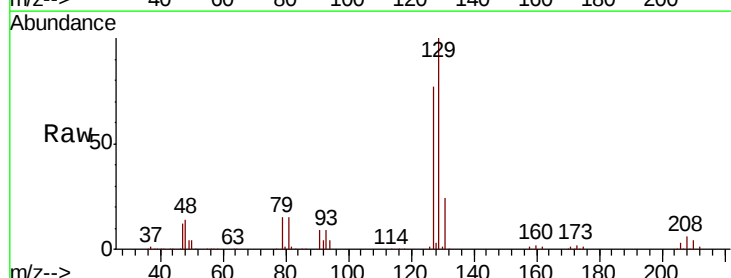
Manual Integrations
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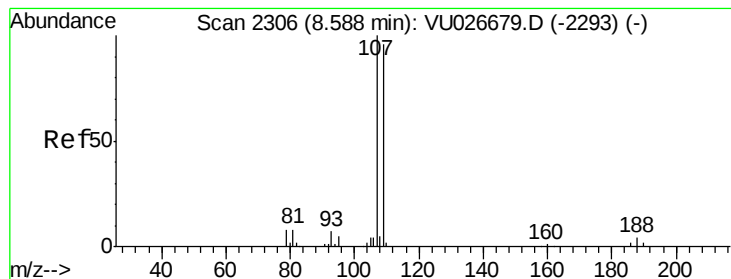
MMDadoda
9/13/2018 4:48:56 PM



#60
Dibromochloromethane
Concen: 167.58 ug/l
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 129 Resp: 268666
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 159.24 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 255769

Ion Ratio Lower Upper

107 100

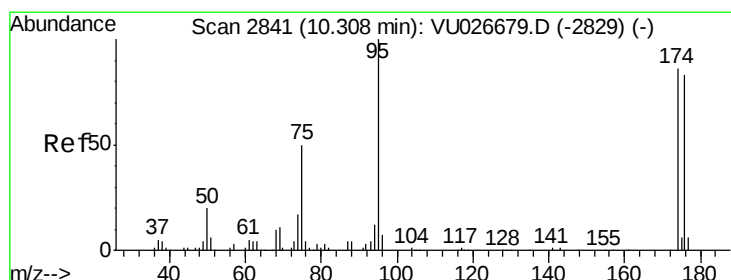
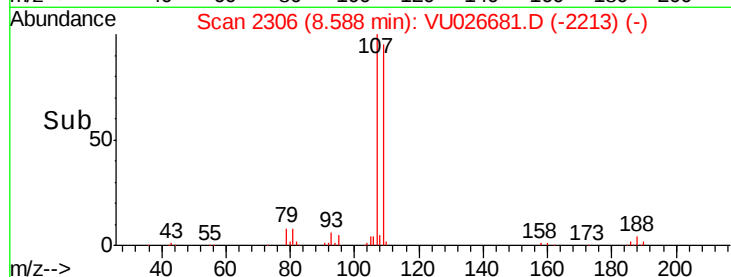
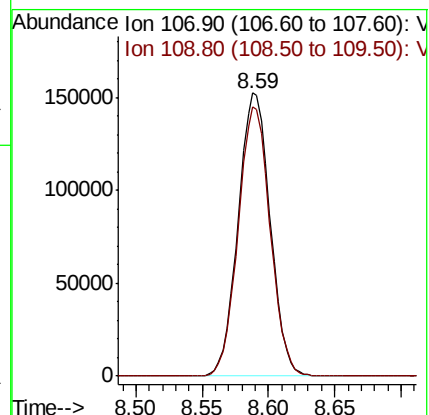
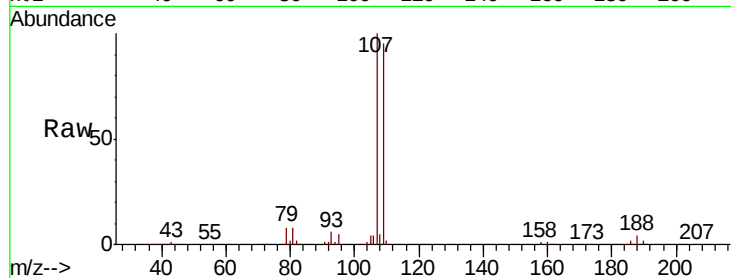
109 95.0 75.7 113.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 177.29 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

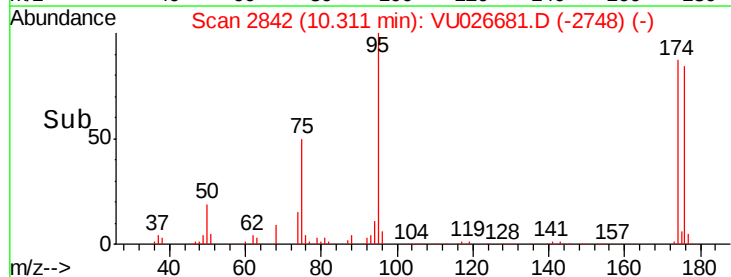
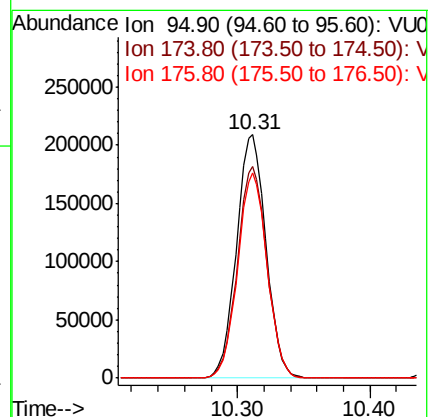
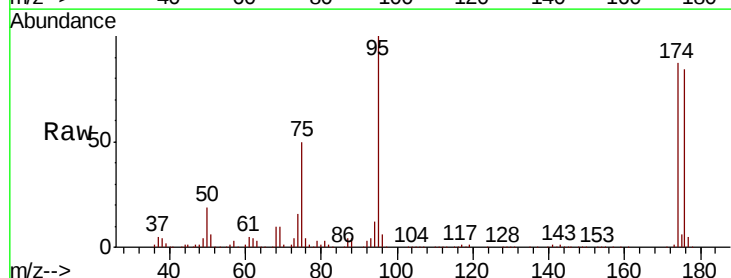
Tgt Ion: 95 Resp: 322476

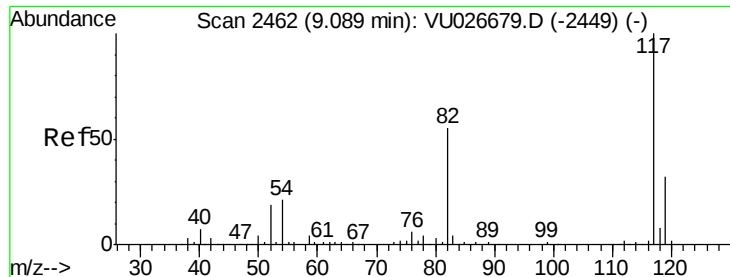
Ion Ratio Lower Upper

95 100

174 86.9 0.0 172.8

176 84.2 0.0 168.6





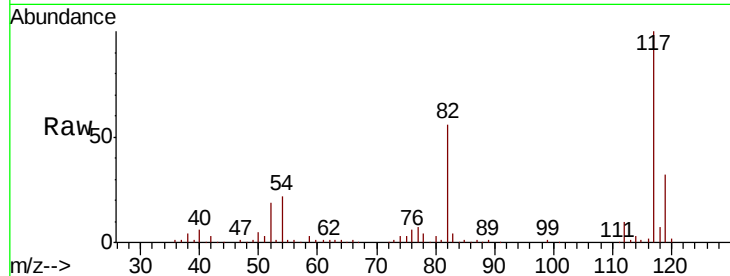
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	168814		
82	56.0	44.1	66.1	
119	32.2	25.7	38.5	

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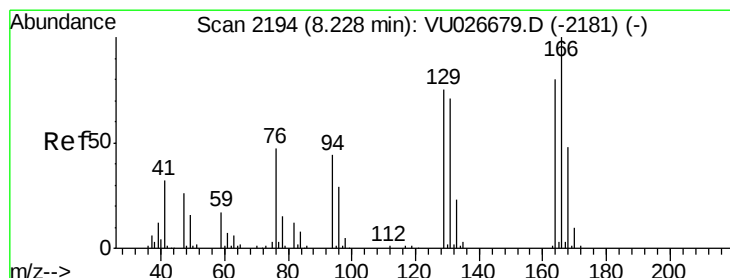
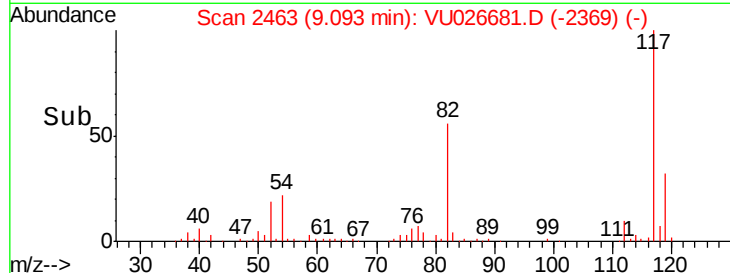
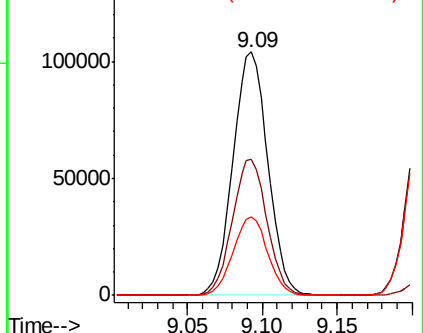


Abundance

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: 146.37 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196662		
166	126.5	100.5	150.7	
129	93.3	75.3	112.9	
131	88.4	71.4	107.2	

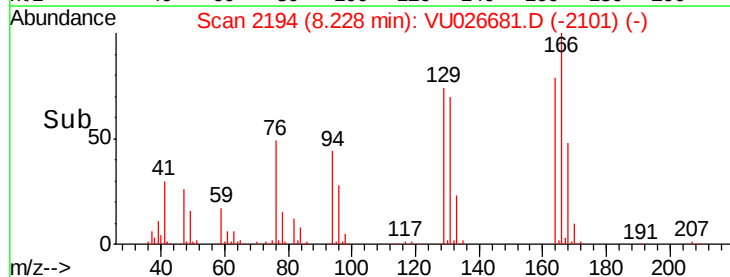
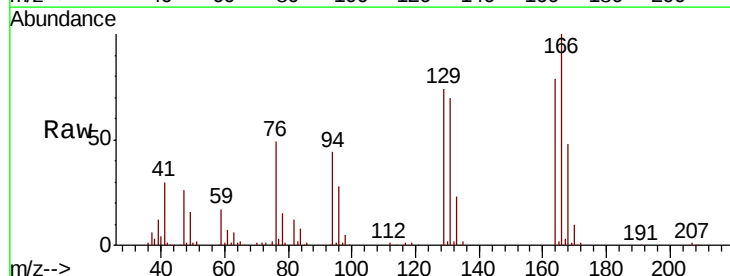
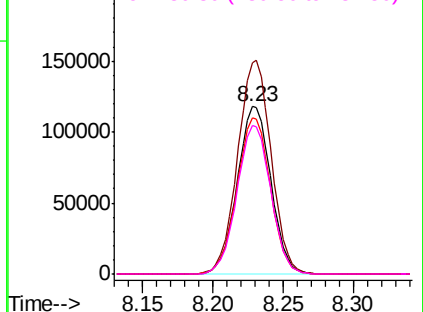
Abundance

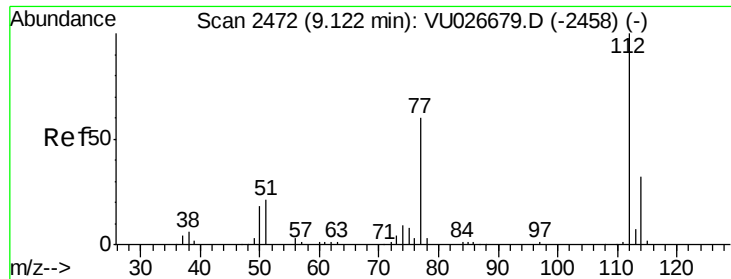
Ion 163.80 (163.50 to 164.50): V

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





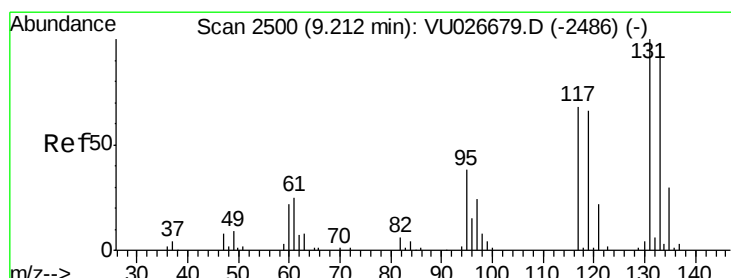
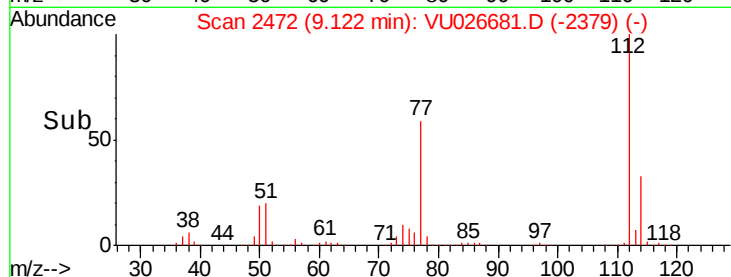
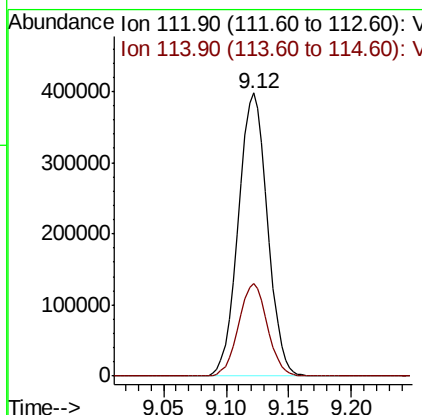
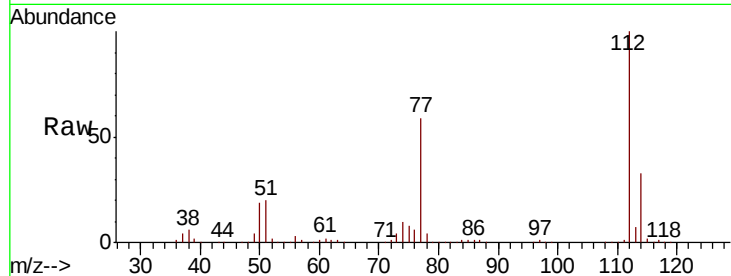
#65
Chlorobenzene
Concen: 153.02 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.5	38.3

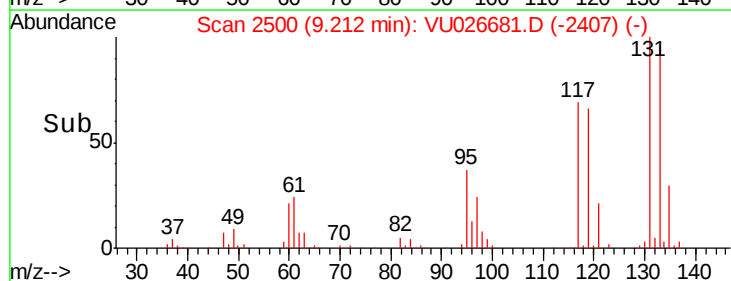
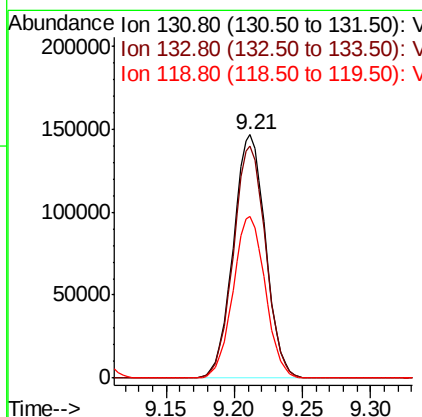
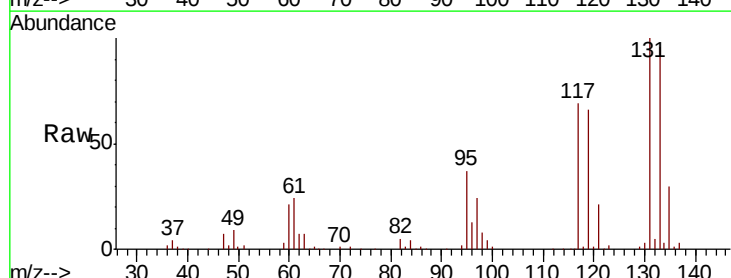
Manual Integrations
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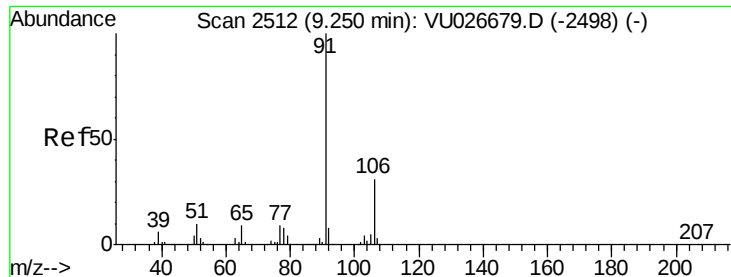
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#66
1,1,1,2-Tetrachloroethane
Concen: 156.07 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.9	146.6
119	66.1	32.7	98.1





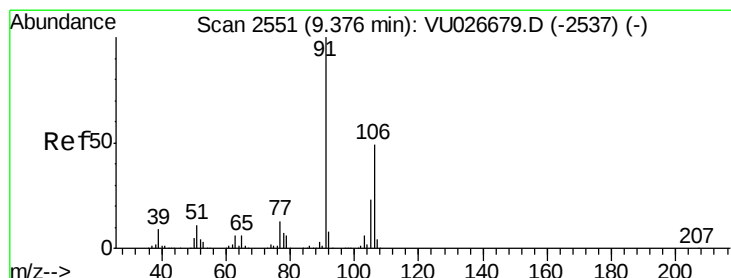
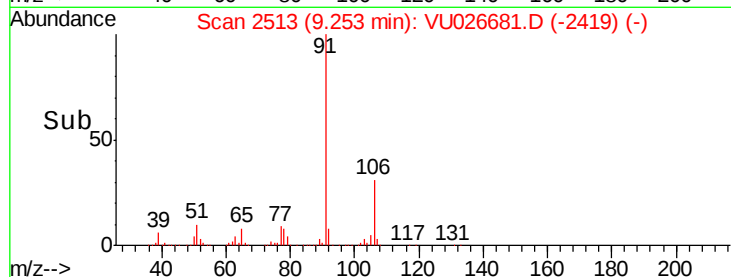
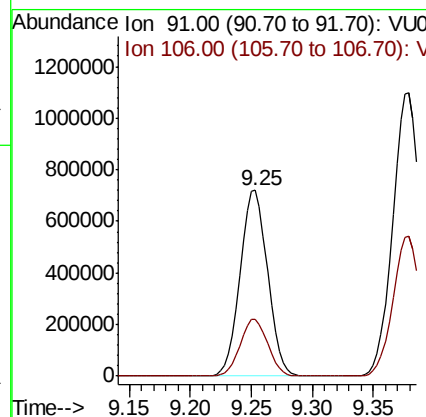
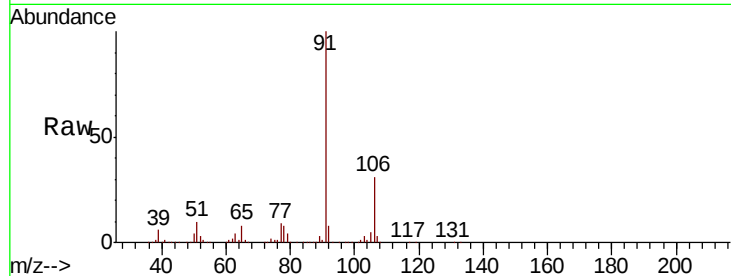
#67
Ethyl Benzene
Concen: 162.71 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1124142
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

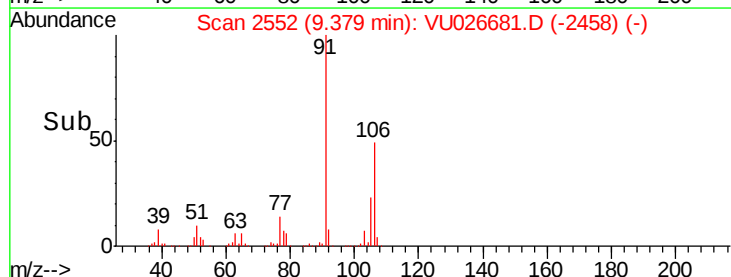
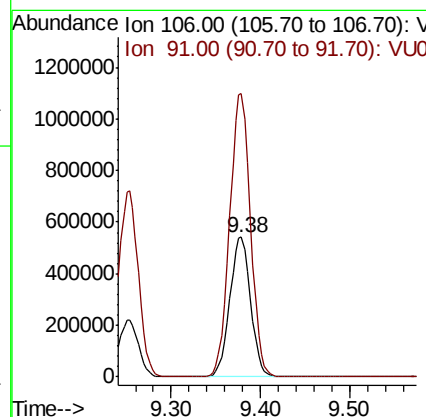
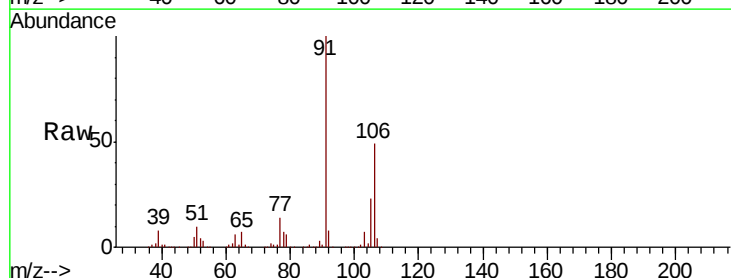
Manual Integrations
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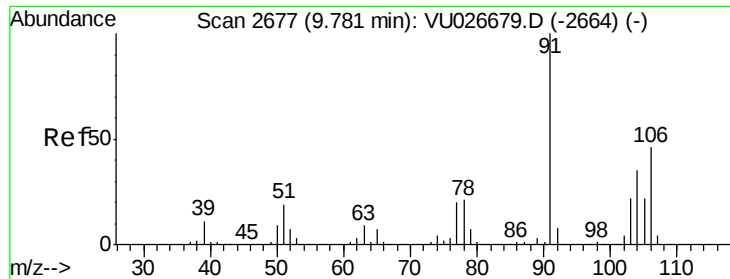
MMDadoda
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#68
m/p-Xylenes
Concen: 331.76 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion:106 Resp: 871913
Ion Ratio Lower Upper
106 100
91 203.1 162.1 243.1





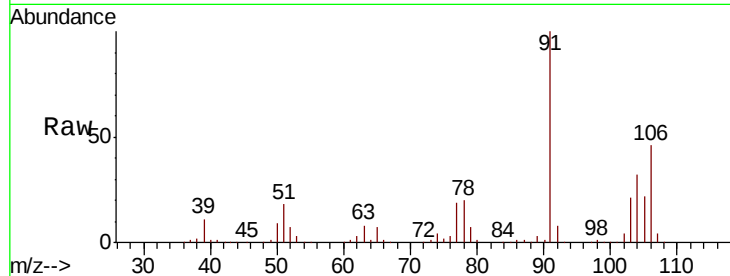
#69
o-Xylene
Concen: 168.43 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

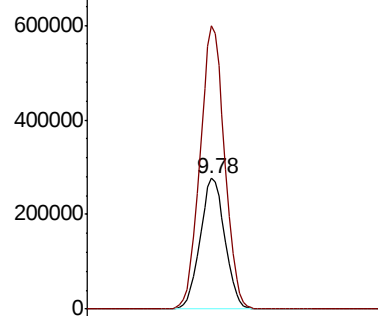
Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	106.9	320.8

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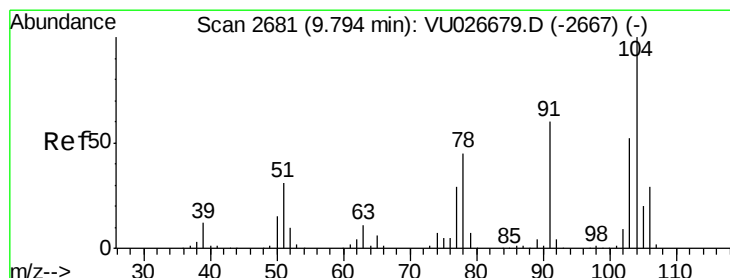
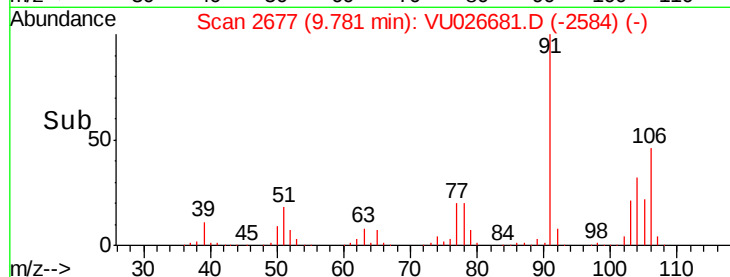
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

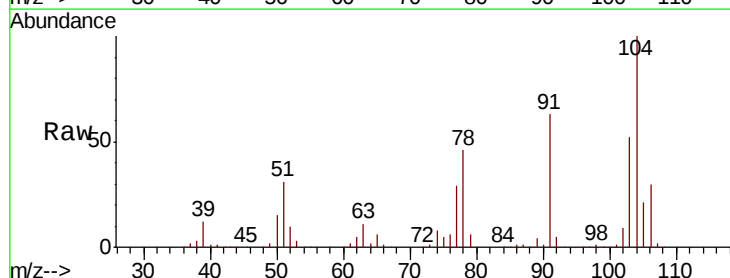


Time-->

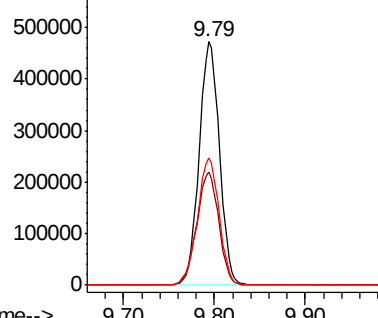


#70
Styrene
Concen: 175.27 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

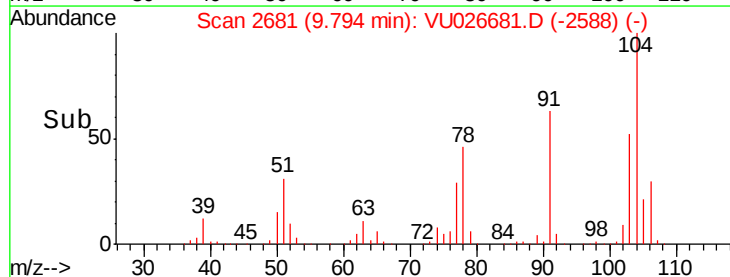
Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.4	59.2
103	55.5	44.5	66.7

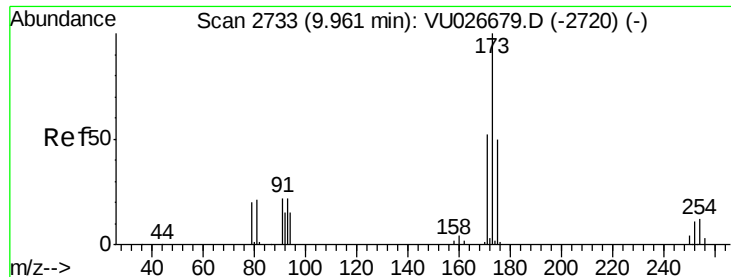


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 174.60 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 234329

Ion Ratio Lower Upper

173 100

175 49.2 24.7 74.1

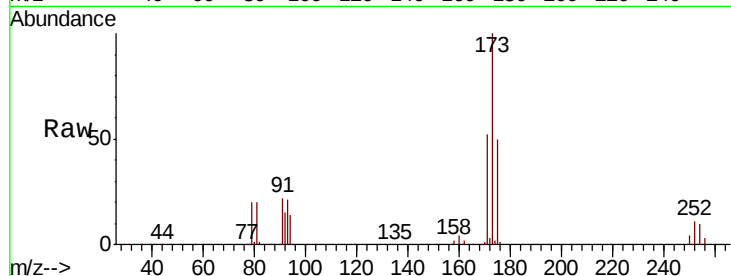
254 0.1 0.0 0.0#

Manual Integrations

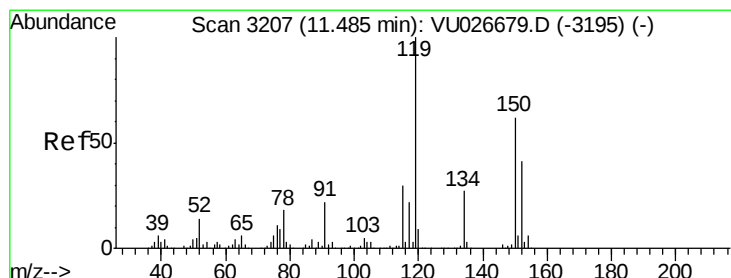
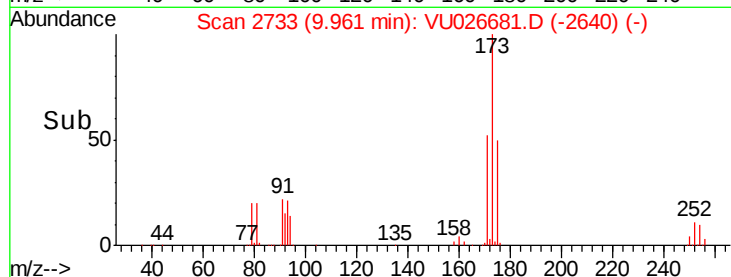
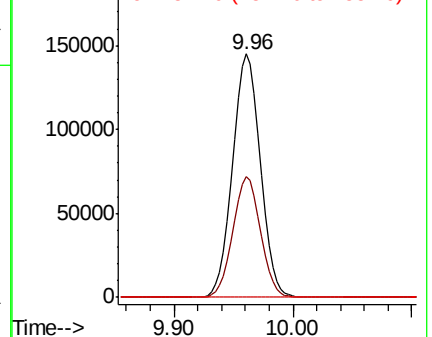
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

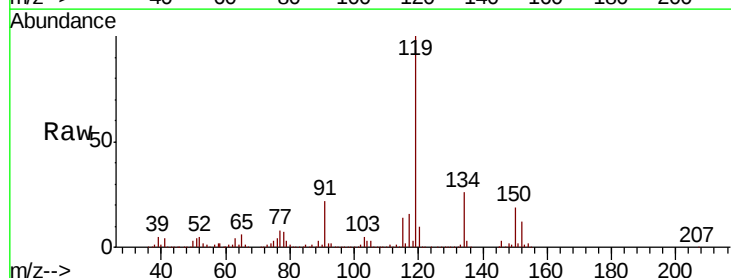
Tgt Ion:152 Resp: 110413

Ion Ratio Lower Upper

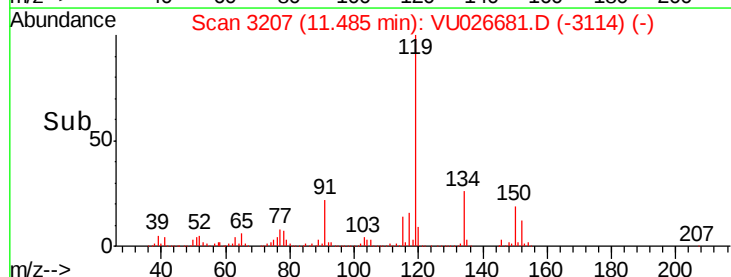
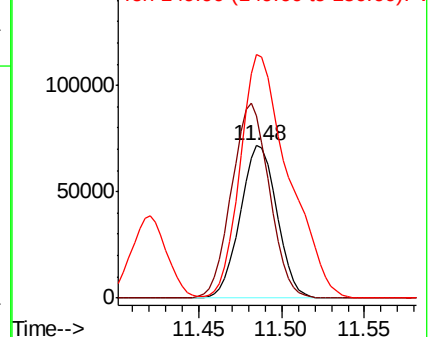
152 100

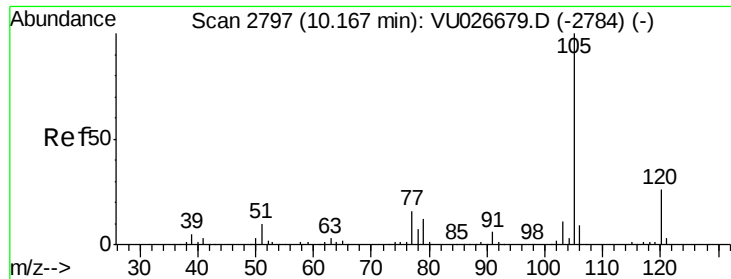
115 131.3 40.4 121.1#

150 211.0 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: 153.85 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1157548

Ion Ratio Lower Upper

105 100

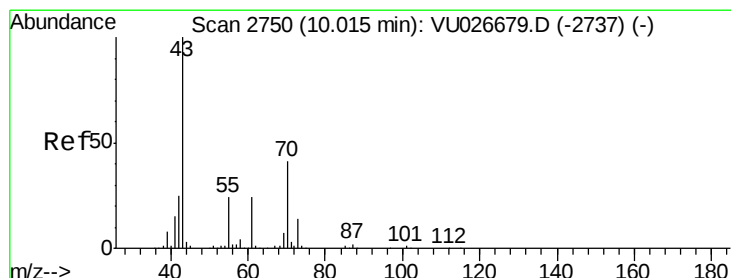
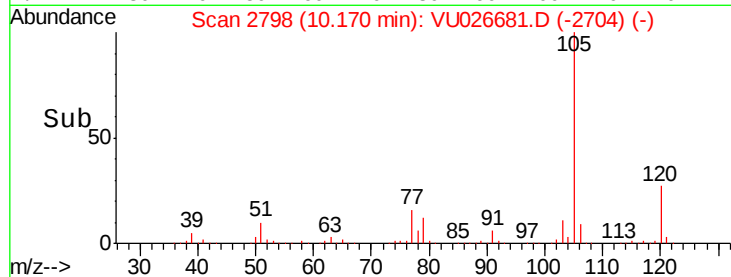
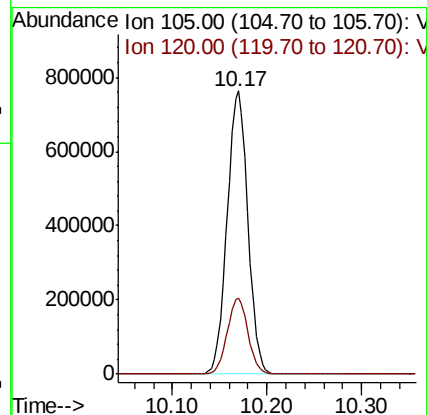
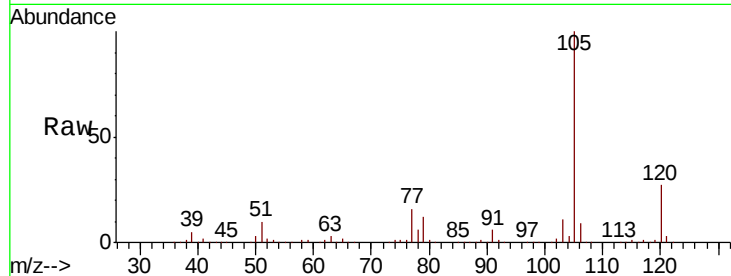
120 26.9 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 167.47 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Tgt Ion: 43 Resp: 594892

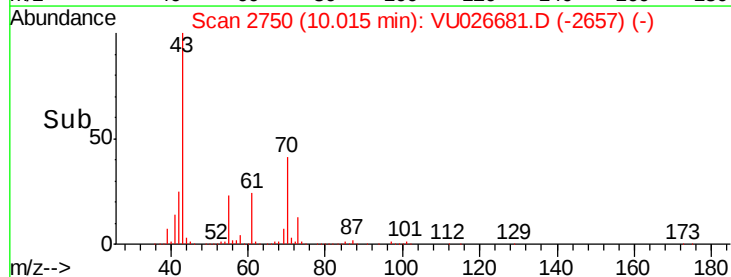
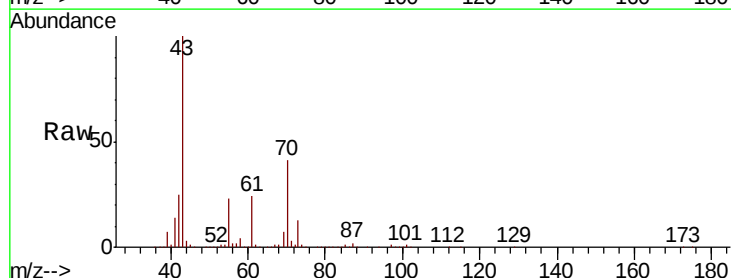
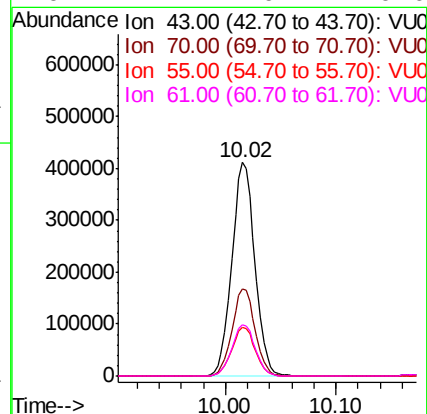
Ion Ratio Lower Upper

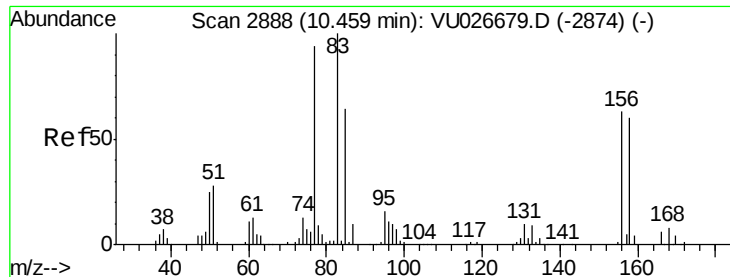
43 100

70 40.9 32.6 48.8

55 23.3 19.1 28.7

61 24.4 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 143.57 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

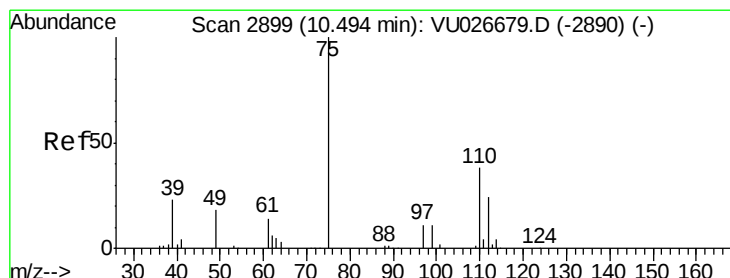
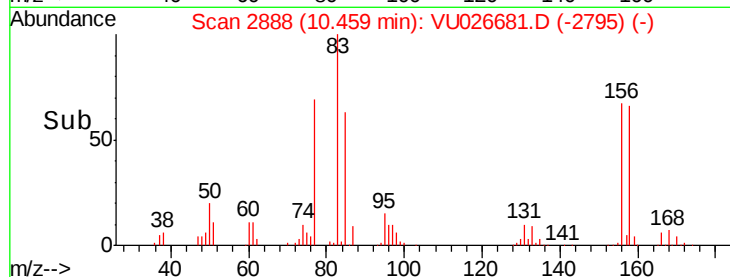
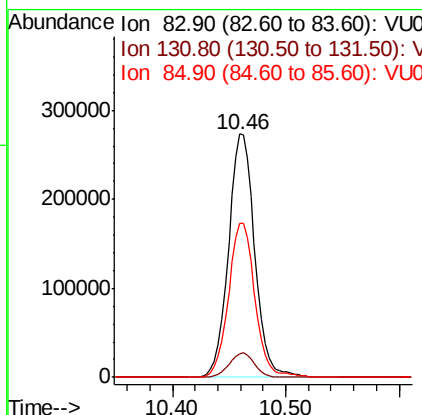
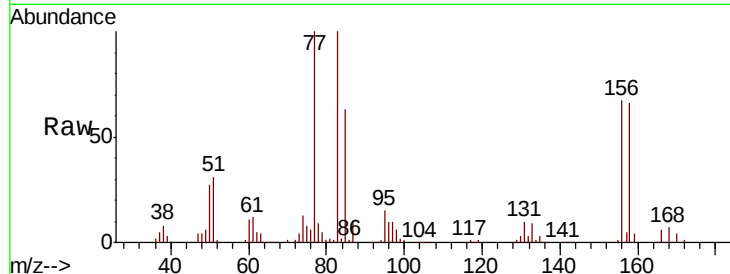
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	440252
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 132.12 ug/l m

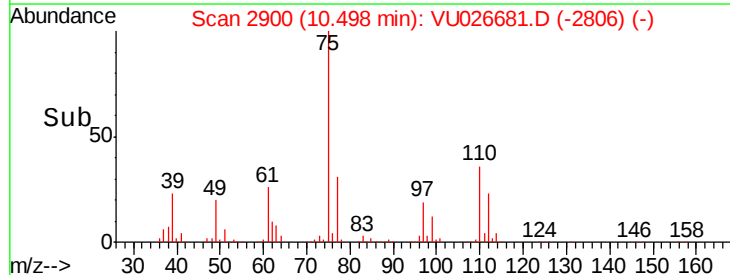
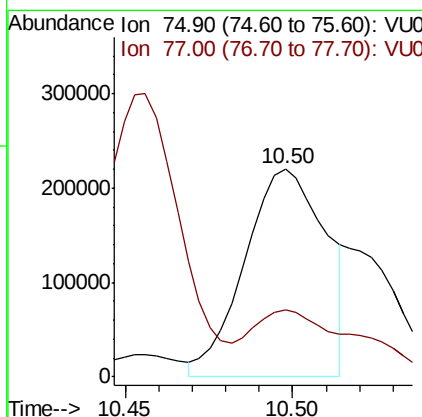
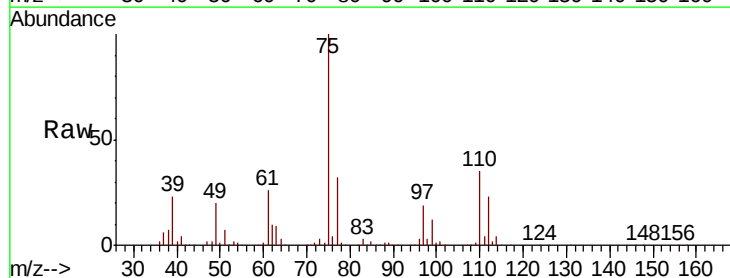
RT: 10.50 min Scan# 2900

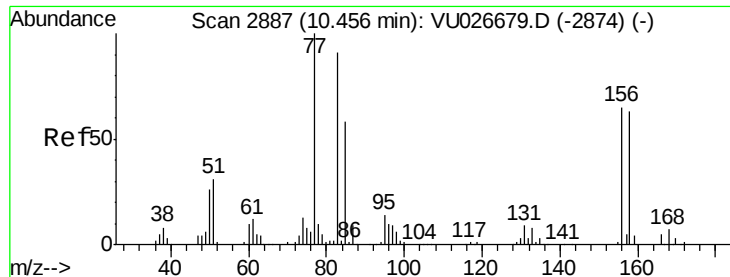
Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Tgt Ion:	75	Resp:	371059
Ion Ratio	Lower	Upper	
75	100		
77	43.0	21.1	63.1





#77

Bromobenzene

Concen: 149.88 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

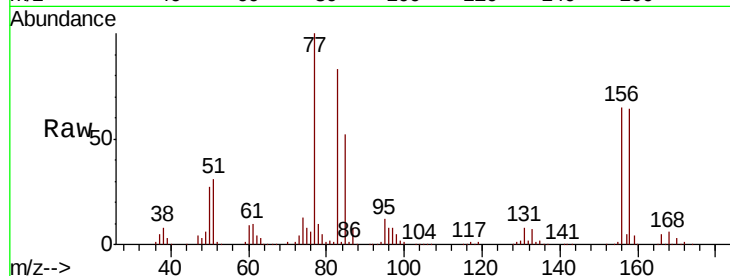
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	306487
Ion Ratio	Lower	Upper	
156	100		
77	158.6	77.6	232.9
158	97.7	48.9	146.6

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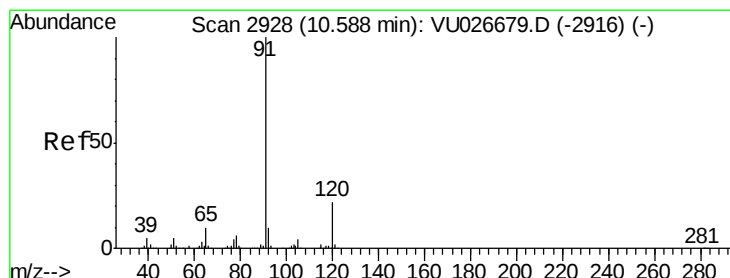
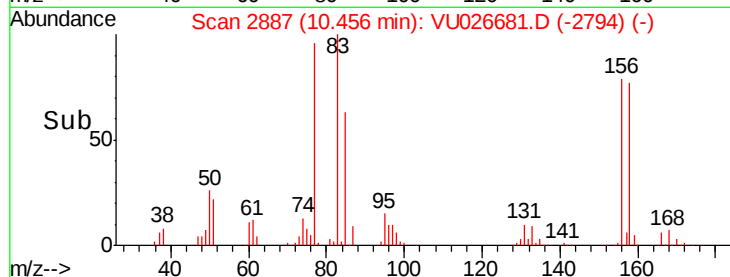
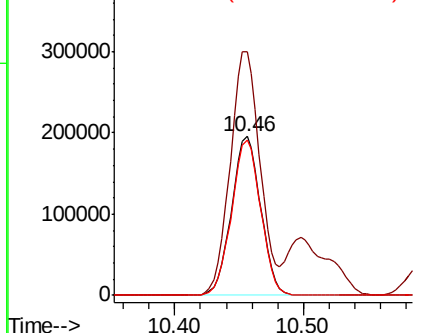
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 161.31 ug/l

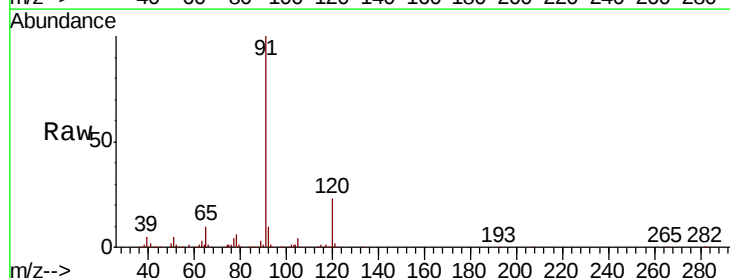
RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026681.D

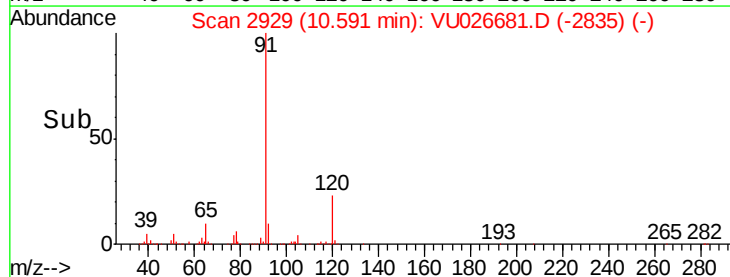
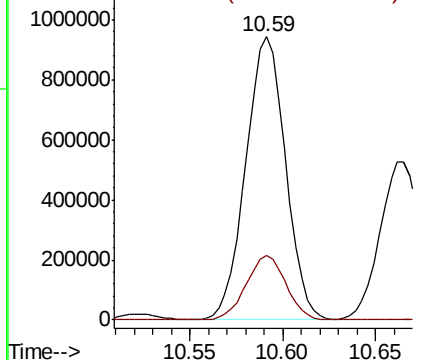
Acq: 11 Sep 2018 12:30

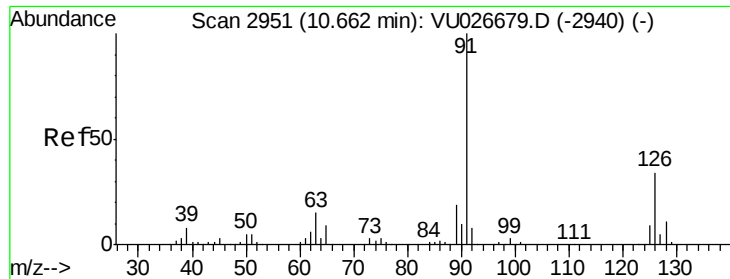
Tgt Ion:	91	Resp:	1411590
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





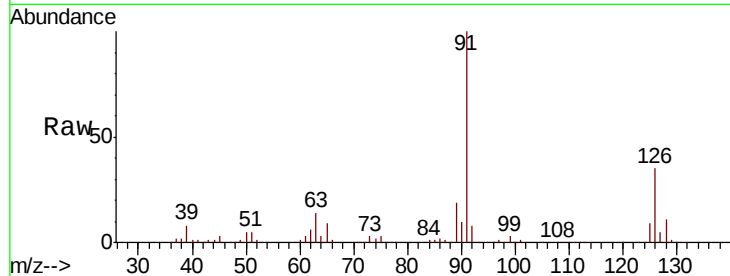
#79
 2-Chlorotoluene
 Concen: 150.84 ug/l
 RT: 10.66 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

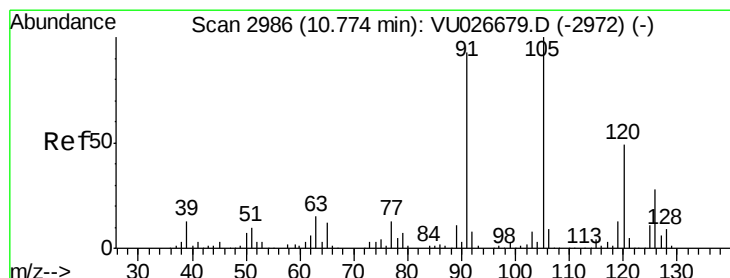
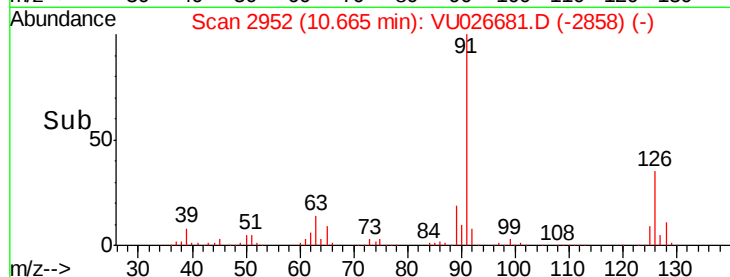
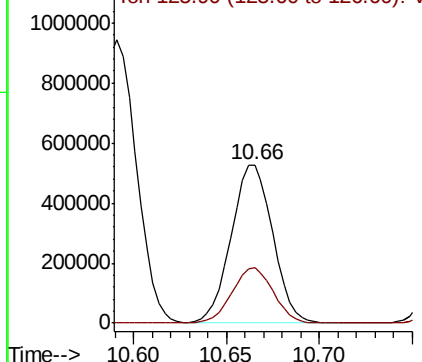
Tot Ion: 91 Resp: 818280
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.7

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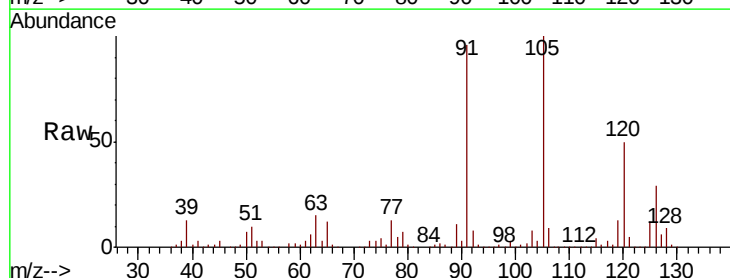


Abundance Ion 91.00 (90.70 to 91.70): VU026679.D (-2940) (-)
 Ion 125.90 (125.60 to 126.60): VU026679.D (-2940) (-)

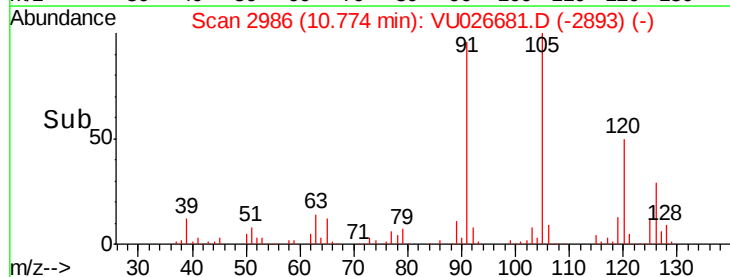
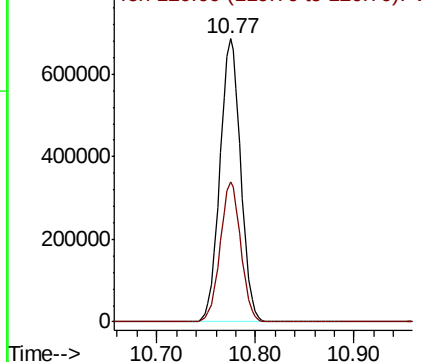


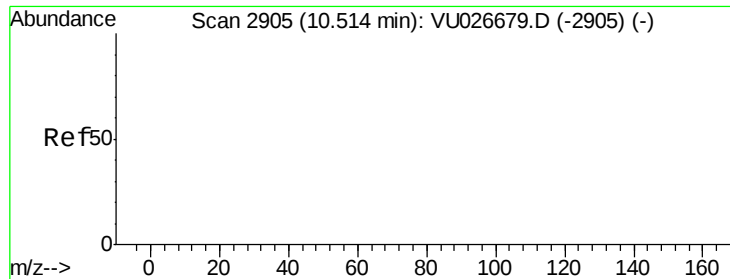
#80
 1,3,5-Trimethylbenzene
 Concen: 159.87 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion:105 Resp: 1011070
 Ion Ratio Lower Upper
 105 100
 120 49.2 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) (-)





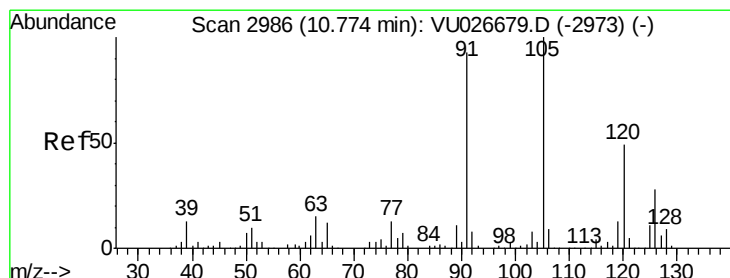
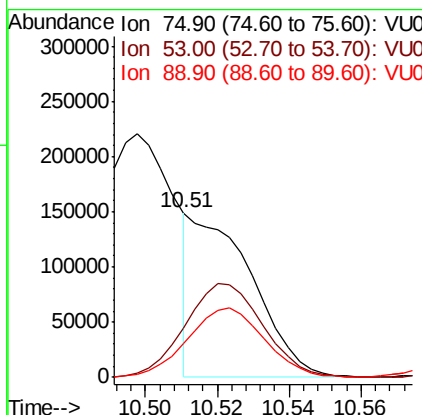
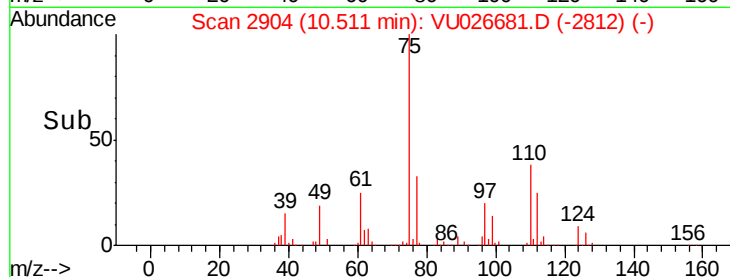
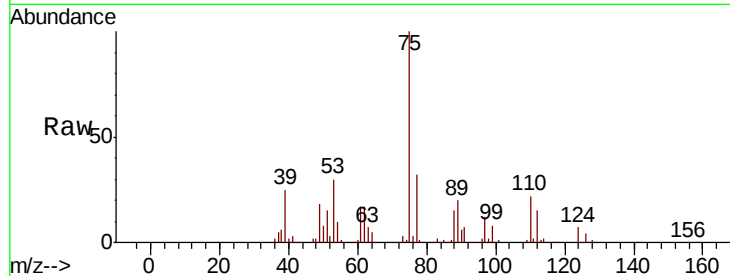
#81
trans-1,4-Dichloro-2-butene
Concen: 139.36 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

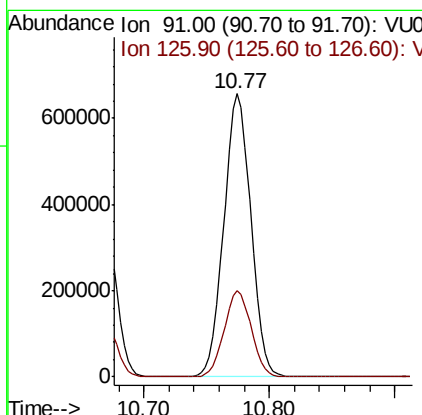
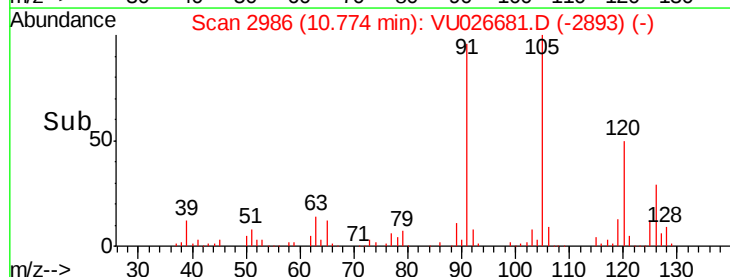
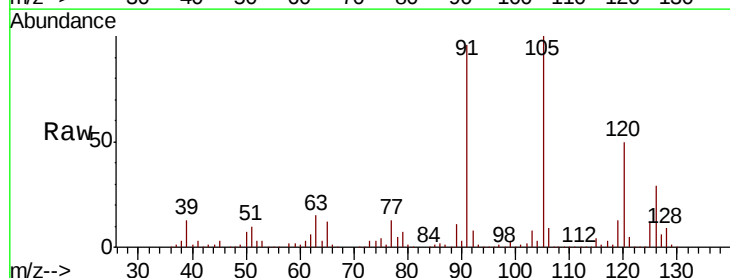
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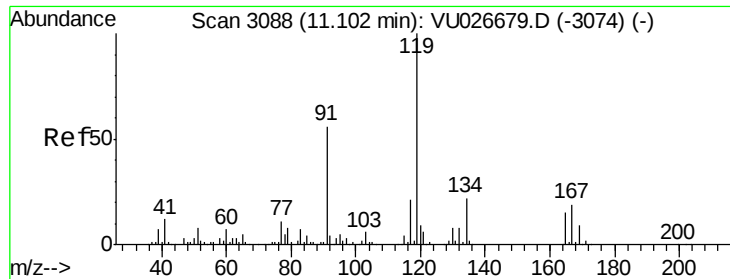
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#82
4-Chlorotoluene
Concen: 160.36 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.2	45.5





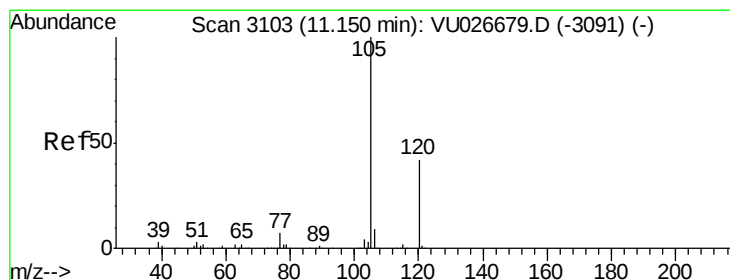
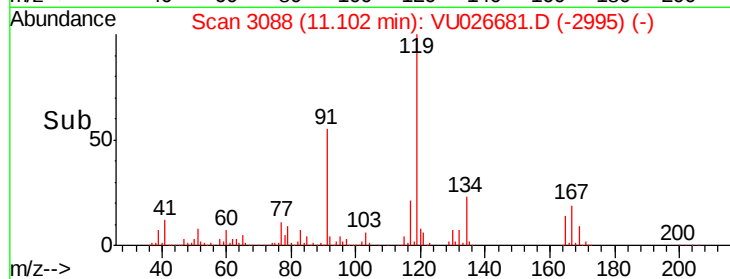
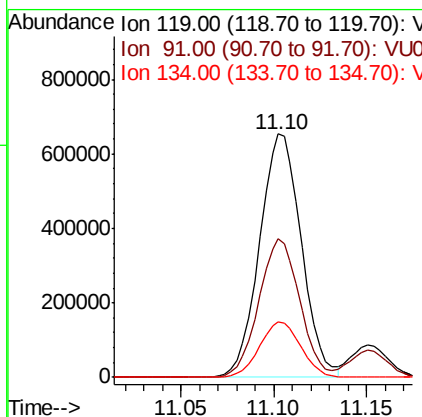
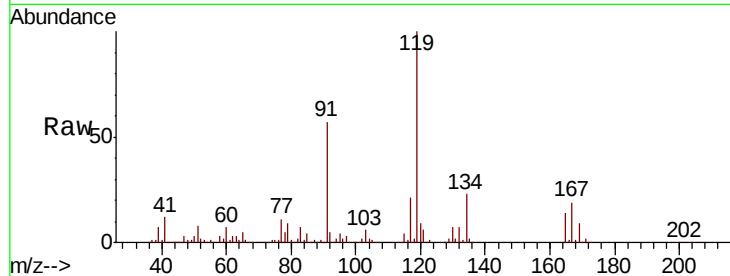
#83
 tert-Butylbenzene
 Concen: 160.14 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1027790
 Ion Ratio Lower Upper
 119 100
 91 55.7 28.3 85.0
 134 22.5 11.2 33.5

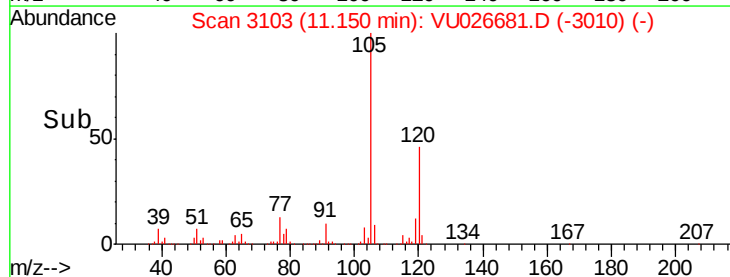
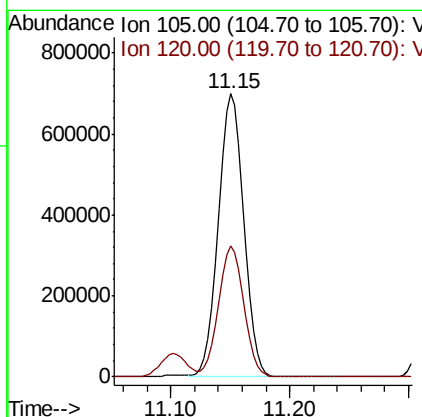
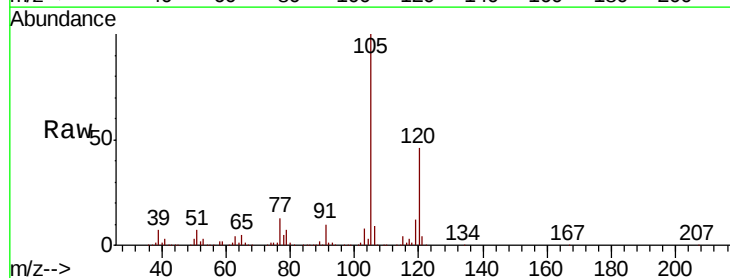
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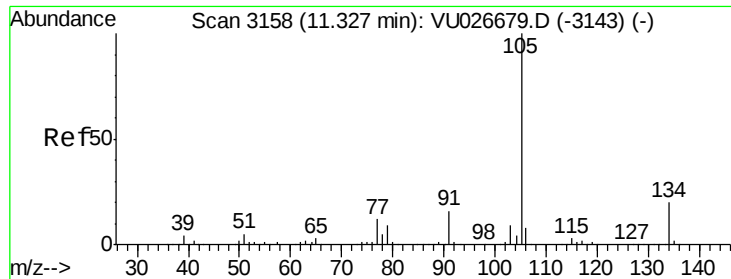
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#84
 1,2,4-Trimethylbenzene
 Concen: 161.99 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion:105 Resp: 1033313
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.3 69.8





#85

sec-Butylbenzene

Concen: 163.14 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1243404

Ion Ratio Lower Upper

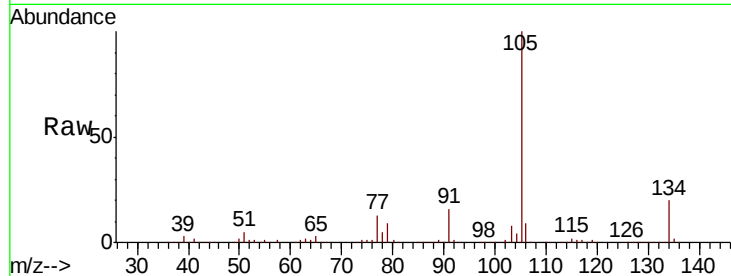
105 100

134 20.0 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

800000

600000

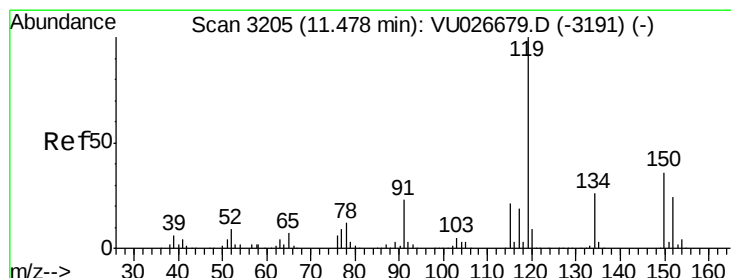
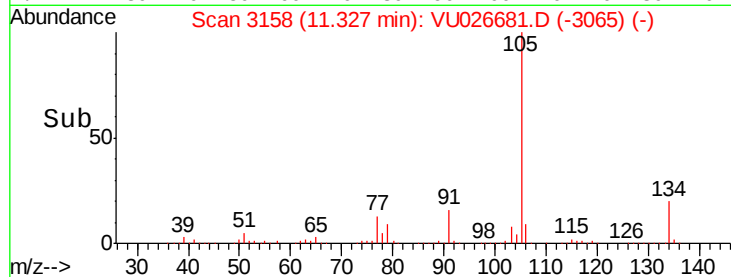
400000

200000

0

11.30 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 167.99 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

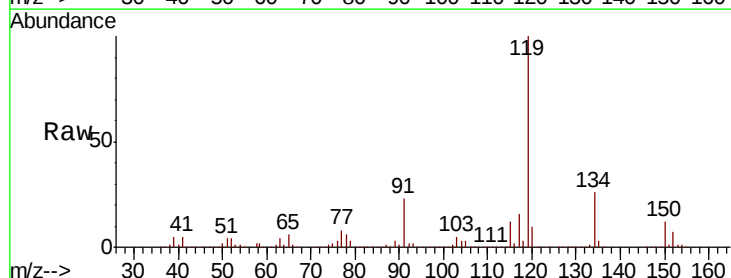
Tgt Ion:119 Resp: 1116428

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 22.8 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

1000000

800000

600000

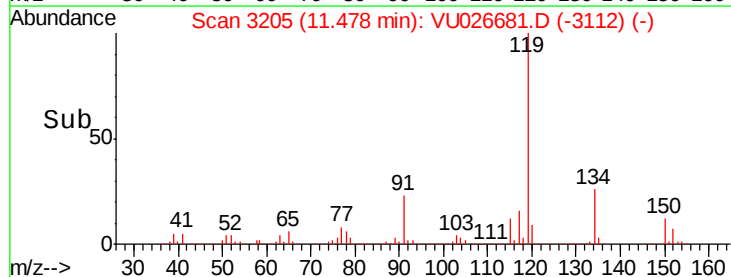
400000

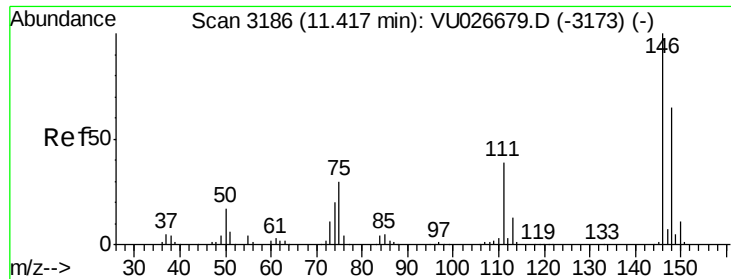
200000

0

11.40 11.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 148.69 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Instrument :

MSVOA_U

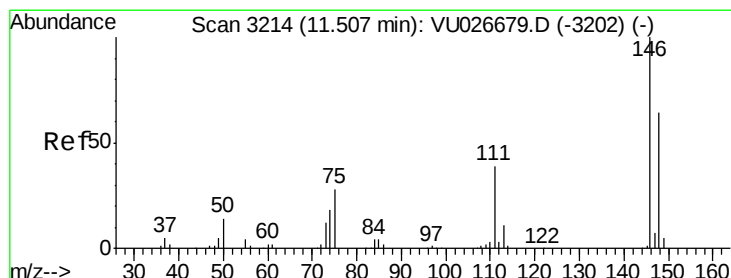
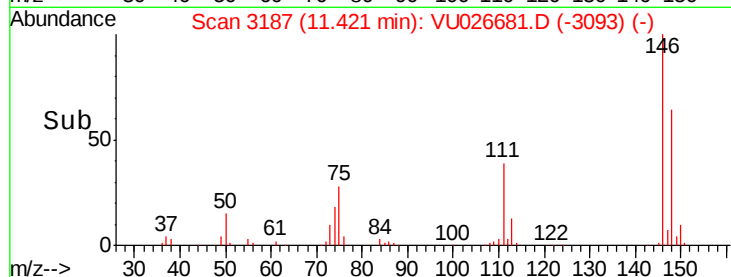
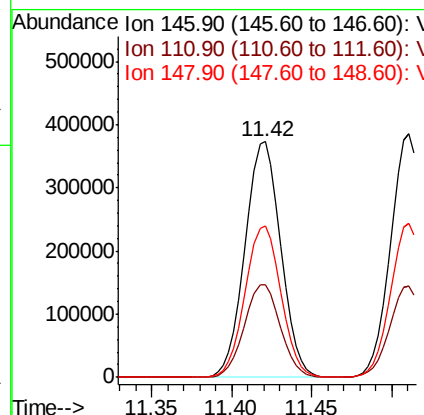
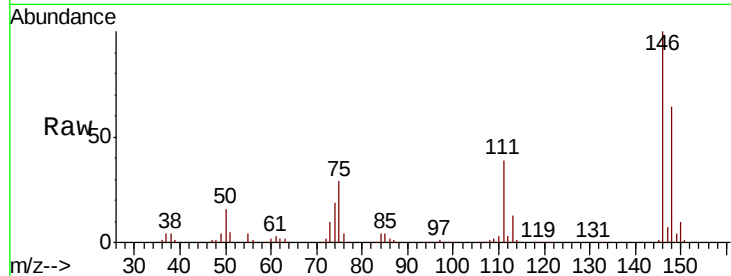
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	567234
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.7	59.1
148	64.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 144.74 ug/l

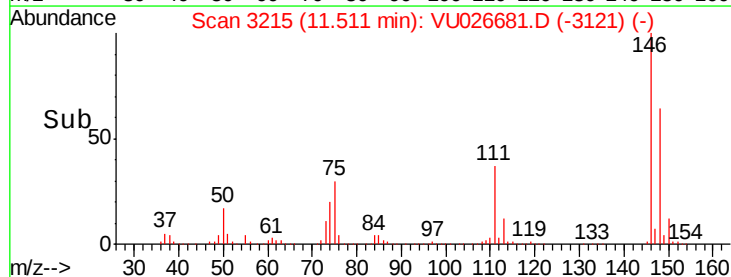
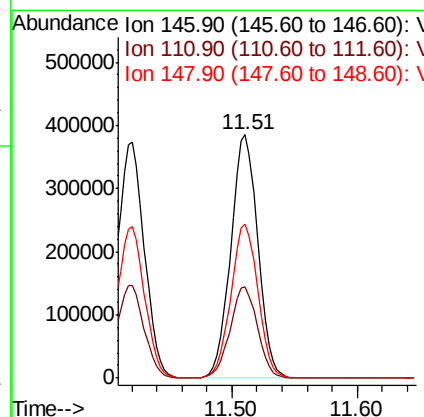
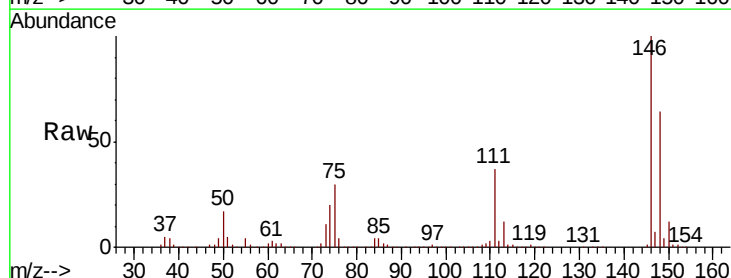
RT: 11.51 min Scan# 3215

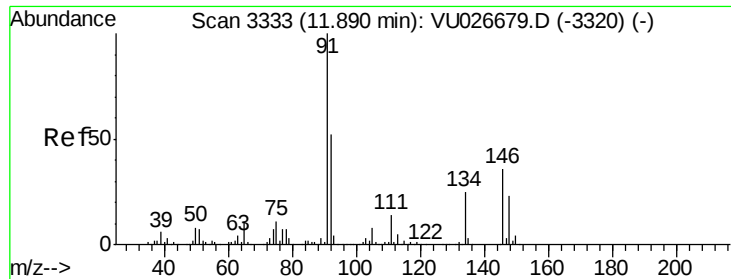
Delta R.T. 0.00 min

Lab File: VU026681.D

Acq: 11 Sep 2018 12:30

Tgt Ion:	146	Resp:	573445
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.2	57.6
148	63.7	32.1	96.3





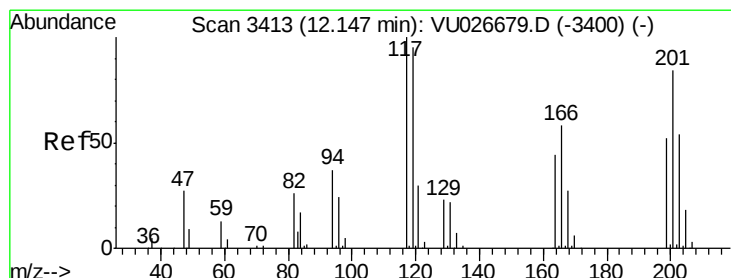
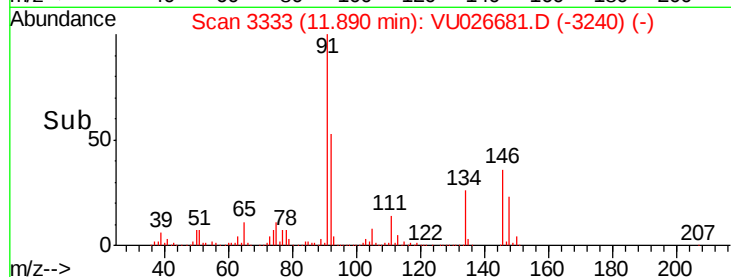
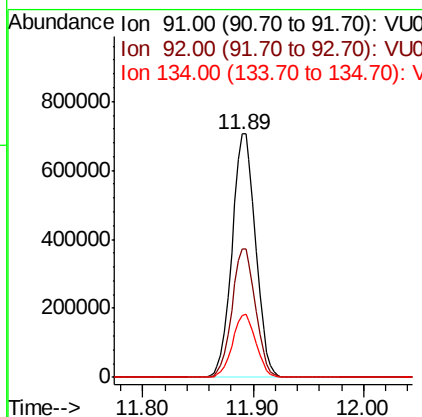
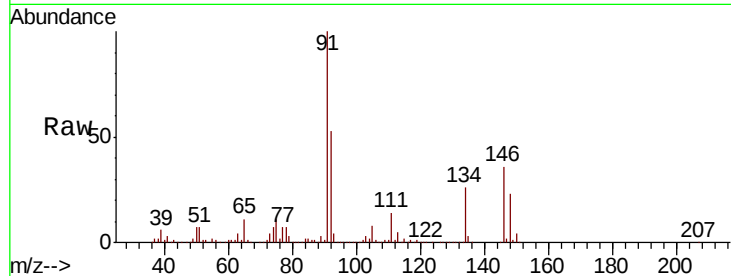
#89
n-Butylbenzene
Concen: 179.26 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1043798
Ion Ratio Lower Upper
91 100
92 52.6 25.8 77.3
134 25.8 12.6 37.8

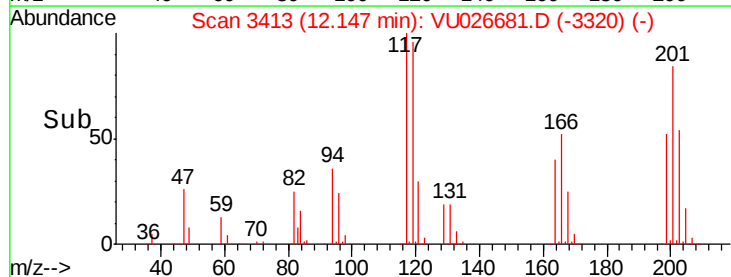
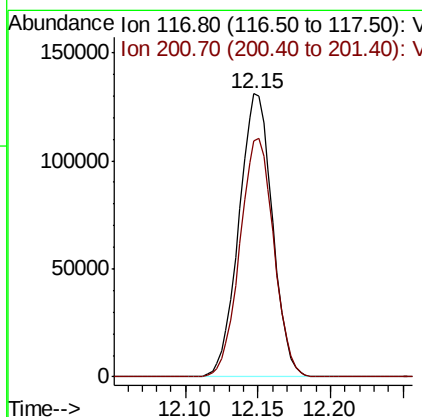
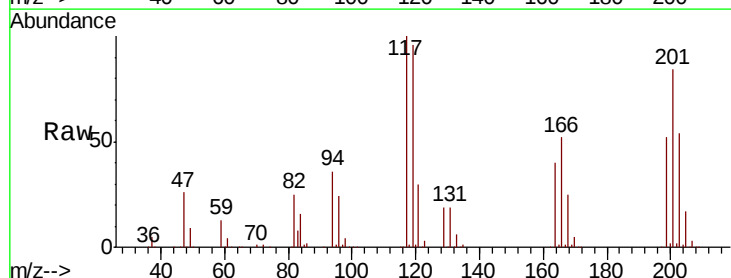
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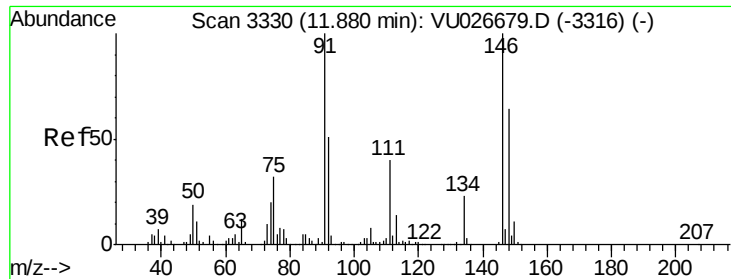
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#90
Hexachloroethane
Concen: 156.64 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion: 117 Resp: 210672
Ion Ratio Lower Upper
117 100
201 85.3 42.4 127.1





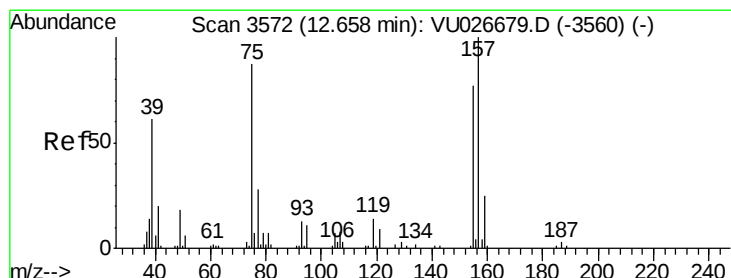
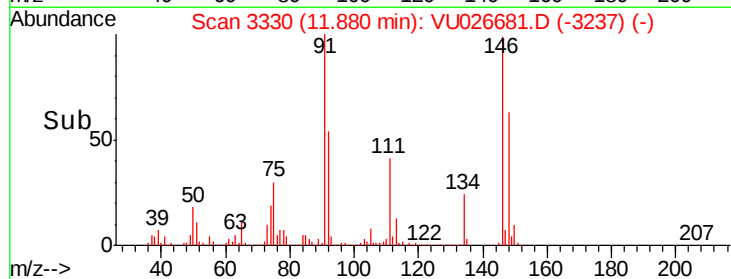
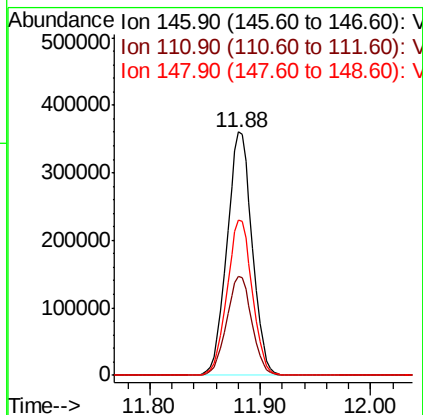
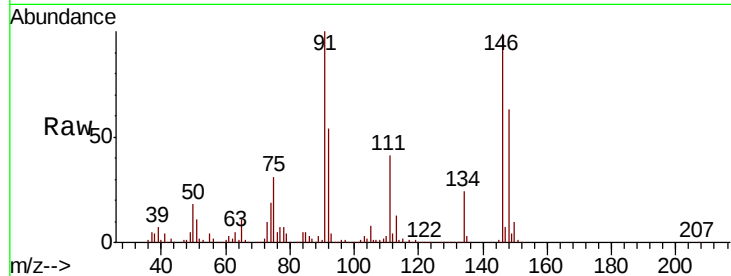
#91
 1,2-Dichlorobenzene
 Concen: 148.09 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	64.0	32.1	96.3

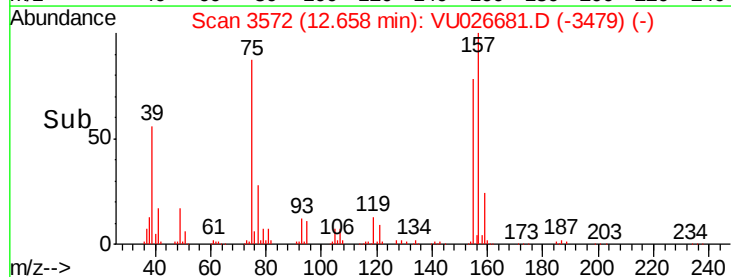
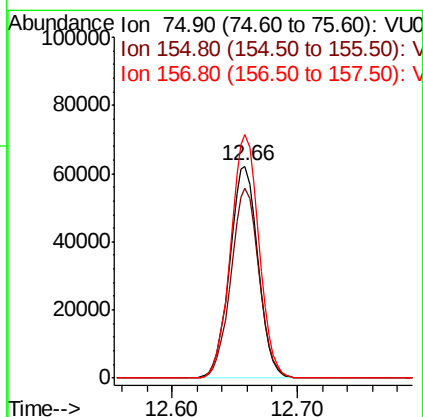
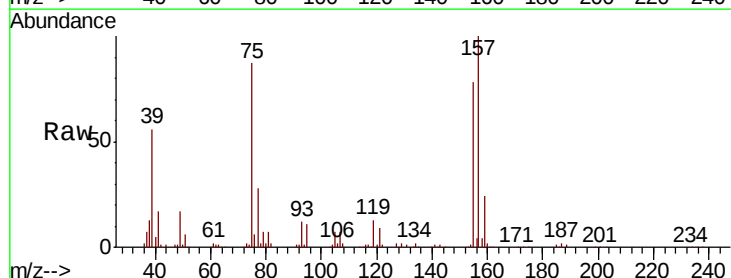
Manual Integrations
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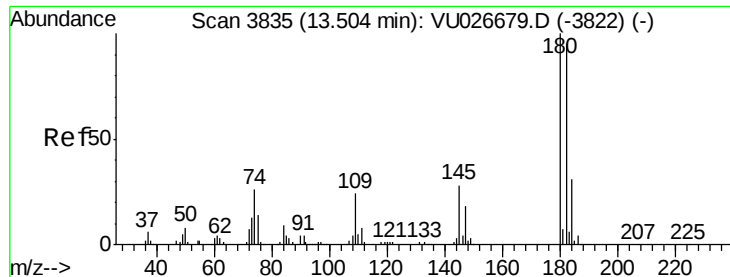
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 158.47 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.1	132.4
157	114.5	57.2	171.6





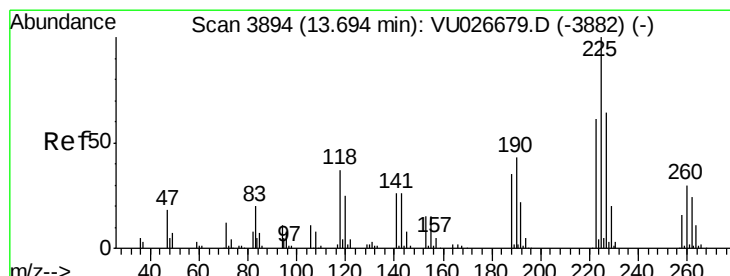
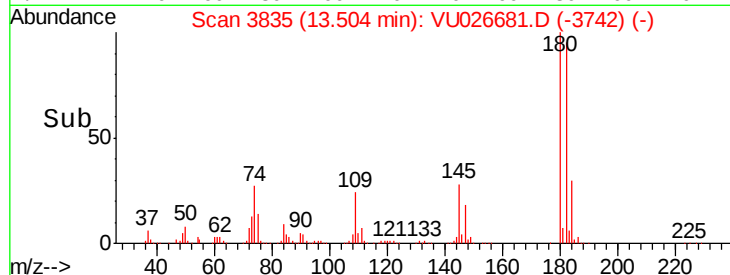
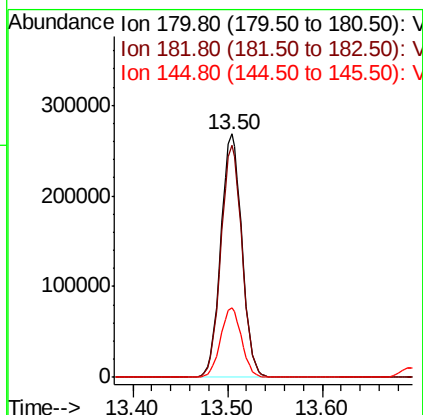
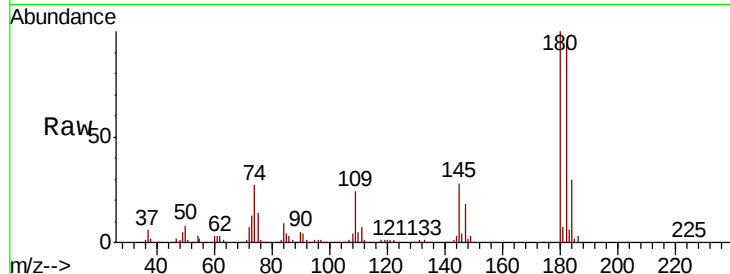
#93
 1,2,4-Trichlorobenzene
 Concen: 162.57 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	414299		
182	95.5	47.9	143.7	
145	28.5	14.0	42.0	

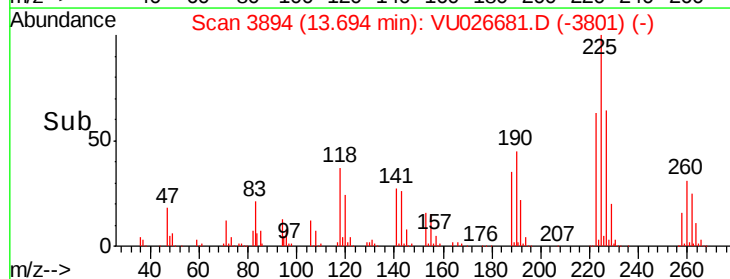
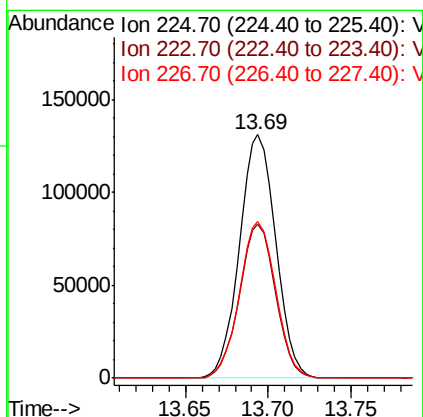
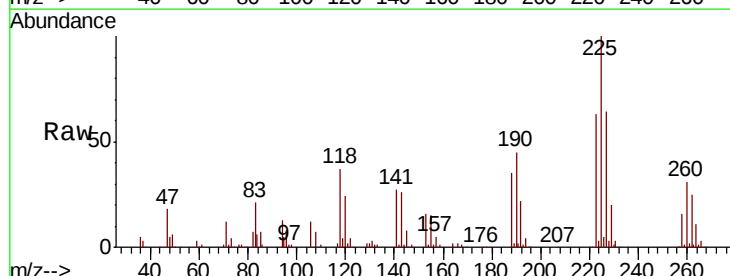
Manual Integrations
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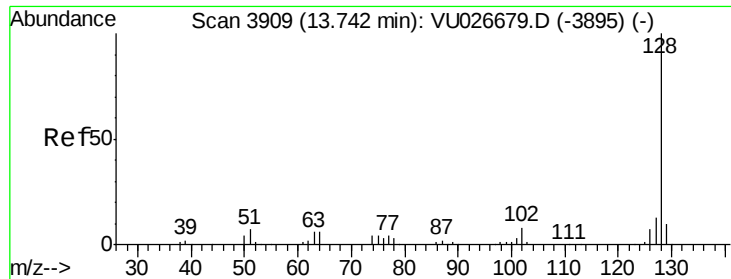
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#94
 Hexachlorobutadiene
 Concen: 152.74 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026681.D
 Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200240		
223	62.6	30.6	92.0	
227	64.2	32.1	96.3	





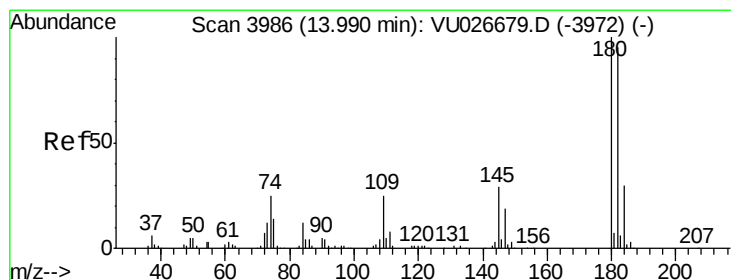
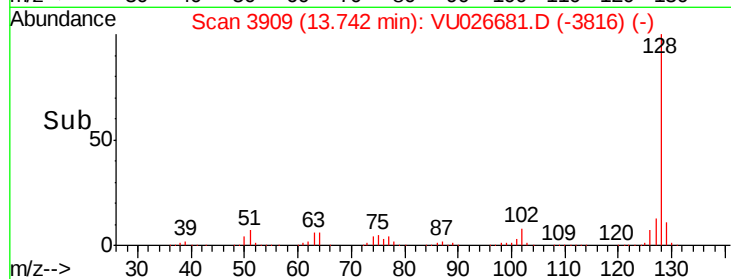
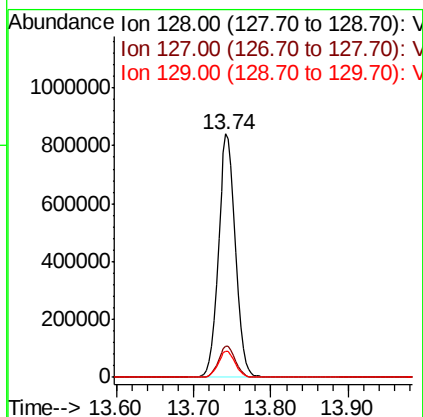
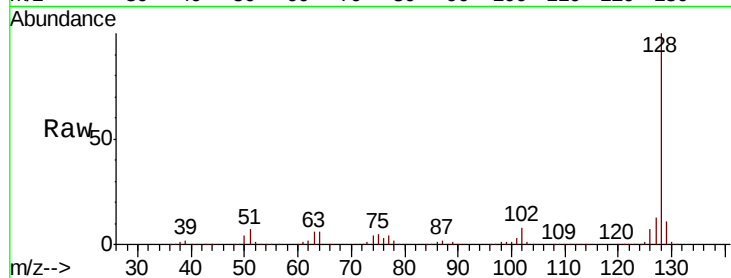
#95
Naphthalene
Concen: 167.98 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 157.10 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026681.D
Acq: 11 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	30.2	14.9	44.9

