

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026680.D
 Acq On : 11 Sep 2018 12:07
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:55 PM

Quant Time: Sep 12 05:24:36 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	108901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166104	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	164288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104091	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	165950	100.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.92%	
35) Dibromofluoromethane	4.88	113	138315	102.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.16%	
50) Toluene-d8	7.57	98	517673	103.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.60%	
62) 4-Bromofluorobenzene	10.31	95	197572	108.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	116480	99.00	ug/l	100
3) Chloromethane	1.32	50	153677	93.49	ug/l	99
4) Vinyl Chloride	1.40	62	170568	100.13	ug/l	99
5) Bromomethane	1.60	94	94513	88.58	ug/l	100
6) Chloroethane	1.68	64	104313	96.22	ug/l	98
7) Trichlorofluoromethane	1.87	101	221107	99.29	ug/l	100
8) Diethyl Ether	2.10	74	96675	99.07	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	130462	98.65	ug/l	99
10) Methyl Iodide	2.40	142	129129	129.59	ug/l	99
11) Tert butyl alcohol	2.84	59	186997	464.40	ug/l	100
12) 1,1-Dichloroethene	2.28	96	124446	99.54	ug/l	98
13) Acrolein	2.19	56	126434	465.94	ug/l	99
14) Allyl chloride	2.59	41	251286	111.59	ug/l	90
15) Acrylonitrile	2.94	53	445720	516.15	ug/l	100
16) Acetone	2.32	43	417419	446.30	ug/l	100
17) Carbon Disulfide	2.47	76	384974	96.78	ug/l	99
18) Methyl Acetate	2.61	43	203996	101.09	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	440656	102.36	ug/l	98
20) Methylene Chloride	2.70	84	147819	97.44	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	134761	102.32	ug/l	99
22) Diisopropyl ether	3.57	45	488114	103.86	ug/l	99
23) Vinyl Acetate	3.52	43	2148460	538.18	ug/l	100
24) 1,1-Dichloroethane	3.44	63	268898	101.43	ug/l	100
25) 2-Butanone	4.26	43	634261	503.43	ug/l	100
26) 2,2-Dichloropropane	4.23	77	219054	100.52	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	155023	102.12	ug/l	99
28) Bromochloromethane	4.55	49	122444	96.59	ug/l	99
29) Tetrahydrofuran	4.64	42	391335	515.20	ug/l	100
30) Chloroform	4.67	83	259836	99.67	ug/l	98
31) Cyclohexane	5.00	56	239908	87.44	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	222347	103.01	ug/l	99
36) 1,1-Dichloropropene	5.14	75	198140	106.25	ug/l	100
37) Ethyl Acetate	4.38	43	226523	101.01	ug/l	100
38) Carbon Tetrachloride	5.13	117	199579	101.29	ug/l	98

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 QLast Update : Wed Sep 12 04:37:08 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	240545	108.63	ug/l	99
40) Benzene	5.39	78	591776	102.18	ug/l	99
41) Methacrylonitrile	4.54	41	128503	110.40	ug/l	100
42) 1,2-Dichloroethane	5.40	62	208613	101.01	ug/l	100
43) Isopropyl Acetate	5.55	43	365744	107.11	ug/l	99
44) Trichloroethene	6.19	130	149242	104.12	ug/l	99
45) 1,2-Dichloropropane	6.43	63	163872	104.08	ug/l	98
46) Dibromomethane	6.56	93	106406	104.73	ug/l	98
47) Bromodichloromethane	6.76	83	208096	104.01	ug/l	99
48) Methyl methacrylate	6.62	41	187866	111.49	ug/l	99
49) 1,4-Dioxane	6.62	88	84392	2160.78	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1242802	544.11	ug/l	100
52) Toluene	7.64	92	366936	106.36	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	242472	109.26	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	256287	107.55	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	152222	102.98	ug/l	99
56) Ethyl methacrylate	8.02	69	251304	116.44	ug/l	99
57) 1,3-Dichloropropane	8.24	76	265806	105.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	594455	558.73	ug/l	100
59) 2-Hexanone	8.37	43	986250	548.66	ug/l	100
60) Dibromochloromethane	8.48	129	169598	105.94	ug/l	98
61) 1,2-Dibromoethane	8.59	107	167268	104.30	ug/l	99
64) Tetrachloroethene	8.23	164	129151	98.77	ug/l	98
65) Chlorobenzene	9.12	112	415020	101.68	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	152449	101.51	ug/l	98
67) Ethyl Benzene	9.25	91	723654	107.63	ug/l	100
68) m/p-Xylenes	9.38	106	561881	219.68	ug/l	100
69) o-Xylene	9.78	106	273485	109.76	ug/l	100
70) Styrene	9.79	104	462652	113.43	ug/l	99
71) Bromoform	9.96	173	144780	110.85	ug/l #	98
73) Isopropylbenzene	10.17	105	734436	103.54	ug/l	100
74) N-amyl acetate	10.02	43	369847	110.44	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	275548	95.32	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	223178m	84.29	ug/l	
77) Bromobenzene	10.46	156	192205	99.70	ug/l	99
78) n-propylbenzene	10.59	91	890240	107.91	ug/l	99
79) 2-Chlorotoluene	10.66	91	519249	101.53	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	632938	106.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	86444m	72.98	ug/l	
82) 4-Chlorotoluene	10.77	91	613936	106.85	ug/l	100
83) tert-Butylbenzene	11.10	119	639361	105.67	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	652279	108.47	ug/l	99
85) sec-Butylbenzene	11.33	105	785489	109.32	ug/l	100
86) p-Isopropyltoluene	11.48	119	698934	111.55	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	358734	99.75	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	360983	96.65	ug/l	100
89) n-Butylbenzene	11.89	91	647097	117.88	ug/l	99
90) Hexachloroethane	12.15	117	129620	102.23	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	360434	99.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	62009	106.99	ug/l	99

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ClientSampleId :
VSTDICC100

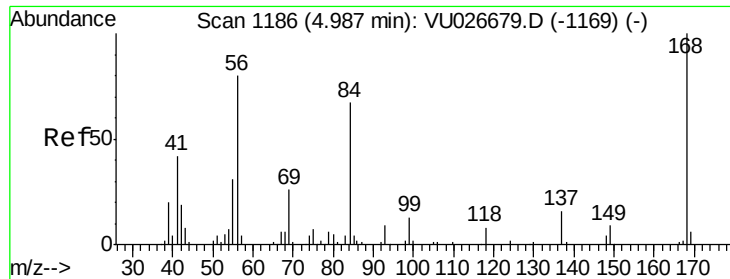
Manual Integrations
APPROVED

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9/13/2018 4:48:55 PM

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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	260587	108.46	ug/l	100
94) Hexachlorobutadiene	13.69	225	126721	102.53	ug/l	98
95) Naphthalene	13.74	128	828665	113.86	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	265730	105.91	ug/l	99

(#) = 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: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 108901

Ion Ratio Lower Upper

168 100

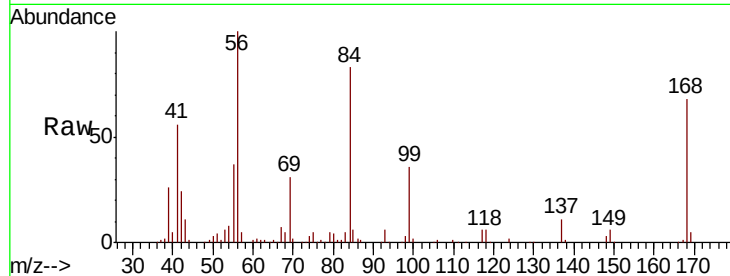
99 52.4 42.0 63.0

Manual Integrations

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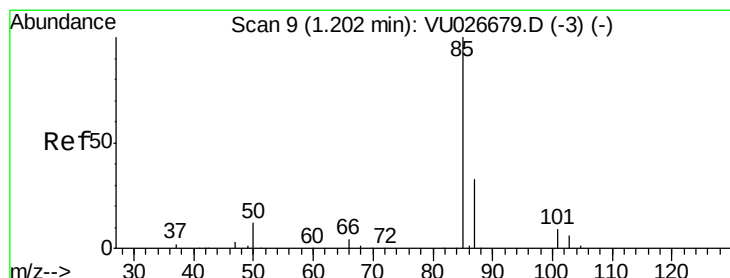
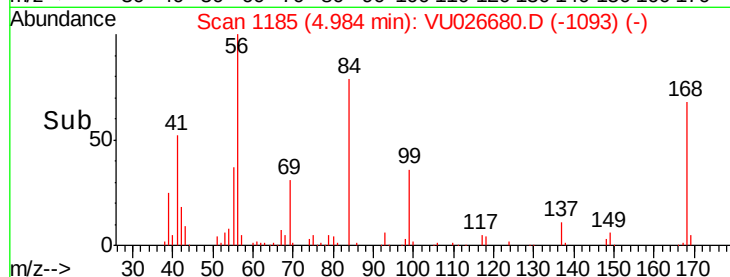
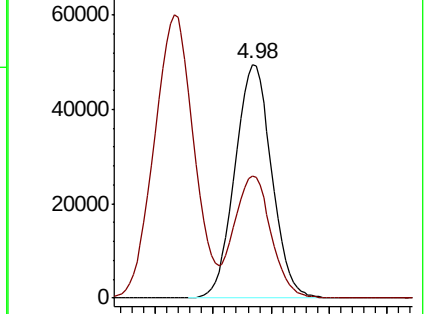
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Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

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



#2

Dichlorodifluoromethane

Concen: 99.00 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026680.D

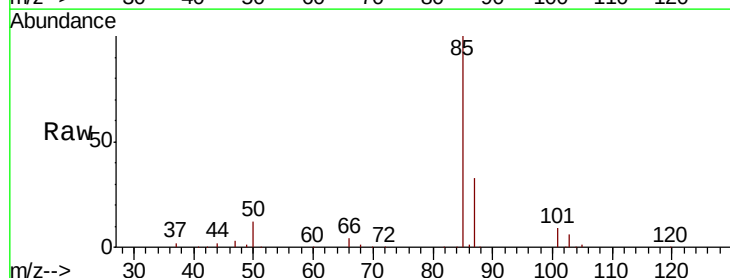
Acq: 11 Sep 2018 12:07

Tgt Ion: 85 Resp: 116480

Ion Ratio Lower Upper

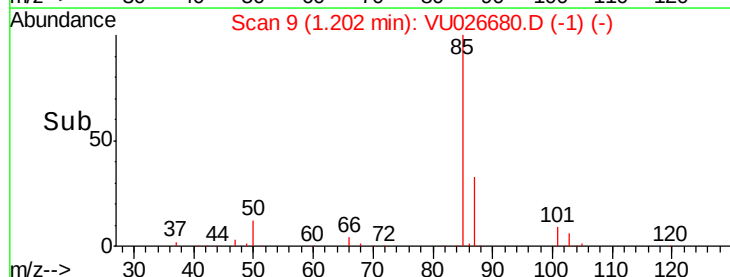
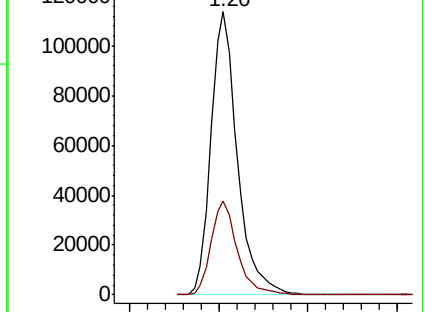
85 100

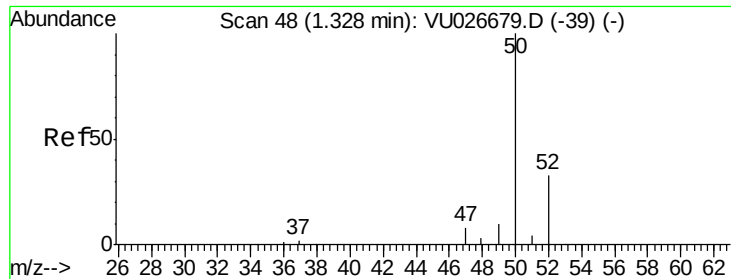
87 33.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026679.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026679.D (-3) (-)





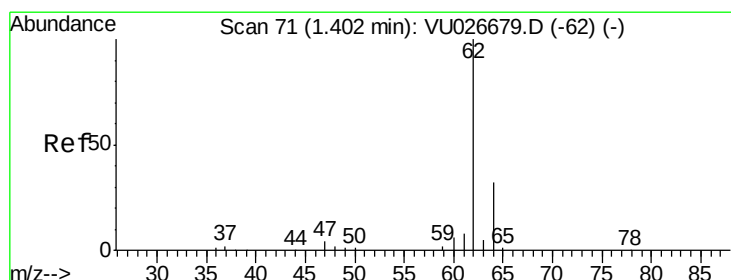
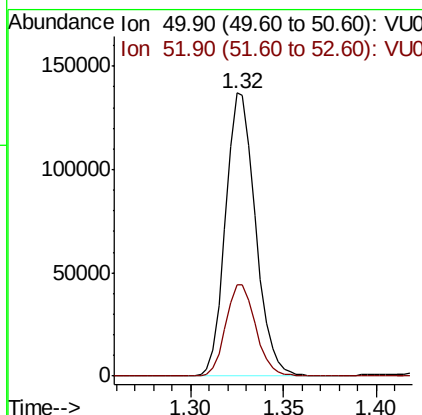
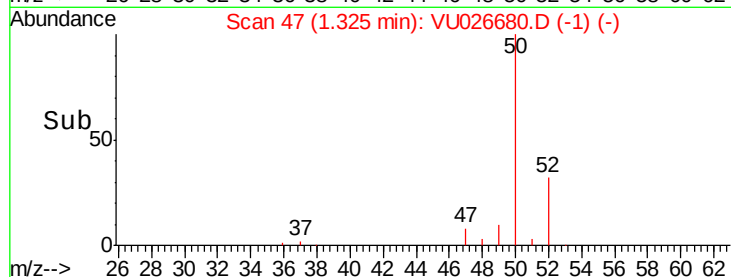
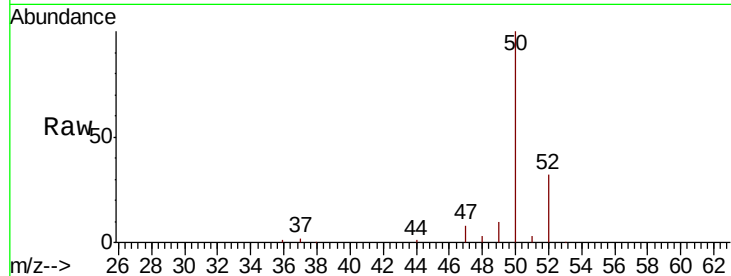
#3
Chloromethane
Concen: 93.49 ug/l
RT: 1.32 min Scan# 47
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.3	39.5

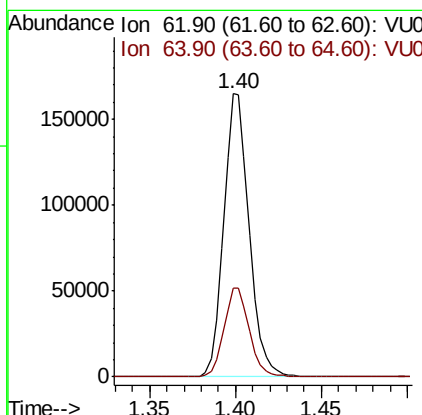
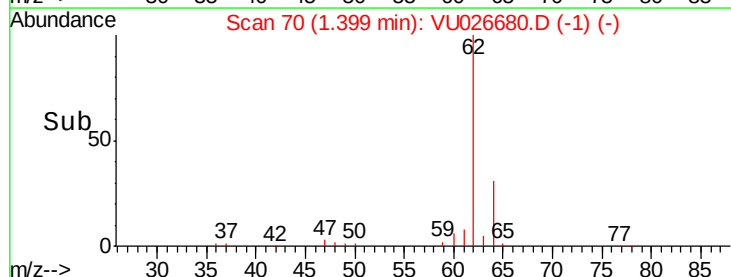
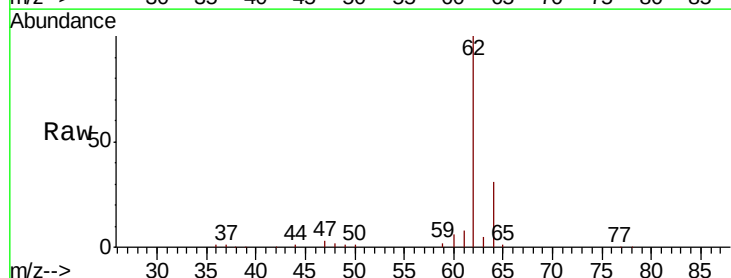
Manual Integrations
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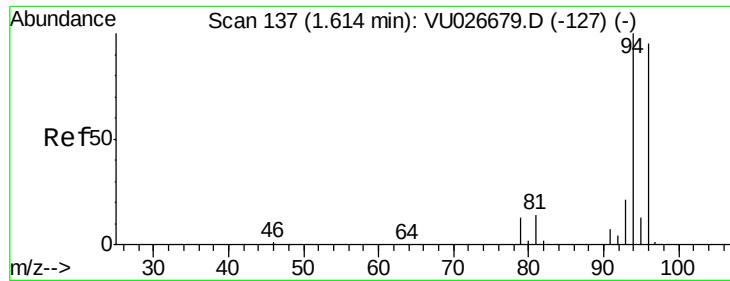
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#4
Vinyl Chloride
Concen: 100.13 ug/l
RT: 1.40 min Scan# 70
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.6	38.4





#5

Bromomethane

Concen: 88.58 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 94513

Ion Ratio Lower Upper

94 100

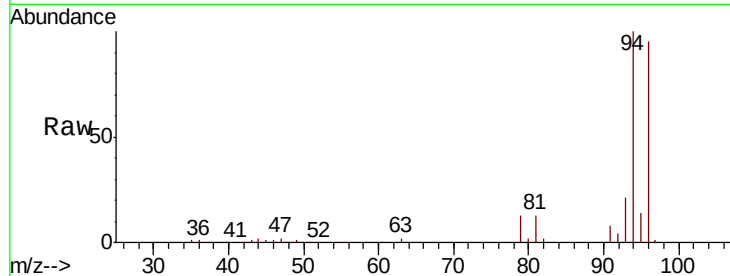
96 95.0 75.8 113.6

Manual Integrations

APPROVED

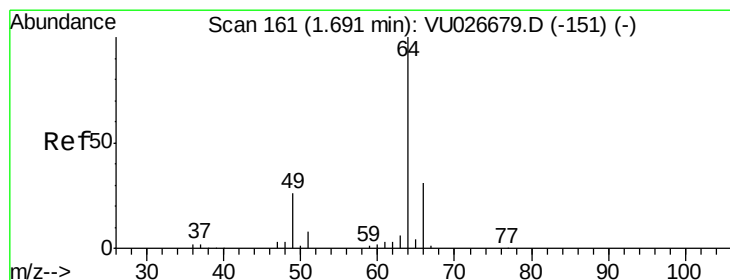
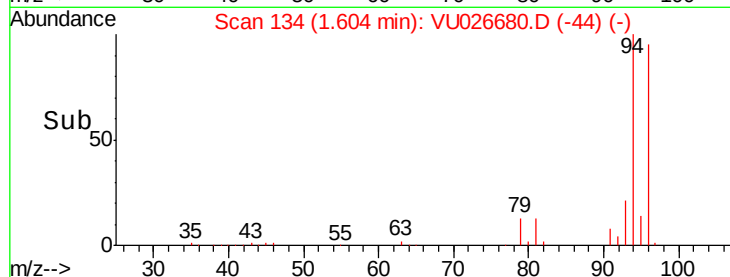
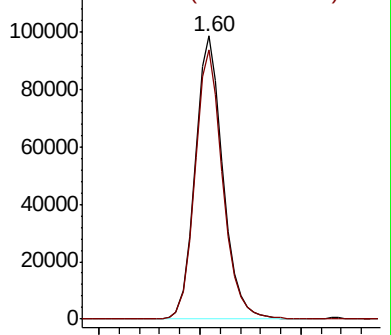
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 96.22 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU026680.D

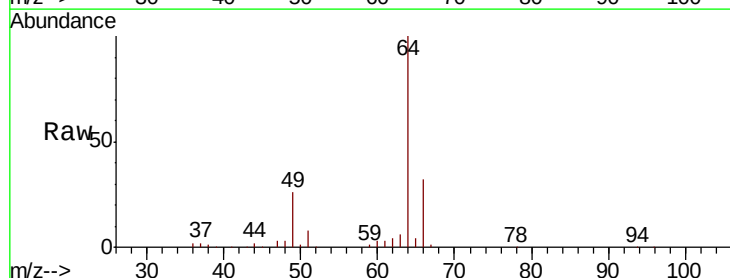
Acq: 11 Sep 2018 12:07

Tgt Ion: 64 Resp: 104313

Ion Ratio Lower Upper

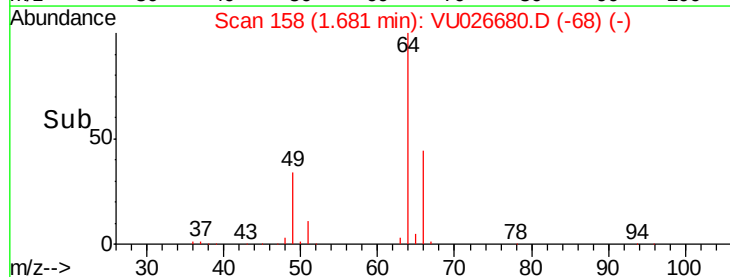
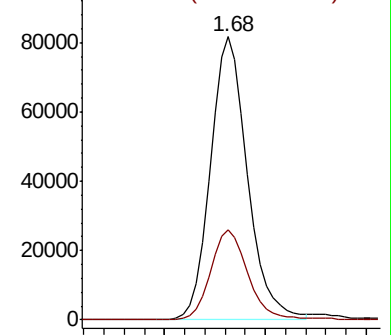
64 100

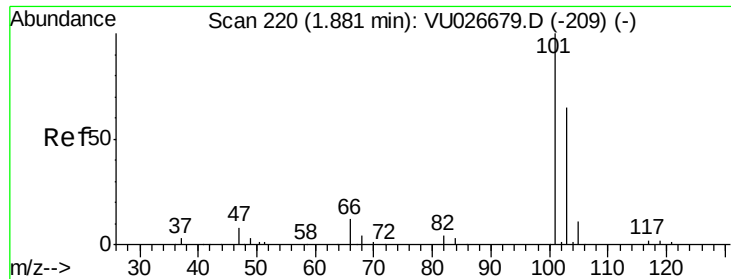
66 31.7 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

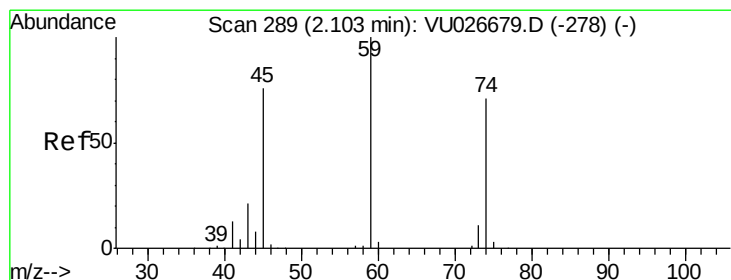
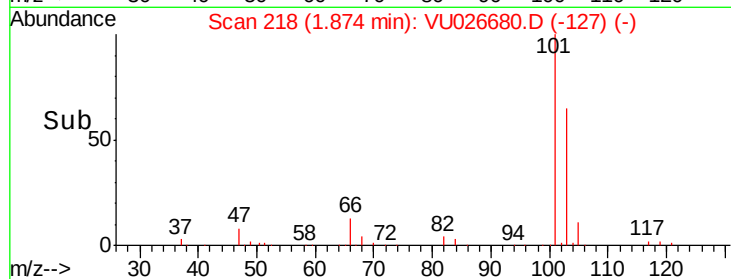
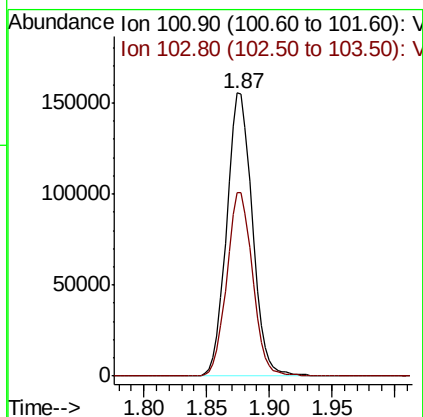
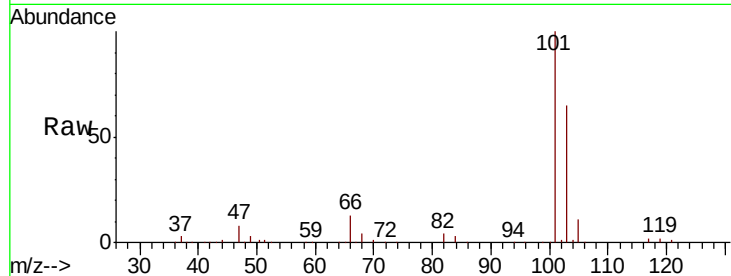
Trichlorofluoromethane
 Concen: 99.29 ug/l
 RT: 1.87 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.7	77.5

Manual Integrations
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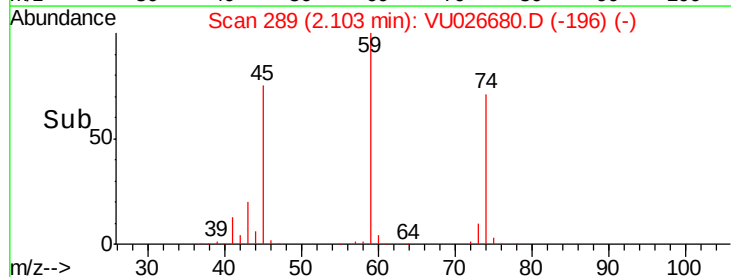
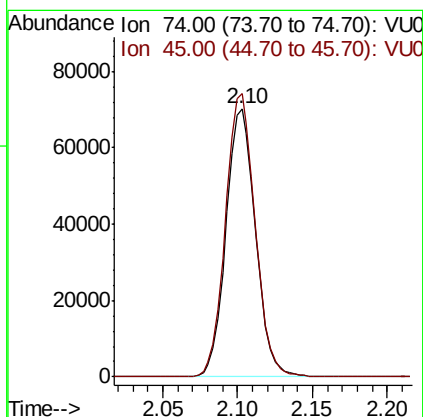
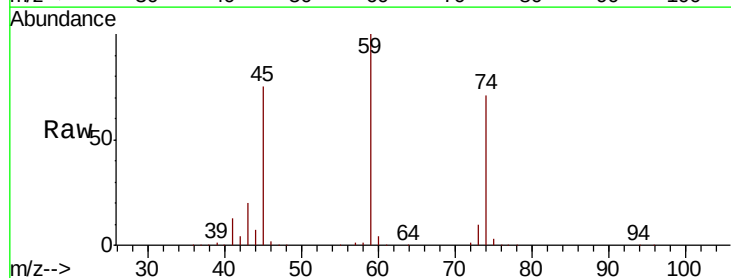
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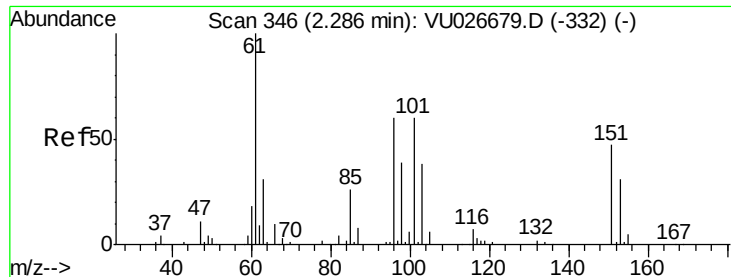


#8

Diethyl Ether
 Concen: 99.07 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	53.6	160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.65 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

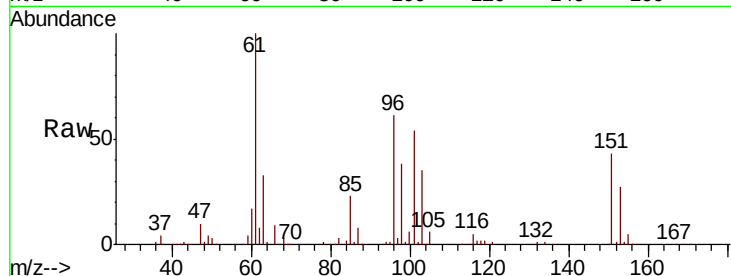
ClientSampleId :

VSTDIC100

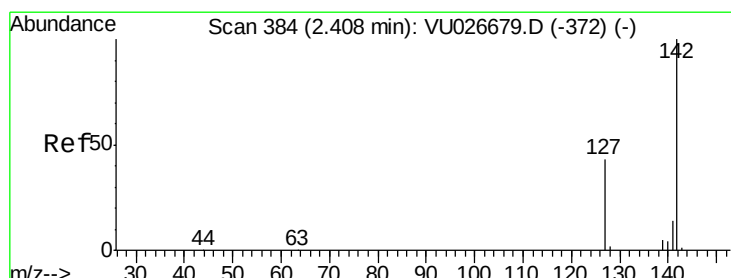
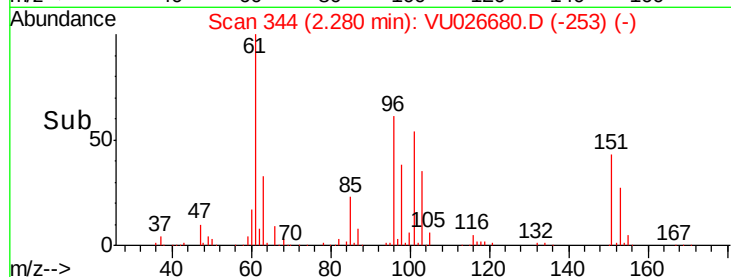
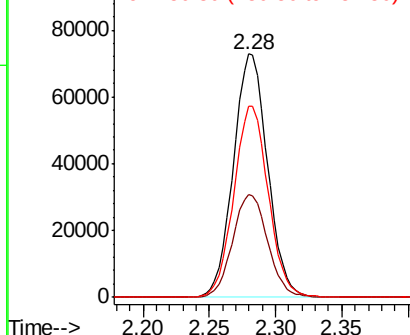
Tot Ion:	101	Resp:	130462
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	52.0
151	79.1	62.7	94.1

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



#10

Methyl Iodide

Concen: 129.59 ug/l

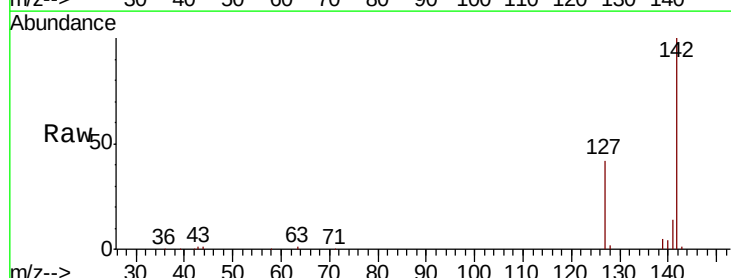
RT: 2.40 min Scan# 383

Delta R.T. -0.00 min

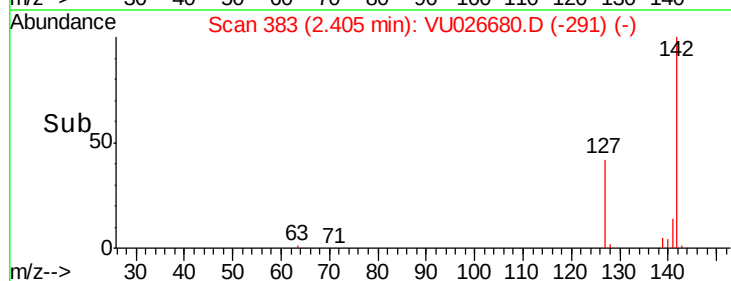
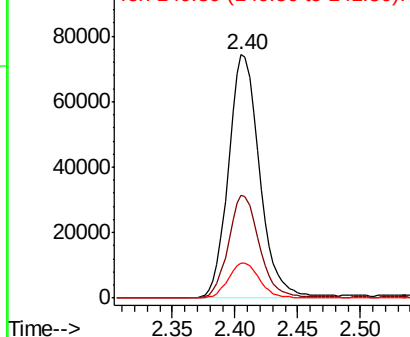
Lab File: VU026680.D

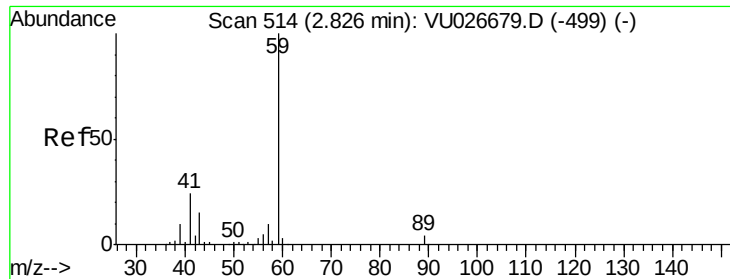
Acq: 11 Sep 2018 12:07

Tgt Ion:	142	Resp:	129129
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.1	51.1
141	14.4	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





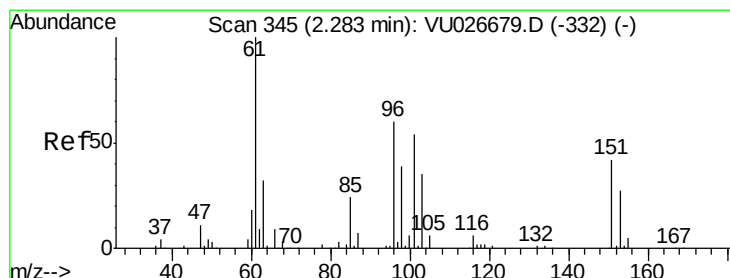
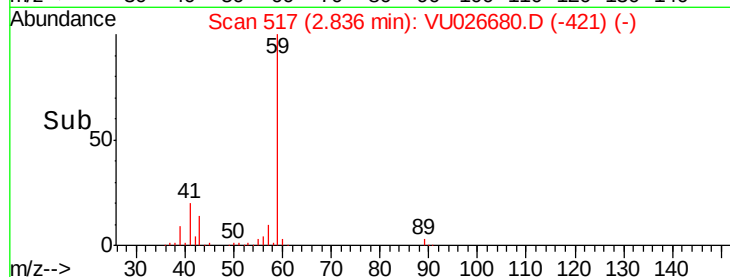
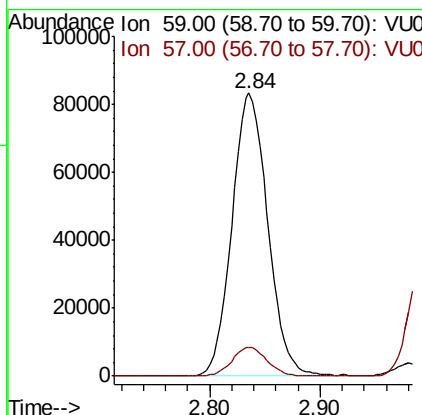
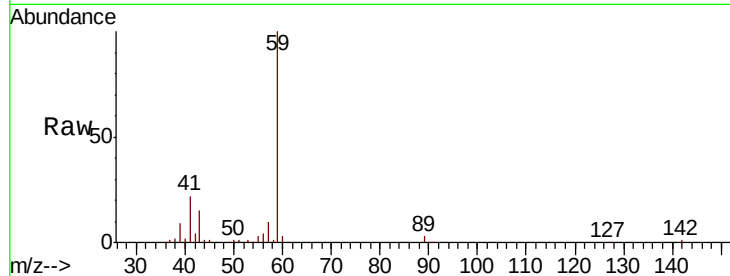
#11
Tert butyl alcohol
Concen: 464.40 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.01 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 186997
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0

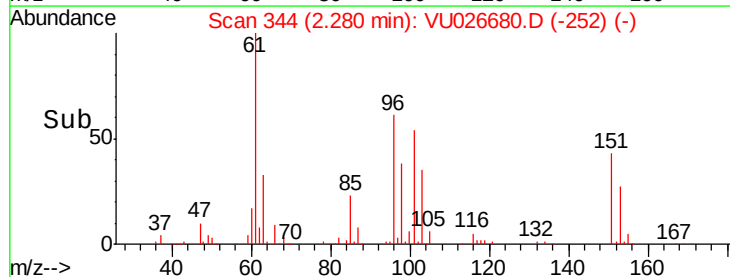
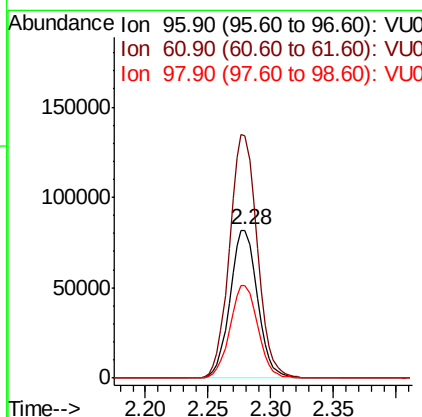
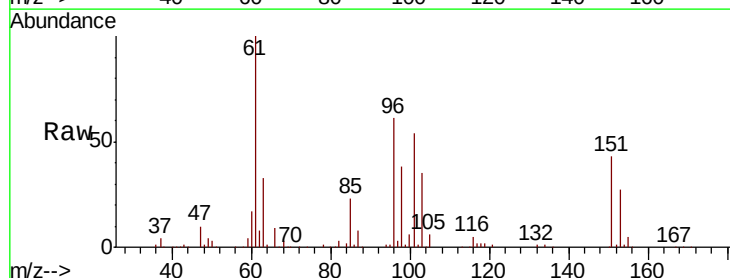
Manual Integrations
APPROVED

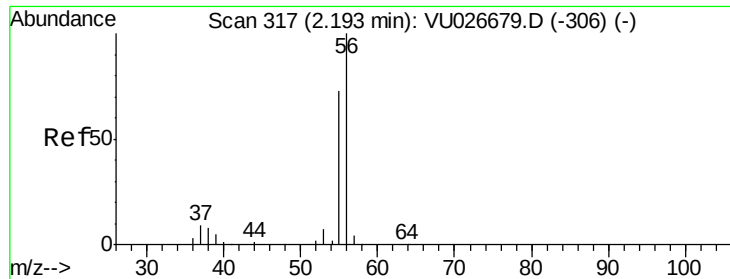
MMDadoda
9/13/2018 4:48:55 PM



#12
1,1-Dichloroethene
Concen: 99.54 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion: 96 Resp: 124446
Ion Ratio Lower Upper
96 100
61 163.9 133.0 199.6
98 62.6 51.3 76.9





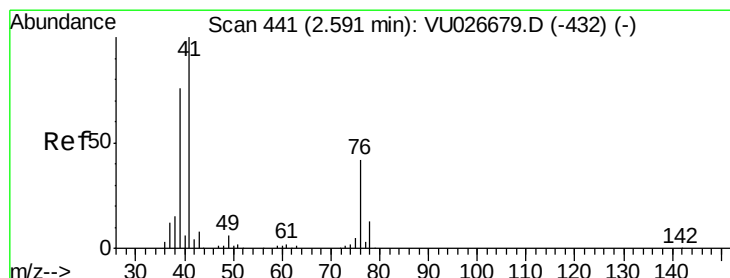
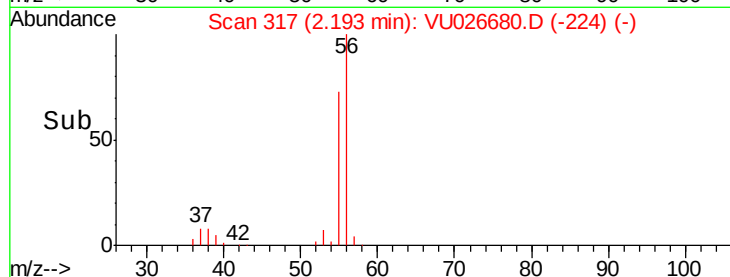
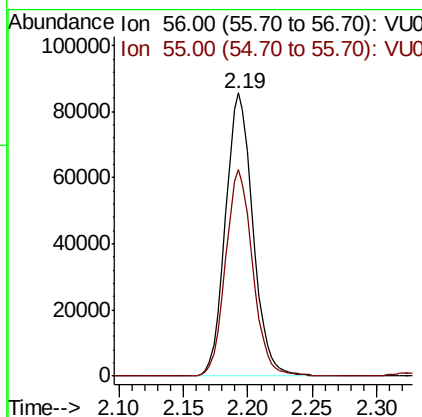
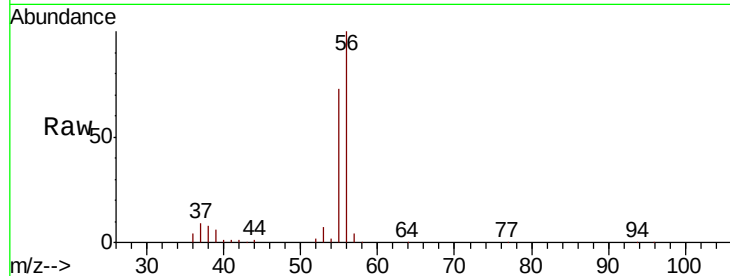
#13
Acrolein
Concen: 465.94 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.4	86.2

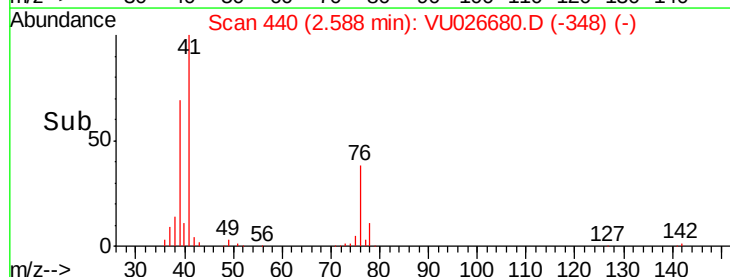
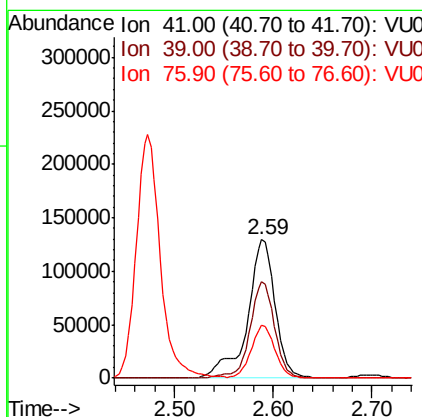
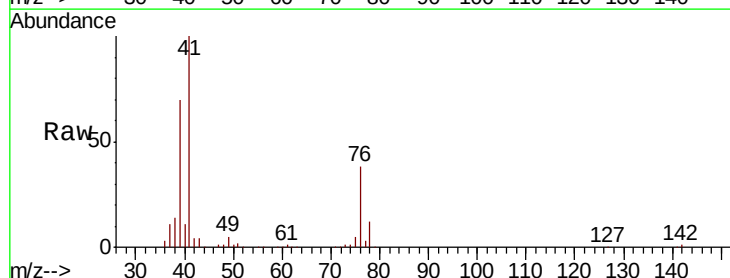
Manual Integrations
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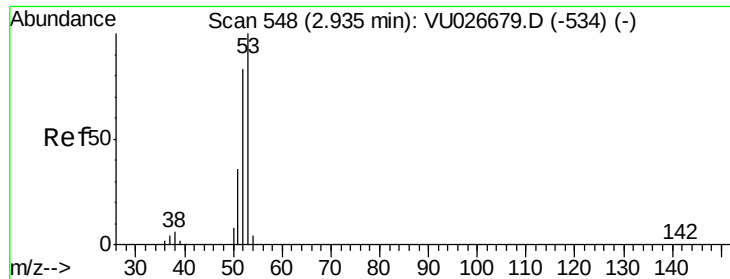
MMDadoda
9/13/2018 4:48:55 PM



#14
Allyl chloride
Concen: 111.59 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.8	56.9	85.3
76	32.6	29.7	44.5





#15

Acrylonitrile

Concen: 516.15 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

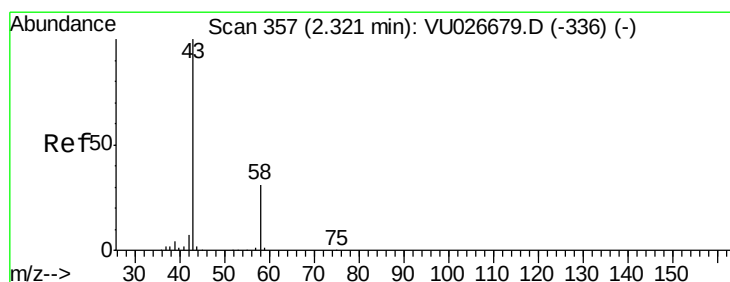
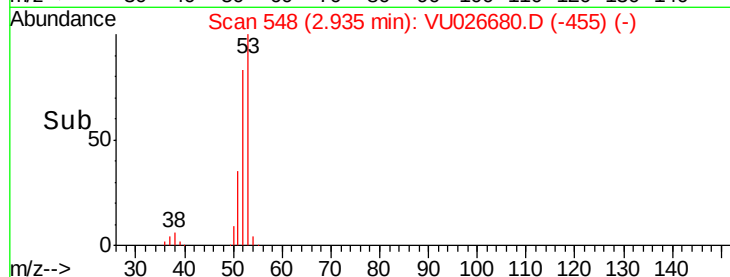
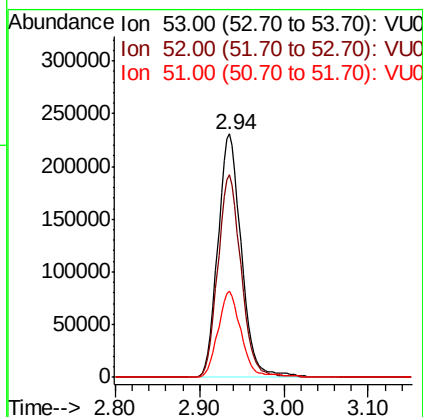
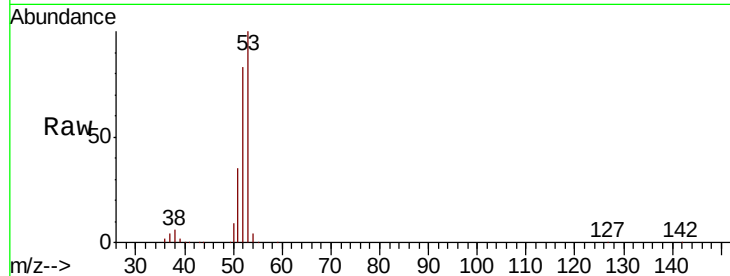
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	445720
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	34.4	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 446.30 ug/l

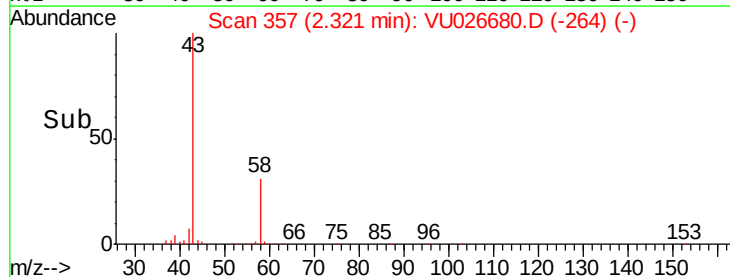
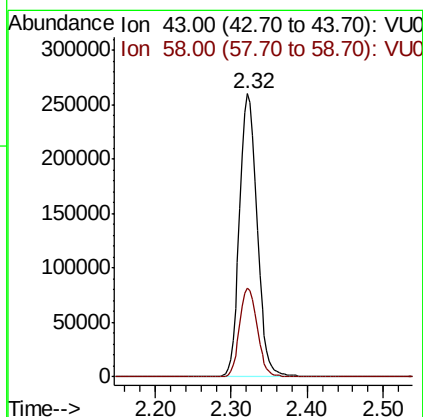
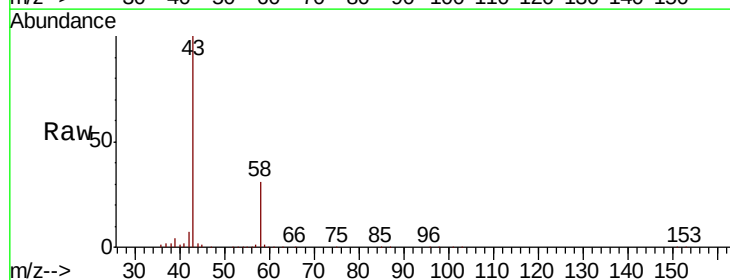
RT: 2.32 min Scan# 357

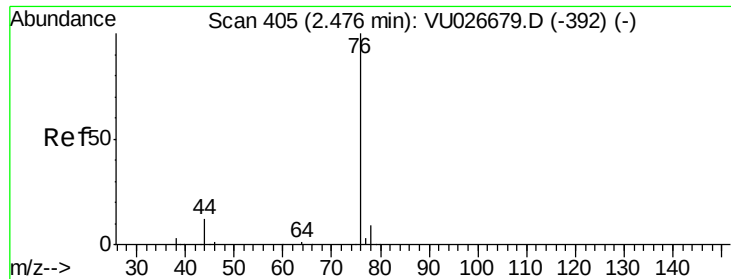
Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Tgt Ion:	43	Resp:	417419
Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.1	37.7





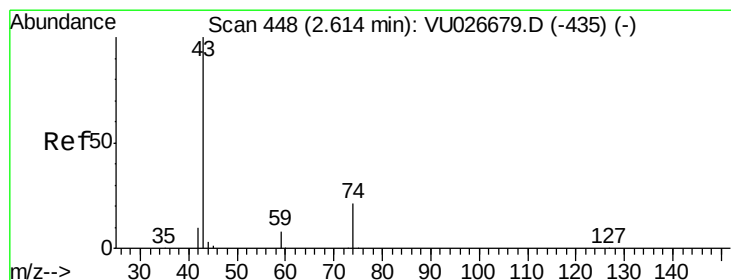
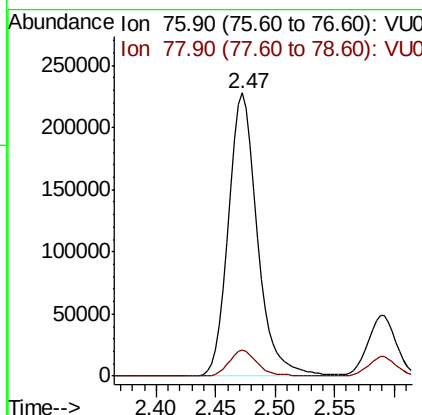
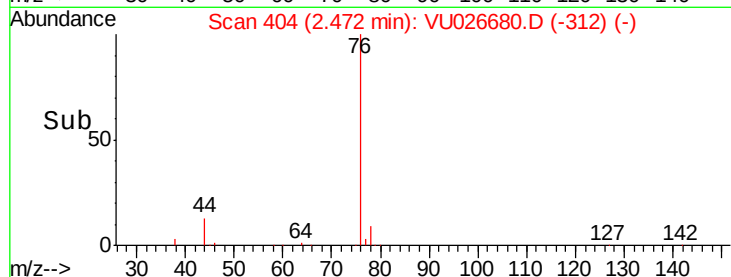
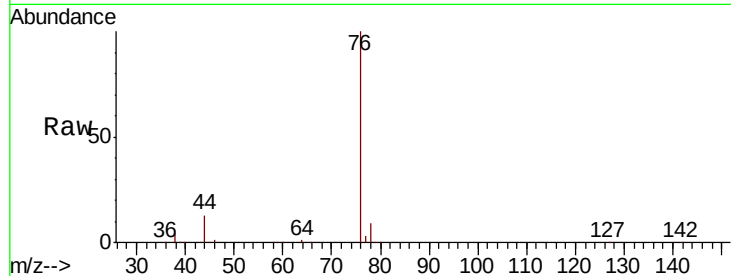
#17
Carbon Disulfide
Concen: 96.78 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

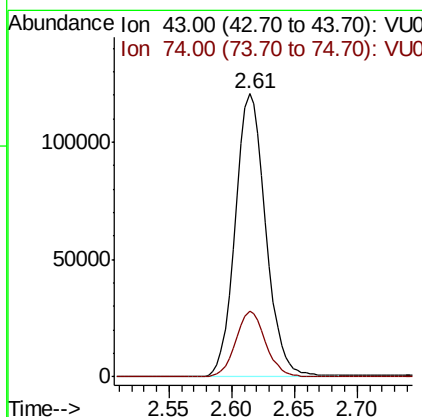
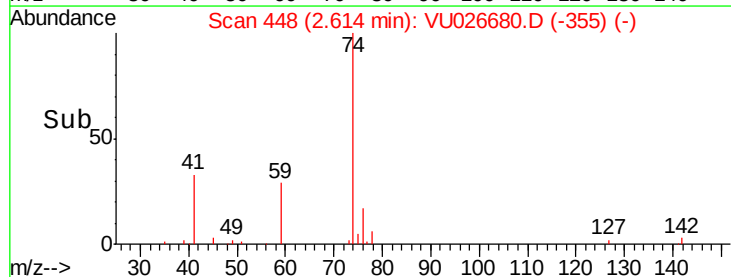
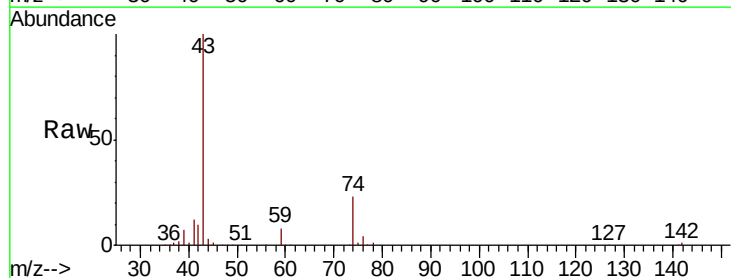
Manual Integrations
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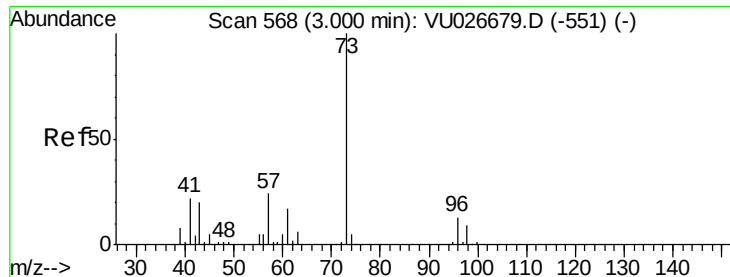
MMDadoda
9/13/2018 4:48:55 PM



#18
Methyl Acetate
Concen: 101.09 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.7	26.5





#19

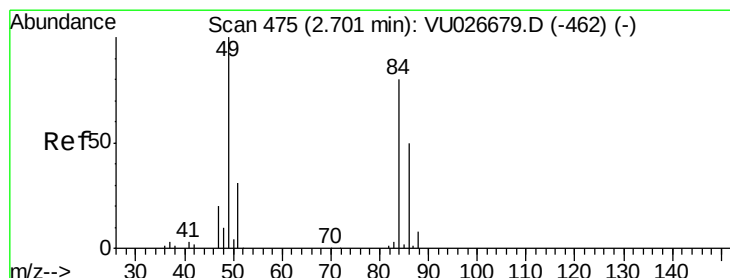
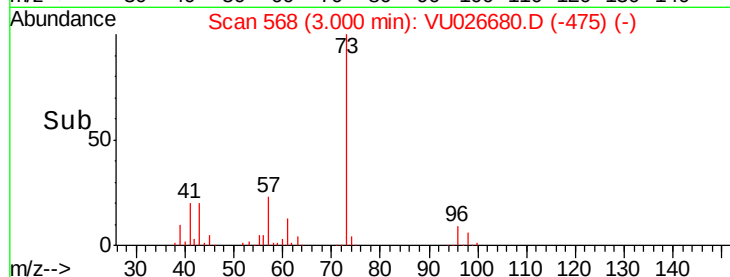
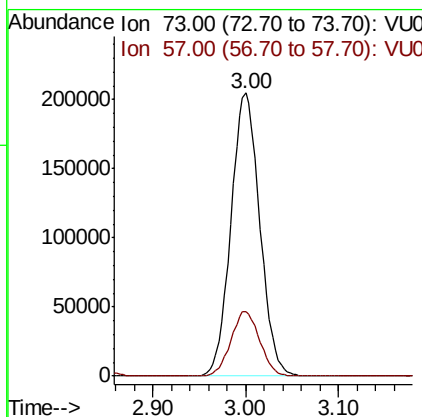
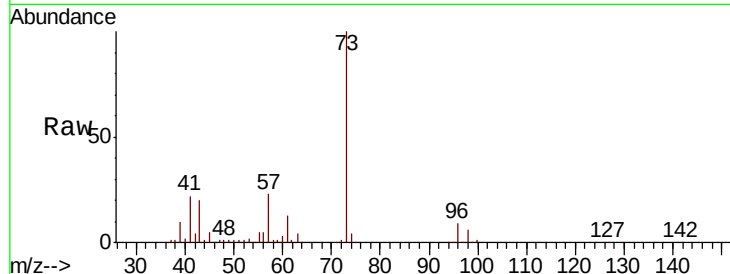
Methyl tert-butyl Ether
 Concen: 102.36 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	73	Resp	440656
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.9	28.3

Manual Integrations
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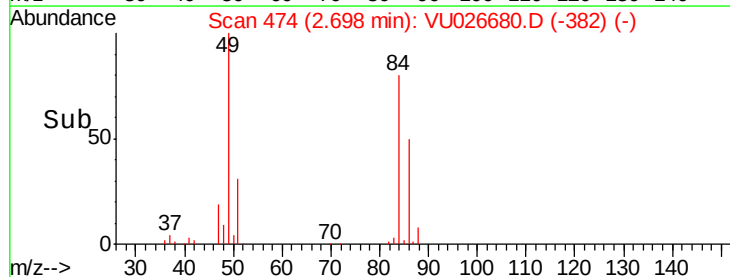
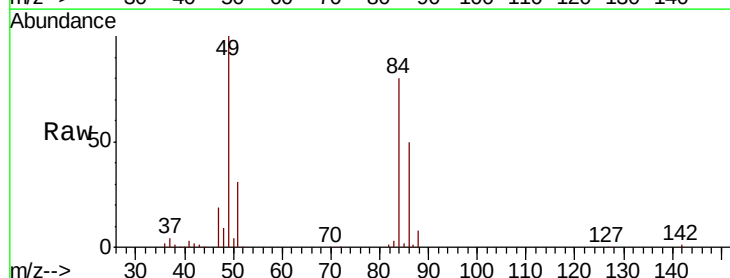
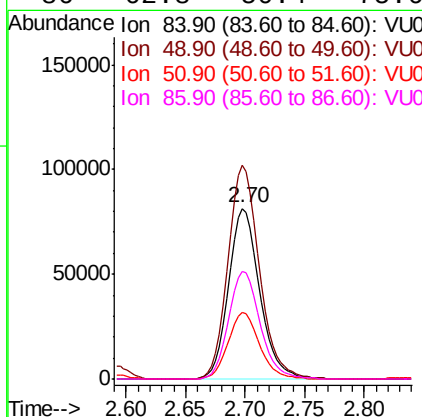
MMDadoda
 9/13/2018 4:48:55 PM

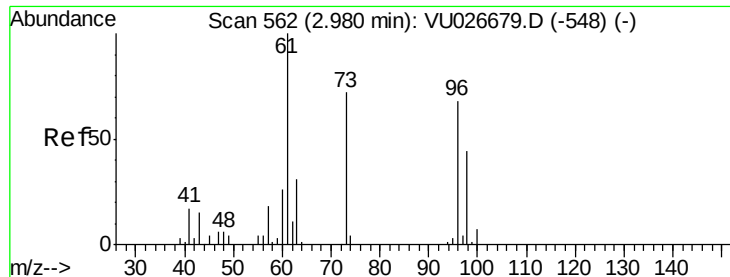


#20

Methylene Chloride
 Concen: 97.44 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	84	Resp	147819
Ion	Ratio	Lower	Upper
84	100		
49	125.1	100.6	151.0
51	38.8	30.9	46.3
86	62.8	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 102.32 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

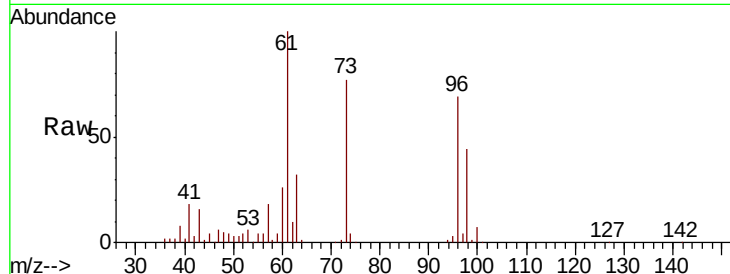
ClientSampled :

VSTDIC100

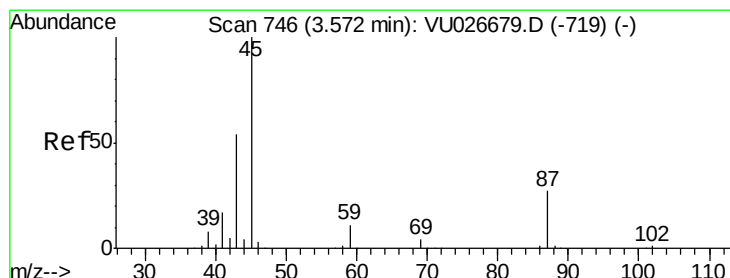
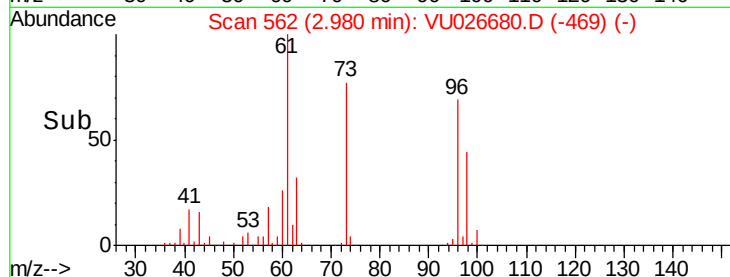
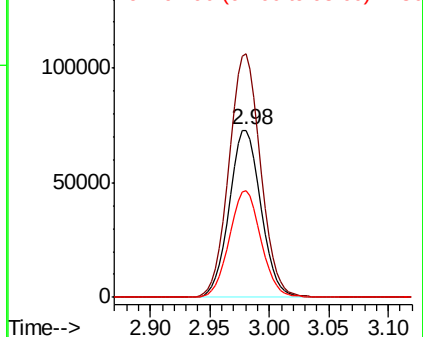
Tot Ion:	96	Resp:	134761
Ion	Ratio	Lower	Upper
96	100		
61	145.4	117.7	176.5
98	63.7	52.0	78.0

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: 103.86 ug/l

RT: 3.57 min Scan# 746

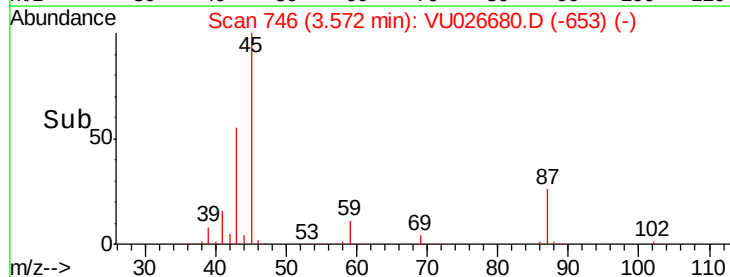
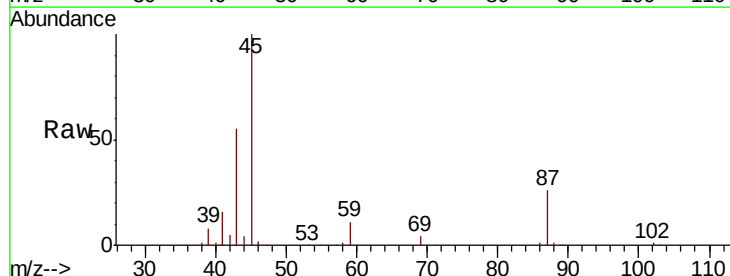
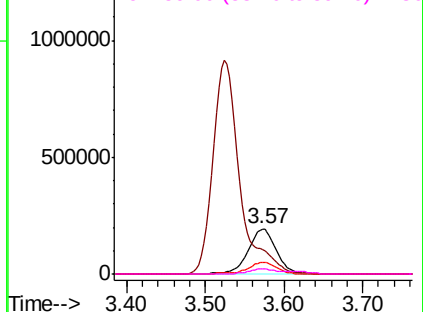
Delta R.T. 0.00 min

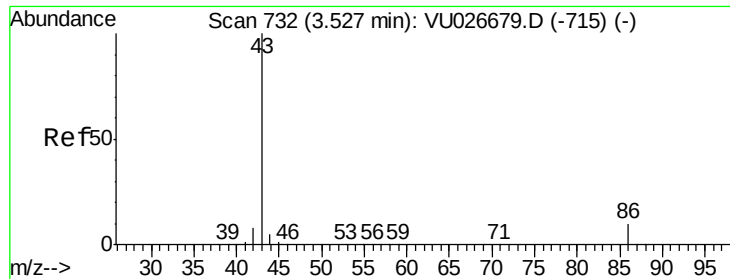
Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Tgt Ion:	45	Resp:	488114
Ion	Ratio	Lower	Upper
45	100		
43	54.6	44.6	67.0
87	26.3	21.4	32.0
59	11.3	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: 538.18 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Tot Ion: 43 Resp: 2148460

Ion Ratio Lower Upper

43 100

86 9.8 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

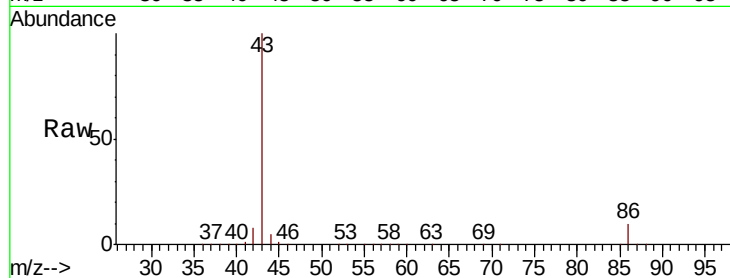
VSTDIC100

Manual Integrations

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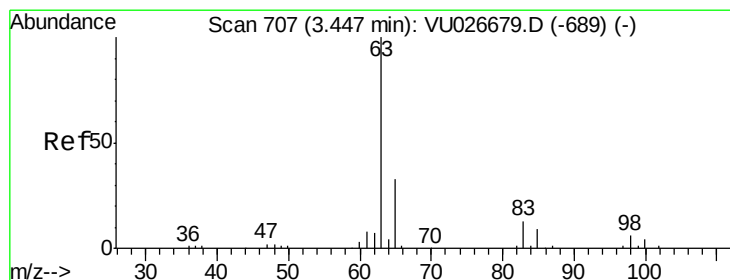
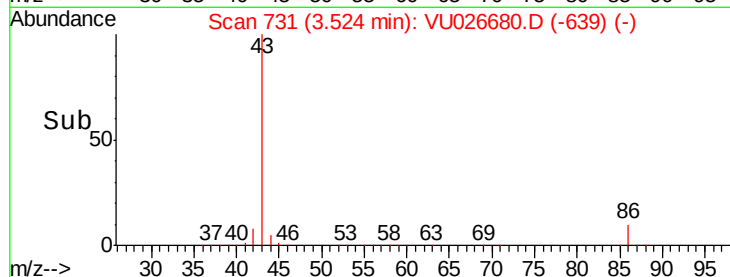
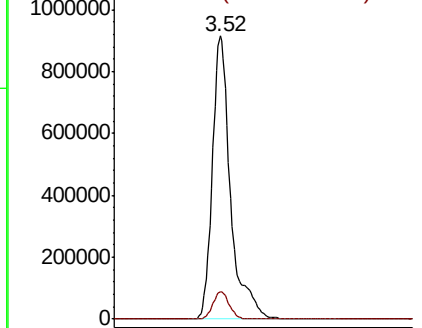
MMDadoda

9/13/2018 4:48:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 101.43 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

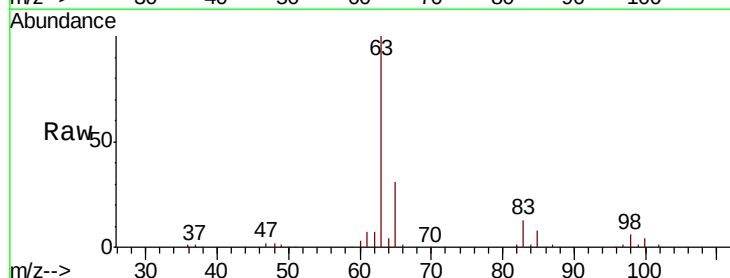
Tgt Ion: 63 Resp: 268898

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

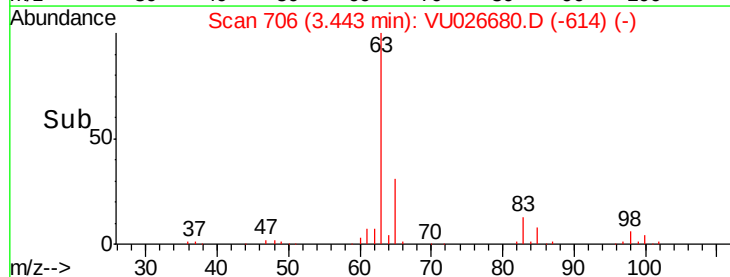
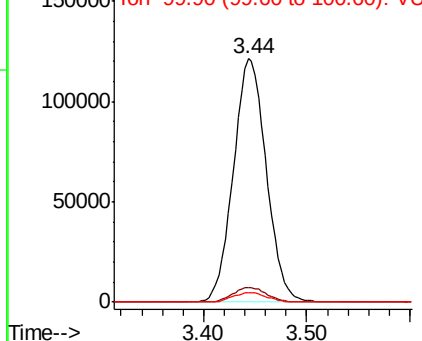
100 4.1 2.0 6.0

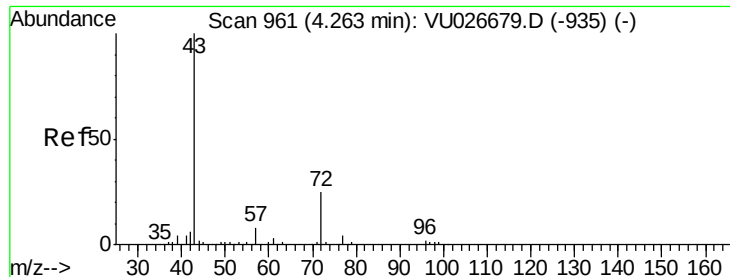


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 503.43 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 634261

Ion Ratio Lower Upper

43 100

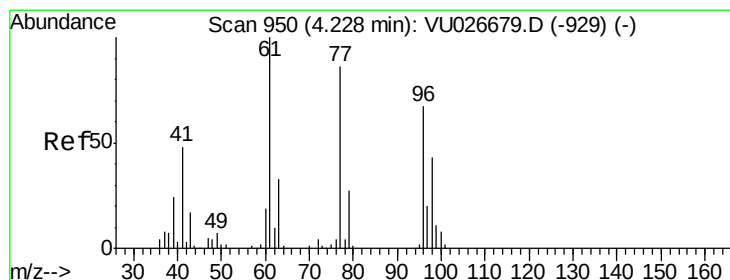
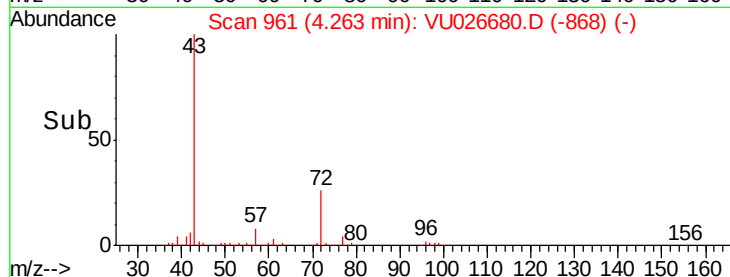
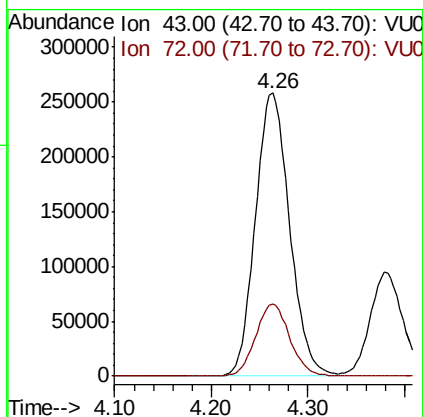
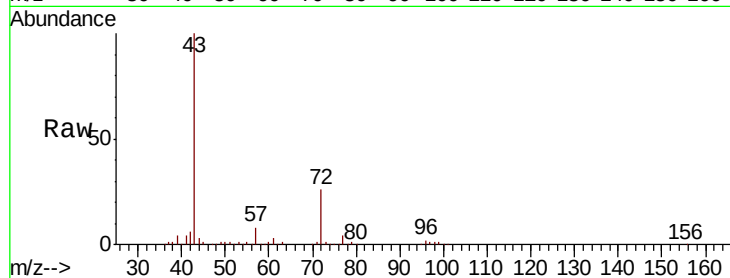
72 25.6 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 100.52 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU026680.D

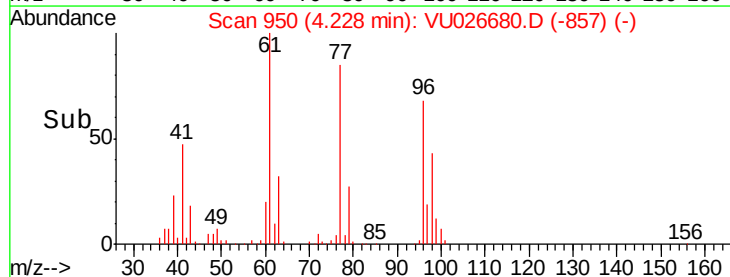
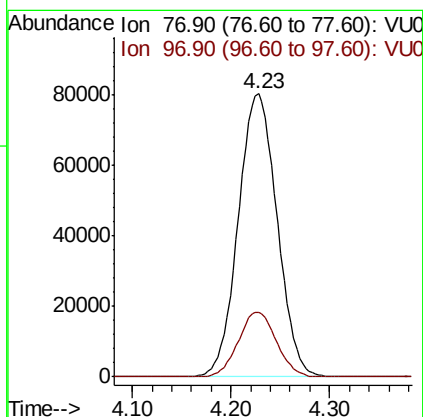
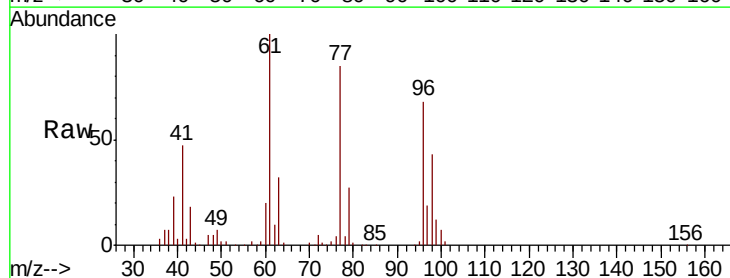
Acq: 11 Sep 2018 12:07

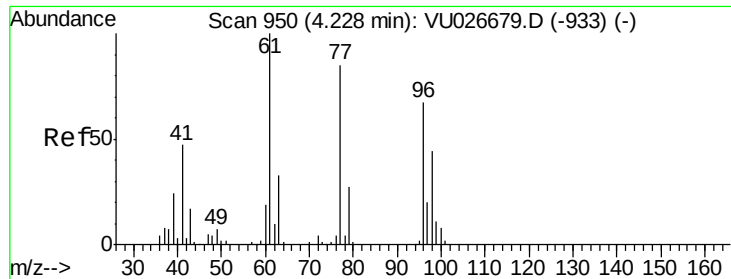
Tgt Ion: 77 Resp: 219054

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.8





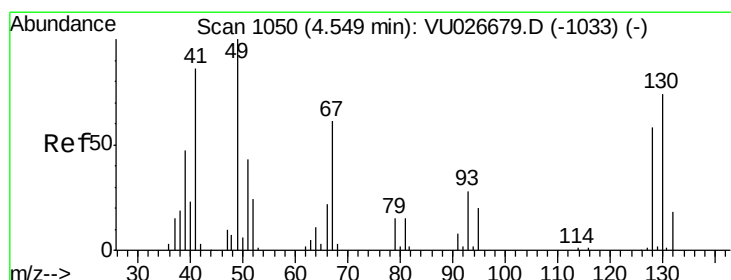
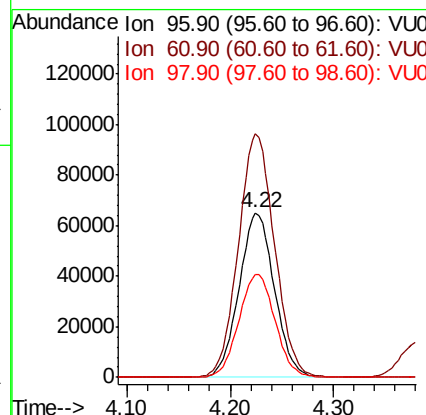
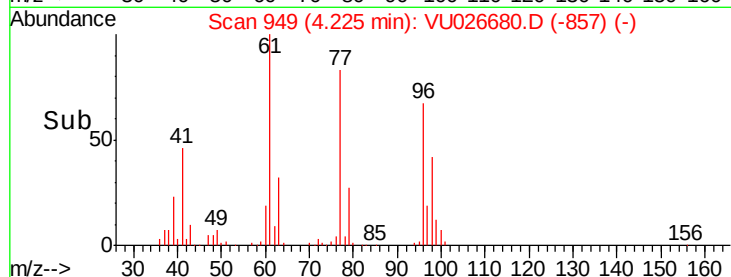
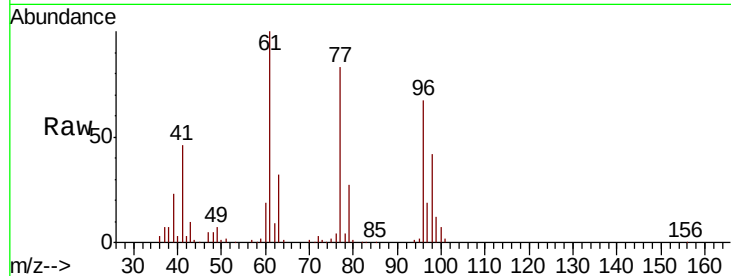
#27
 cis-1,2-Dichloroethene
 Concen: 102.12 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	301.8
98	64.1	0.0	127.2

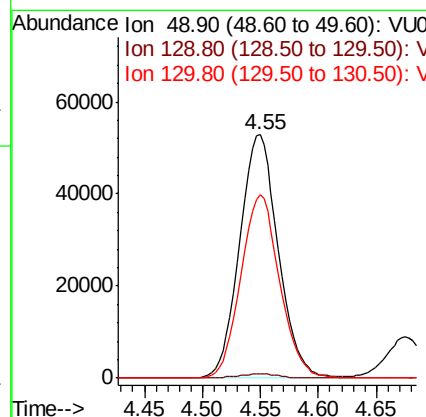
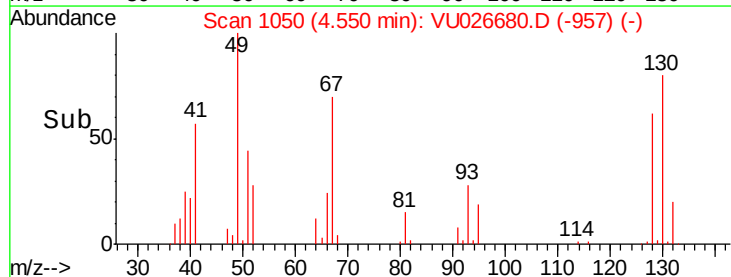
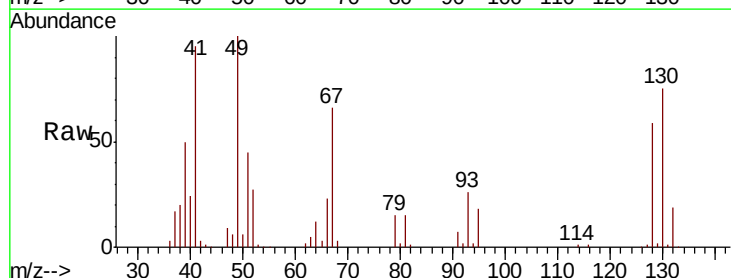
Manual Integrations
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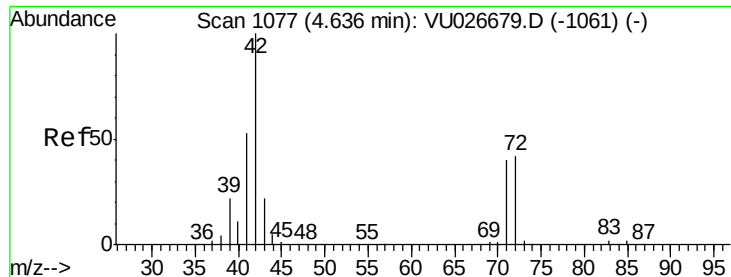
MMDadoda
 9/13/2018 4:48:55 PM



#28
 Bromochloromethane
 Concen: 96.59 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	75.6	59.8	89.6





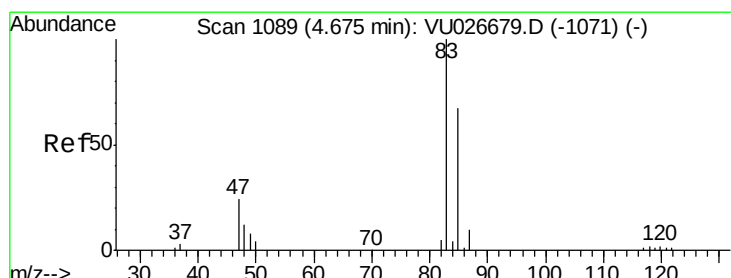
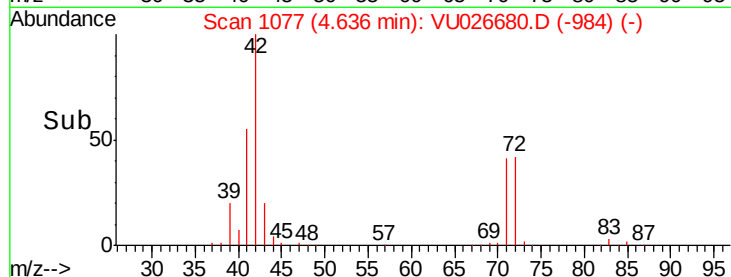
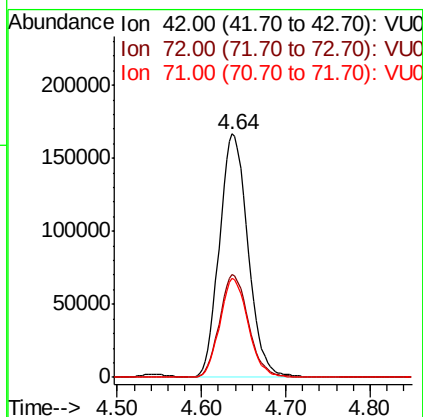
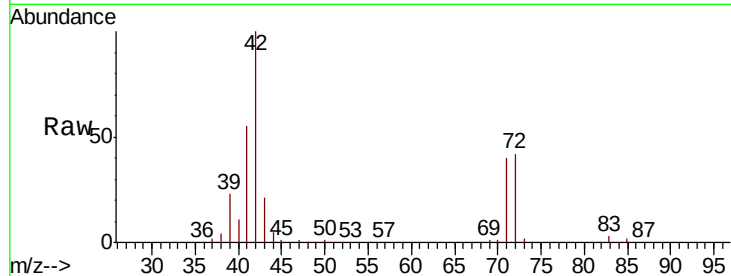
#29
Tetrahydrofuran
Concen: 515.20 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.4	51.6
71	40.2	32.4	48.6

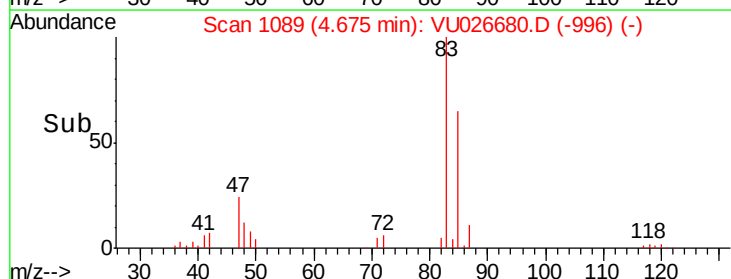
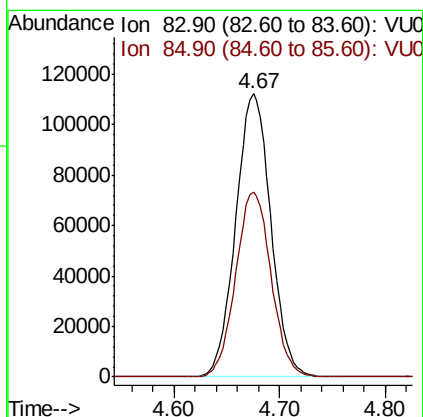
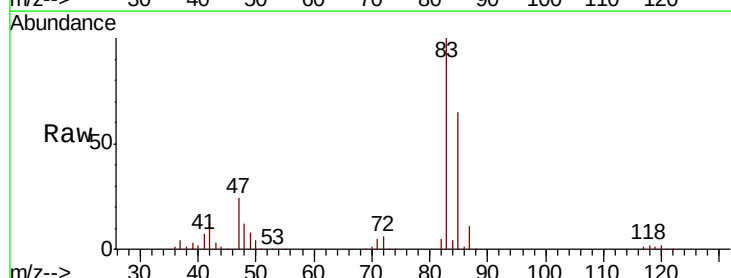
Manual Integrations
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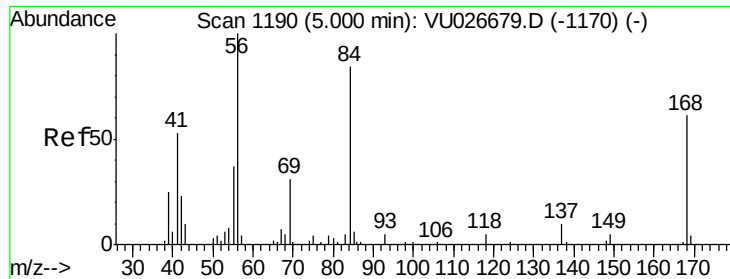
MMDadoda
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#30
Chloroform
Concen: 99.67 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.3	79.9





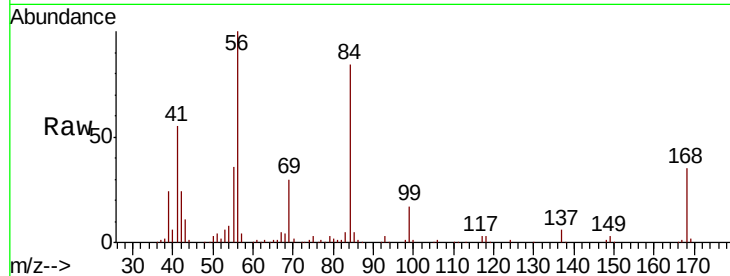
#31
Cyclohexane
Concen: 87.44 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

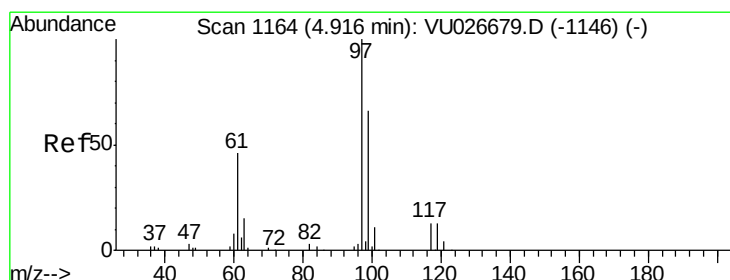
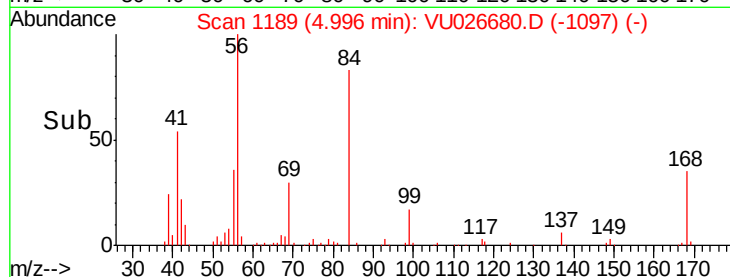
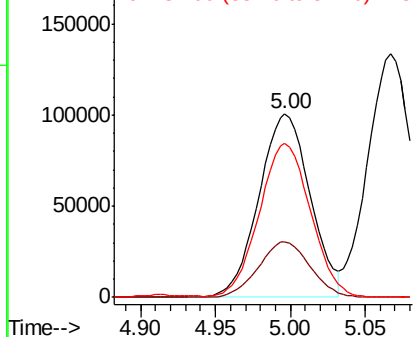
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.9	37.3
84	83.1	66.6	100.0

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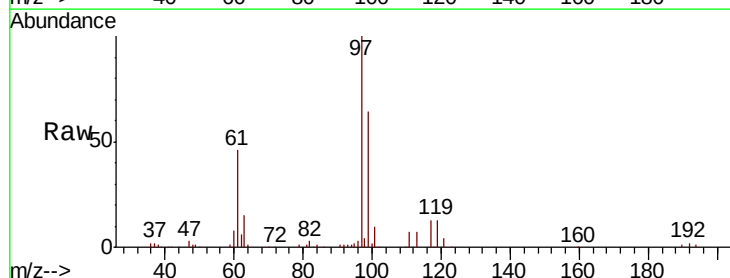


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

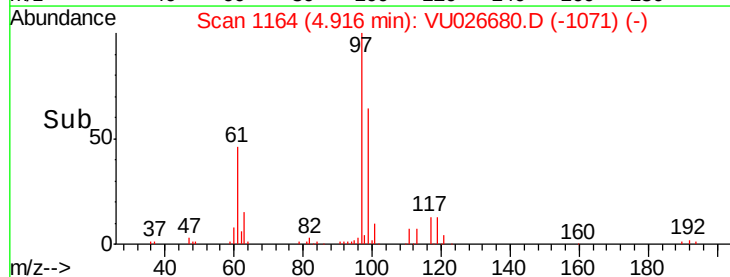
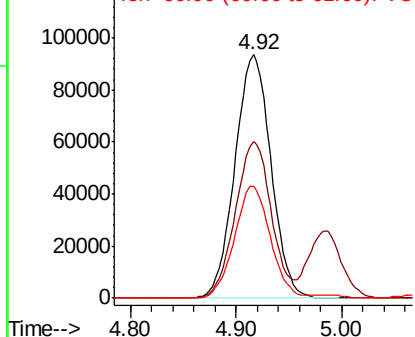


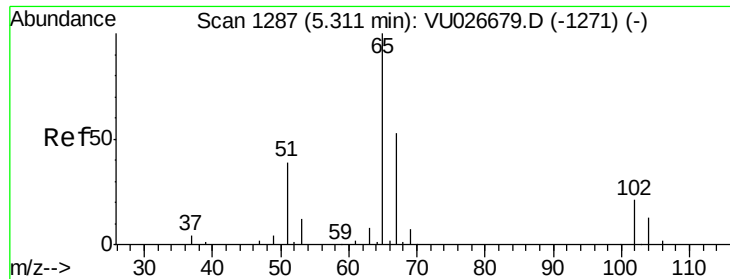
#32
1,1,1-Trichloroethane
Concen: 103.01 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.2	78.2
61	45.7	36.8	55.2



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





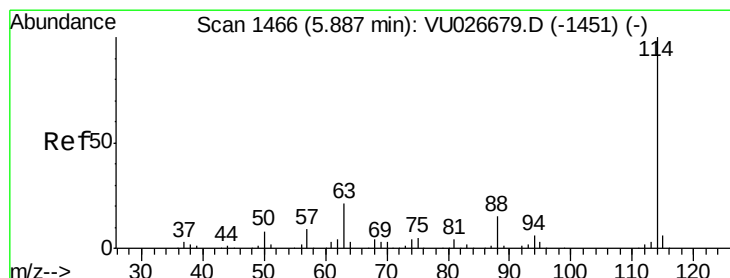
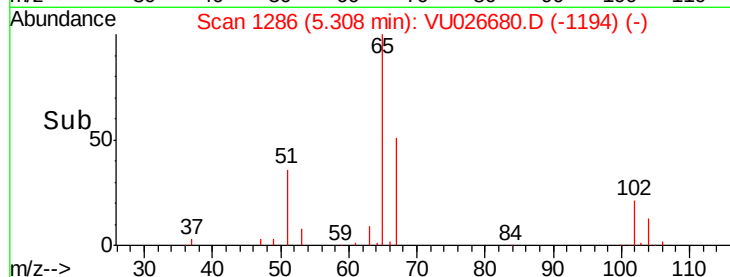
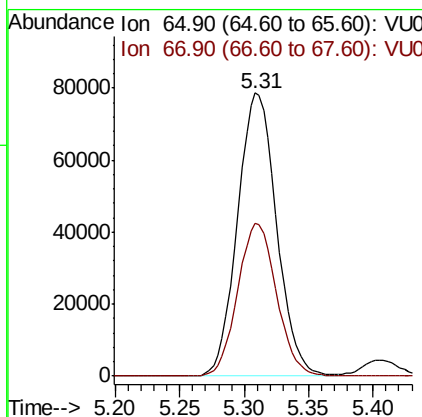
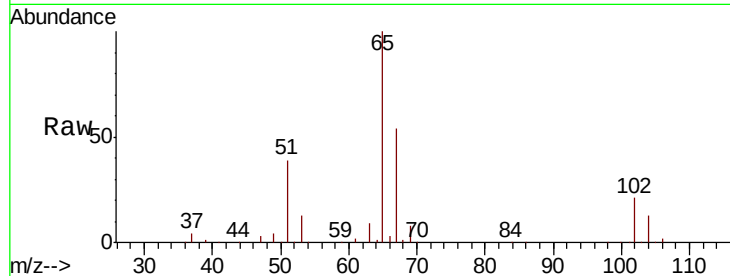
#33
 1,2-Dichloroethane-d4
 Concen: 100.46 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165950		
67	53.7	0.0	106.4	

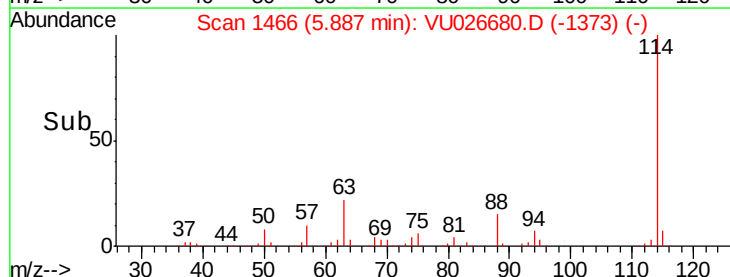
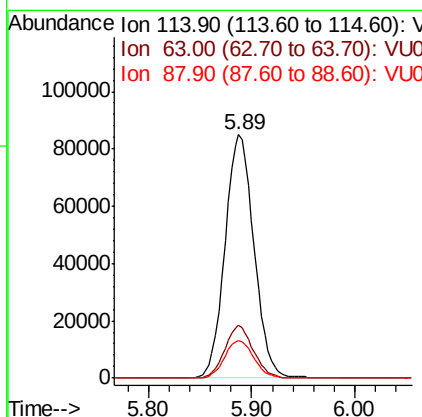
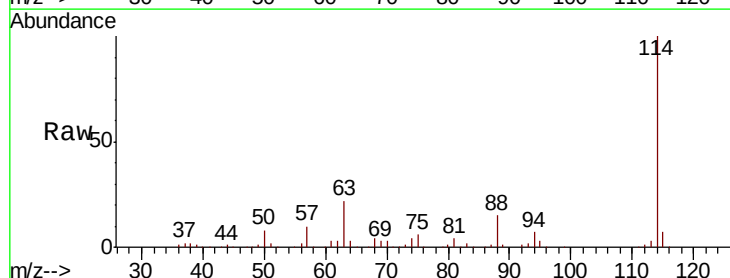
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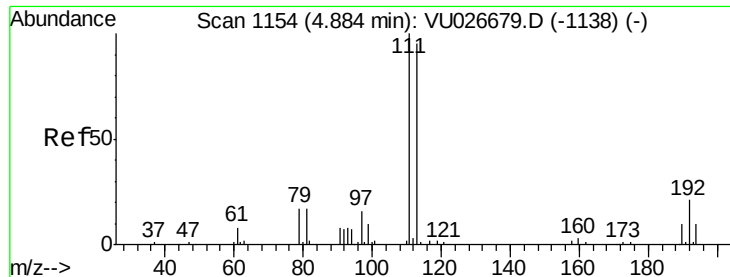
MMDadoda
 9/13/2018 4:48:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	166104		
63	21.5	0.0	41.4	
88	15.2	0.0	30.8	





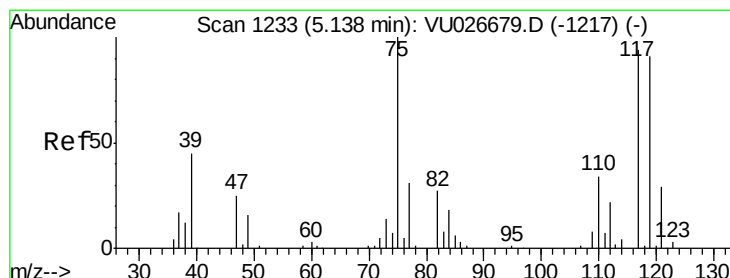
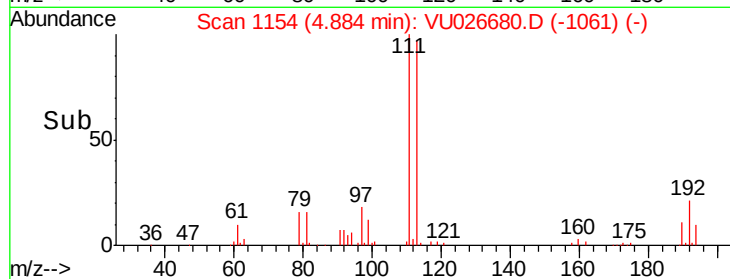
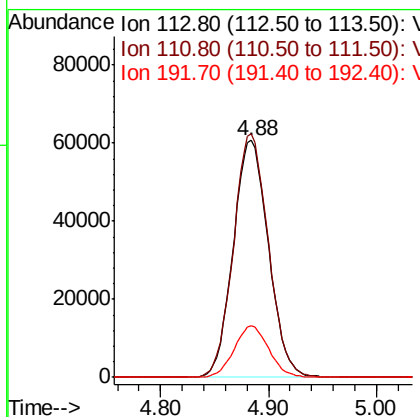
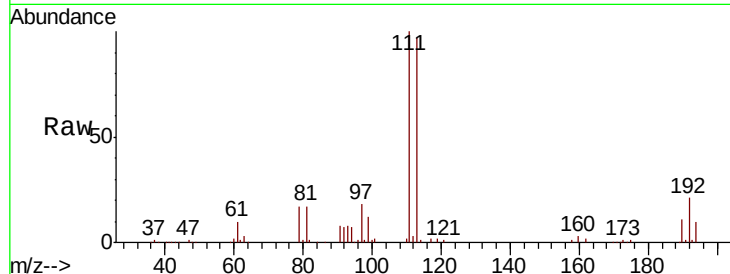
#35
 Dibromofluoromethane
 Concen: 102.08 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.6	83.1	124.7	
192	21.2	17.4	26.2	

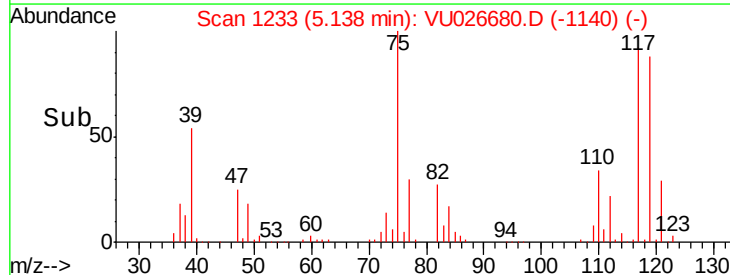
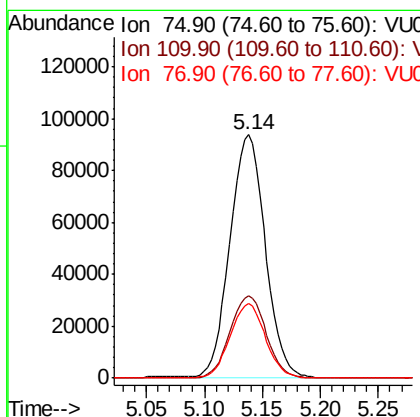
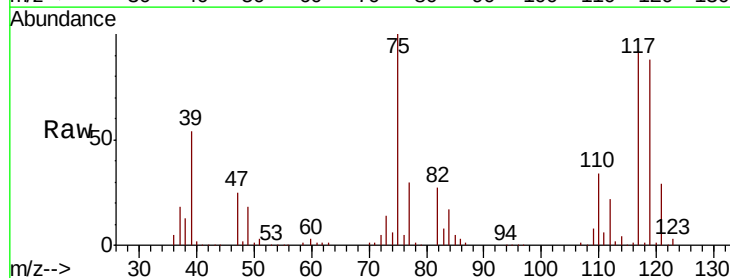
Manual Integrations
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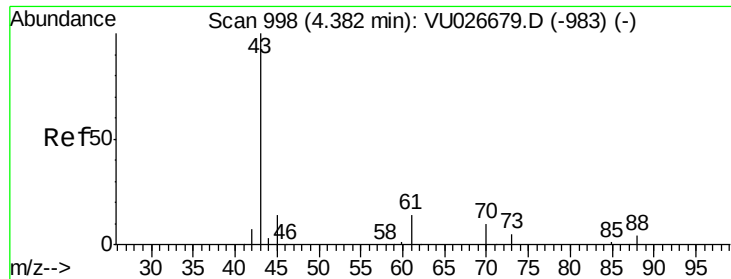
MMDadoda
 9/13/2018 4:48:55 PM



#36
 1,1-Dichloropropene
 Concen: 106.25 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.5	17.3	51.9	
77	30.7	24.9	37.3	





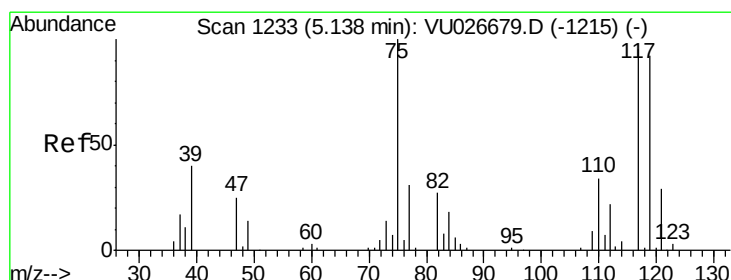
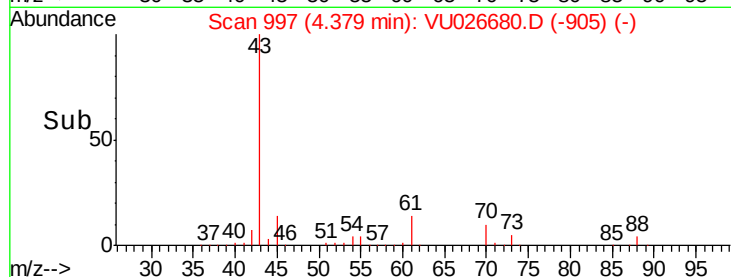
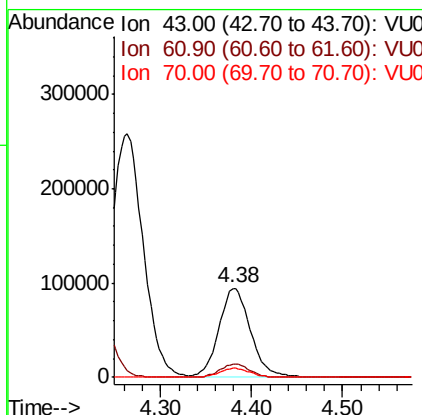
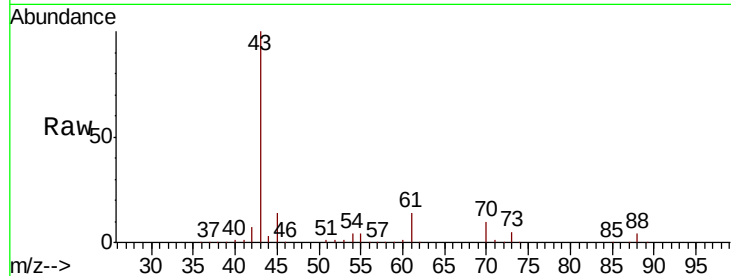
#37
Ethyl Acetate
Concen: 101.01 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:	43	Resp:	226523
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.0	7.8	11.8

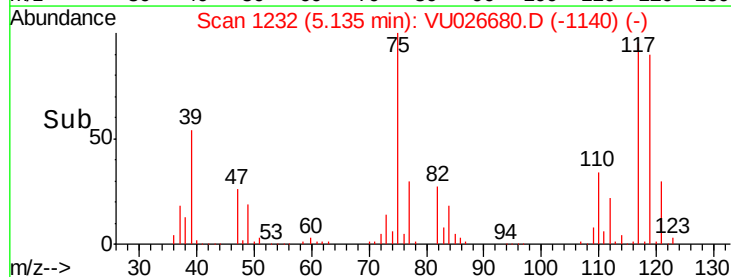
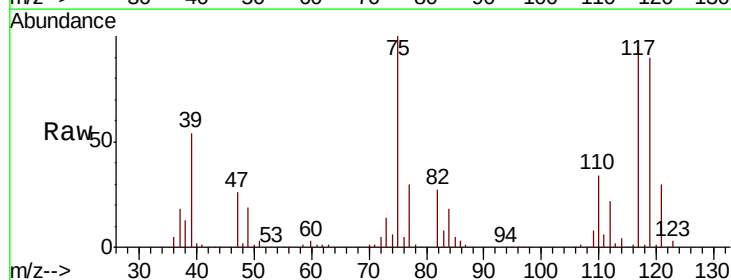
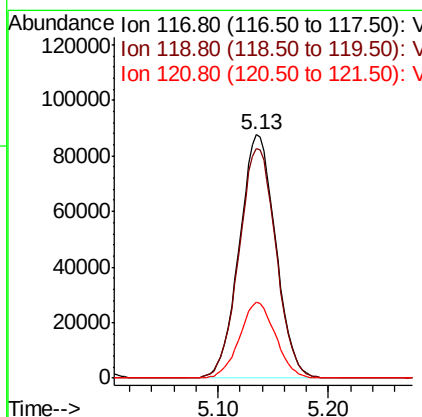
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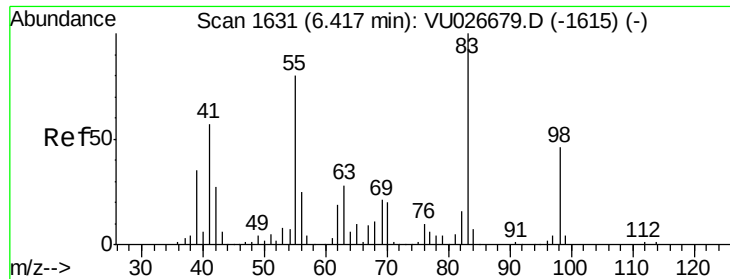
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9/13/2018 4:48:55 PM



#38
Carbon Tetrachloride
Concen: 101.29 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion:	117	Resp:	199579
Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.8	116.8
121	31.0	25.0	37.4





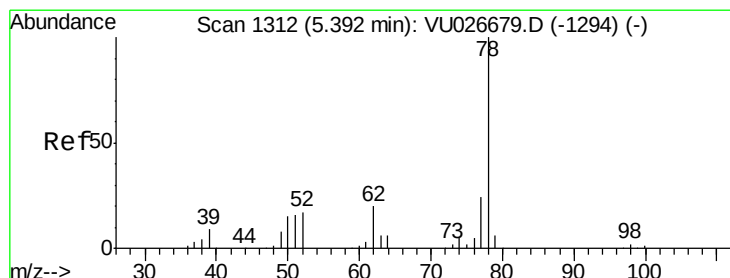
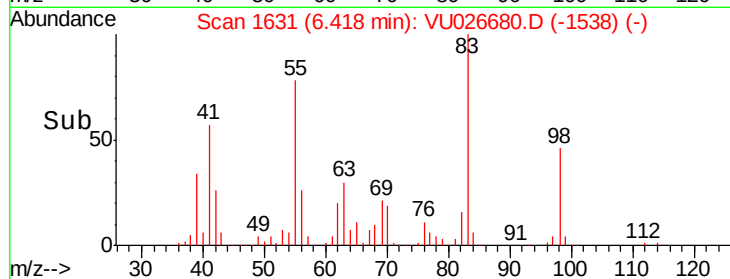
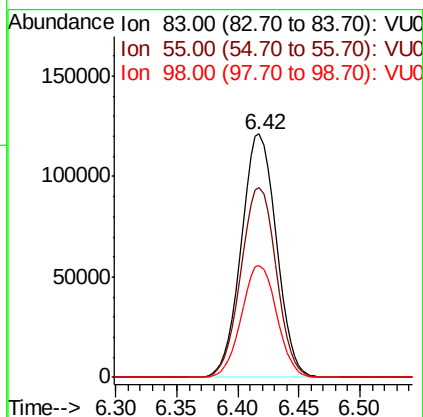
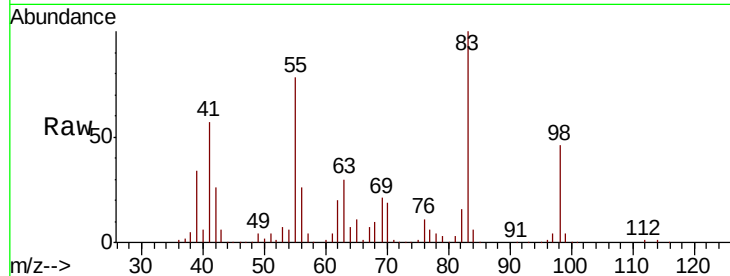
#39
Methylvlcyclohexane
Concen: 108.63 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	63.8	95.6
98	46.1	37.2	55.8

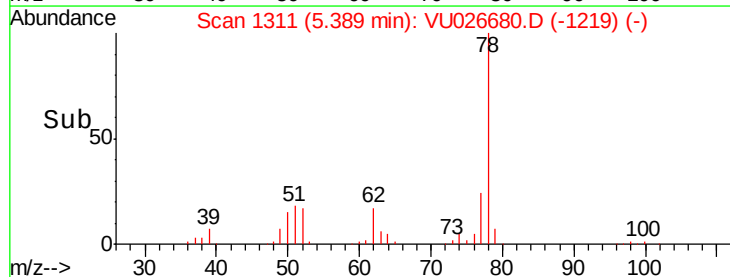
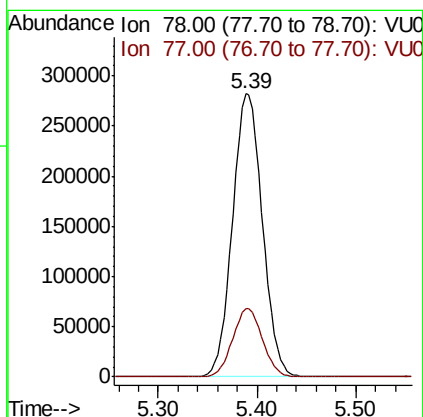
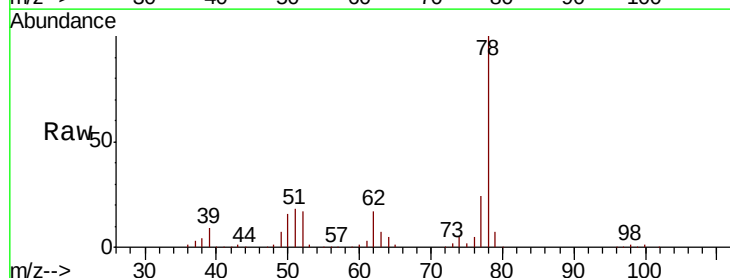
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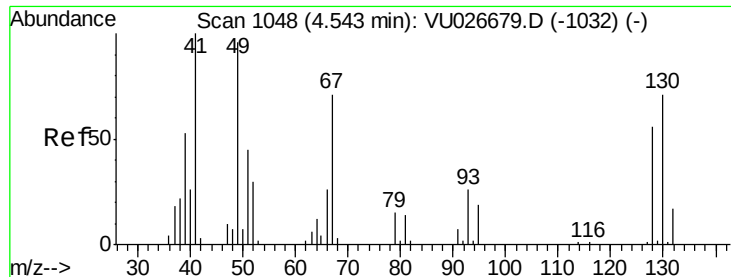
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#40
Benzene
Concen: 102.18 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





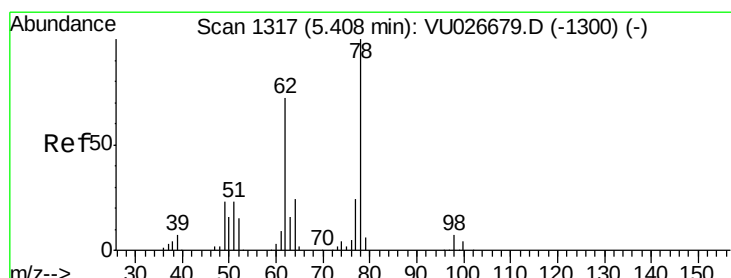
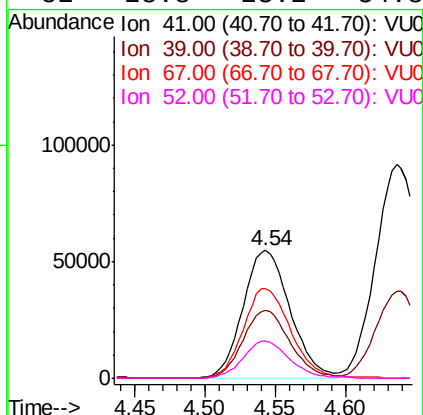
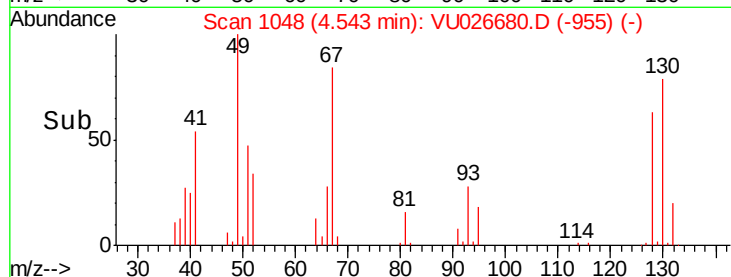
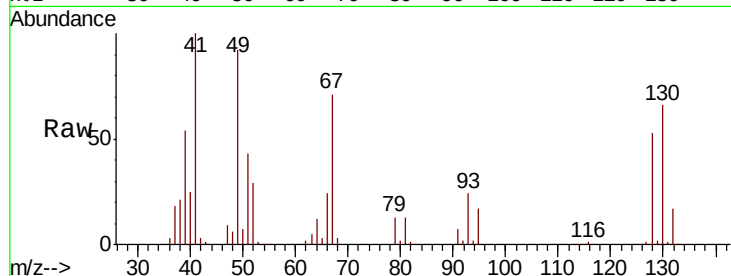
#41
Methacrylonitrile
Concen: 110.40 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		128503		
39	53.0	42.9	64.3		
67	70.8	56.6	84.8		
52	28.8	23.2	34.8		

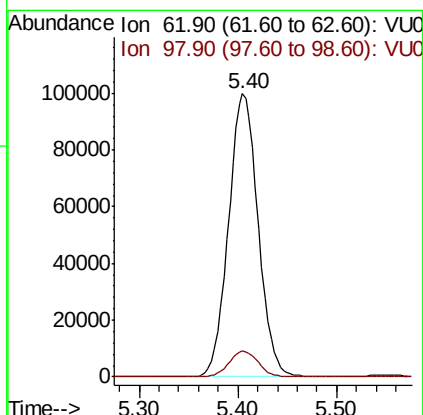
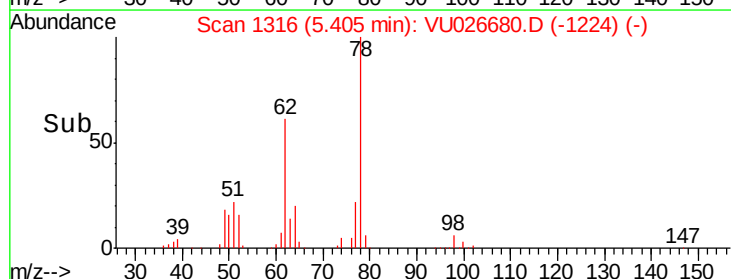
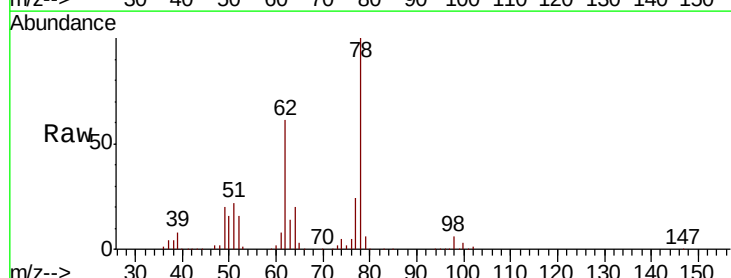
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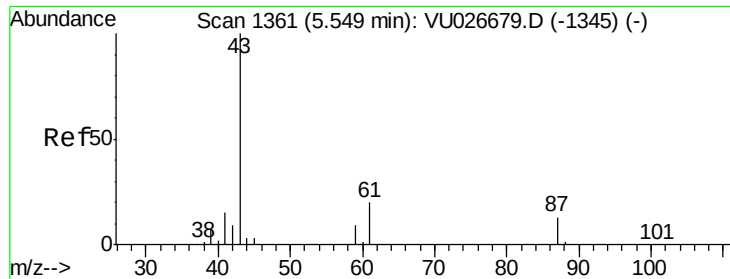
MMDadoda
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#42
1,2-Dichloroethane
Concen: 101.01 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		208613		
98	9.0	0.0	17.8		





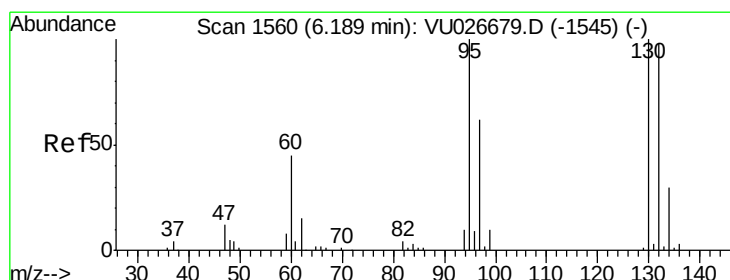
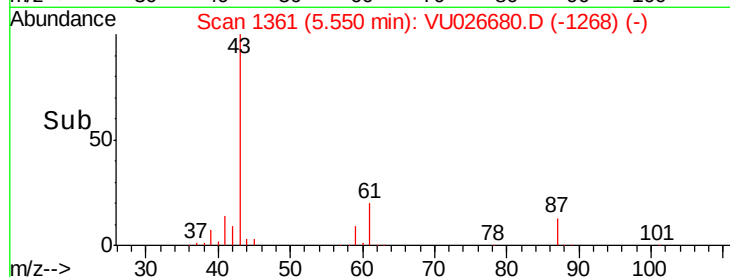
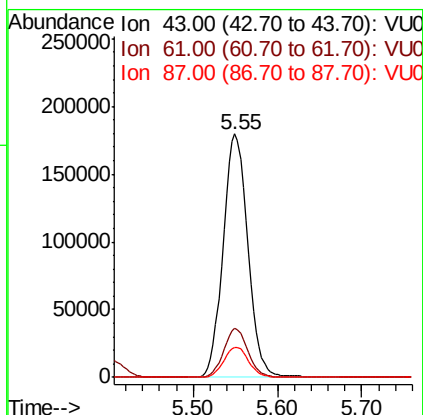
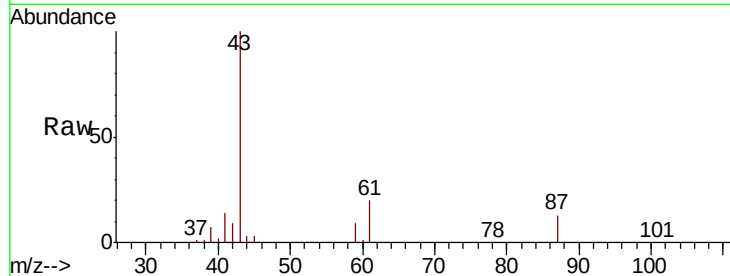
#43
Isopropyl Acetate
Concen: 107.11 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.0	24.0
87	12.5	10.1	15.1

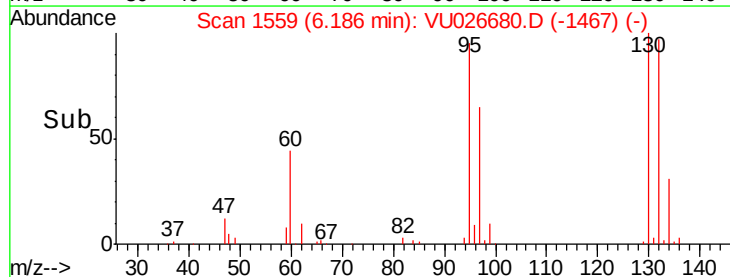
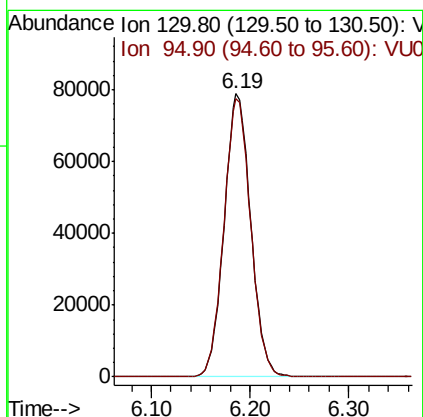
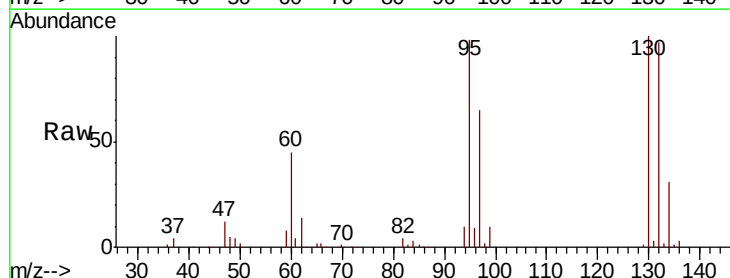
Manual Integrations
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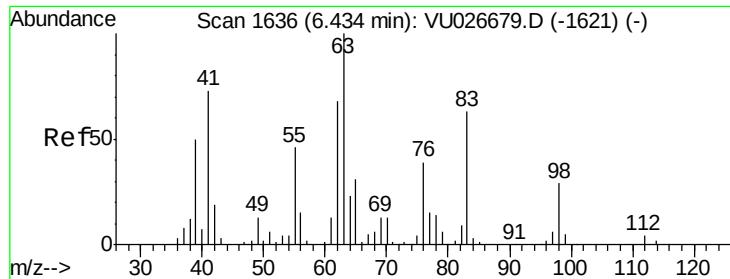
MMDadoda
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#44
Trichloroethene
Concen: 104.12 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	199.4





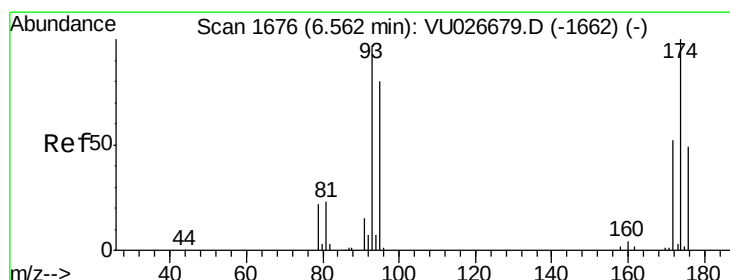
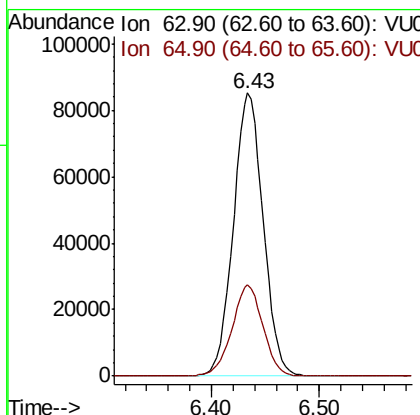
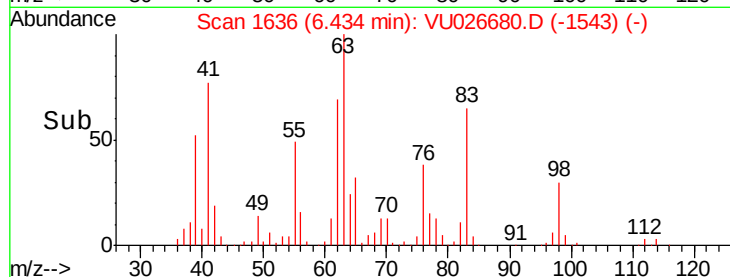
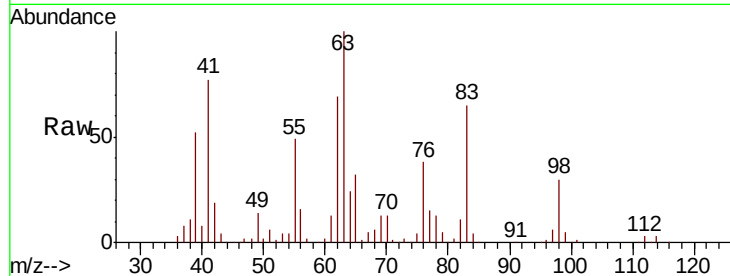
#45
 1,2-Dichloropropane
 Concen: 104.08 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 163872
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.0 37.4

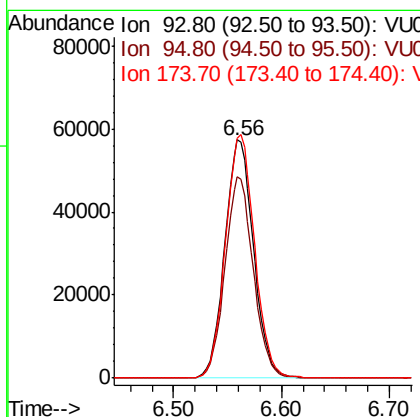
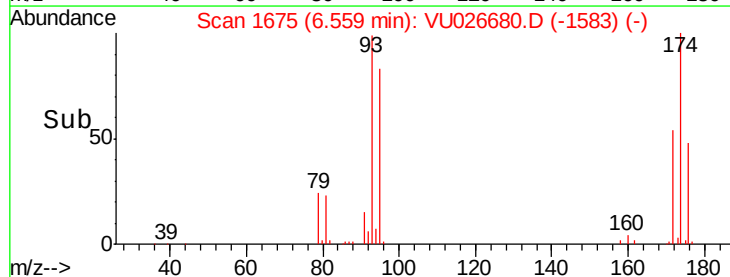
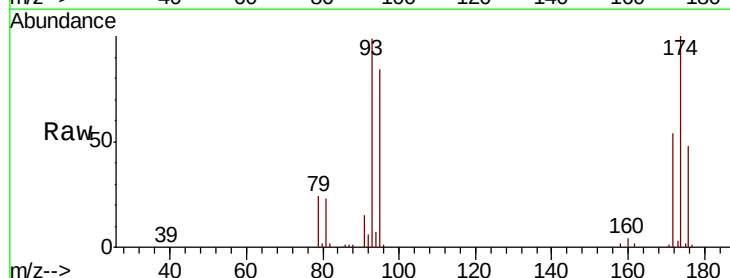
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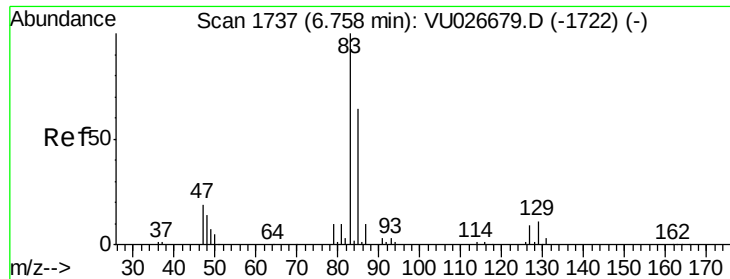
MMDadoda
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#46
 Dibromomethane
 Concen: 104.73 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion: 93 Resp: 106406
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.4 98.2
 174 103.4 81.6 122.4





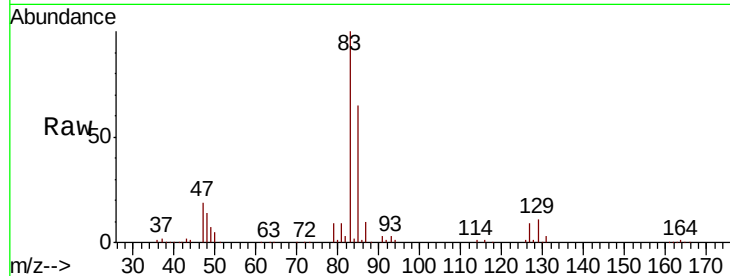
#47
Bromodichloromethane
Concen: 104.01 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	208096		
85	64.8		51.1	76.7
127	8.6		6.9	10.3

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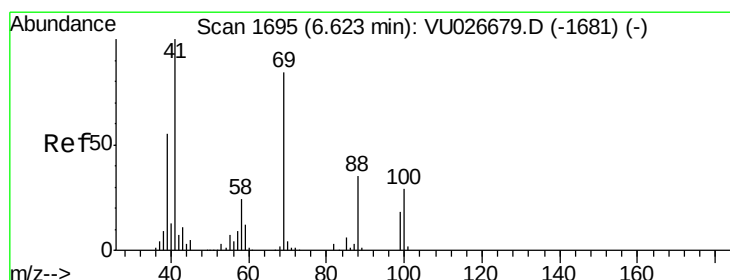
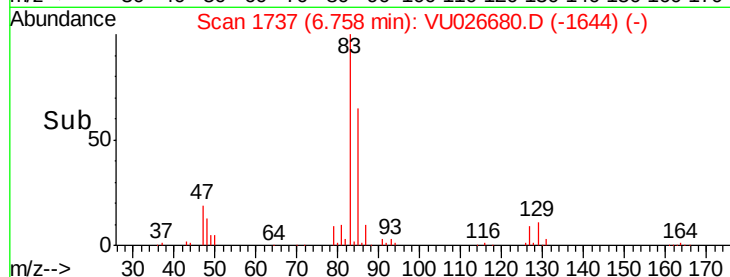
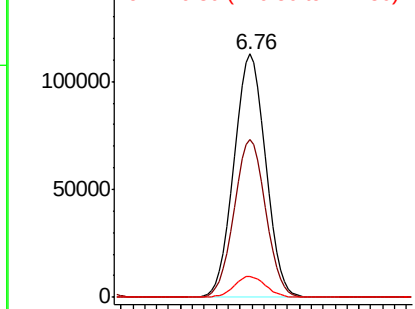


Abundance

Ion 82.90 (82.60 to 83.60): VU026680.D (-1644) (-)

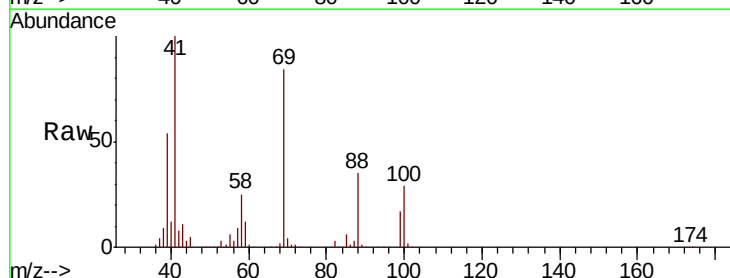
Ion 84.90 (84.60 to 85.60): VU026680.D (-1644) (-)

Ion 126.80 (126.50 to 127.50): VU026680.D (-1644) (-)



#48
Methyl methacrylate
Concen: 111.49 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	187866		
69	83.1		66.6	99.8
39	53.5		43.6	65.4

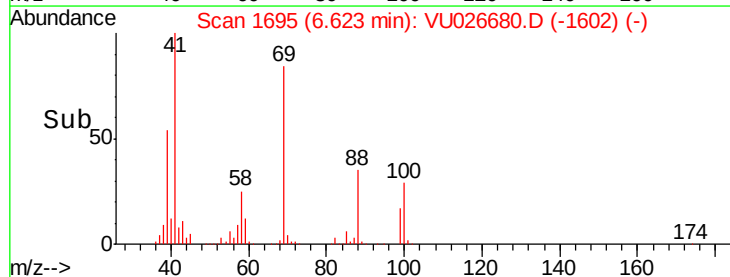
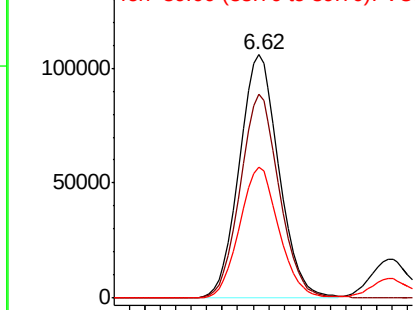


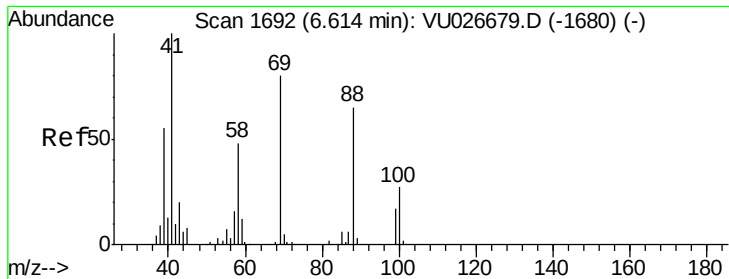
Abundance

Ion 41.00 (40.70 to 41.70): VU026680.D (-1602) (-)

Ion 69.00 (68.70 to 69.70): VU026680.D (-1602) (-)

Ion 39.00 (38.70 to 39.70): VU026680.D (-1602) (-)





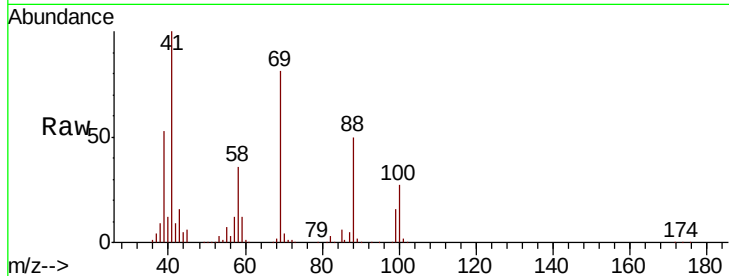
#49
1,4-Dioxane
Concen: 2160.78 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.5	38.3
58	72.5	58.2	87.4

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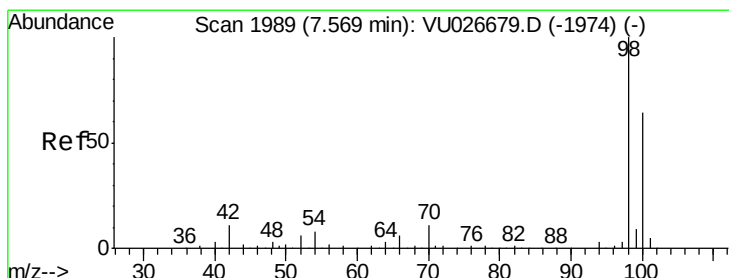
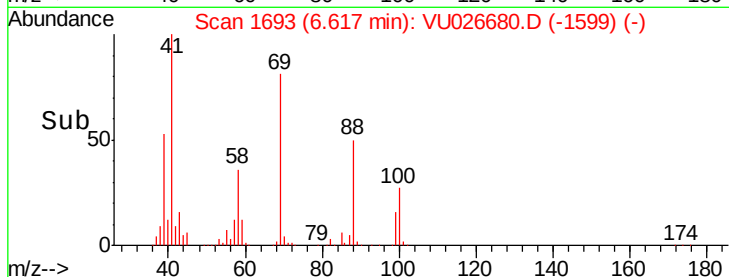
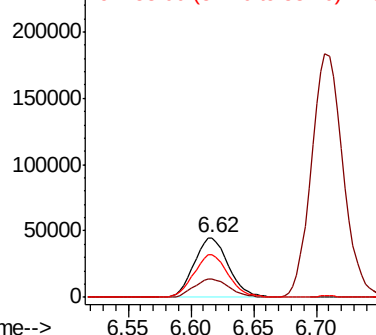


Abundance

Ion 88.00 (87.70 to 88.70): VU0

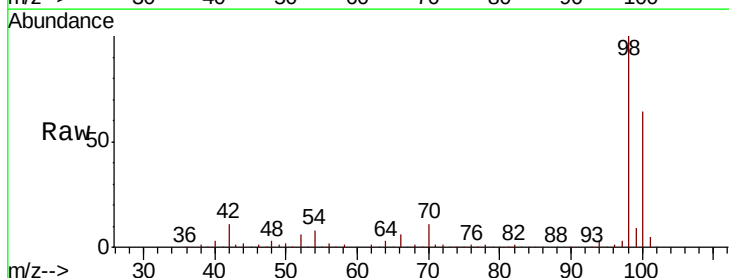
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50
Toluene-d8
Concen: 103.30 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

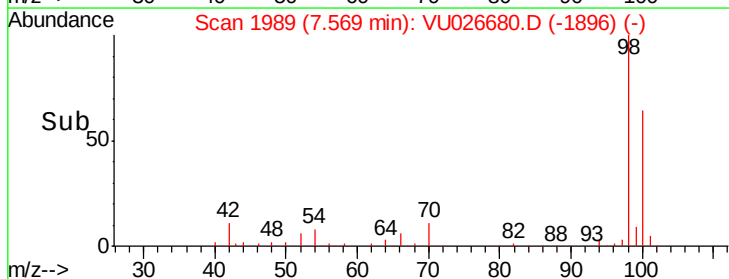
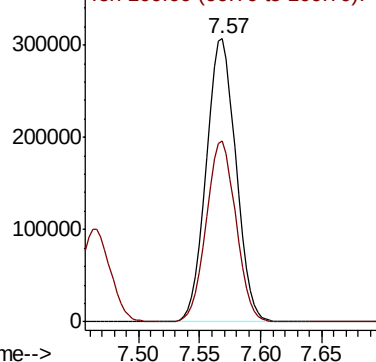
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8

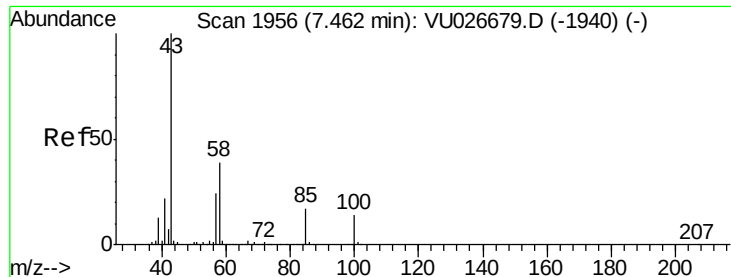


Abundance

Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





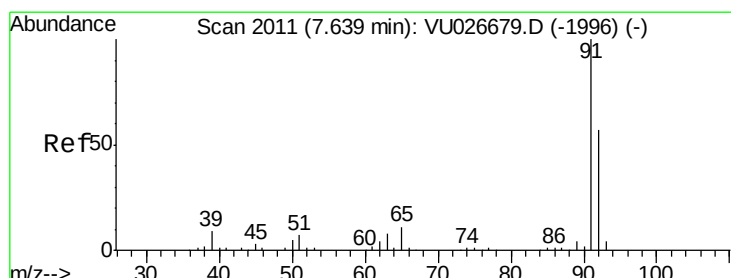
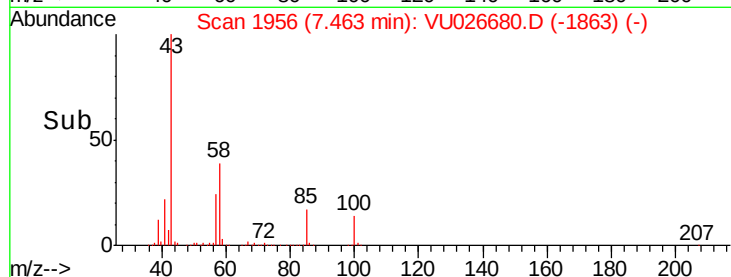
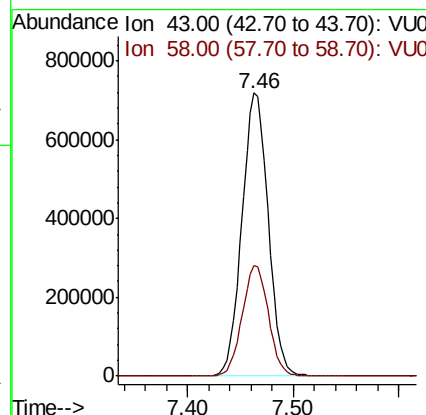
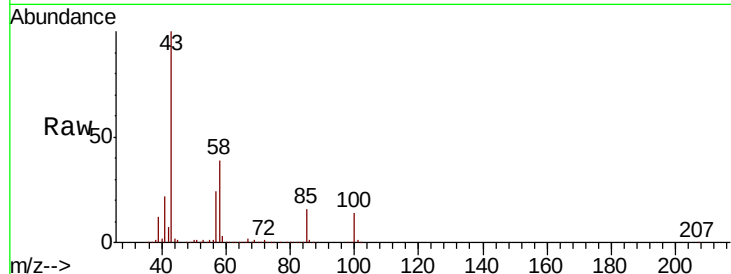
#51
4-Methyl-2-Pentanone
Concen: 544.11 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1242802
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7

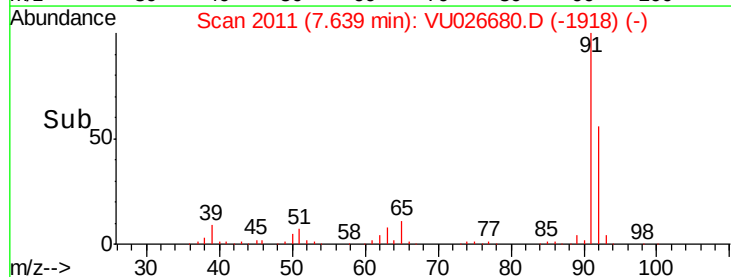
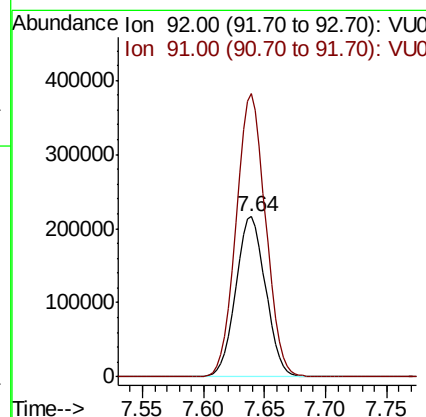
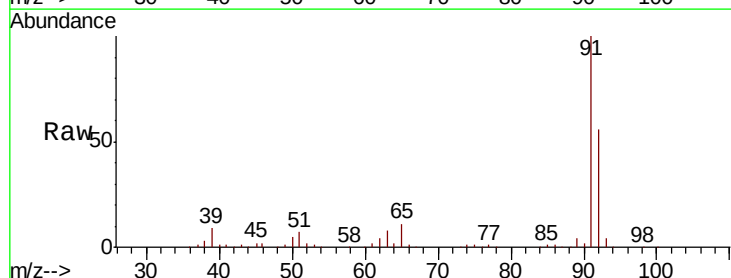
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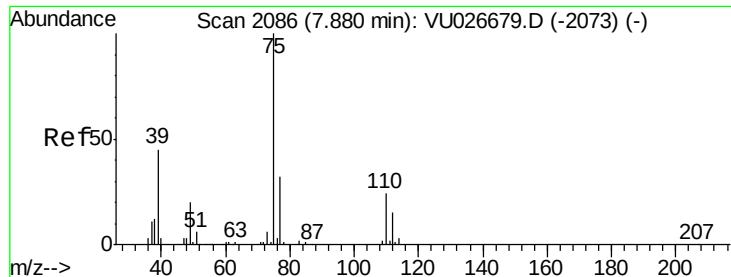
MMDadoda
9/13/2018 4:48:55 PM



#52
Toluene
Concen: 106.36 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion: 92 Resp: 366936
Ion Ratio Lower Upper
92 100
91 175.3 141.1 211.7





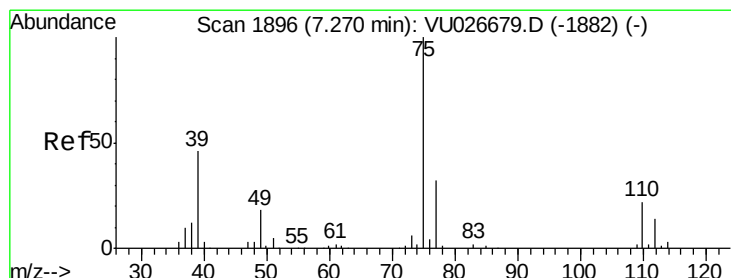
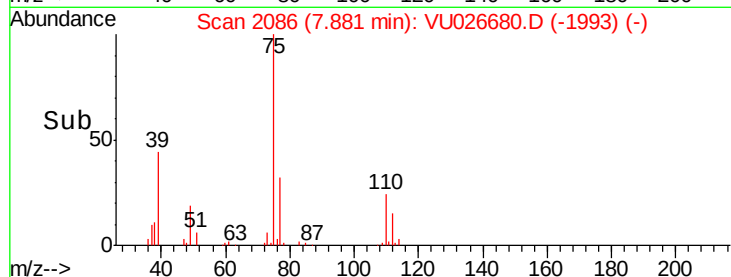
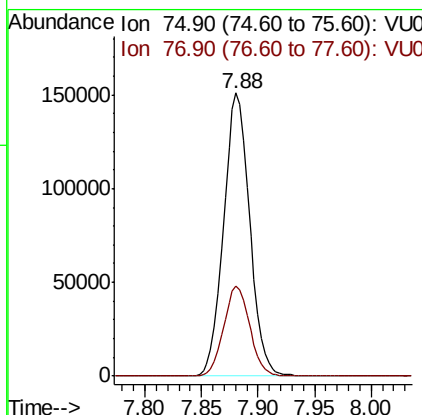
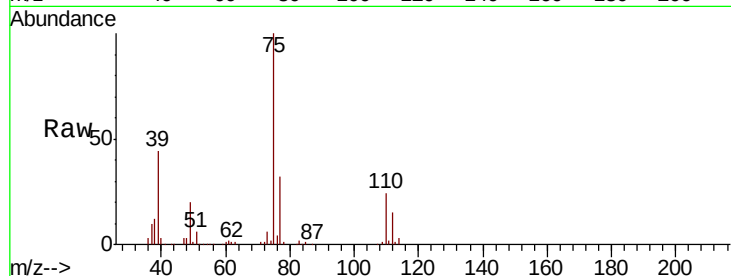
#53
t-1,3-Dichloropropene
Concen: 109.26 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8

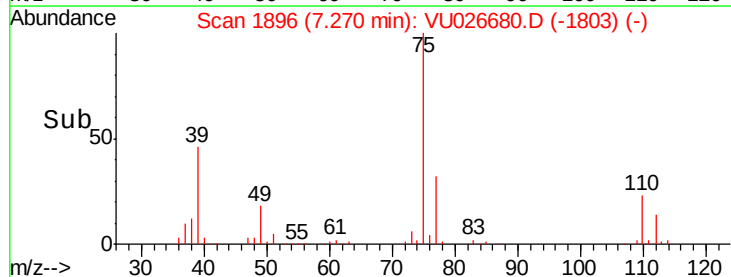
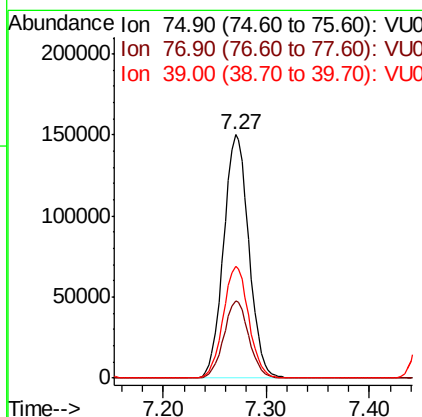
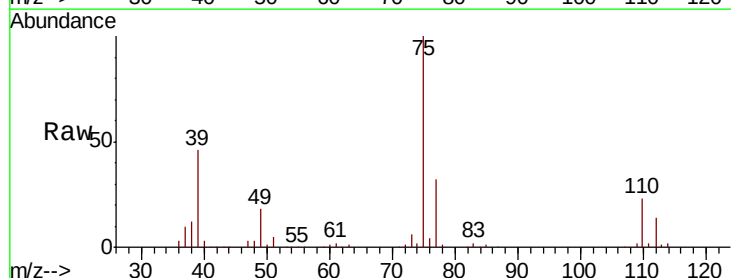
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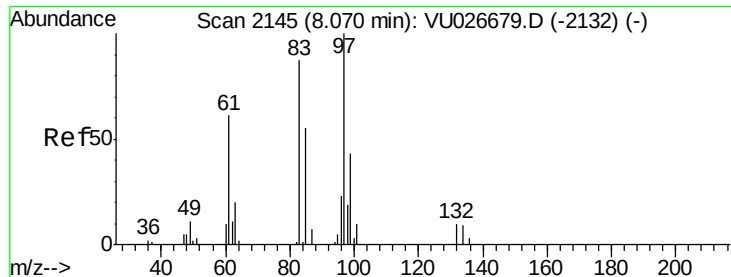
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9/13/2018 4:48:55 PM



#54
cis-1,3-Dichloropropene
Concen: 107.55 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3
39	46.1	37.0	55.6





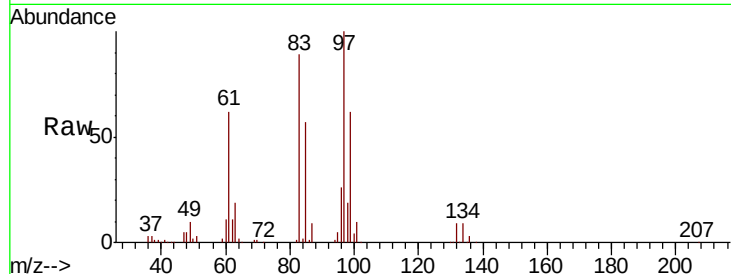
#55
 1,1,2-Trichloroethane
 Concen: 102.98 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

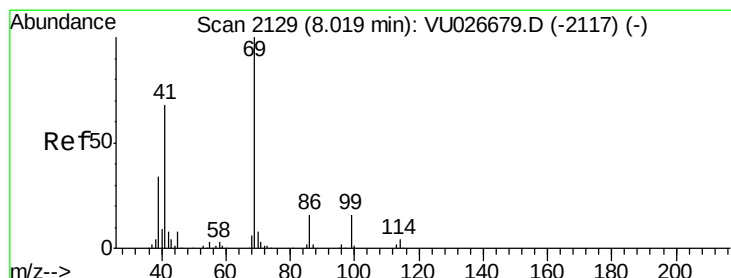
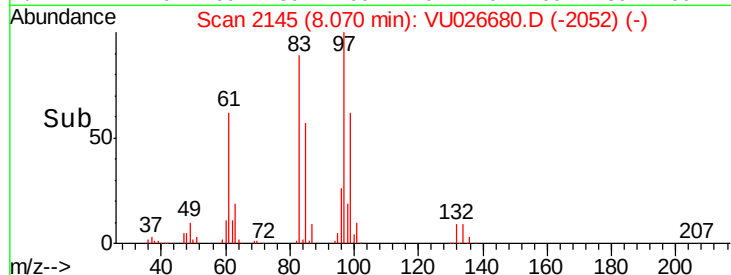
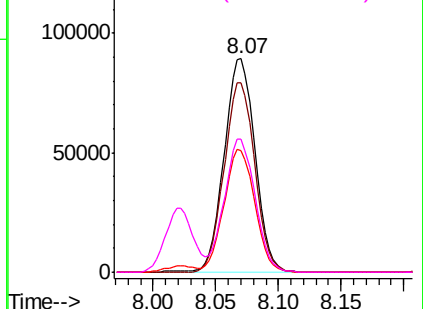
Tot Ion:	97	Resp:	152222
Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.3	103.9
85	57.1	45.9	68.9
99	62.1	50.1	75.1

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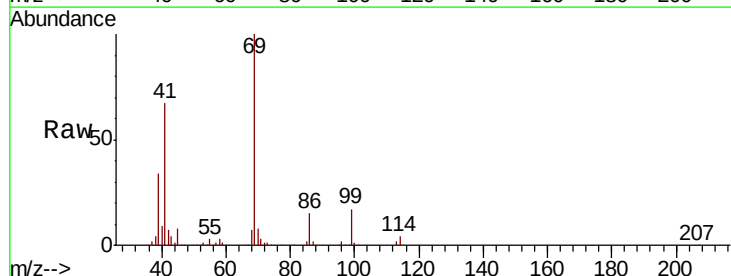


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

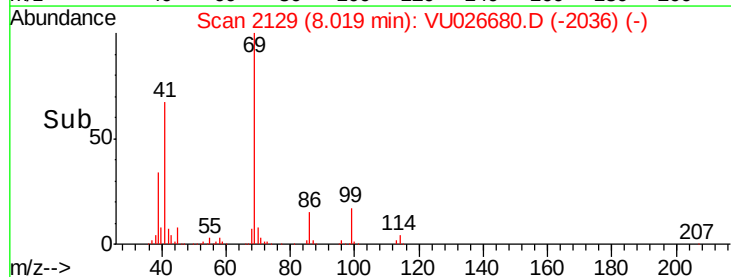
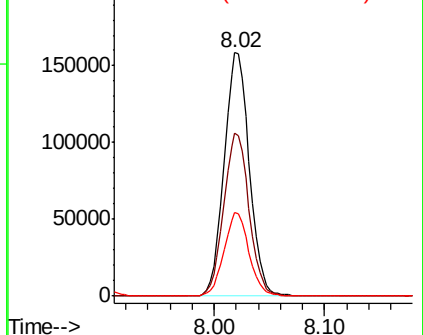


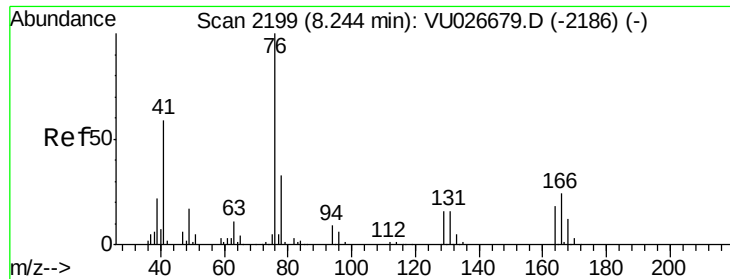
#56
 Ethyl methacrylate
 Concen: 116.44 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion:	69	Resp:	251304
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.2	81.2
39	33.7	28.4	42.6



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





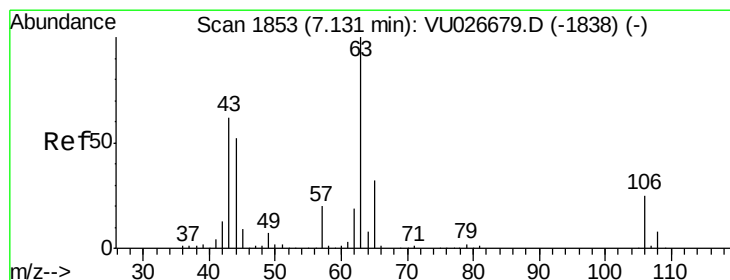
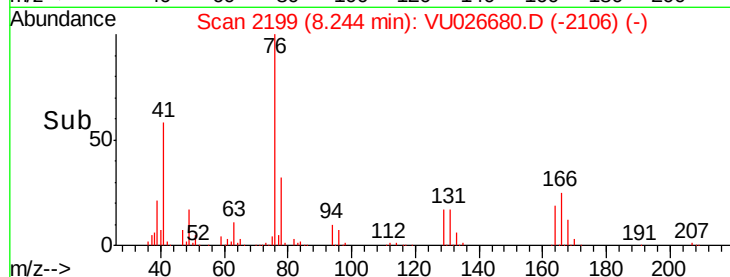
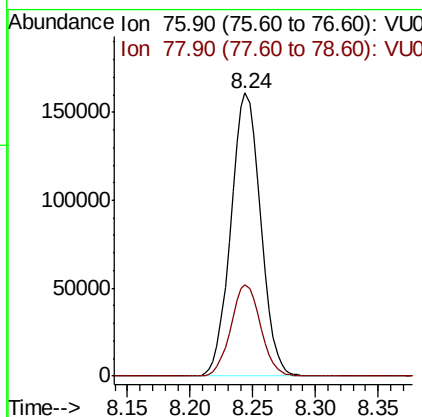
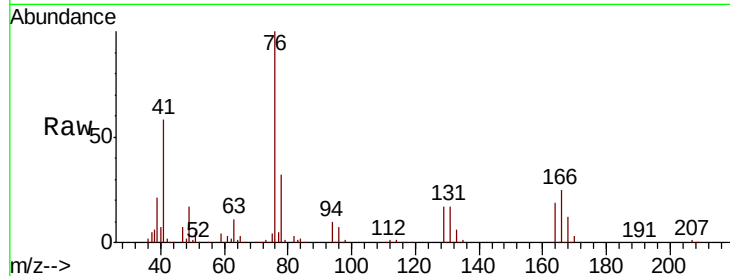
#57
 1,3-Dichloropropane
 Concen: 105.51 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

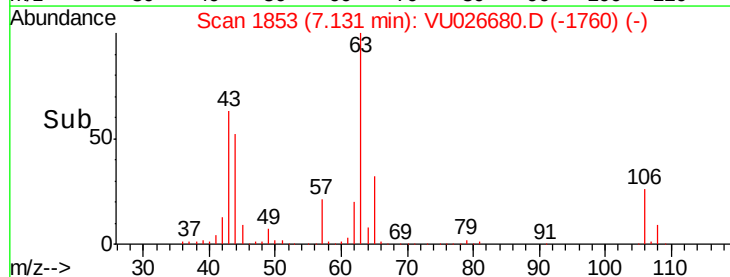
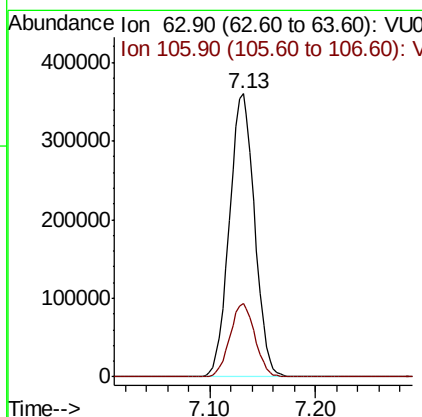
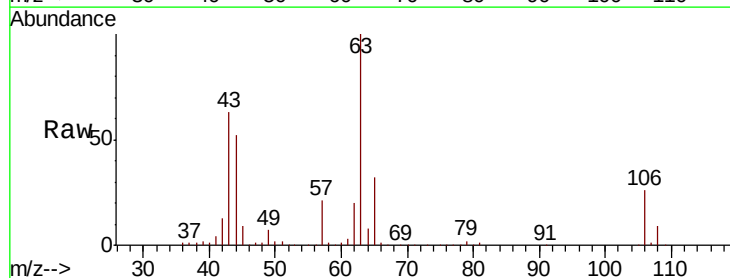
Manual Integrations
 APPROVED

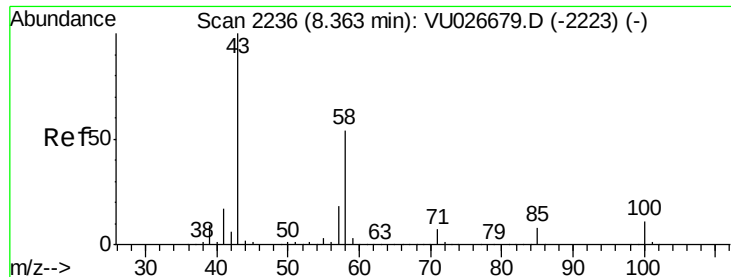
MMDadoda
 9/13/2018 4:48:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 558.73 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	20.5	30.7





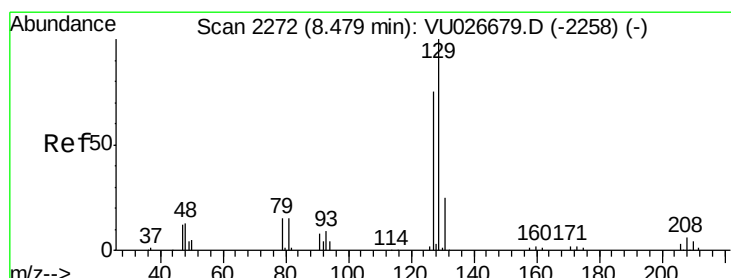
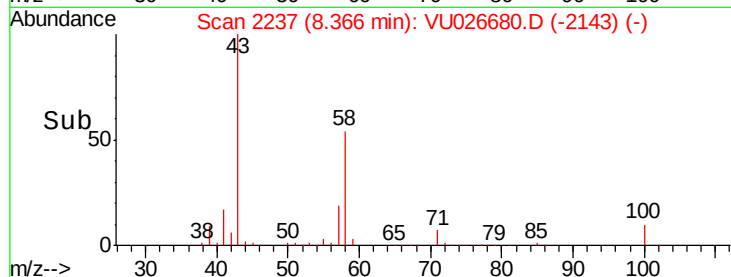
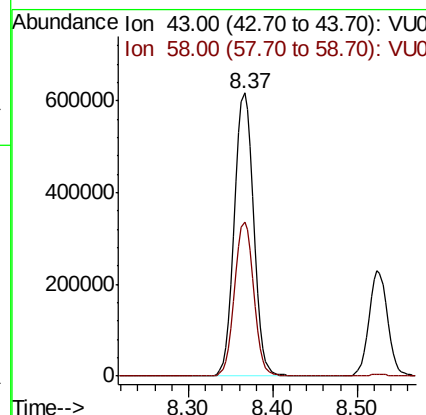
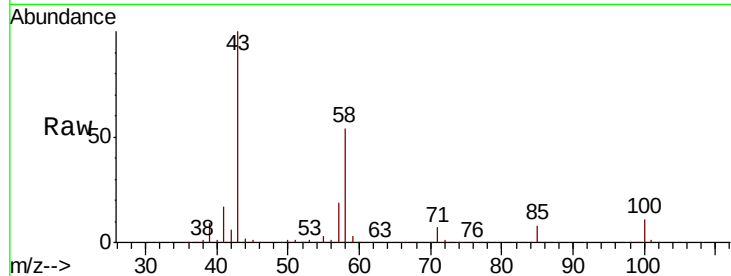
#59
2-Hexanone
Concen: 548.66 ug/l
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 986250
Ion Ratio Lower Upper
43 100
58 53.9 26.9 80.7

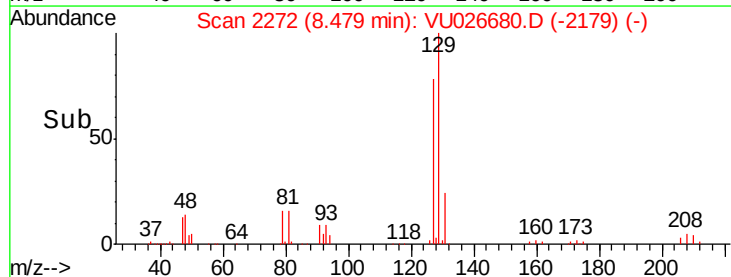
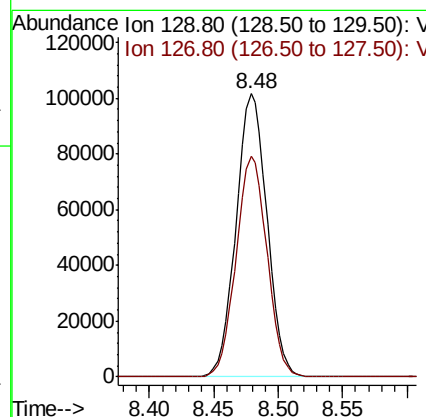
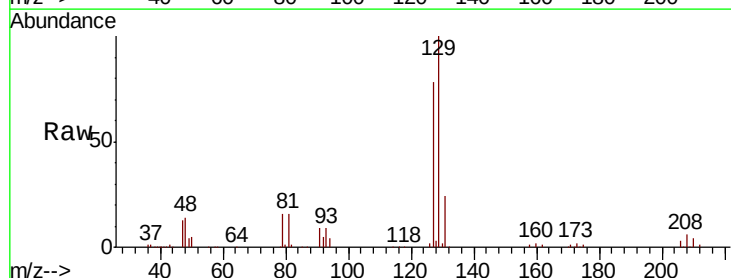
Manual Integrations
APPROVED

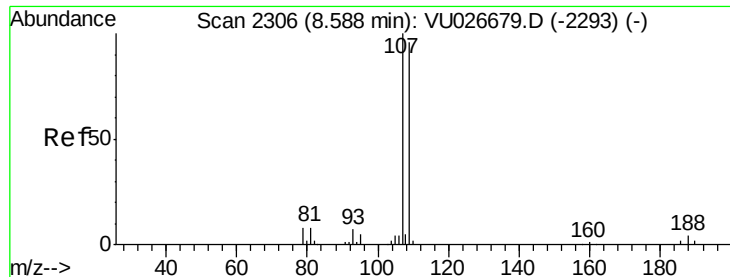
MMDadoda
9/13/2018 4:48:55 PM



#60
Dibromochloromethane
Concen: 105.94 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion: 129 Resp: 169598
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 104.30 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion:107 Resp: 167268

Ion Ratio Lower Upper

107 100

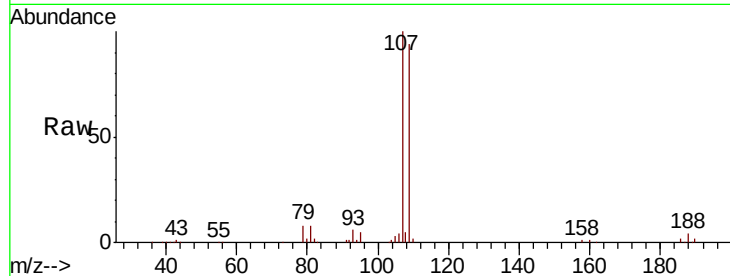
109 93.7 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

100000

80000

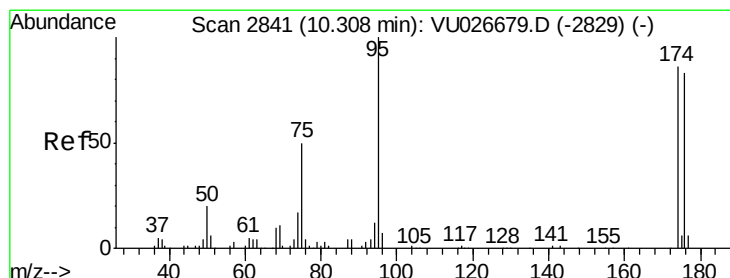
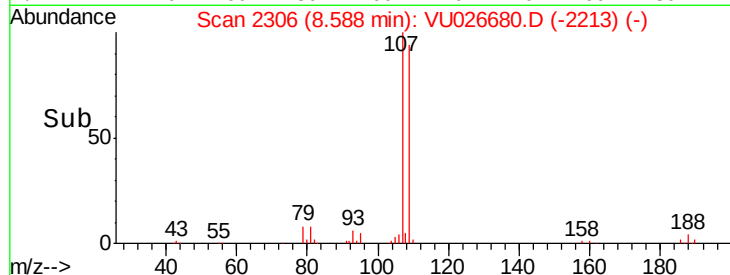
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 108.78 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

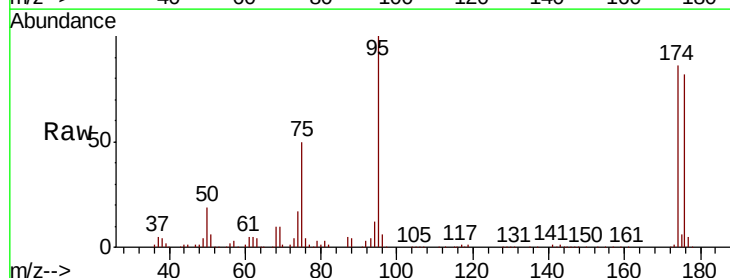
Tgt Ion: 95 Resp: 197572

Ion Ratio Lower Upper

95 100

174 87.1 0.0 172.8

176 84.0 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

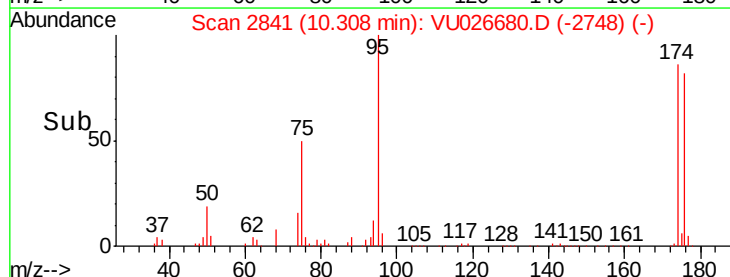
150000

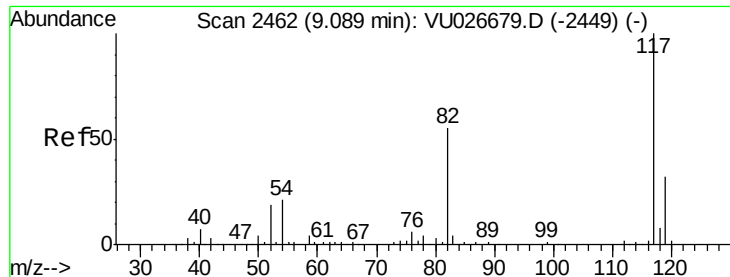
100000

50000

0

Time-->





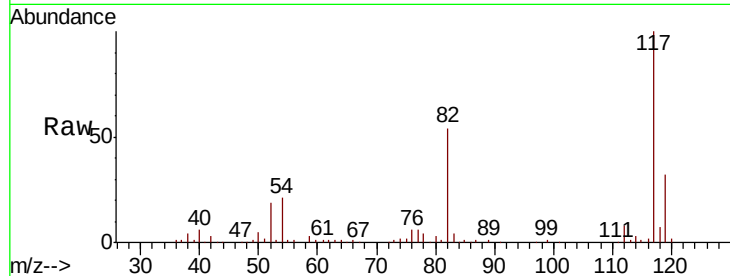
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.1	66.1
119	32.3	25.7	38.5

Manual Integrations
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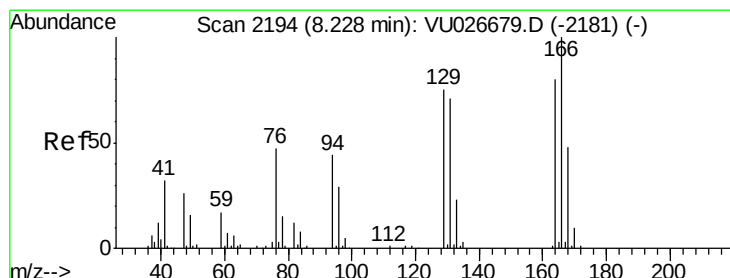
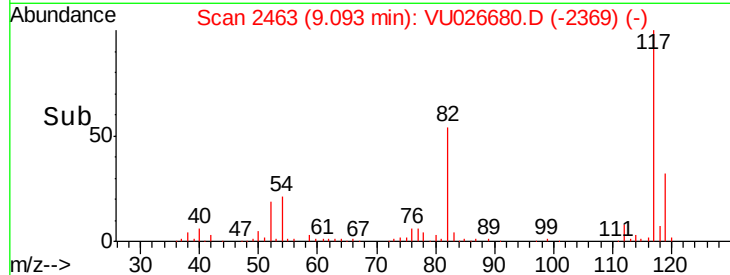
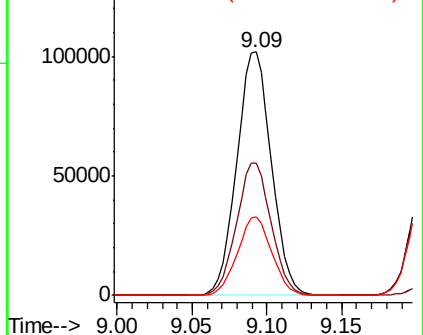


Abundance

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: 98.77 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.5	150.7
129	94.5	75.3	112.9
131	92.2	71.4	107.2

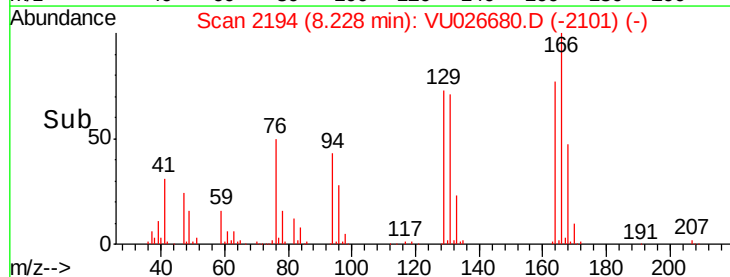
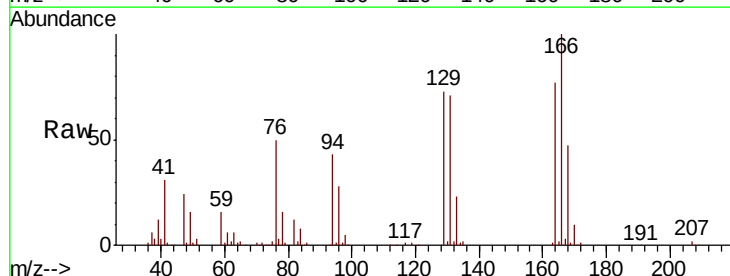
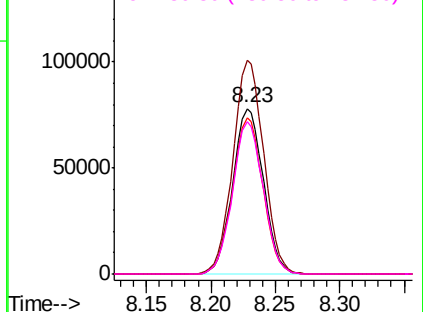
Abundance

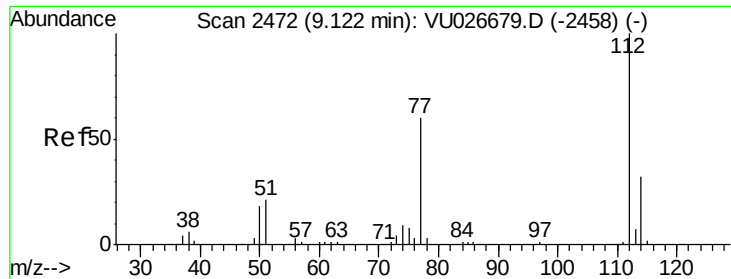
Ion 163.80 (163.50 to 164.50): V

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





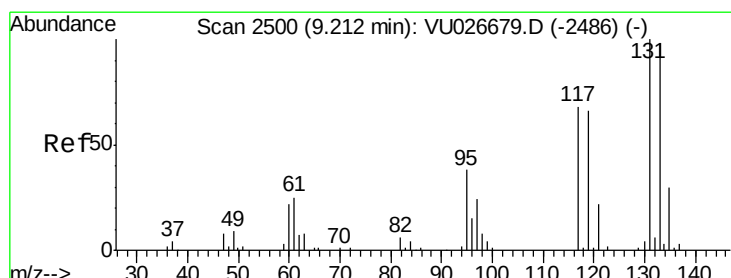
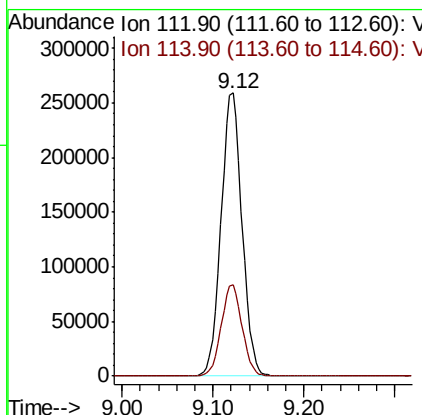
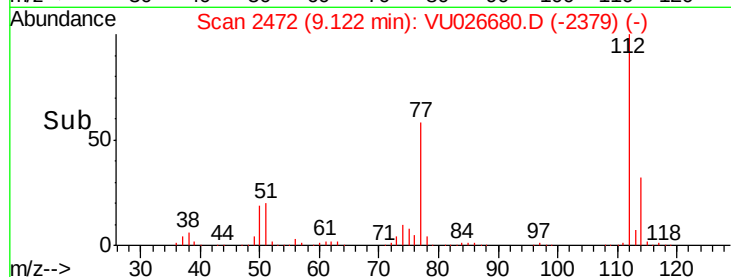
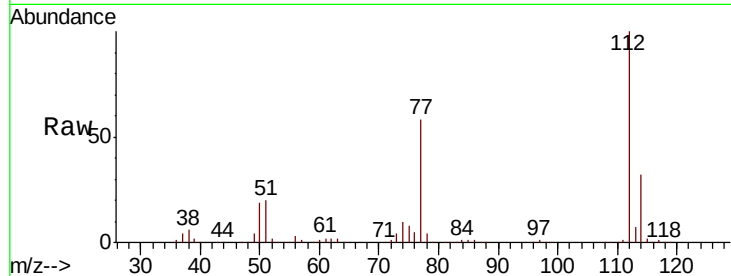
#65
Chlorobenzene
Concen: 101.68 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 415020
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

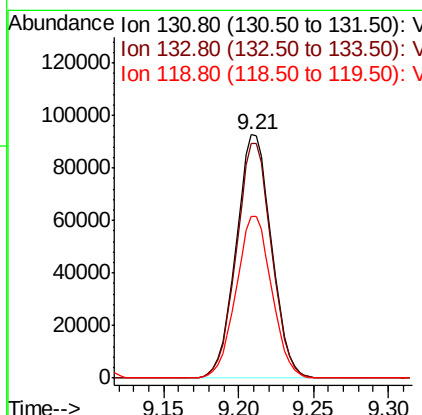
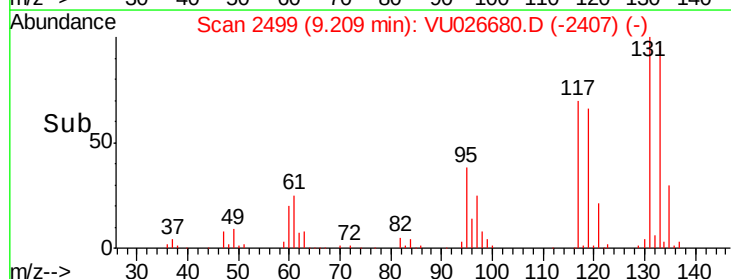
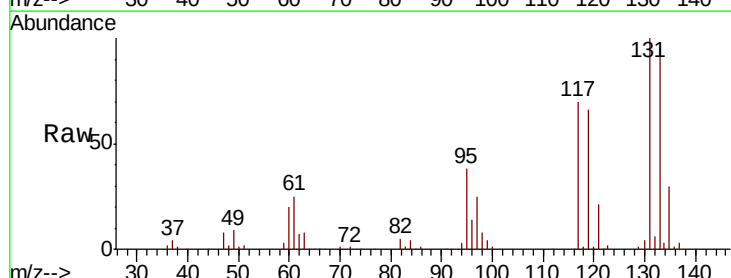
Manual Integrations
APPROVED

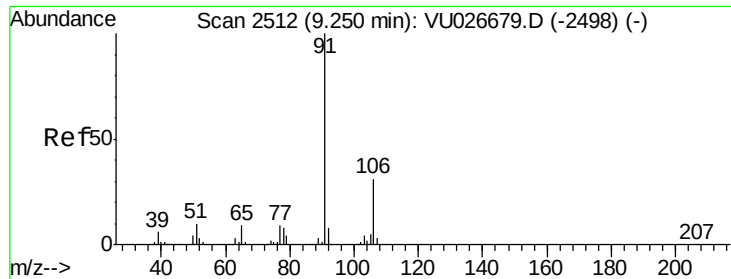
MMDadoda
9/13/2018 4:48:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 101.51 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion:131 Resp: 152449
Ion Ratio Lower Upper
131 100
133 96.0 48.9 146.6
119 66.7 32.7 98.1





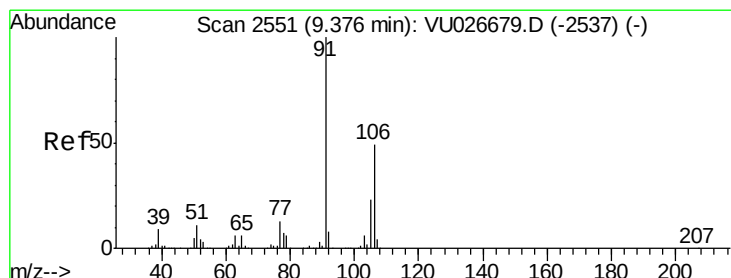
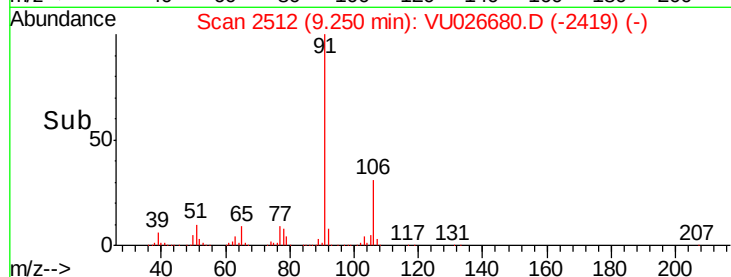
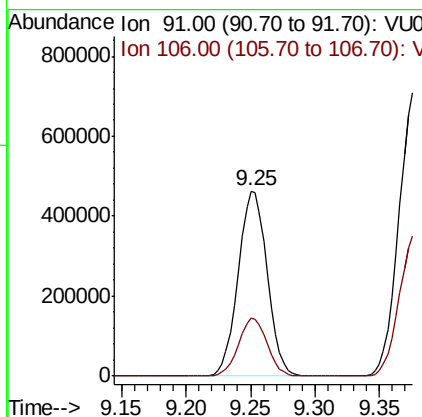
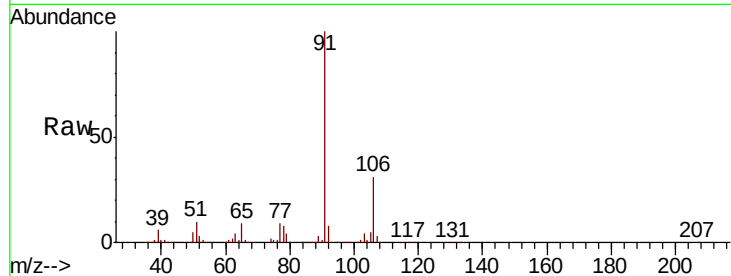
#67
Ethyl Benzene
Concen: 107.63 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.1	25.0	37.4	

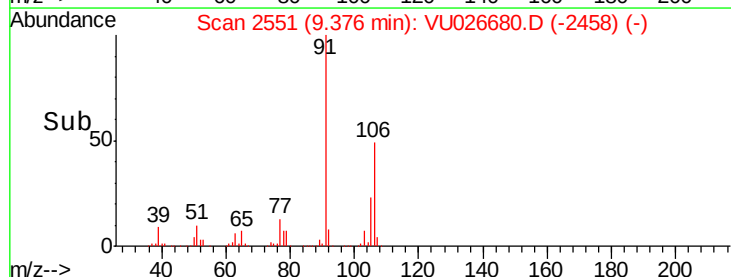
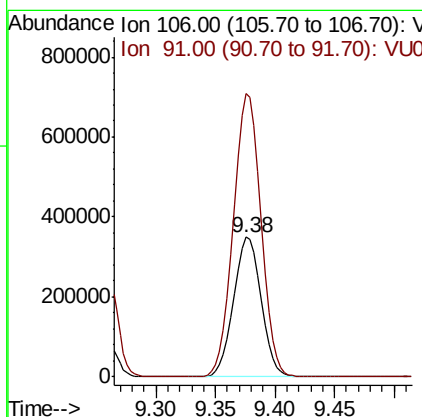
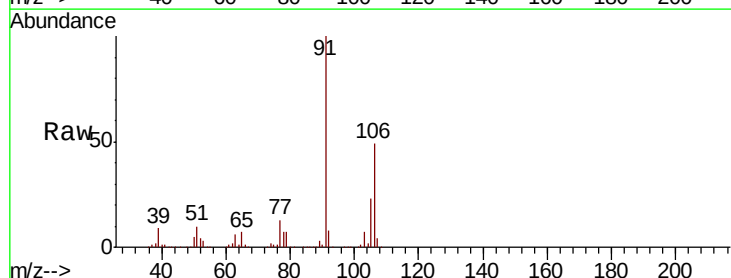
Manual Integrations
APPROVED

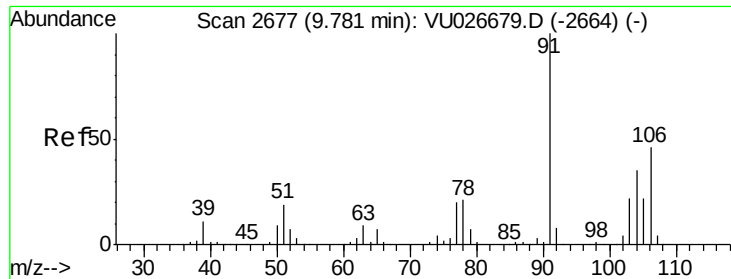
MMDadoda
9/13/2018 4:48:55 PM



#68
m/p-Xylenes
Concen: 219.68 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.2	162.1	243.1	





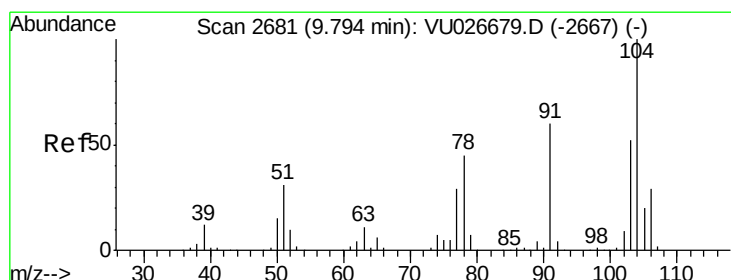
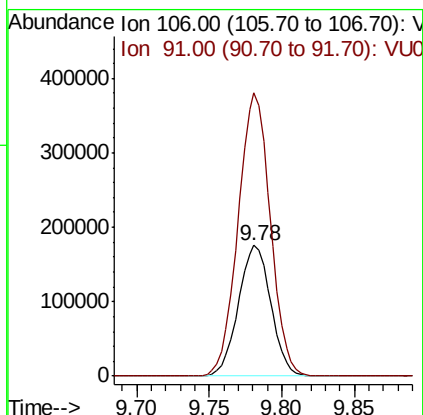
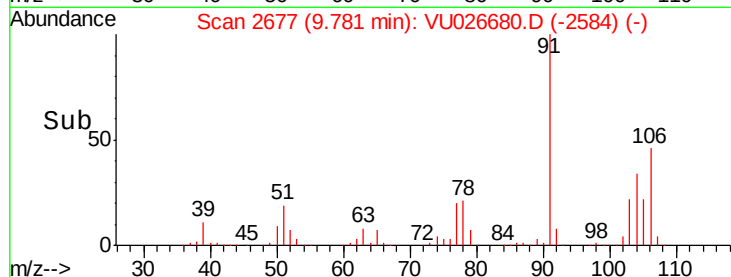
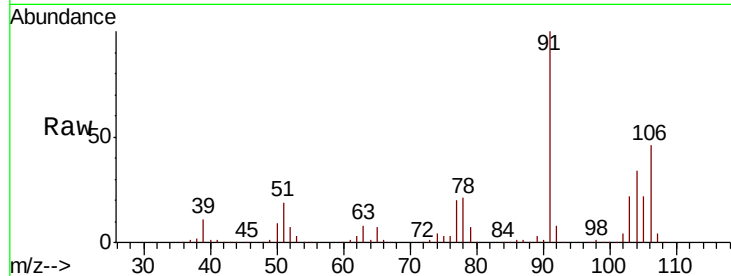
#69
o-Xylene
Concen: 109.76 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 273485
Ion Ratio Lower Upper
106 100
91 214.7 106.9 320.8

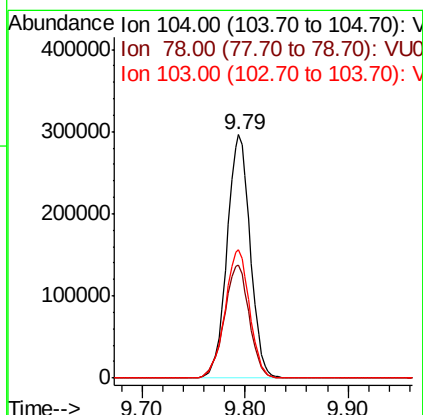
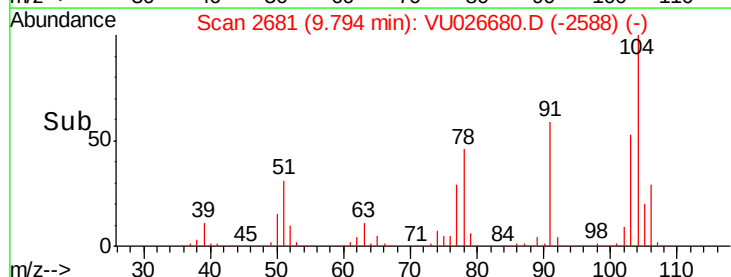
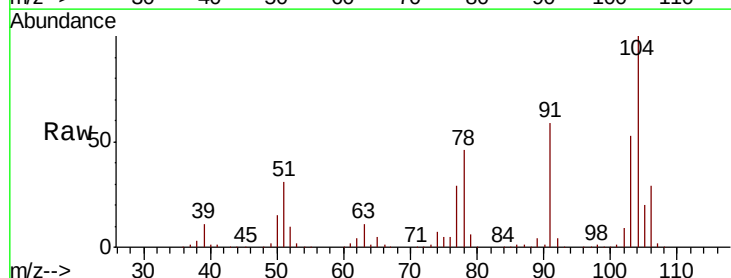
Manual Integrations
APPROVED

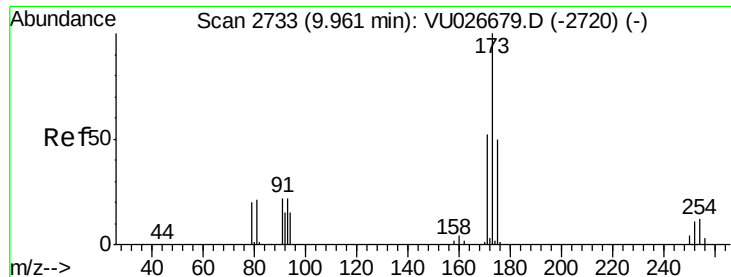
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9/13/2018 4:48:55 PM



#70
Styrene
Concen: 113.43 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion:104 Resp: 462652
Ion Ratio Lower Upper
104 100
78 50.1 39.4 59.2
103 56.1 44.5 66.7





#71

Bromoform

Concen: 110.85 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 144780

Ion Ratio Lower Upper

173 100

175 48.3 24.7 74.1

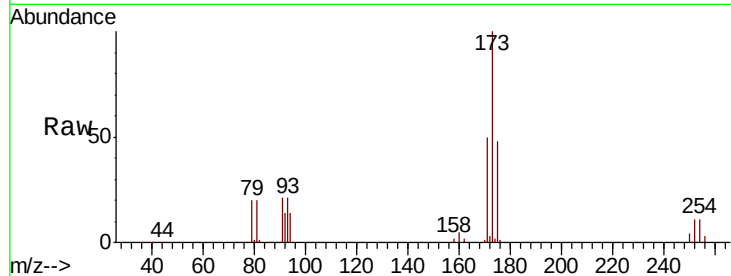
254 0.1 0.0 0.0#

Manual Integrations

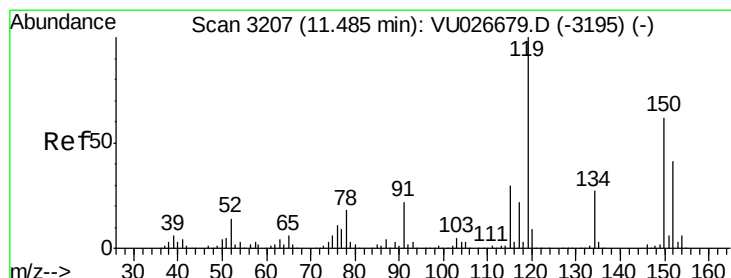
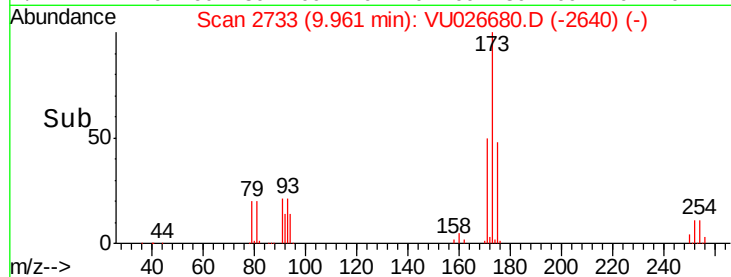
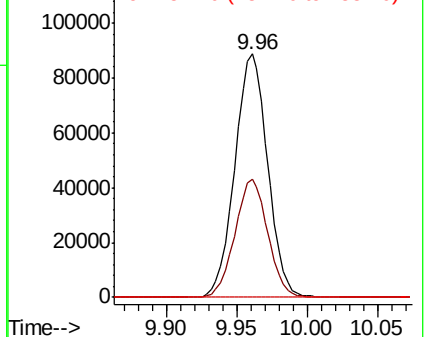
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

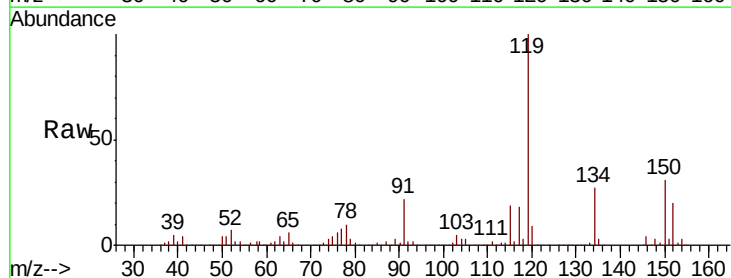
Tgt Ion:152 Resp: 104091

Ion Ratio Lower Upper

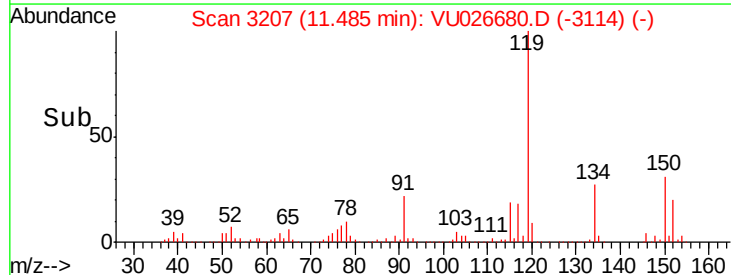
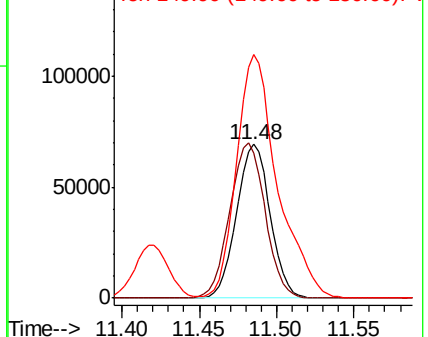
152 100

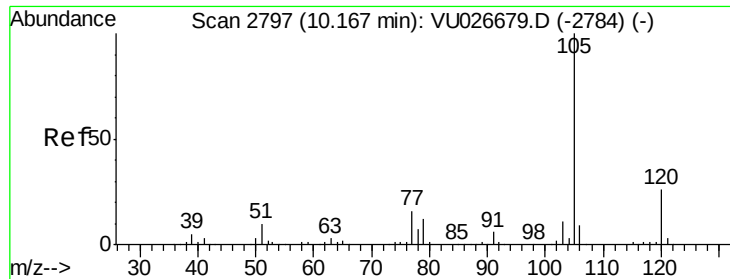
115 106.5 40.4 121.1

150 194.0 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: 103.54 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 734436

Ion Ratio Lower Upper

105 100

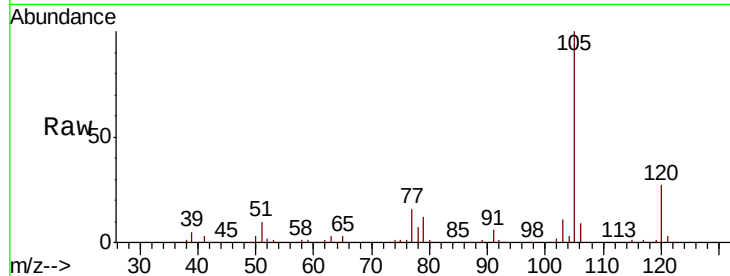
120 26.7 13.3 39.9

Manual Integrations

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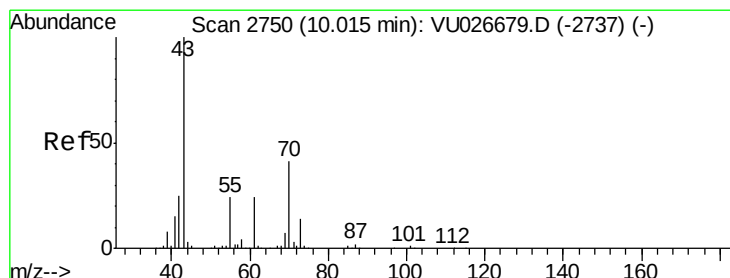
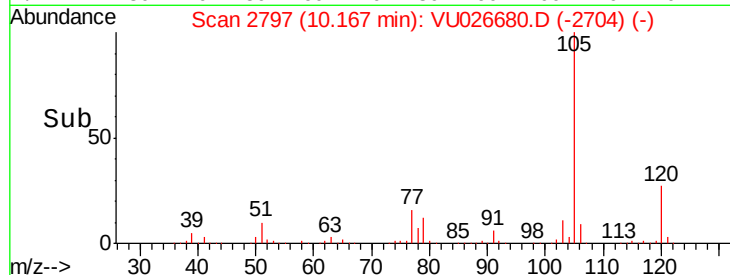
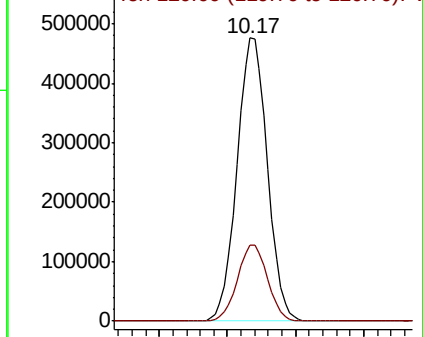
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 110.44 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Tgt Ion: 43 Resp: 369847

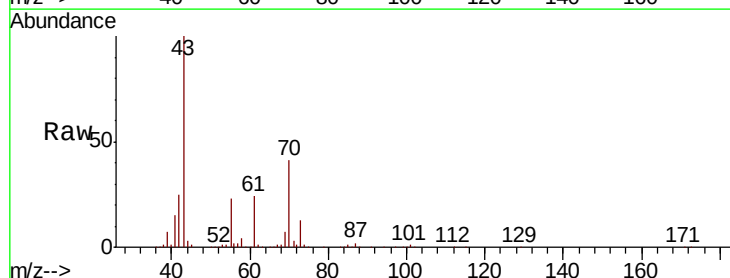
Ion Ratio Lower Upper

43 100

70 41.0 32.6 48.8

55 23.7 19.1 28.7

61 23.9 19.4 29.0

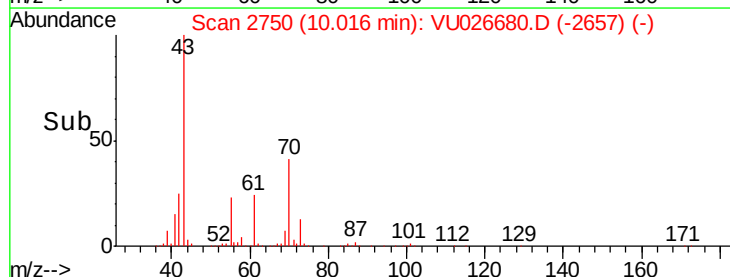
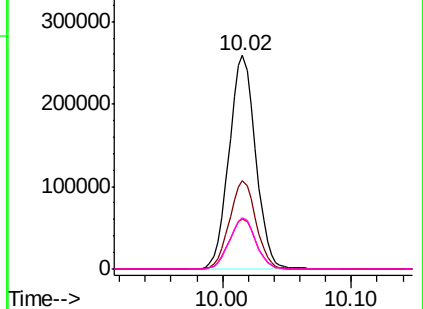


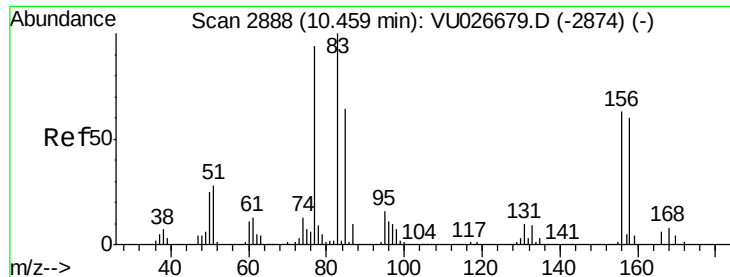
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 95.32 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 275548
Ion Ratio Lower Upper

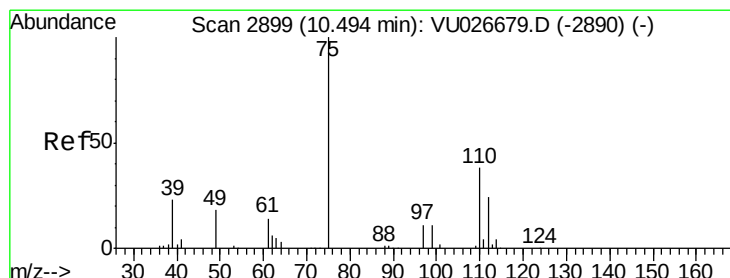
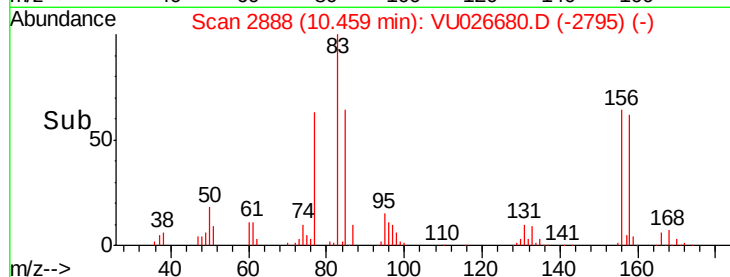
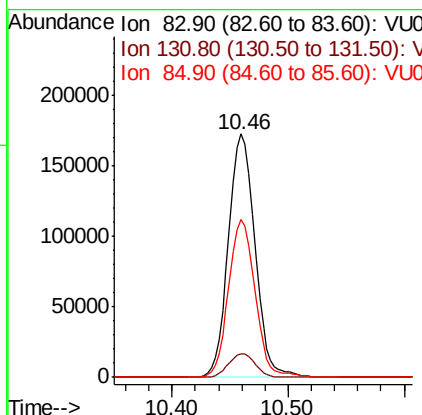
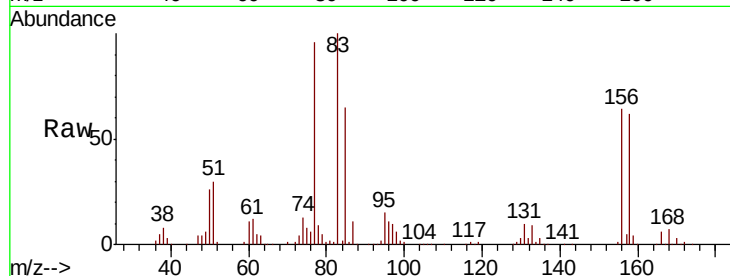
83 100

131 9.6 4.9 14.6

85 64.7 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 84.29 ug/l m

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

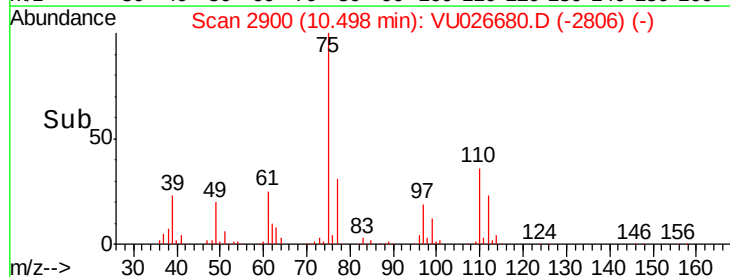
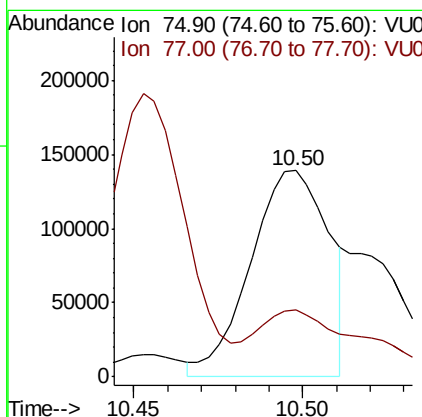
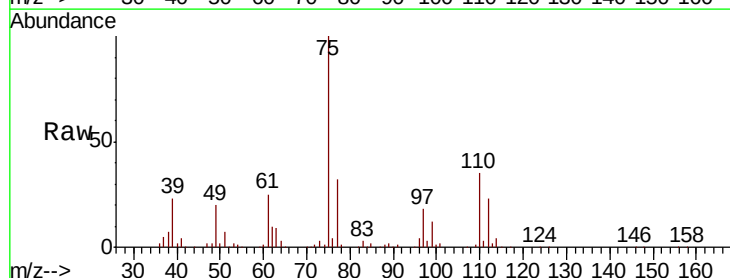
Lab File: VU026680.D

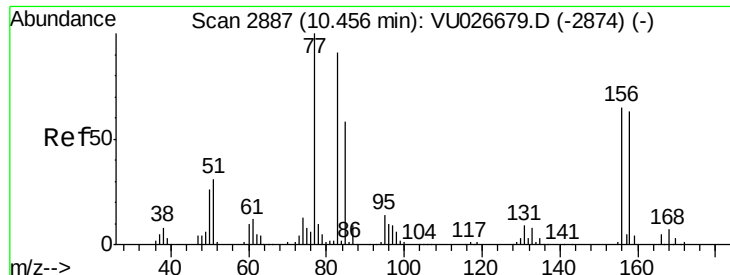
Acq: 11 Sep 2018 12:07

Tgt Ion: 75 Resp: 223178
Ion Ratio Lower Upper

75 100

77 44.0 21.1 63.1





#77

Bromobenzene

Concen: 99.70 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 192205

Ion Ratio Lower Upper

156 100

77 157.3 77.6 232.9

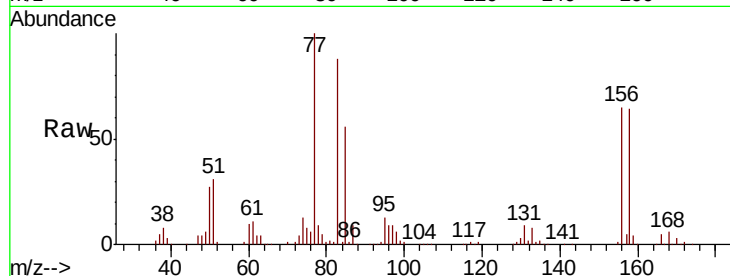
158 97.0 48.9 146.6

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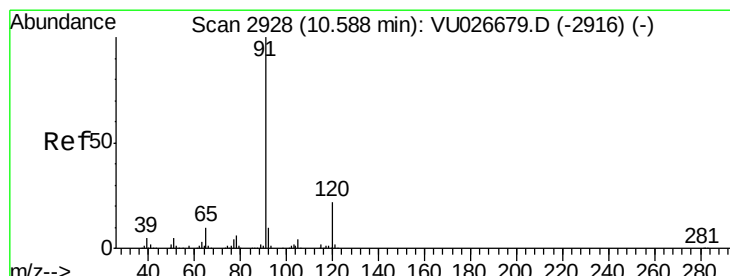
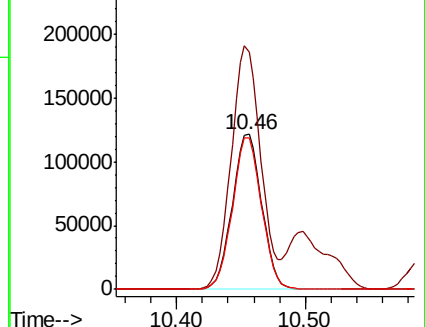
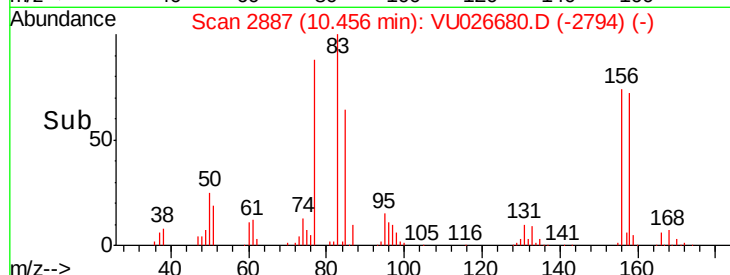
9/13/2018 4:48:55 PM



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: 107.91 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026680.D

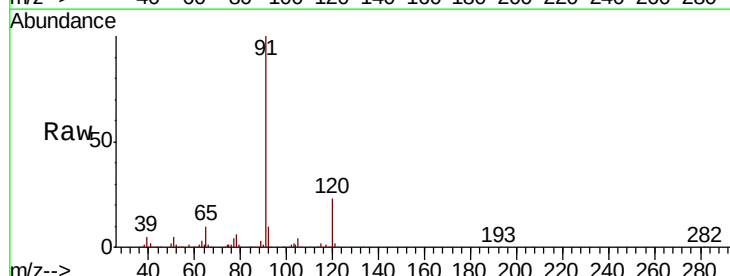
Acq: 11 Sep 2018 12:07

Tgt Ion: 91 Resp: 890240

Ion Ratio Lower Upper

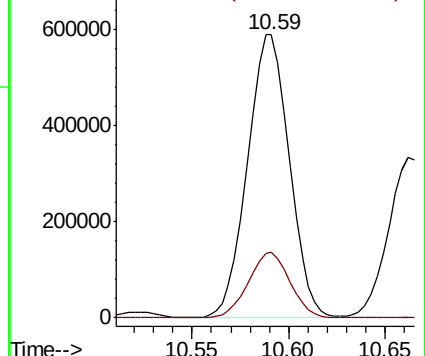
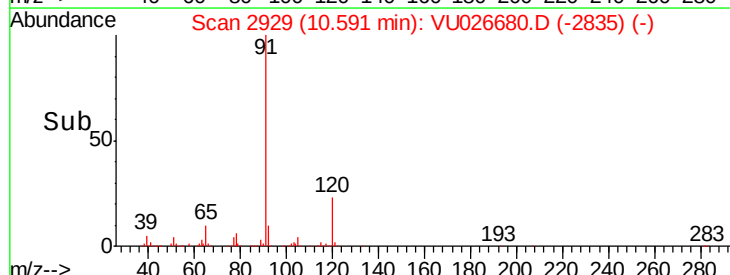
91 100

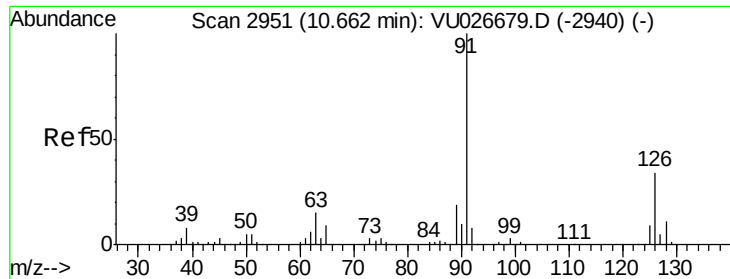
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.53 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 519249

Ion Ratio Lower Upper

91 100

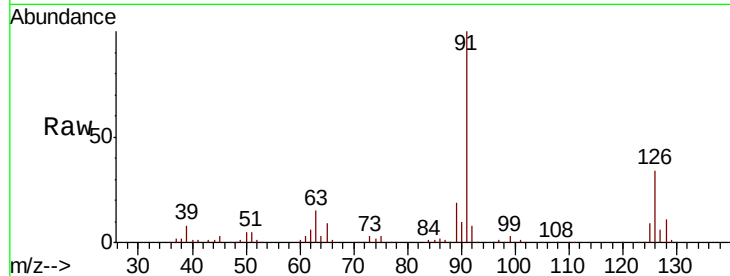
126 34.4 17.3 51.7

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VU026680.D (-2858) (-)

600000

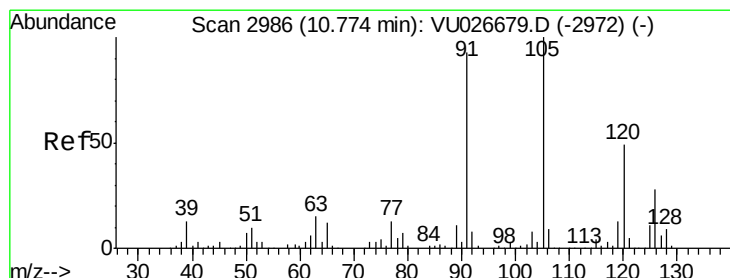
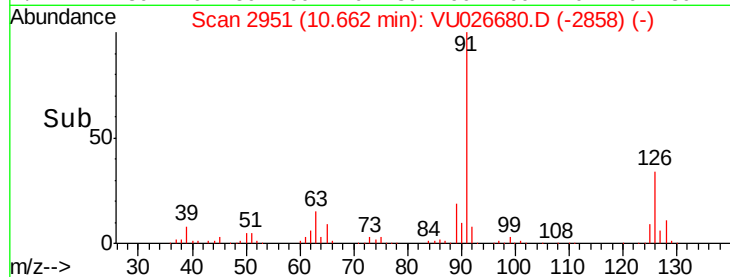
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 106.16 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026680.D

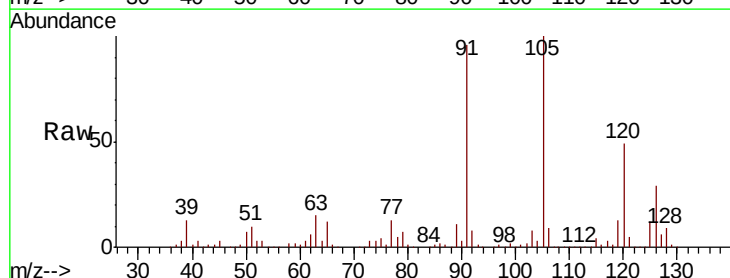
Acq: 11 Sep 2018 12:07

Tgt Ion: 105 Resp: 632938

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0



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

Ion 120.00 (119.70 to 120.70): VU026680.D (-2893) (-)

500000

400000

300000

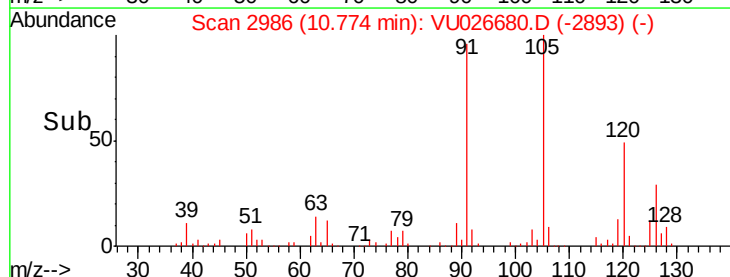
200000

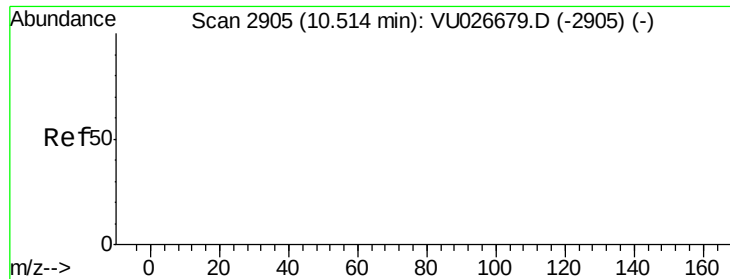
100000

0

10.70 10.75 10.80 10.85

Time-->





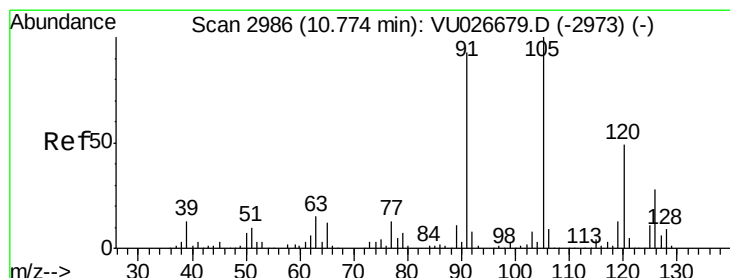
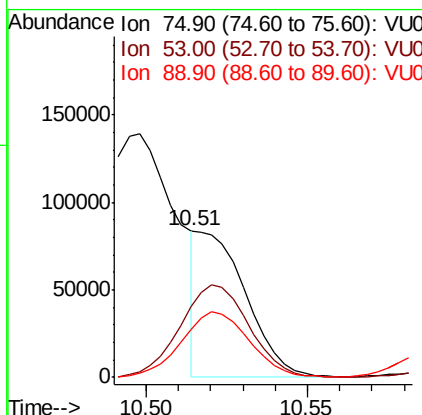
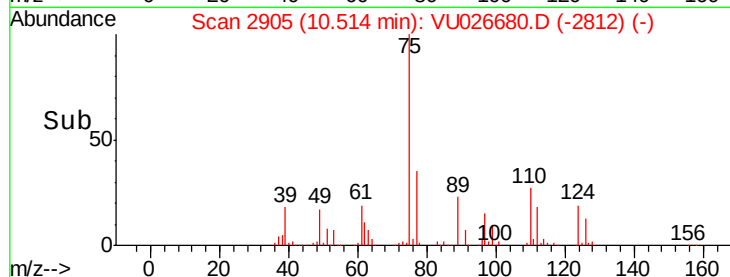
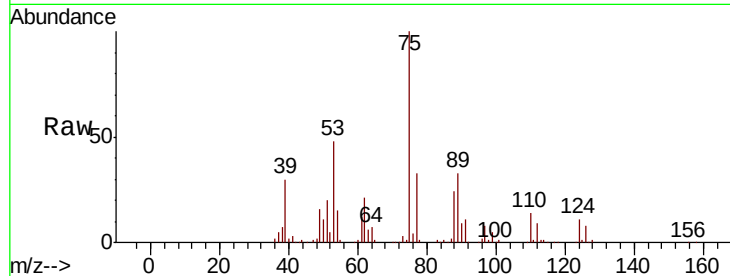
#81
trans-1,4-Dichloro-2-butene
Concen: 72.98 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

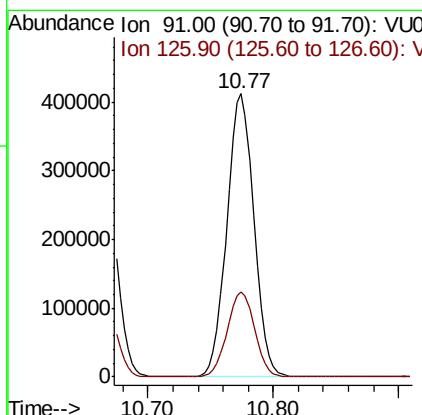
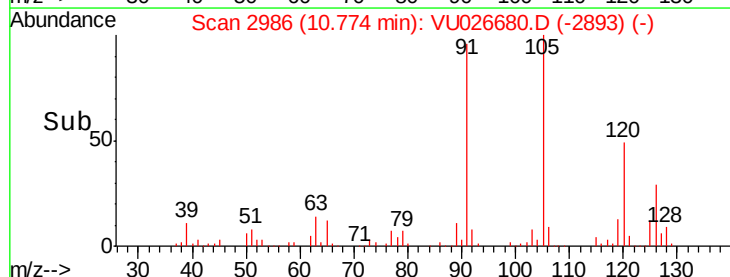
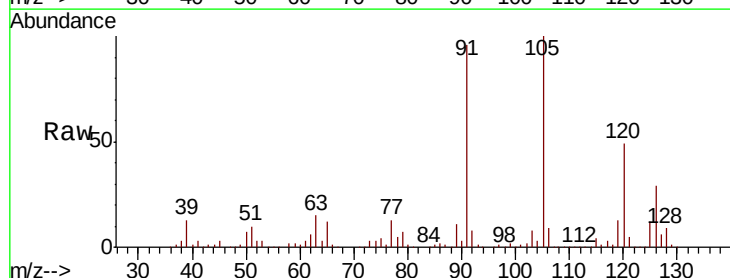
Manual Integrations
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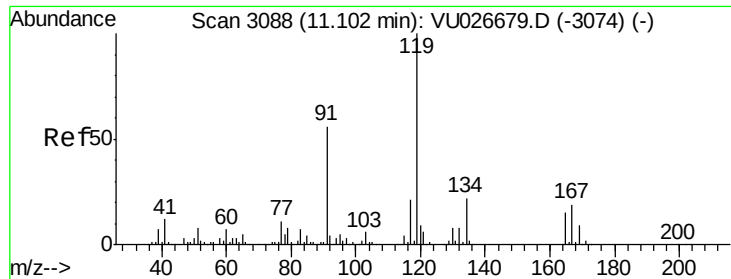
MMDadoda
9/13/2018 4:48:55 PM



#82
4-Chlorotoluene
Concen: 106.85 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.2	45.5





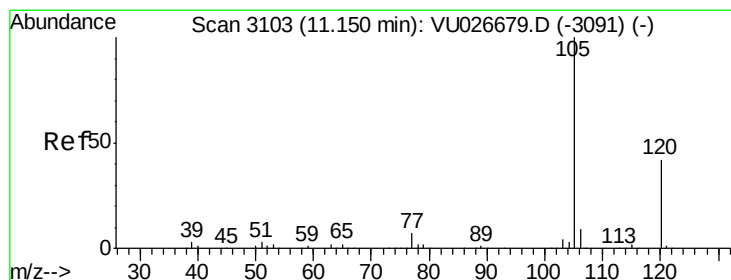
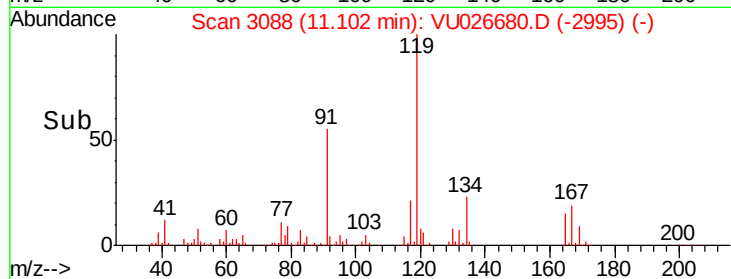
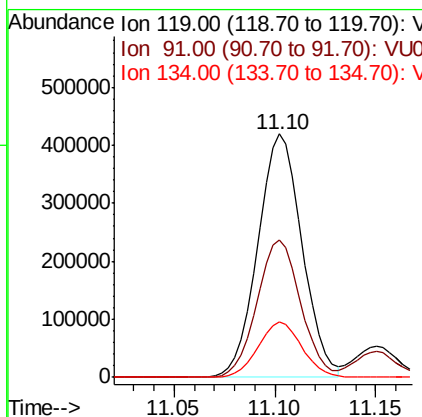
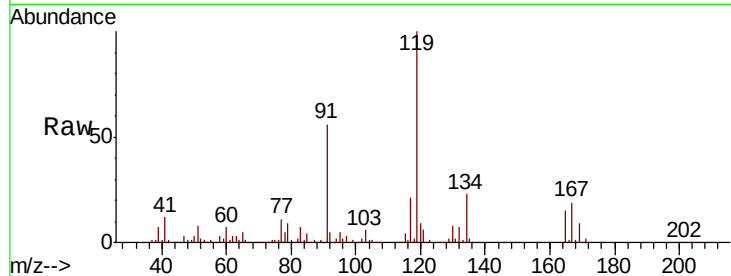
#83
tert-Butylbenzene
Concen: 105.67 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	639361		
91	56.0	28.3	85.0	
134	22.5	11.2	33.5	

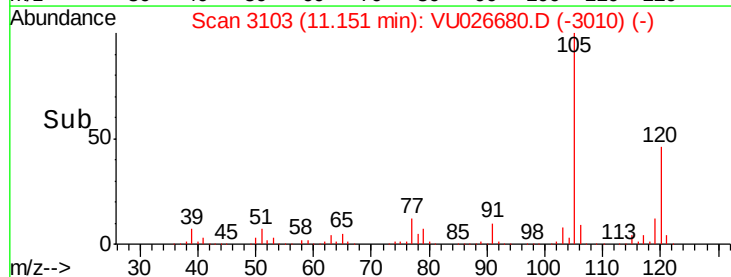
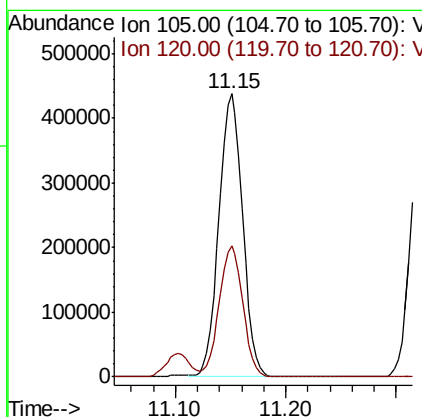
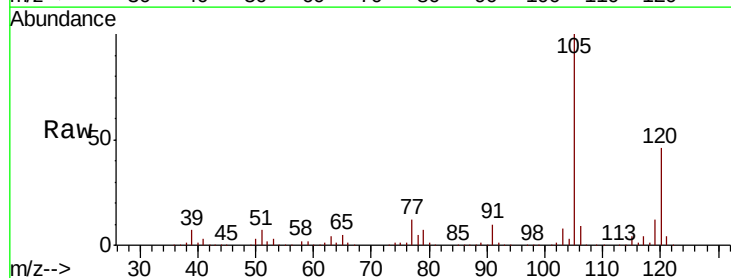
Manual Integrations
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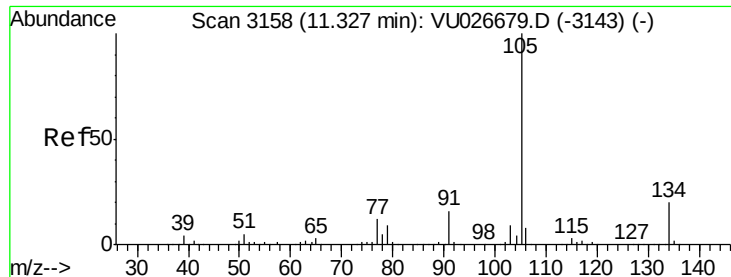
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 108.47 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	652279		
120	46.1	23.3	69.8	





#85

sec-Butylbenzene

Concen: 109.32 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 785489

Ion Ratio Lower Upper

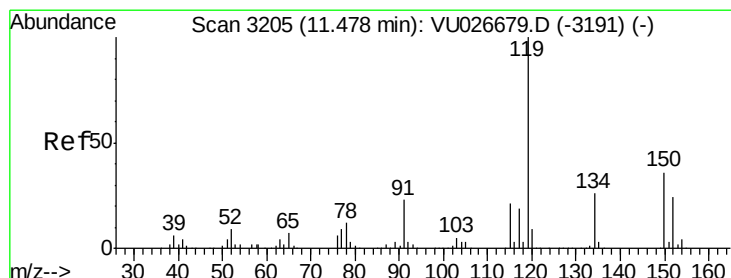
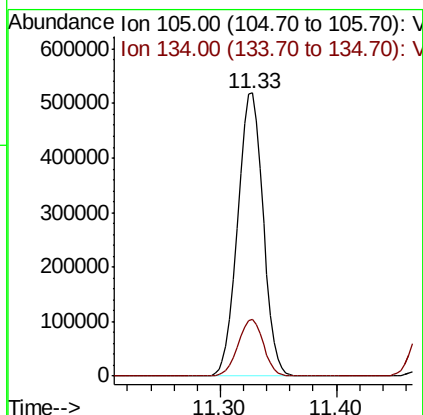
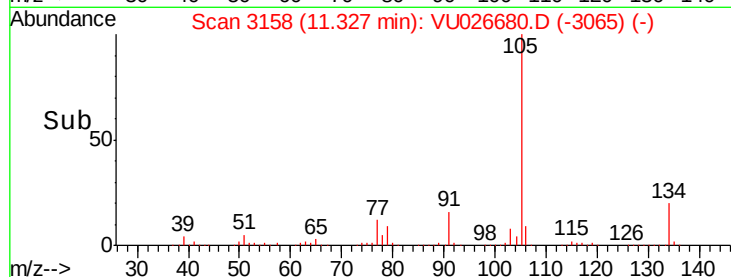
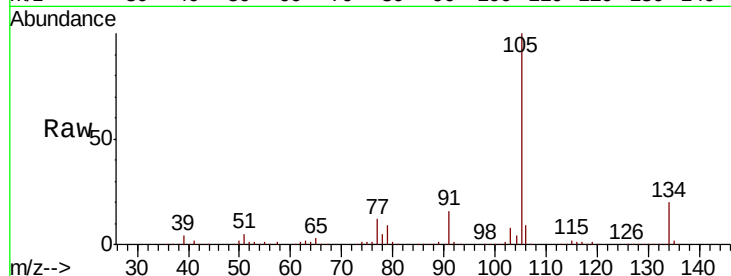
105 100

134 20.1 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 111.55 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

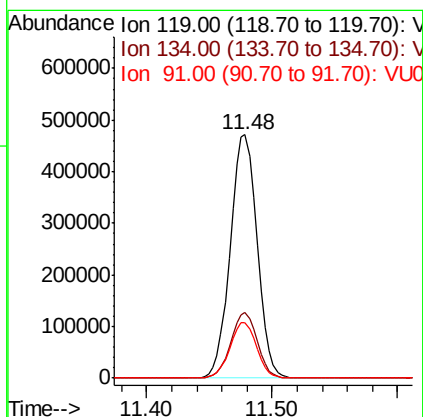
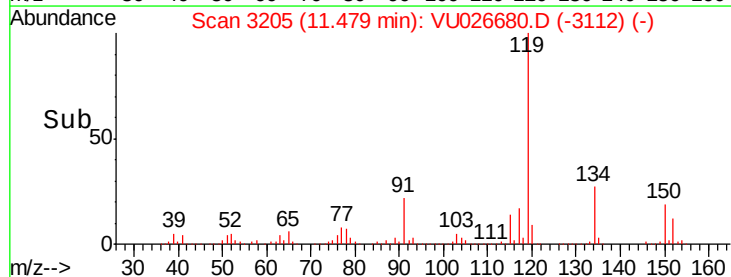
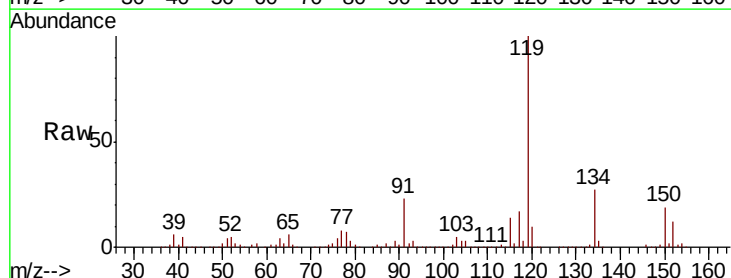
Tgt Ion:119 Resp: 698934

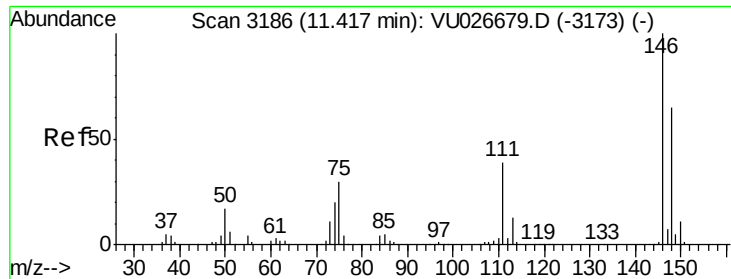
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 22.8 11.6 34.8





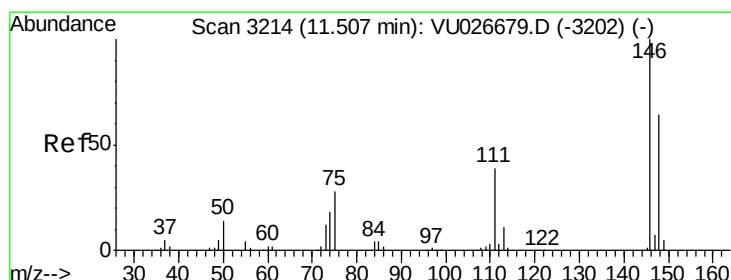
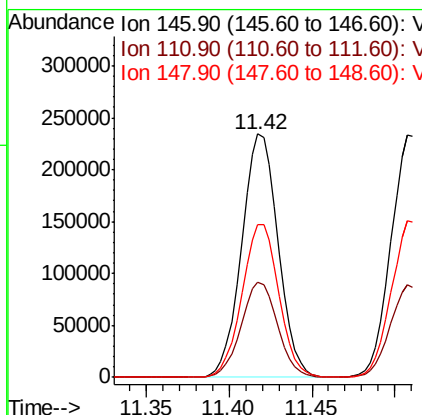
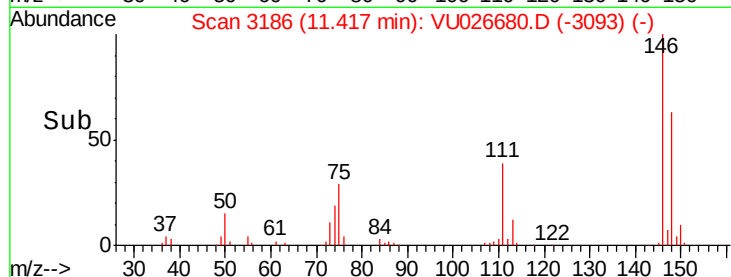
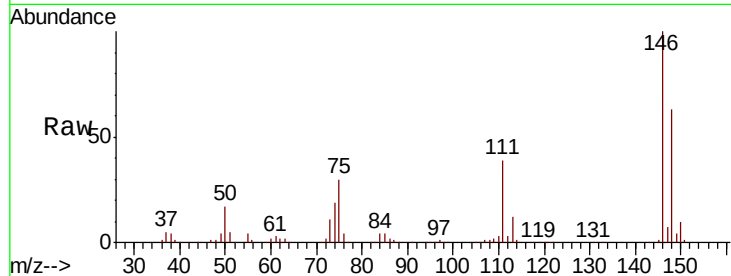
#87
 1,3-Dichlorobenzene
 Concen: 99.75 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.3	32.1	96.3

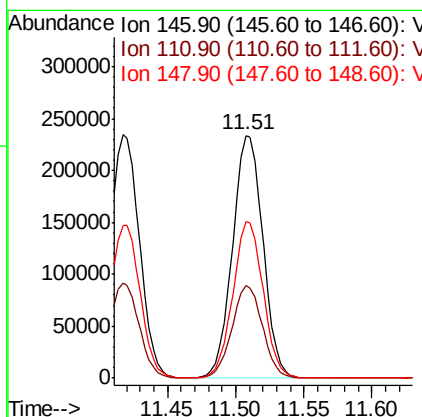
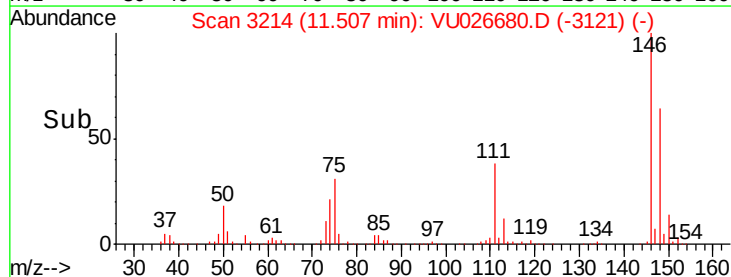
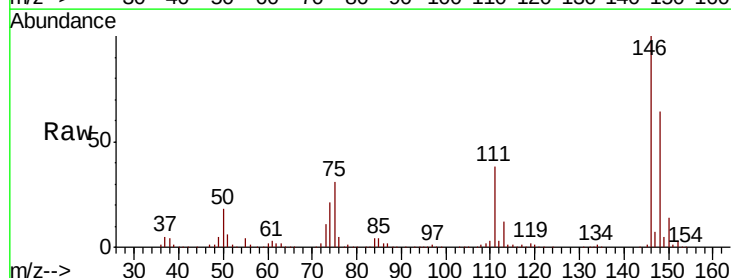
Manual Integrations
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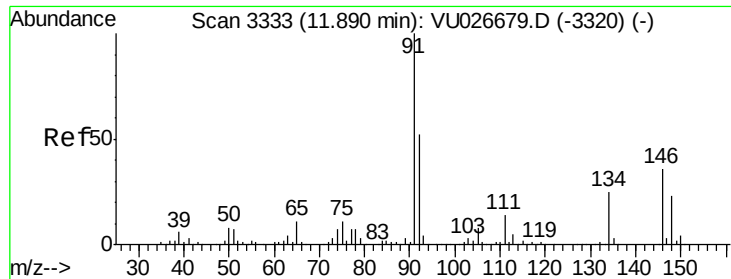
MMDadoda
 9/13/2018 4:48:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 96.65 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.4	32.1	96.3





#89

n-Butylbenzene

Concen: 117.88 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Instrument :

MSVOA_U

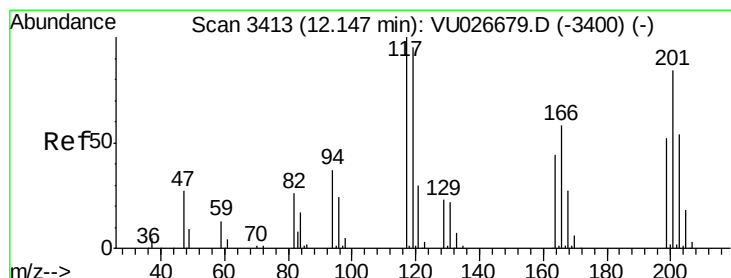
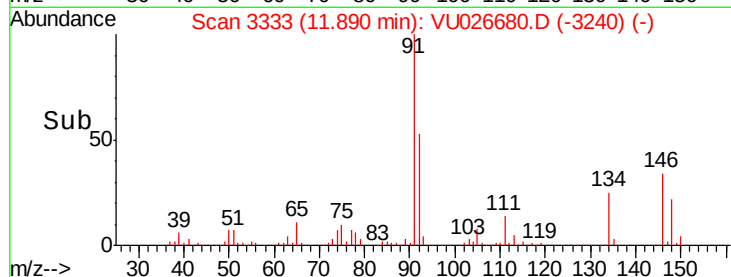
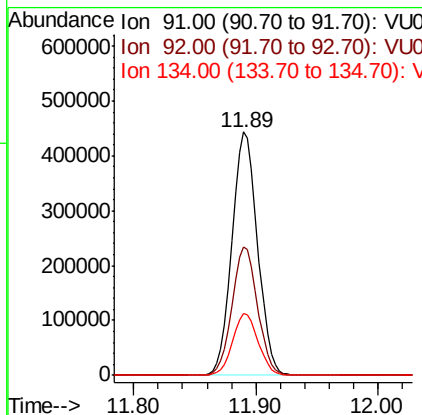
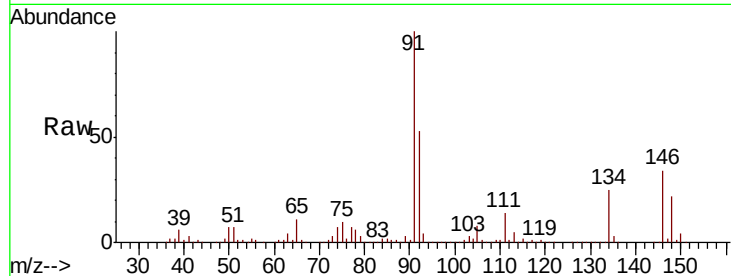
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	647097
Ion Ratio	Lower	Upper	
91	100		
92	52.6	25.8	77.3
134	25.4	12.6	37.8

Manual Integrations
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9/13/2018 4:48:55 PM



#90

Hexachloroethane

Concen: 102.23 ug/l

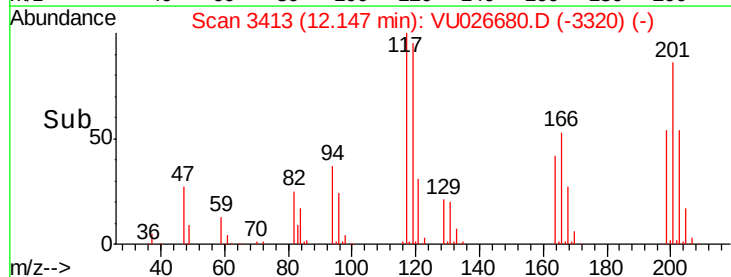
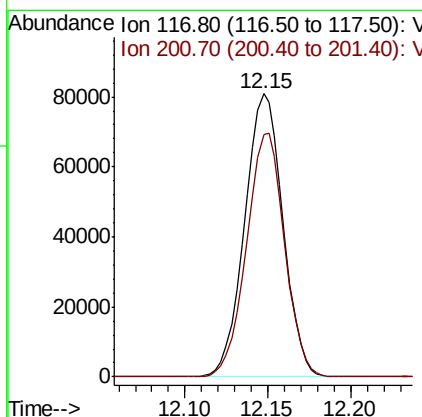
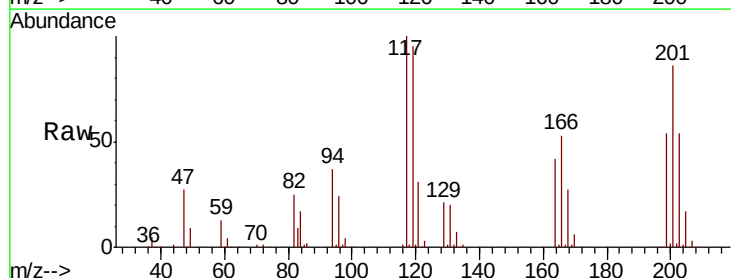
RT: 12.15 min Scan# 3413

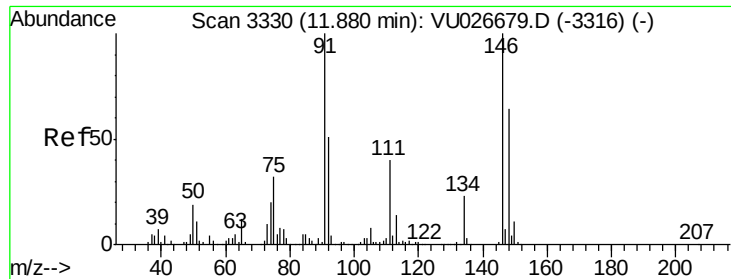
Delta R.T. 0.00 min

Lab File: VU026680.D

Acq: 11 Sep 2018 12:07

Tgt Ion:	117	Resp:	129620
Ion Ratio	Lower	Upper	
117	100		
201	85.7	42.4	127.1





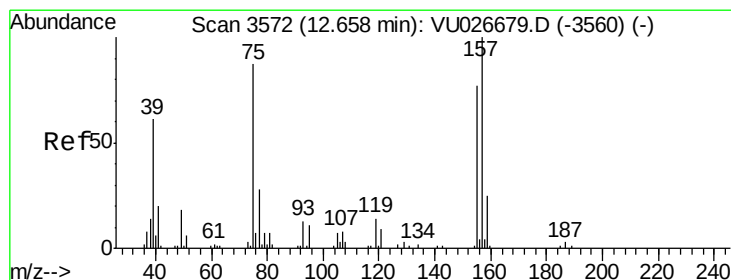
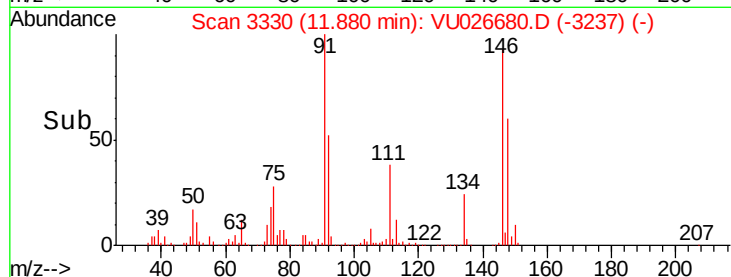
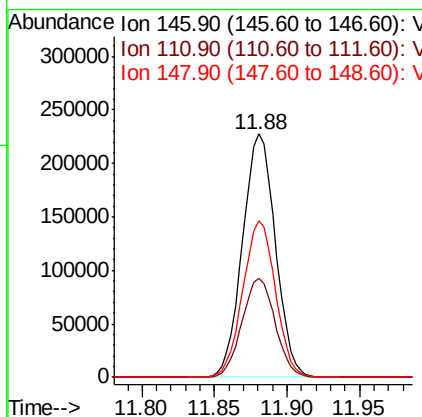
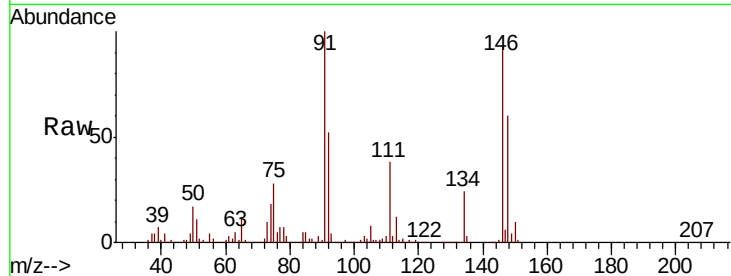
#91
 1,2-Dichlorobenzene
 Concen: 99.63 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.8	32.1	96.3

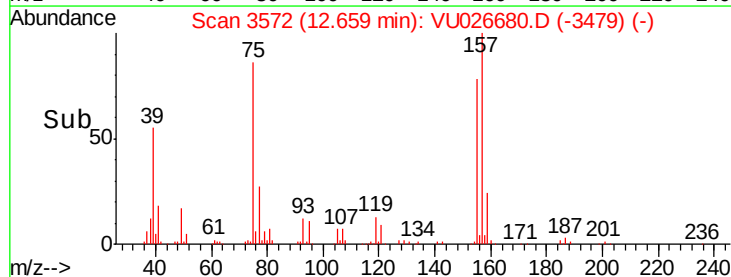
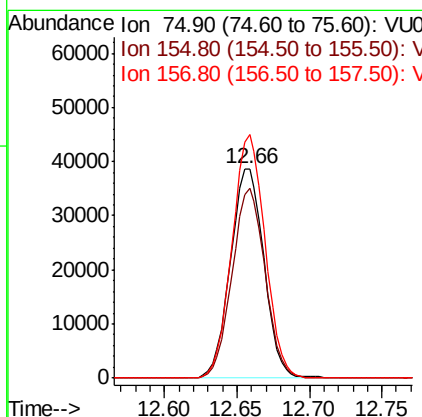
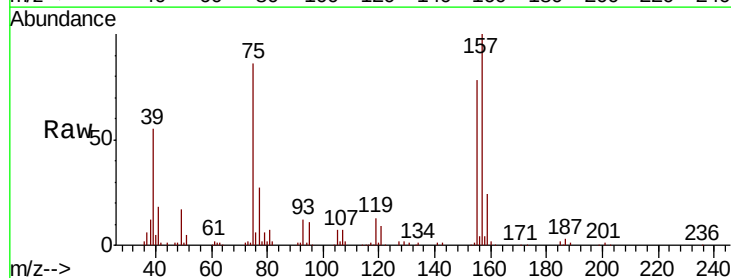
Manual Integrations
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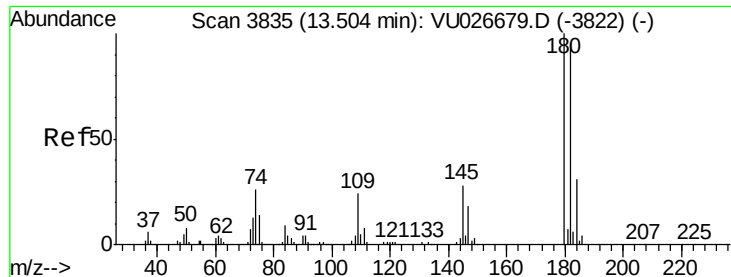
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 106.99 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	44.1	132.4
157	114.4	57.2	171.6





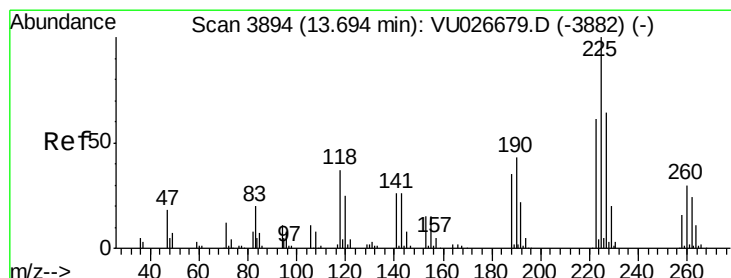
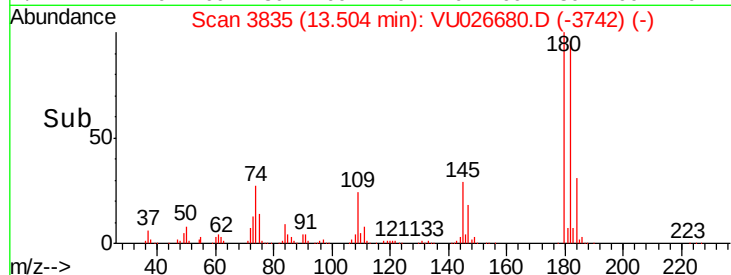
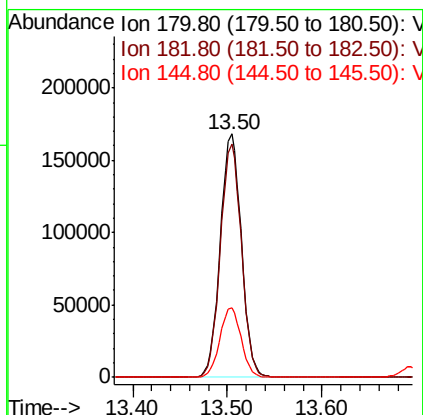
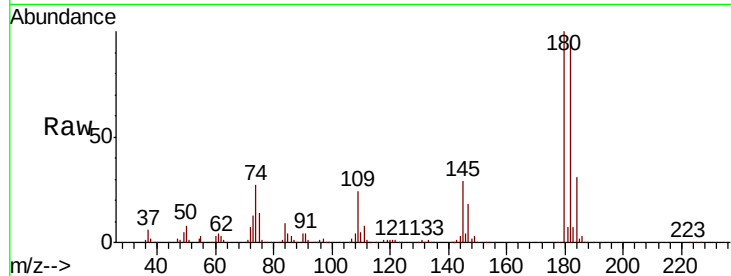
#93
 1,2,4-Trichlorobenzene
 Concen: 108.46 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	28.8	14.0	42.0

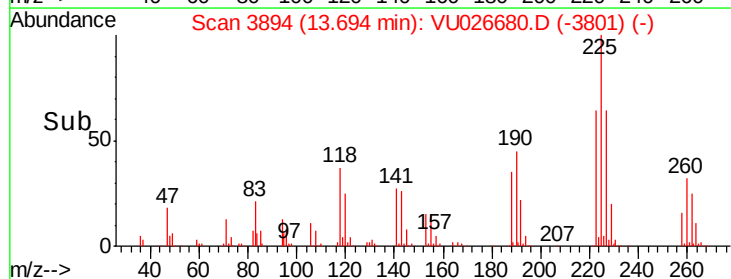
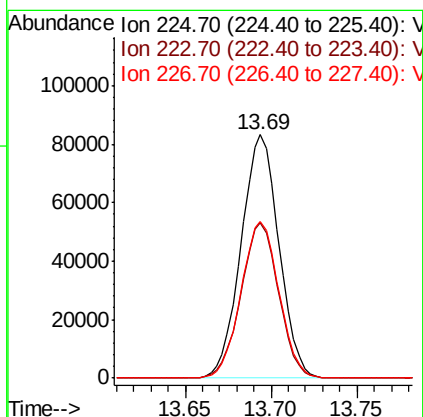
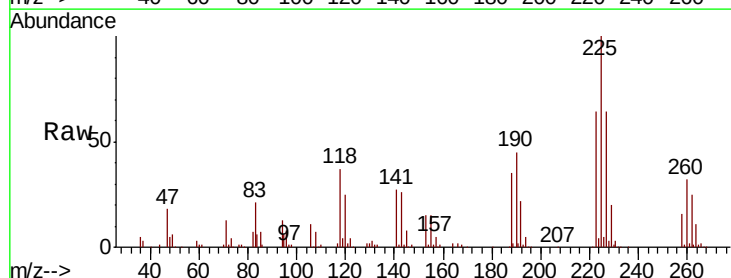
Manual Integrations
 APPROVED

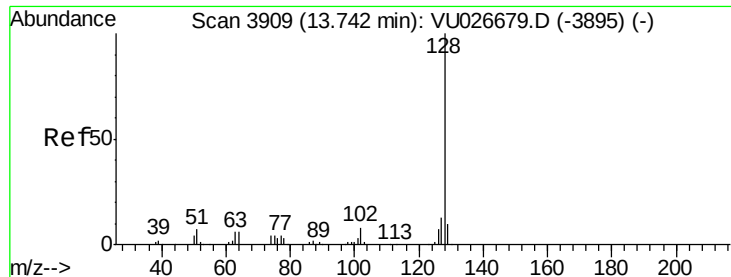
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#94
 Hexachlorobutadiene
 Concen: 102.53 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026680.D
 Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.6	92.0
227	64.5	32.1	96.3





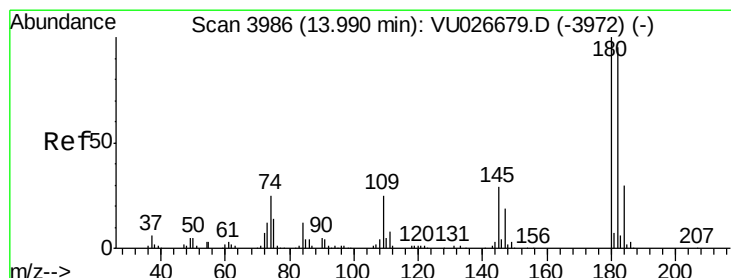
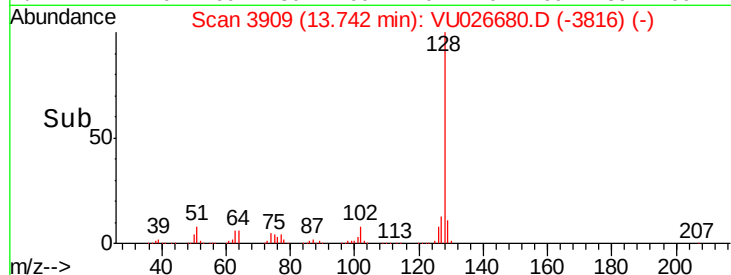
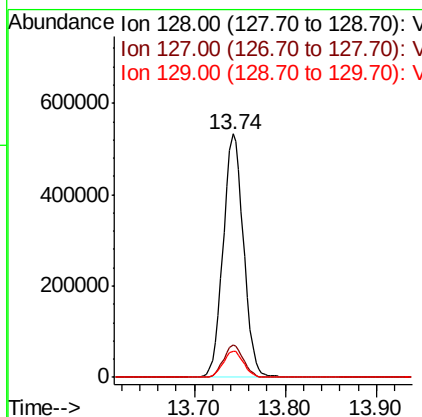
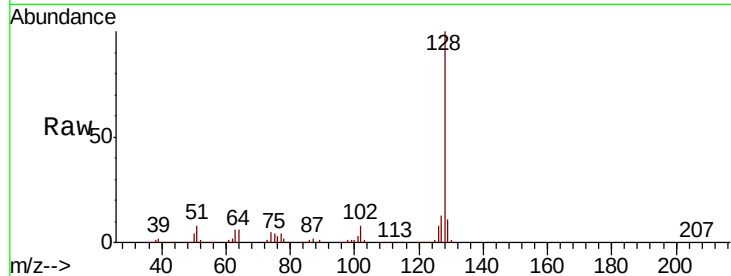
#95
Naphthalene
Concen: 113.86 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 4:48:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 105.91 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU026680.D
Acq: 11 Sep 2018 12:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	30.2	14.9	44.9

