

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027284.D
 Acq On : 28 Sep 2018 20:31
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:16 PM

Quant Time: Sep 29 01:08:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	102162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	162604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	87341	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	
35) Dibromofluoromethane	4.88	113	67198	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	7.57	98	245954	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
62) 4-Bromofluorobenzene	10.31	95	93071	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	63204	47.384	ug/l	98
3) Chloromethane	1.33	50	89430	38.887	ug/l	100
4) Vinyl Chloride	1.40	62	96811	45.098	ug/l	99
5) Bromomethane	1.61	94	63350	51.822	ug/l	97
6) Chloroethane	1.69	64	59724	43.543	ug/l	98
7) Trichlorofluoromethane	1.88	101	106121	43.526	ug/l	99
8) Diethyl Ether	2.10	74	54206	46.190	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	62902	41.959	ug/l	97
10) Methyl Iodide	2.41	142	30018	16.145	ug/l	97
11) Tert butyl alcohol	2.83	59	106940	226.909	ug/l	98
12) 1,1-Dichloroethene	2.28	96	61856	43.838	ug/l	96
13) Acrolein	2.20	56	56653	222.993	ug/l	99
14) Allyl chloride	2.59	41	142873	49.923	ug/l	97
15) Acrylonitrile	2.94	53	283574	238.732	ug/l	100
16) Acetone	2.32	43	246824	224.276	ug/l	100
17) Carbon Disulfide	2.48	76	212114	46.146	ug/l	99
18) Methyl Acetate	2.62	43	151674	51.826	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	265062	51.120	ug/l	100
20) Methylene Chloride	2.70	84	83102	45.128	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	72925	48.407	ug/l	97
22) Diisopropyl ether	3.57	45	309210	50.514	ug/l	98
23) Vinyl Acetate	3.52	43	1324791	253.893	ug/l	100
24) 1,1-Dichloroethane	3.45	63	159533	47.320	ug/l	99
25) 2-Butanone	4.26	43	399759	231.344	ug/l	99
26) 2,2-Dichloropropane	4.23	77	120393	45.790	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	85618	50.325	ug/l	98
28) Bromochloromethane	4.55	49	74529	45.860	ug/l	100
29) Tetrahydrofuran	4.64	42	261412	250.079	ug/l	100
30) Chloroform	4.67	83	143356	45.809	ug/l	98
31) Cyclohexane	5.00	56	148879	48.563	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	119807	47.950	ug/l	98
36) 1,1-Dichloropropene	5.14	75	110020	48.724	ug/l	99
37) Ethyl Acetate	4.38	43	143439	46.925	ug/l	98
38) Carbon Tetrachloride	5.13	117	102177	47.551	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	132395	53.955	ug/l	98
40) Benzene	5.39	78	332632	48.458	ug/l	100
41) Methacrylonitrile	4.54	41	84881	53.468	ug/l	98
42) 1,2-Dichloroethane	5.40	62	121616	46.894	ug/l	100
43) Isopropyl Acetate	5.55	43	230622	51.734	ug/l	99
44) Trichloroethene	6.19	130	74826	51.204	ug/l	96
45) 1,2-Dichloropropane	6.43	63	94300	48.214	ug/l	99
46) Dibromomethane	6.56	93	56625	47.937	ug/l	97
47) Bromodichloromethane	6.76	83	114091	47.766	ug/l	99
48) Methyl methacrylate	6.62	41	117647	48.518	ug/l	96
49) 1,4-Dioxane	6.61	88	39469	818.781	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	768819	256.427	ug/l	99
52) Toluene	7.64	92	205774	52.298	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	134838	52.542	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	144902	51.353	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	81277	48.751	ug/l	98
56) Ethyl methacrylate	8.02	69	141505	48.965	ug/l	98
57) 1,3-Dichloropropane	8.24	76	154844	49.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	360267	220.042	ug/l	100
59) 2-Hexanone	8.36	43	582755	248.305	ug/l	98
60) Dibromochloromethane	8.48	129	82027	50.159	ug/l	99
61) 1,2-Dibromoethane	8.59	107	86266	49.731	ug/l	99
64) Tetrachloroethene	8.23	164	64218	51.252	ug/l	97
65) Chlorobenzene	9.12	112	212409	49.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	74635	50.259	ug/l	98
67) Ethyl Benzene	9.25	91	386683	54.541	ug/l	99
68) m/p-Xylenes	9.38	106	291157	101.384	ug/l	98
69) o-Xylene	9.78	106	139729	55.625	ug/l	99
70) Styrene	9.79	104	230079	49.089	ug/l	99
71) Bromoform	9.96	173	60519	52.700	ug/l #	97
73) Isopropylbenzene	10.17	105	373567	55.412	ug/l	100
74) N-amyl acetate	10.01	43	206598	52.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	139647	45.053	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	128026m	47.551	ug/l	
77) Bromobenzene	10.45	156	85661	51.997	ug/l	100
78) n-propylbenzene	10.59	91	447827	56.141	ug/l	100
79) 2-Chlorotoluene	10.66	91	261231	52.137	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	306553	55.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35639m	42.360	ug/l	
82) 4-Chlorotoluene	10.77	91	299533	53.315	ug/l	100
83) tert-Butylbenzene	11.10	119	300030	54.532	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	317106	55.991	ug/l	99
85) sec-Butylbenzene	11.32	105	378168	56.307	ug/l	100
86) p-Isopropyltoluene	11.48	119	321758	51.037	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	157570	51.398	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	161419	48.311	ug/l	98
89) n-Butylbenzene	11.89	91	296414	48.591	ug/l	99
90) Hexachloroethane	12.15	117	55919	45.786	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	159124	48.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31074	49.142	ug/l	95

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	108114	57.611	ug/l	99
94) Hexachlorobutadiene	13.69	225	51522	51.888	ug/l	99
95) Naphthalene	13.74	128	367578	50.094	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	110263	54.790	ug/l	99

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

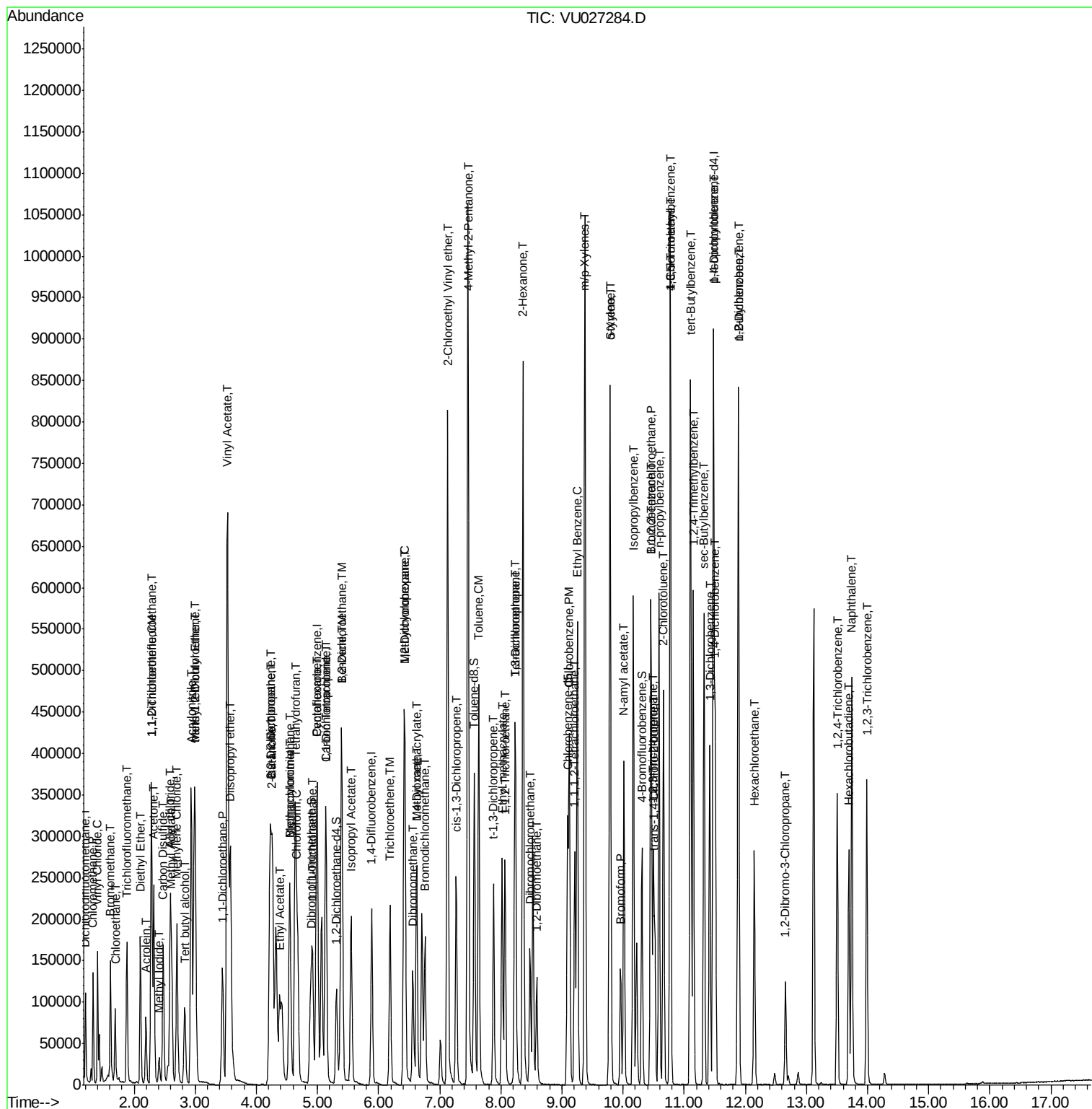
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Data File : VU027284.D
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 102162

Ion Ratio Lower Upper

168 100

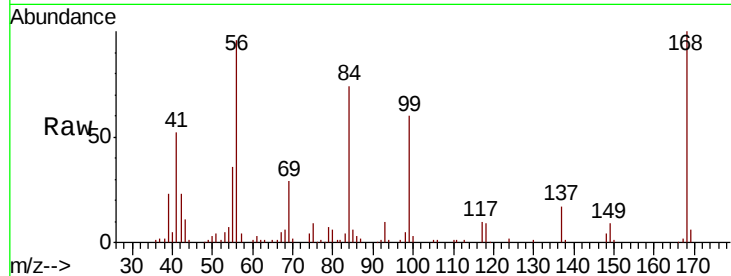
99 58.7 48.1 72.1

Manual Integrations

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10/2/2018 1:08:16 PM



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

50000

40000

30000

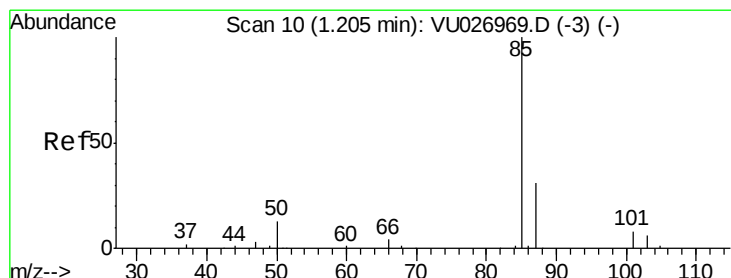
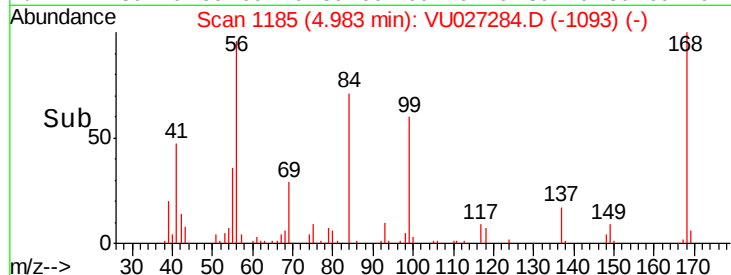
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.384 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027284.D

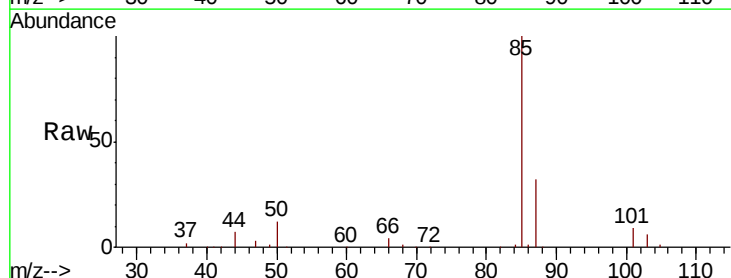
Acq: 28 Sep 2018 20:31

Tgt Ion: 85 Resp: 63204

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

60000

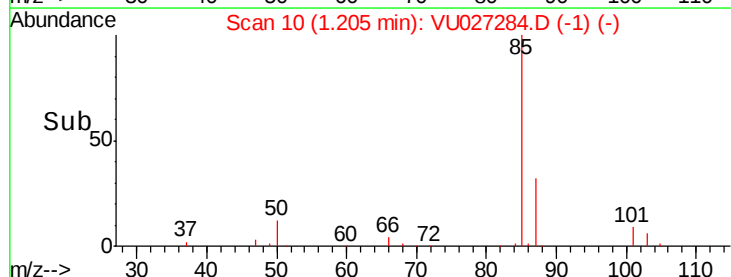
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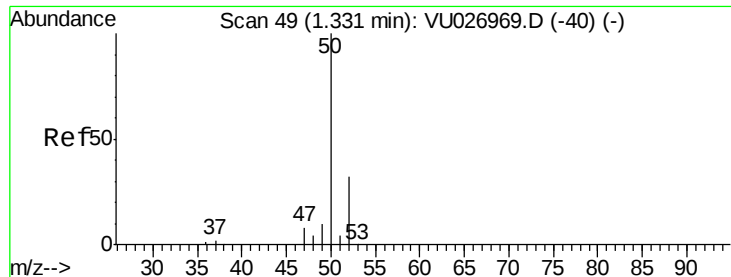
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 38.887 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 89430

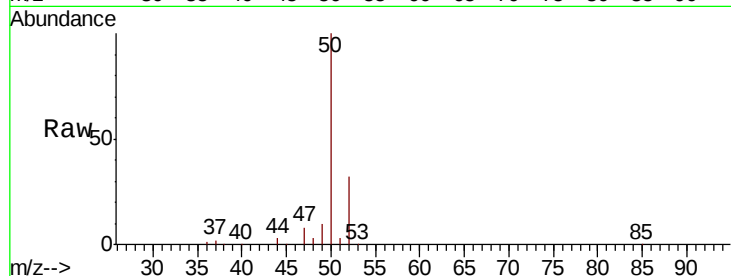
Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9

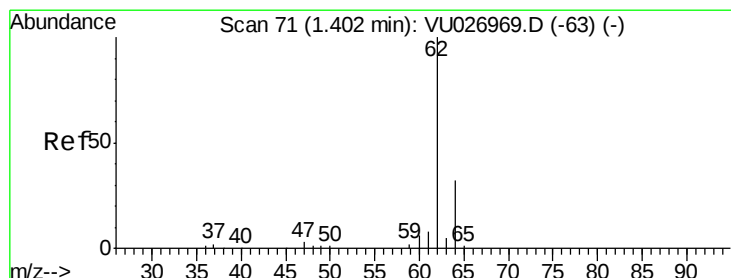
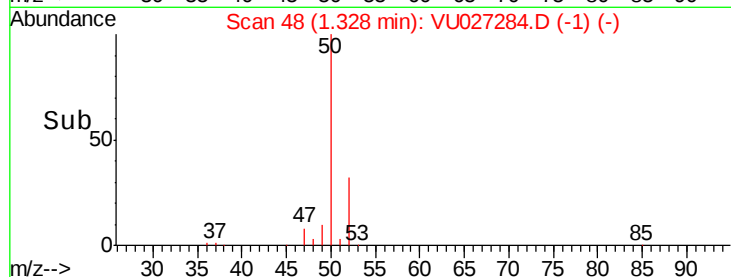
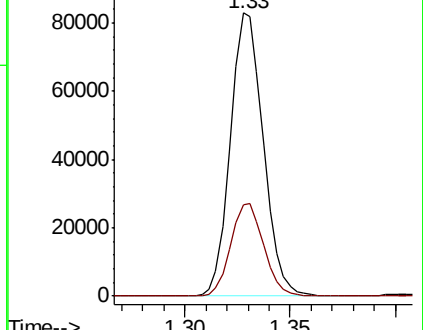
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027284.D (-1) (-)



#4

Vinyl Chloride

Concen: 45.098 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027284.D

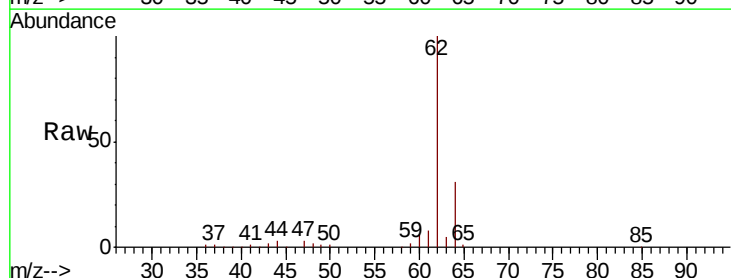
Acq: 28 Sep 2018 20:31

Tgt Ion: 62 Resp: 96811

Ion Ratio Lower Upper

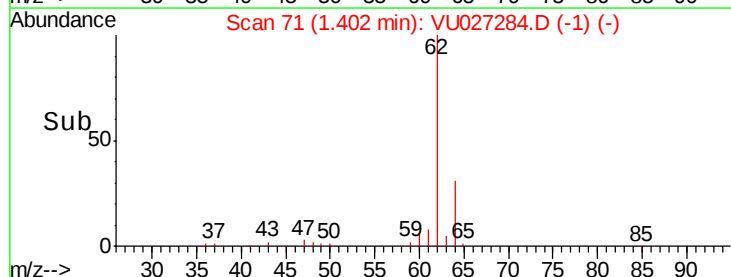
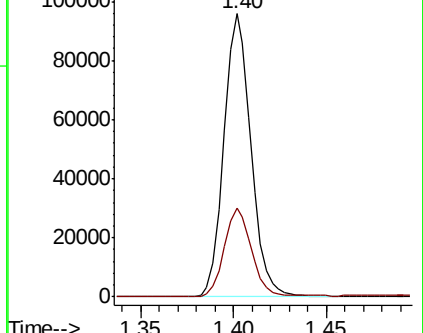
62 100

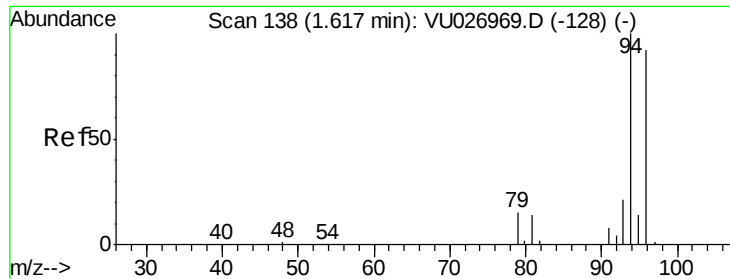
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027284.D (-1) (-)





#5

Bromomethane

Concen: 51.822 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63350

Ion Ratio Lower Upper

94 100

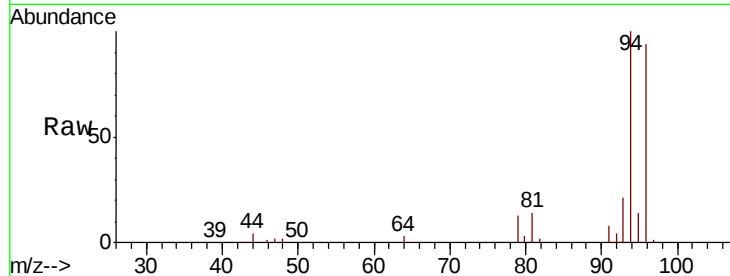
96 93.9 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

60000

50000

40000

30000

20000

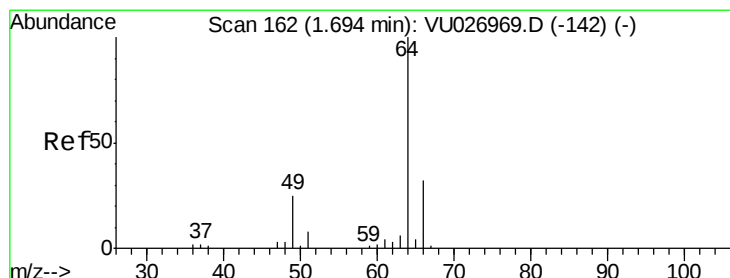
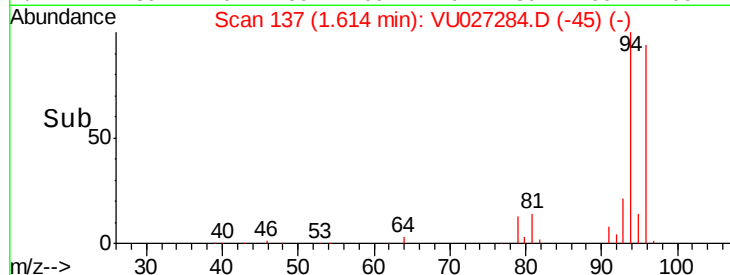
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0

1.61

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 43.543 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027284.D

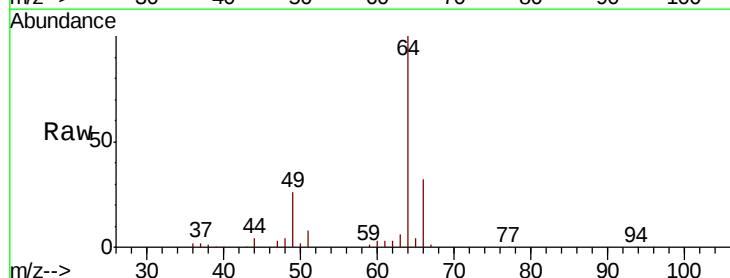
Acq: 28 Sep 2018 20:31

Tgt Ion: 64 Resp: 59724

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

50000

40000

30000

20000

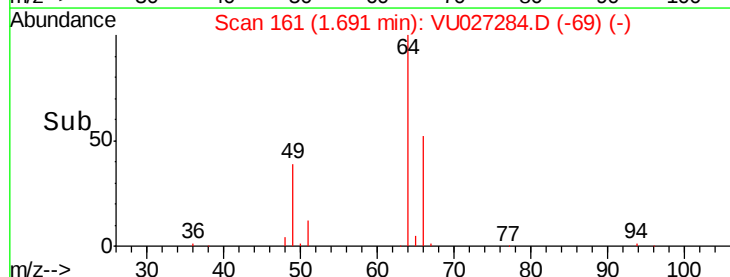
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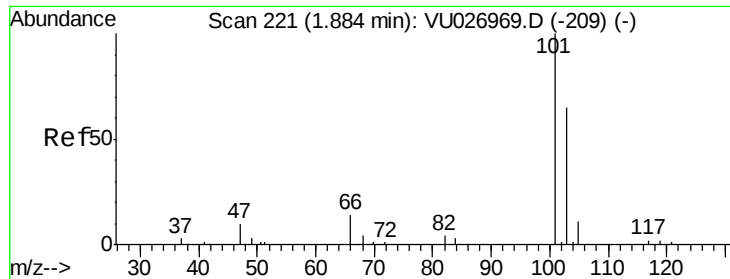
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1.69

1.65 1.70 1.75

Time-->





#7

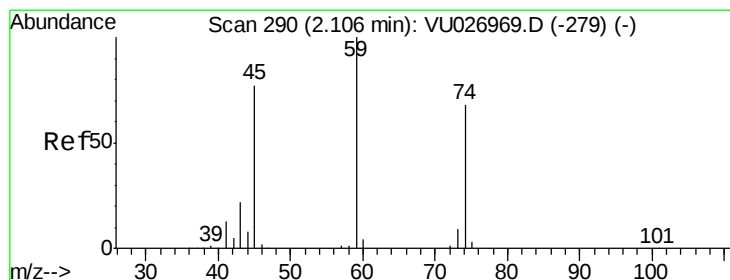
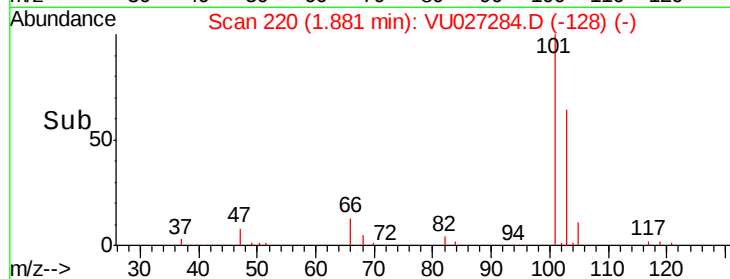
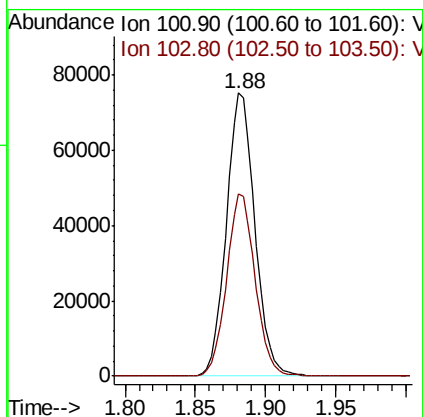
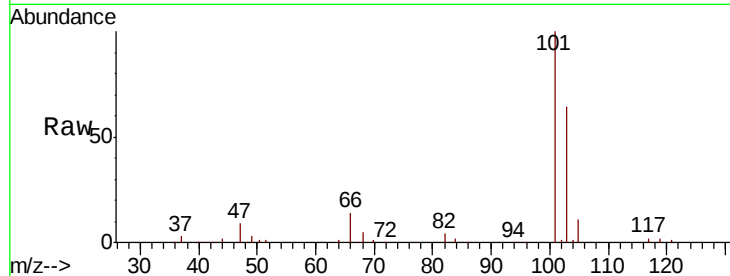
Trichlorofluoromethane
Concen: 43.526 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

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MSVOA_U
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

Manual Integrations
APPROVED

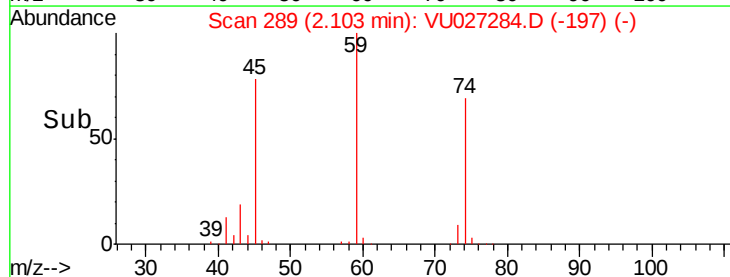
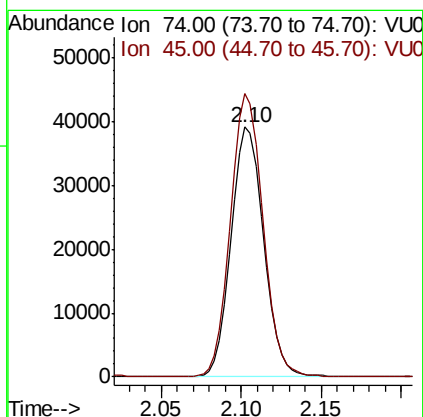
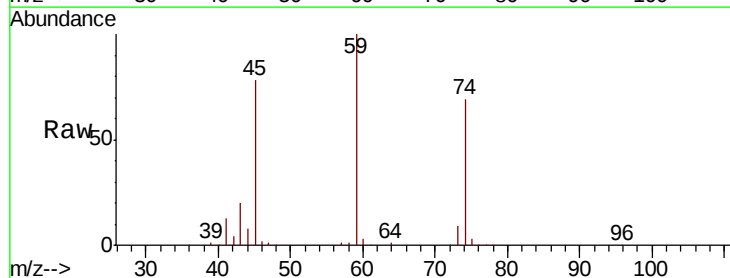
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10/2/2018 1:08:16 PM

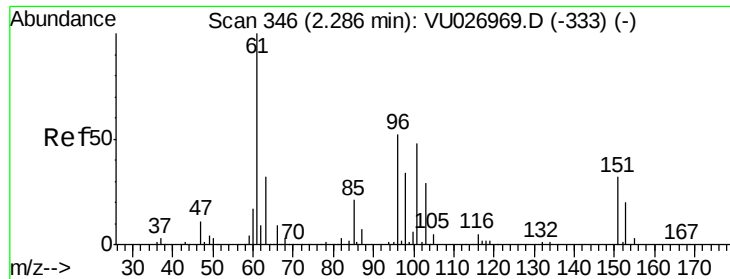


#8

Diethyl Ether
Concen: 46.190 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.4	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.959 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

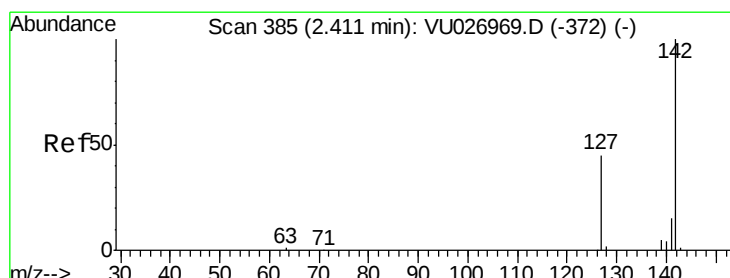
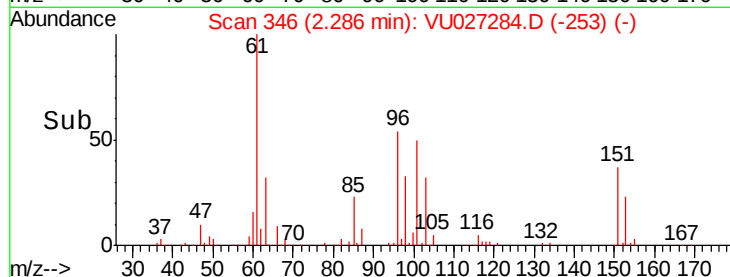
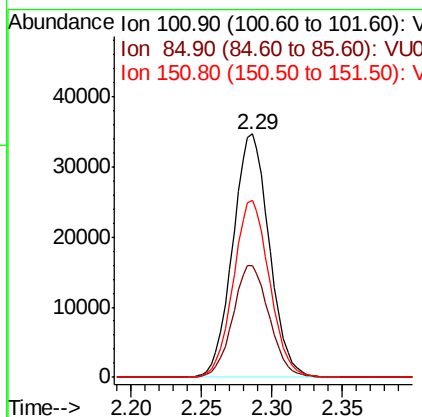
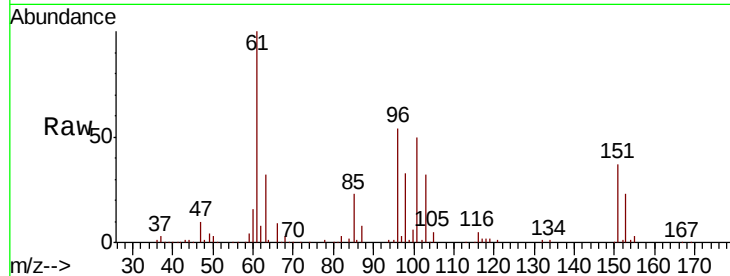
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	62902
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.2
151	72.1	54.5	81.7

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#10

Methyl Iodide

Concen: 16.145 ug/l

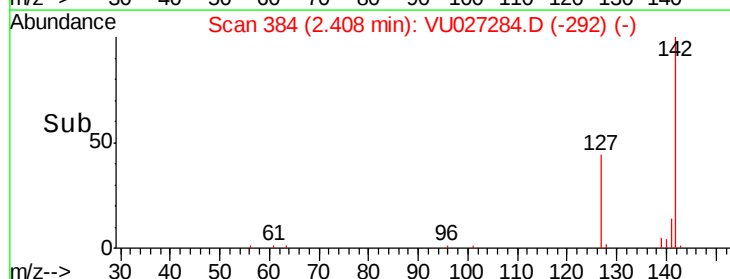
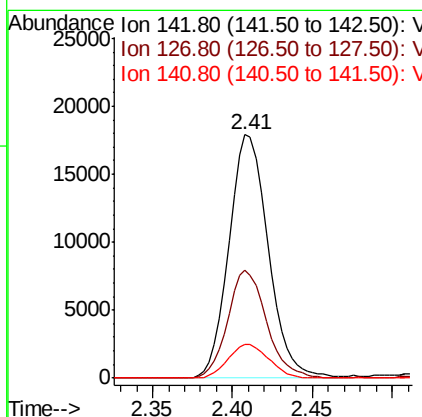
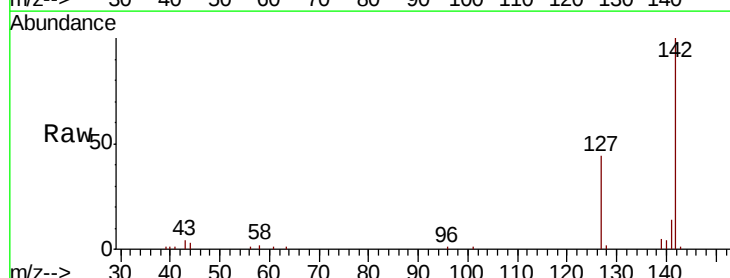
RT: 2.41 min Scan# 384

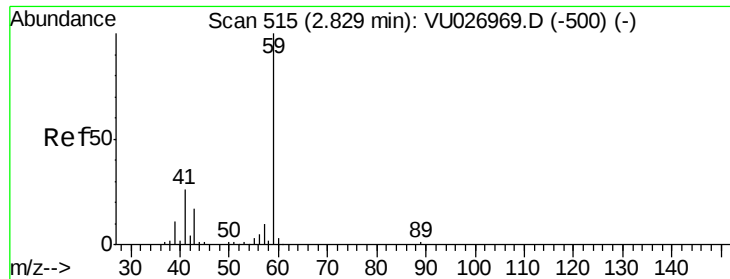
Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion:	142	Resp:	30018
Ion Ratio	Lower	Upper	
142	100		
127	43.5	36.7	55.1
141	14.2	11.8	17.6





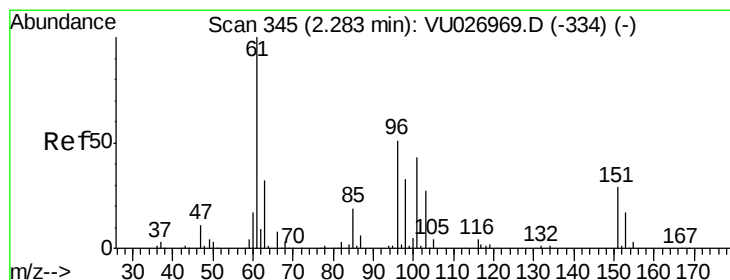
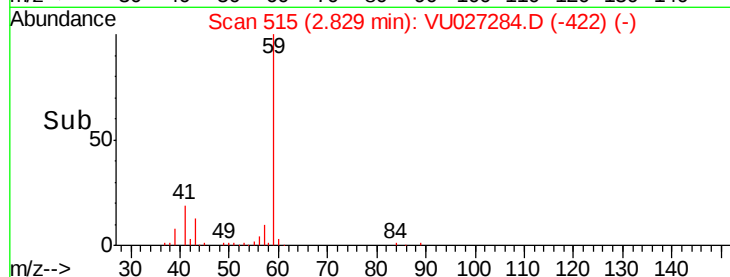
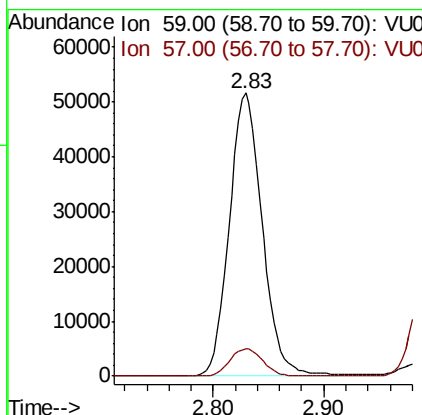
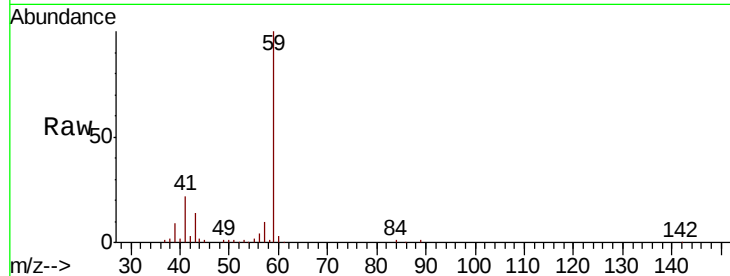
#11
Tert butyl alcohol
Concen: 226.909 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

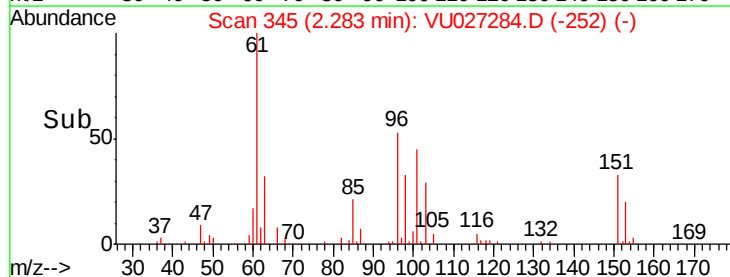
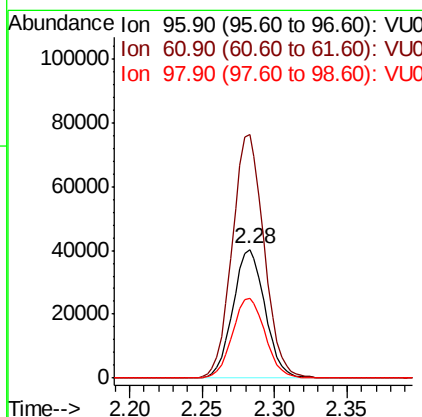
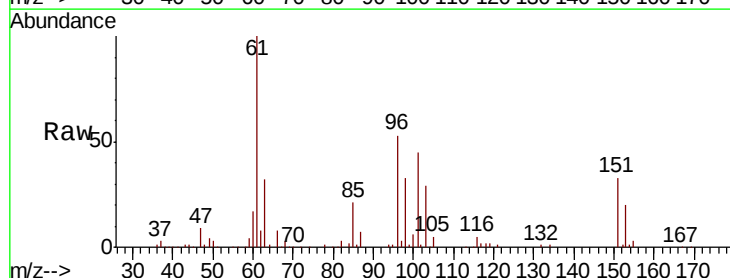
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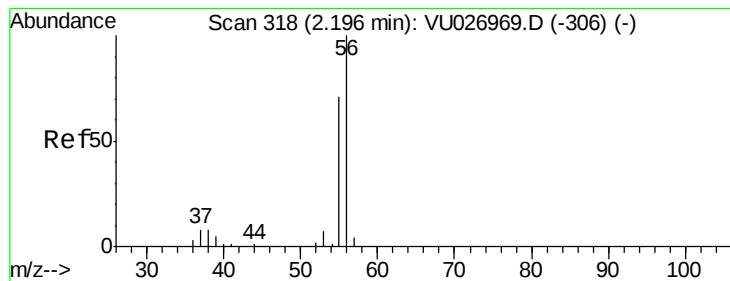
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#12
1,1-Dichloroethene
Concen: 43.838 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.2	156.1	234.1
98	62.0	51.4	77.0





#13

Acrolein

Concen: 222.993 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 56653

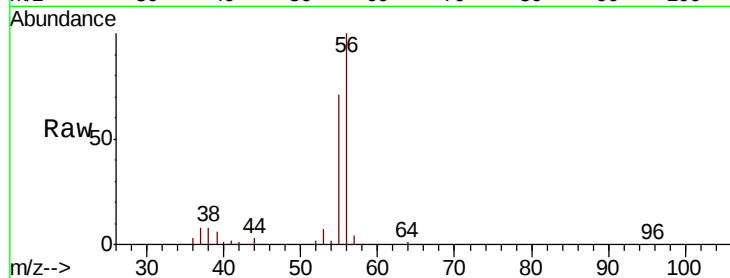
Ion Ratio Lower Upper

56 100

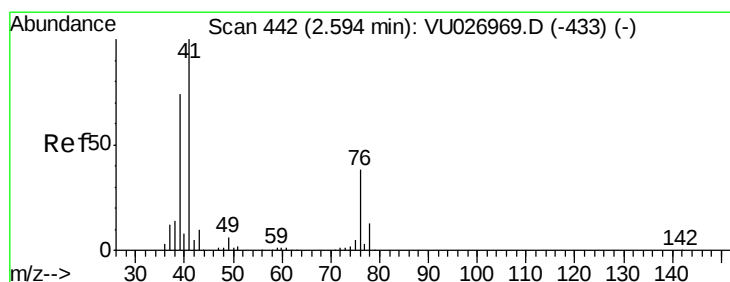
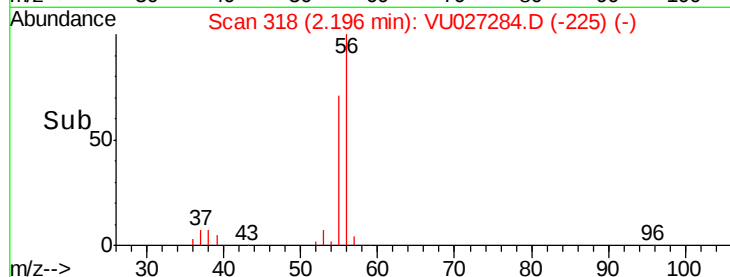
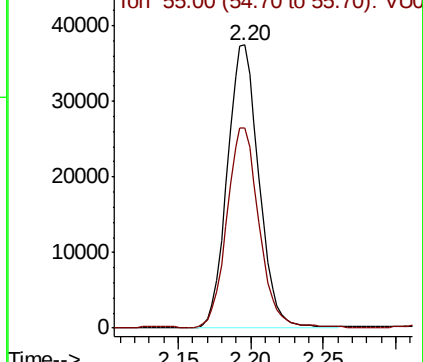
55 72.2 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VU027284.D (-225) (-)



#14

Allyl chloride

Concen: 49.923 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

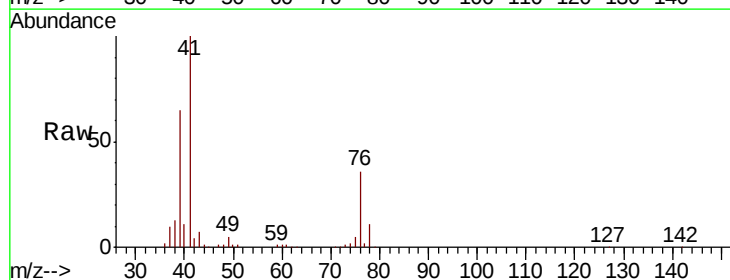
Tgt Ion: 41 Resp: 142873

Ion Ratio Lower Upper

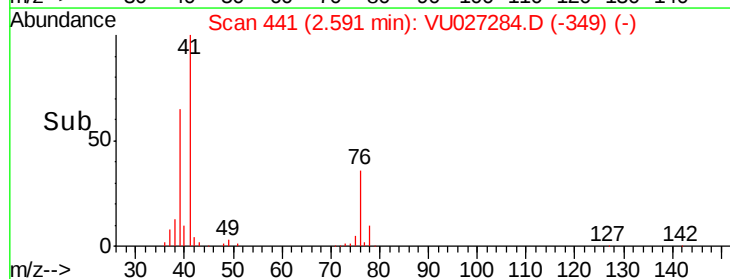
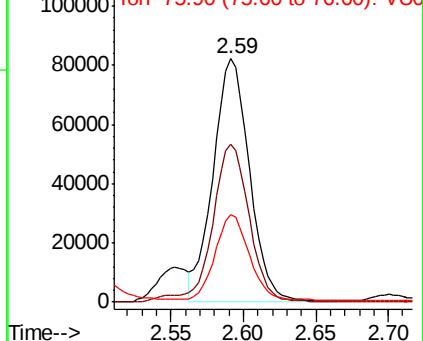
41 100

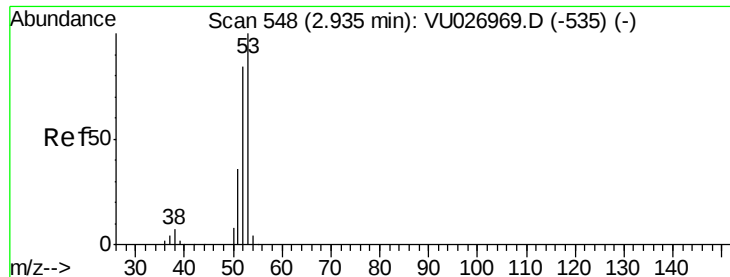
39 66.1 55.7 83.5

76 33.0 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU027284.D (-349) (-)





#15

Acrylonitrile

Concen: 238.732 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

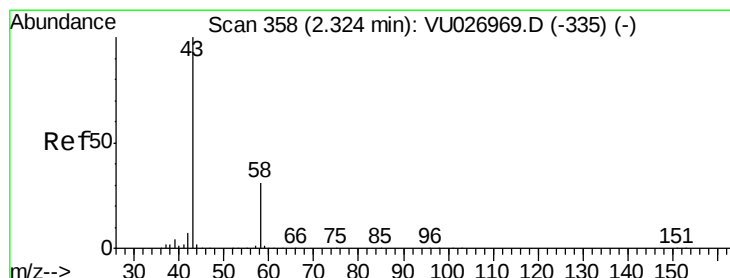
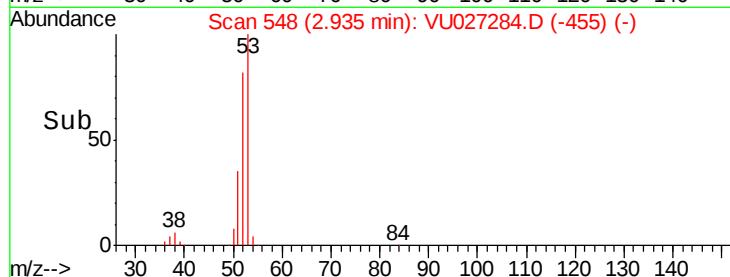
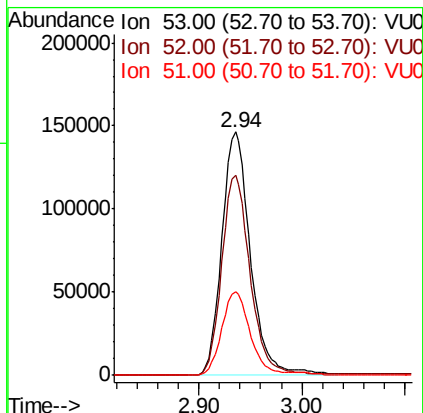
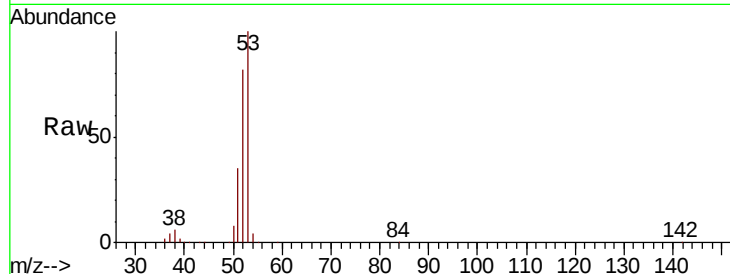
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	283574
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	34.1	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 224.276 ug/l

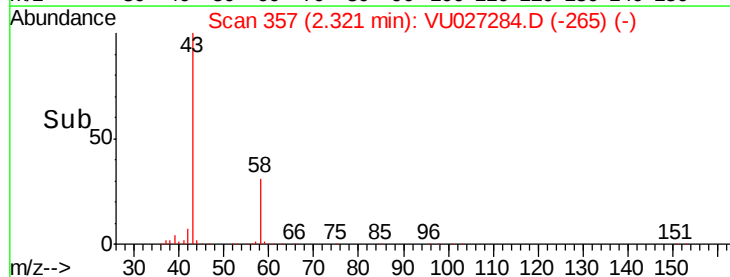
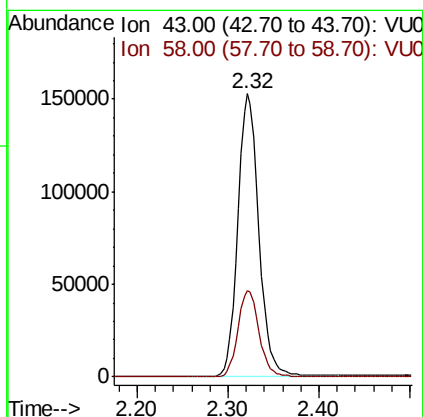
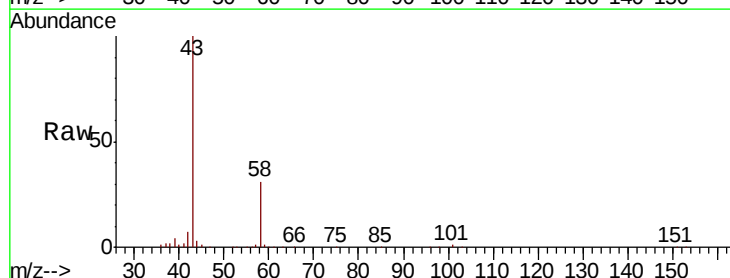
RT: 2.32 min Scan# 357

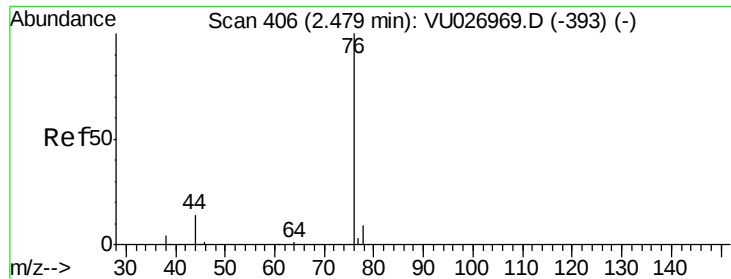
Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion:	43	Resp:	246824
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	36.8





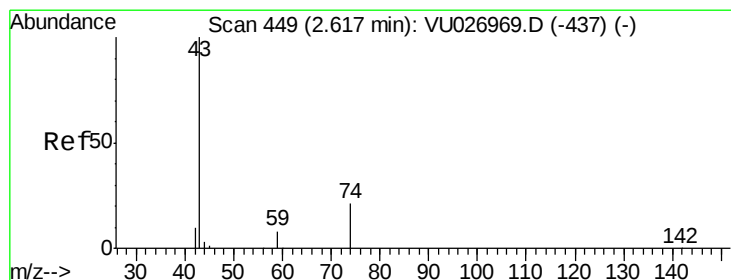
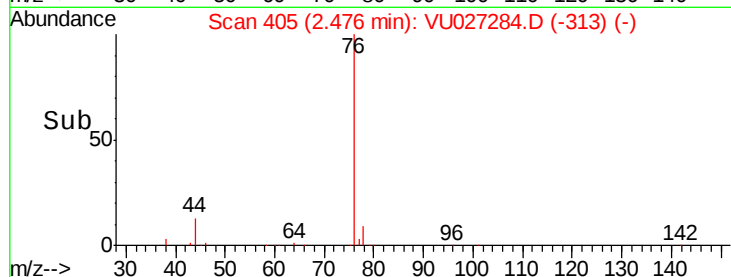
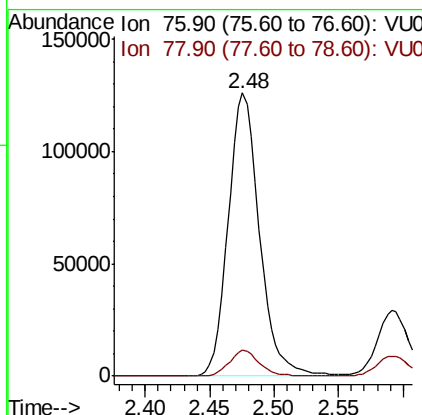
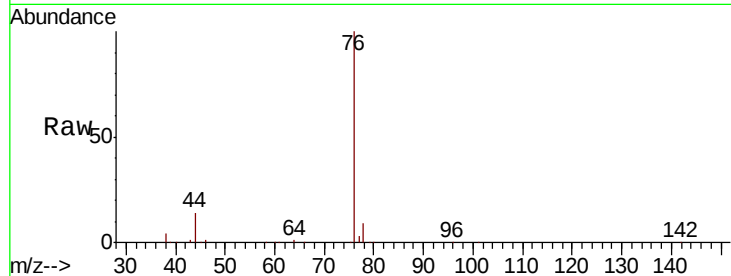
#17
Carbon Disulfide
Concen: 46.146 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

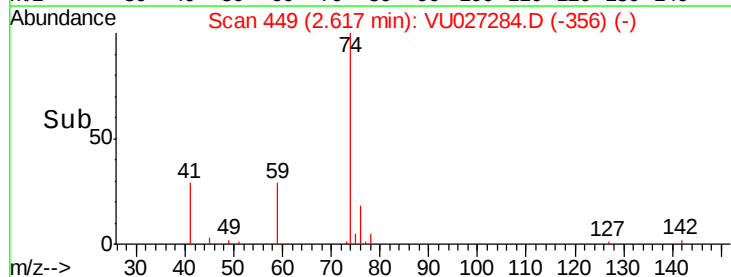
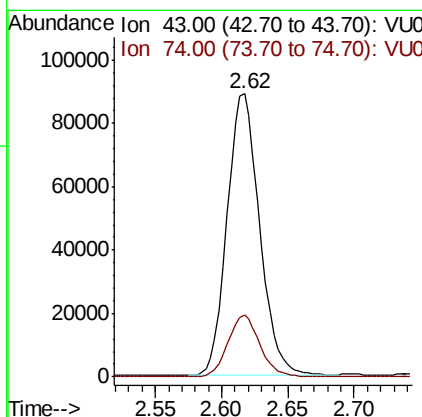
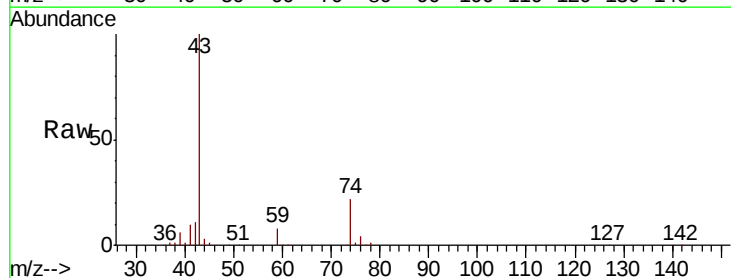
Manual Integrations
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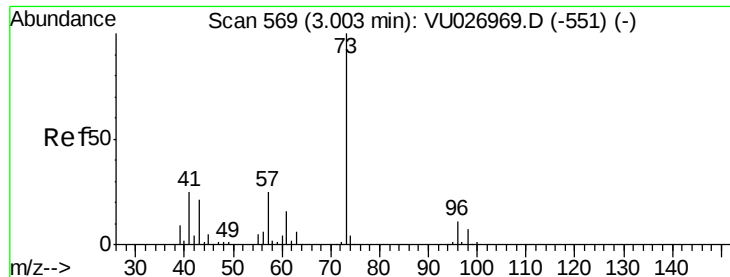
MMDadoda
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#18
Methyl Acetate
Concen: 51.826 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	16.6	25.0





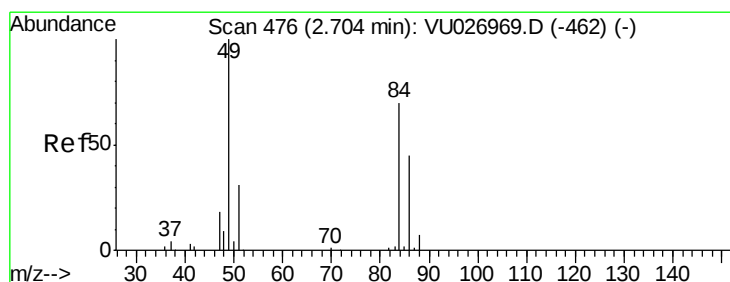
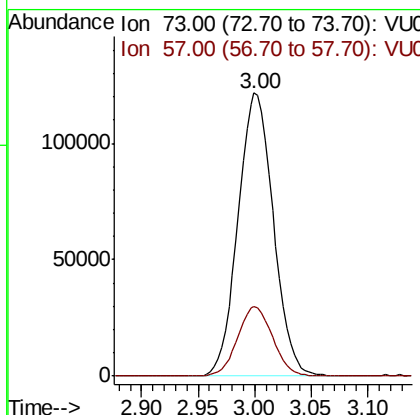
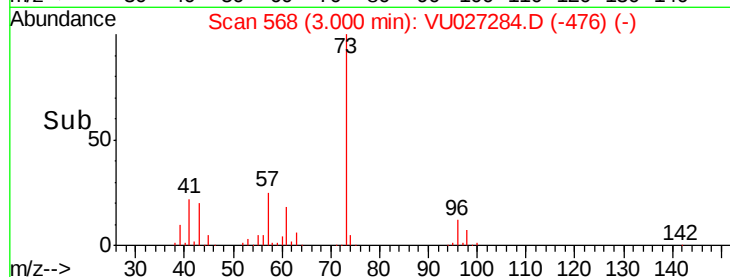
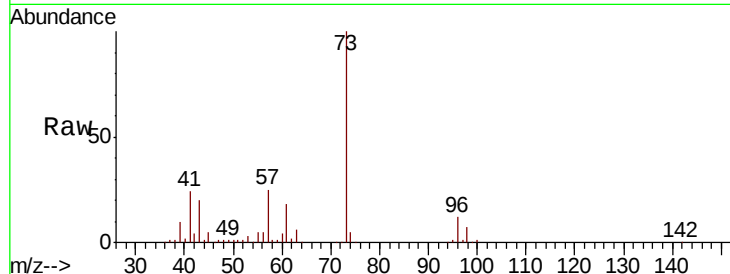
#19
Methyl tert-butyl Ether
Concen: 51.120 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.6

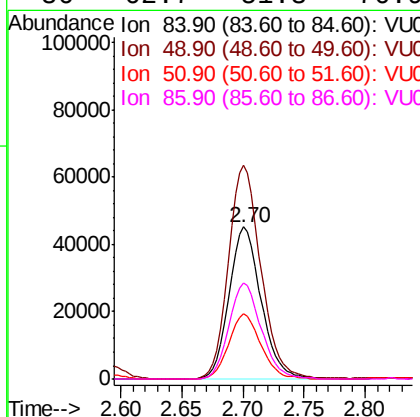
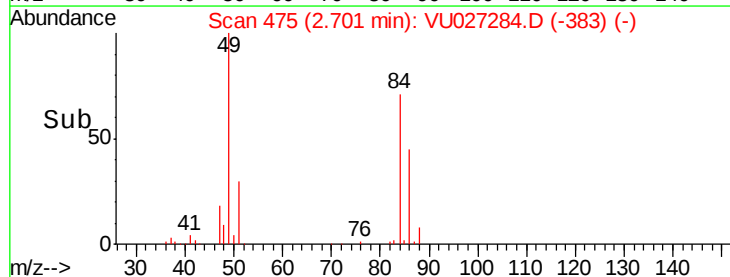
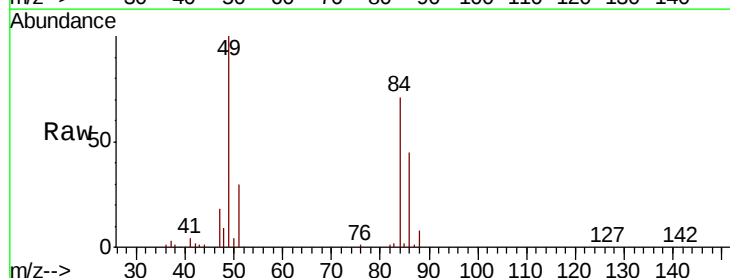
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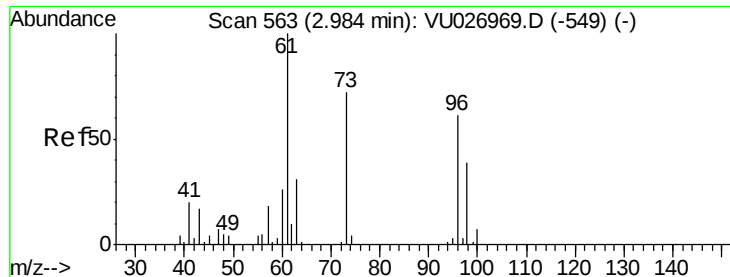
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#20
Methylene Chloride
Concen: 45.128 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.2	114.9	172.3
51	42.5	35.8	53.8
86	62.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.407 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 72925

Ion Ratio Lower Upper

96 100

61 160.6 131.8 197.6

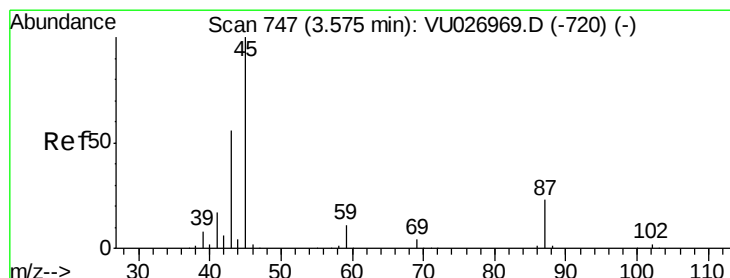
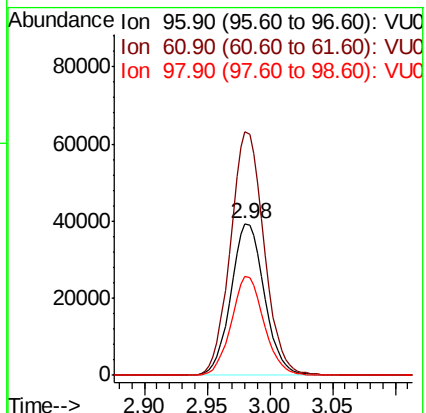
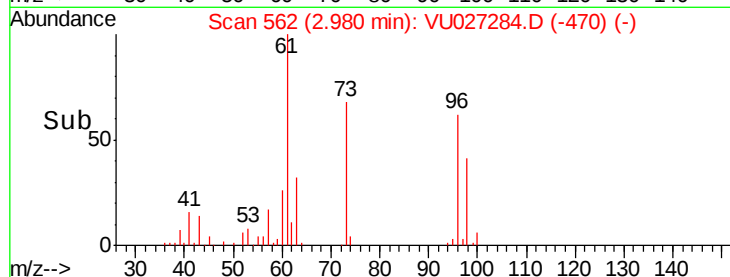
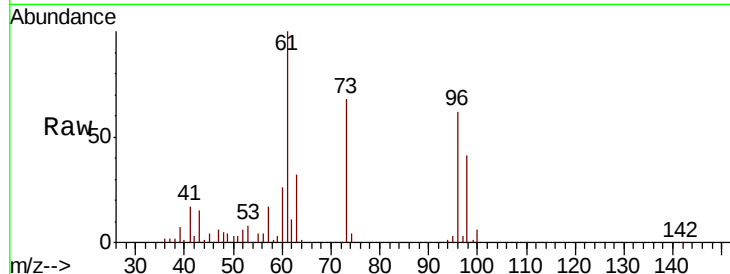
98 65.2 50.9 76.3

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#22

Diisopropyl ether

Concen: 50.514 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion: 45 Resp: 309210

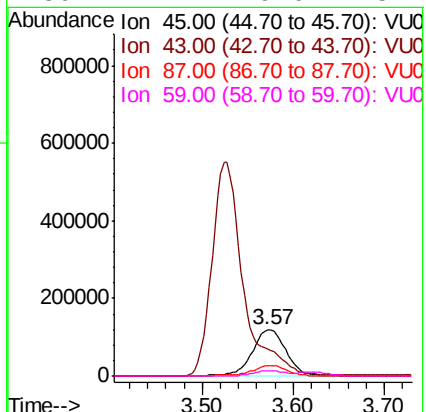
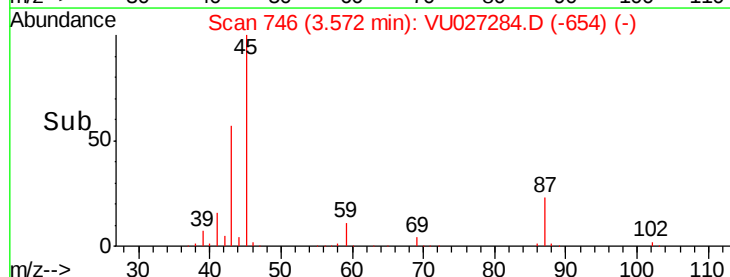
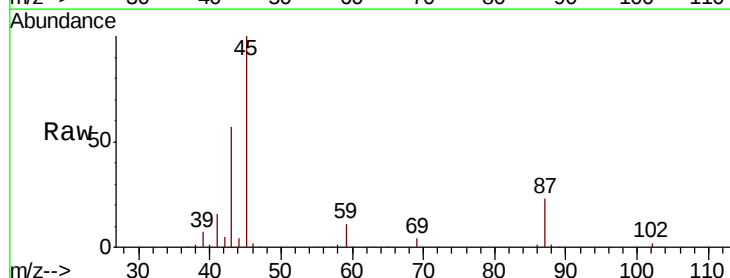
Ion Ratio Lower Upper

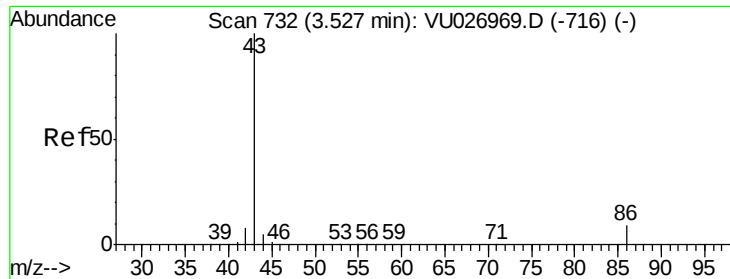
45 100

43 55.0 45.8 68.6

87 23.1 18.6 28.0

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 253.893 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1324791

Ion Ratio Lower Upper

43 100

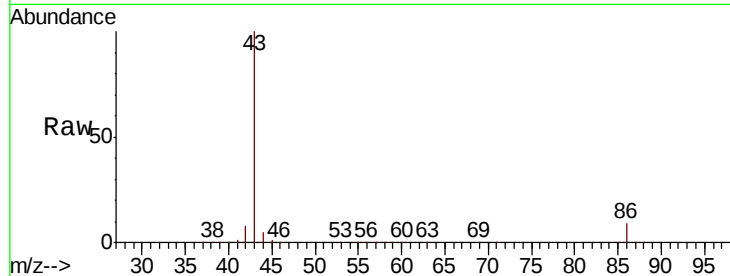
86 9.0 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-716) (-)

Ion 86.00 (85.70 to 86.70): VU026969.D (-716) (-)

3.52

600000

500000

400000

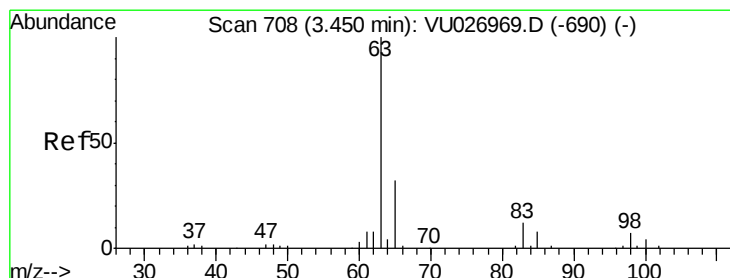
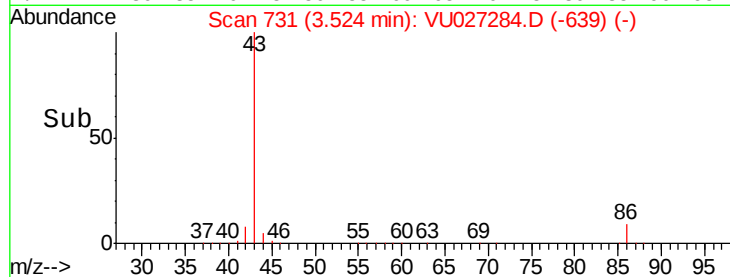
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.320 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

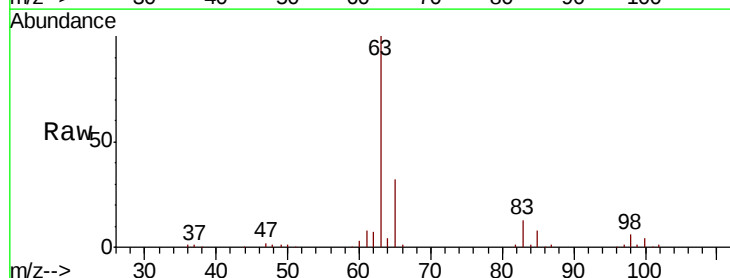
Tgt Ion: 63 Resp: 159533

Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

3.45

80000

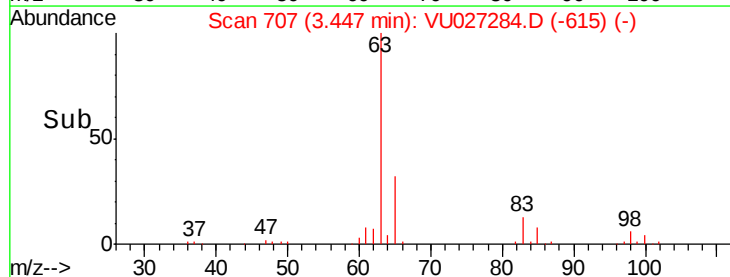
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 231.344 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 399759

Ion Ratio Lower Upper

43 100

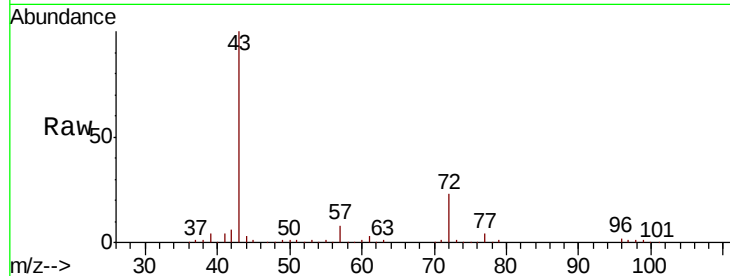
72 23.3 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

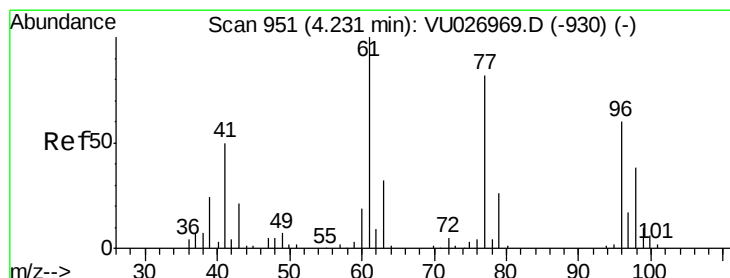
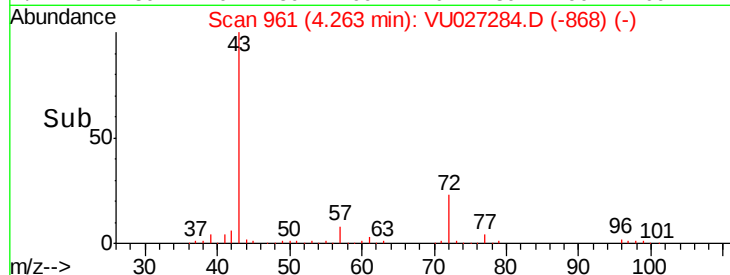
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.790 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027284.D

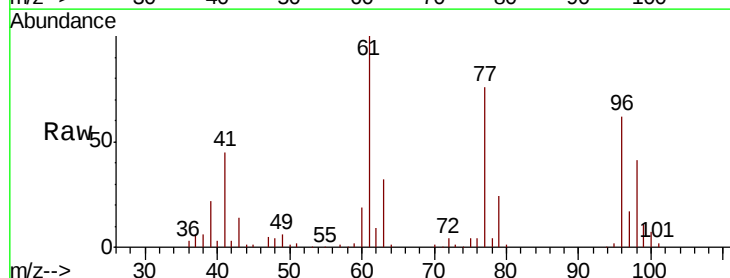
Acq: 28 Sep 2018 20:31

Tgt Ion: 77 Resp: 120393

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

50000

40000

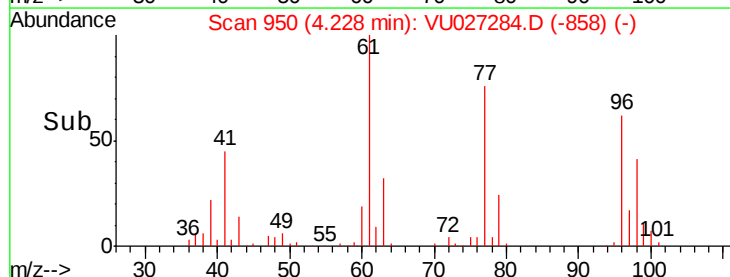
30000

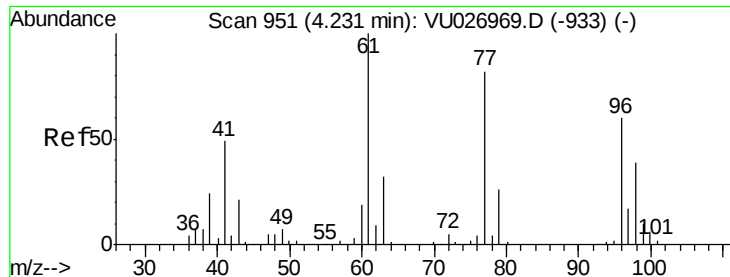
20000

10000

0

Time-->





#27

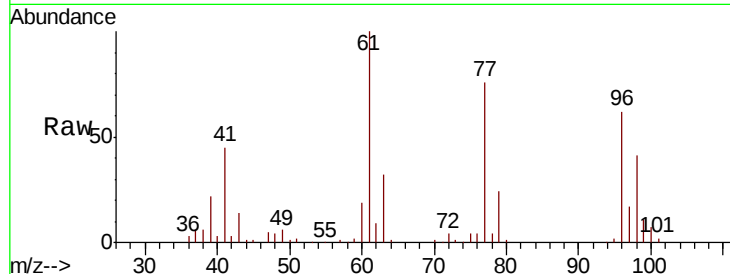
cis-1,2-Dichloroethene
Concen: 50.325 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.0	0.0	337.2	
98	64.4	0.0	127.6	

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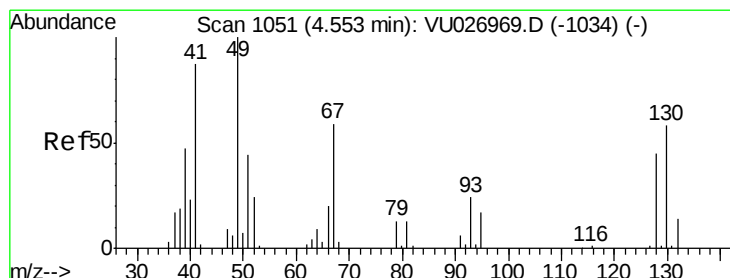
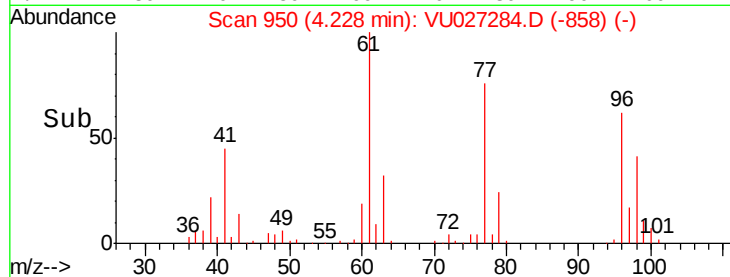
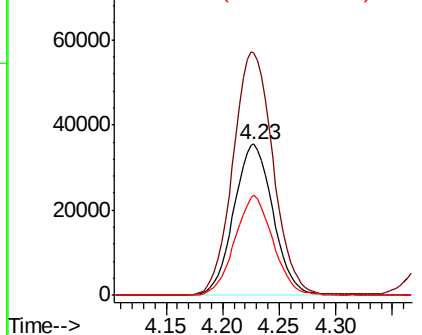


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

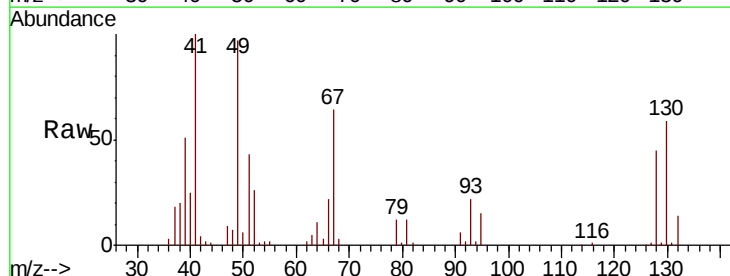
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 45.860 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.0	
130	60.1	47.8	71.8	

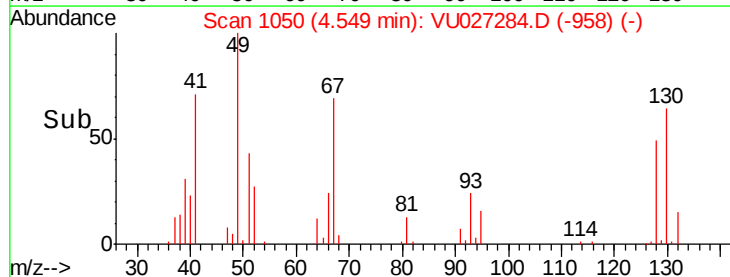
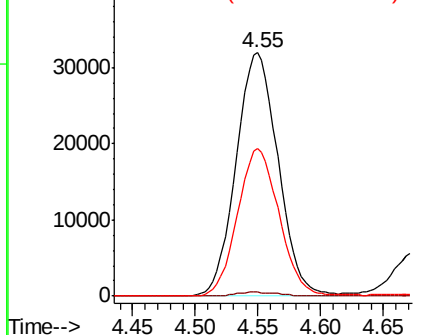


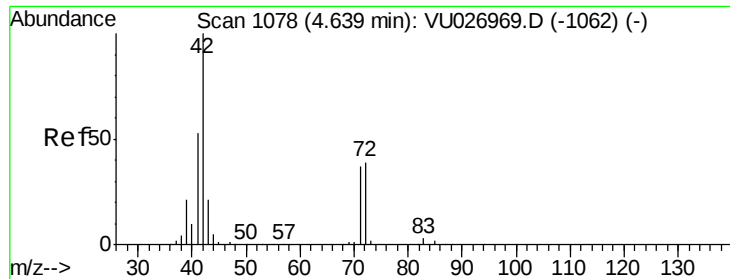
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





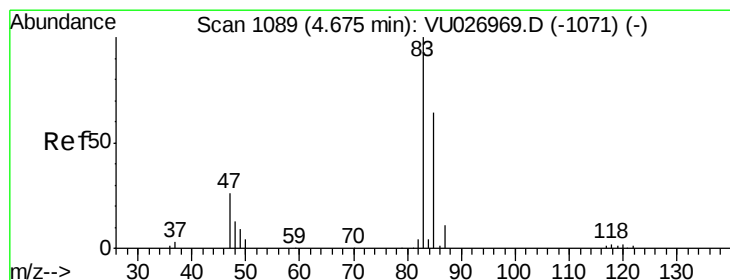
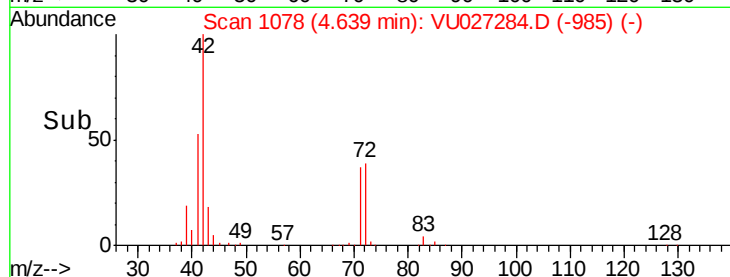
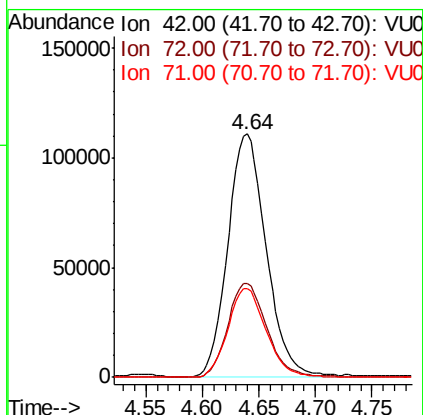
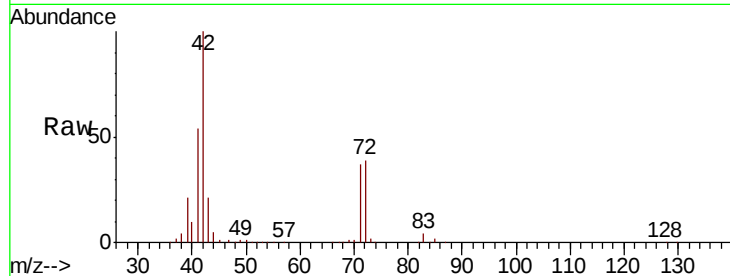
#29
Tetrahydrofuran
Concen: 250.079 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

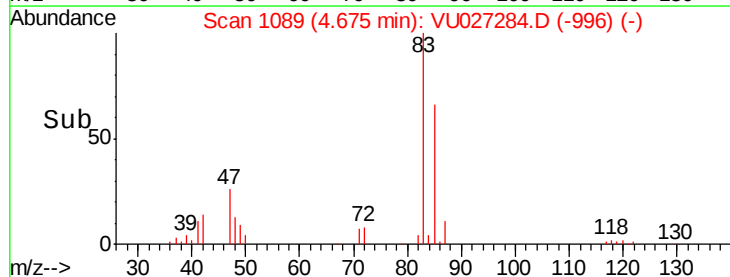
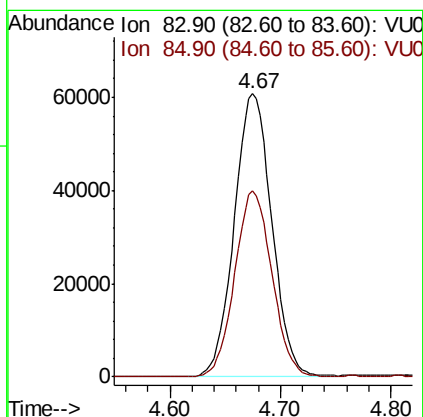
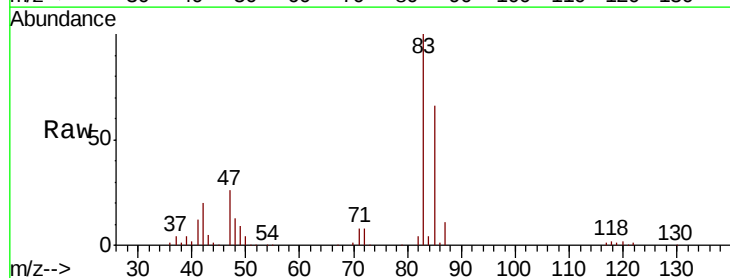
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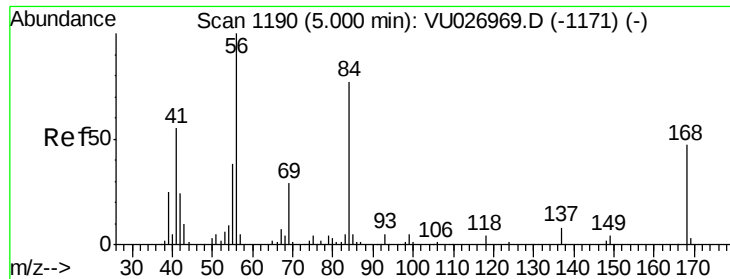
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#30
Chloroform
Concen: 45.809 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3





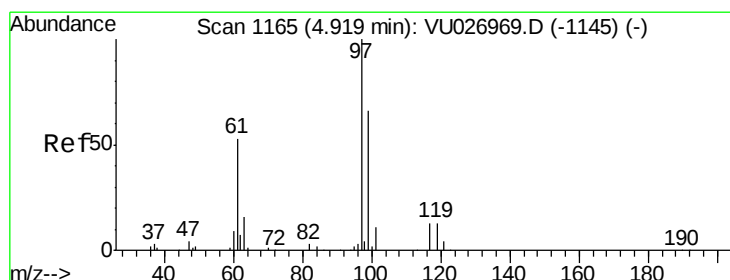
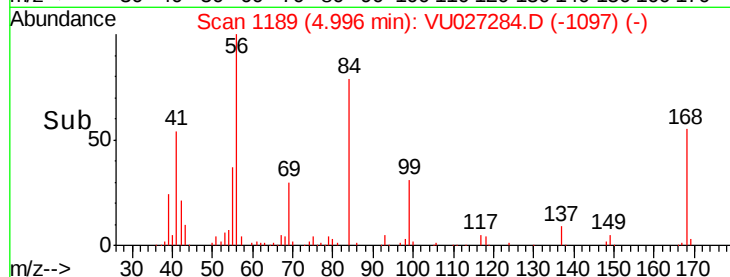
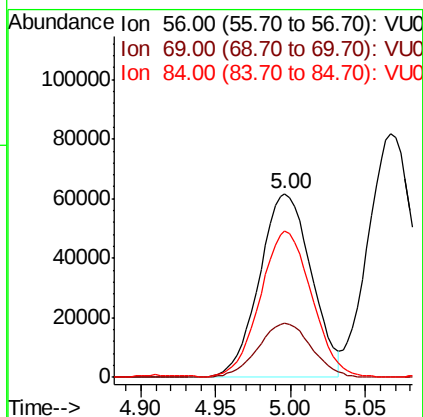
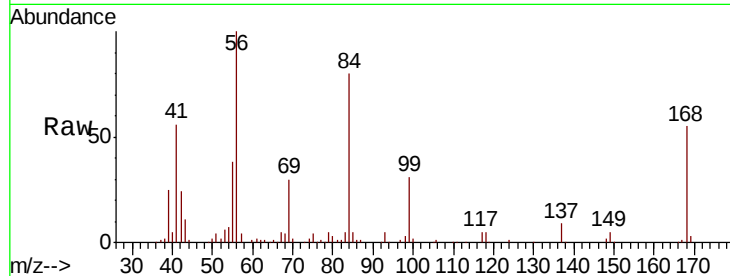
#31
Cyclohexane
Concen: 48.563 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.0	34.4
84	79.0	61.4	92.2

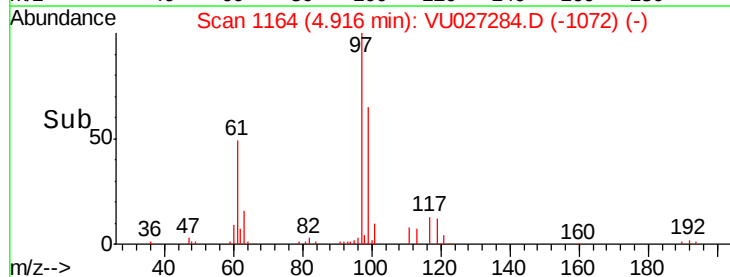
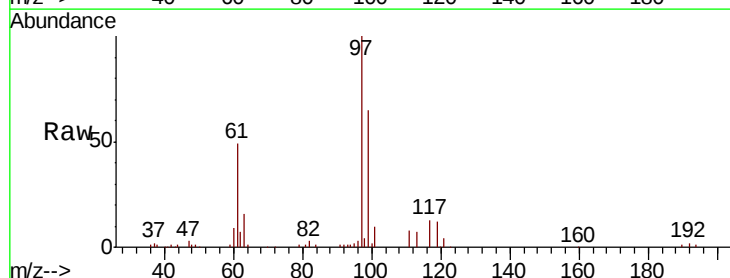
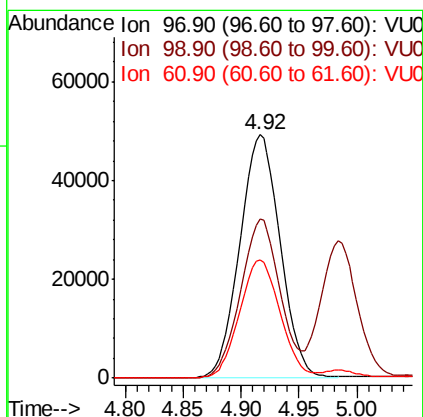
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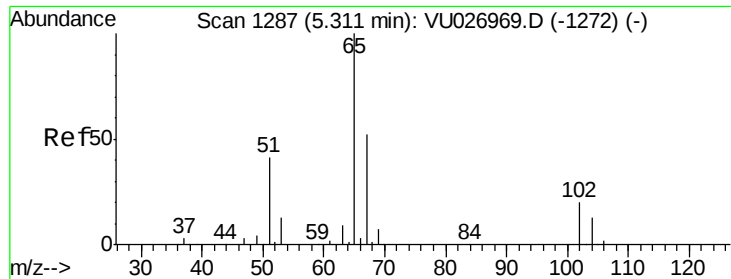
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#32
1,1,1-Trichloroethane
Concen: 47.950 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	48.9	41.1	61.7





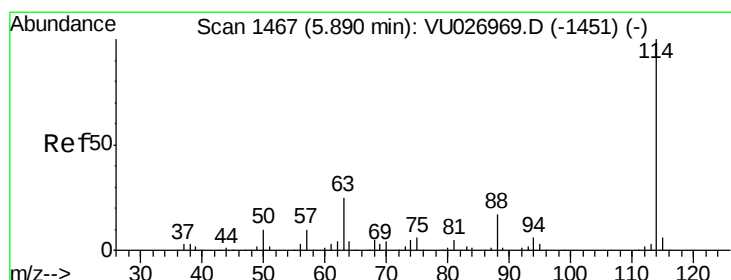
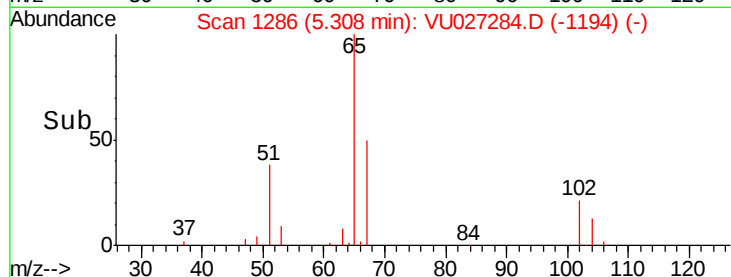
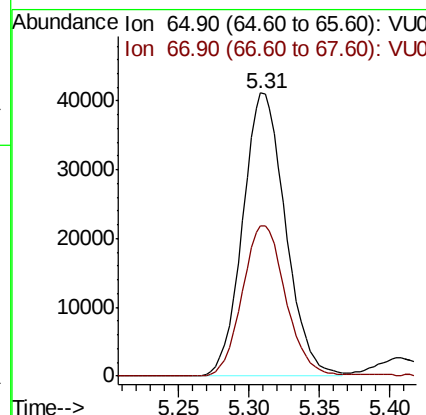
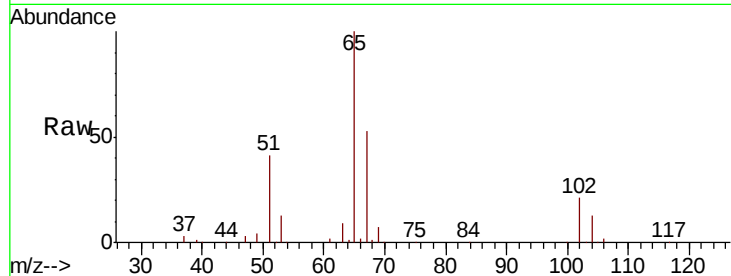
#33
 1,2-Dichloroethane-d4
 Concen: 42.477 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	105.6

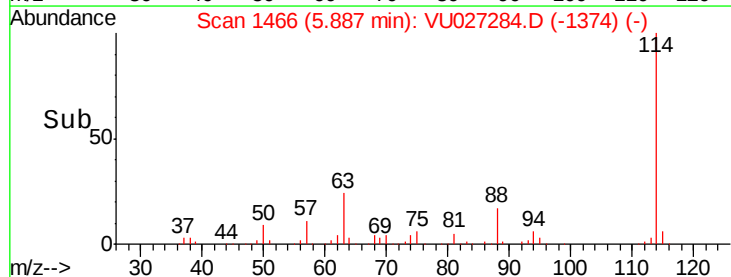
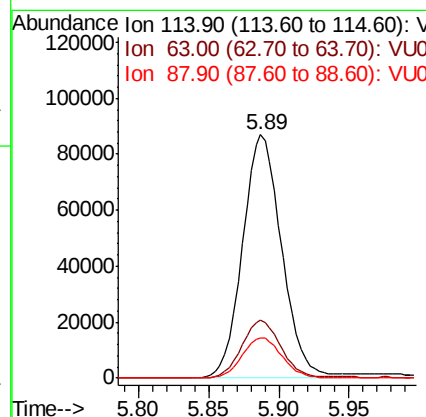
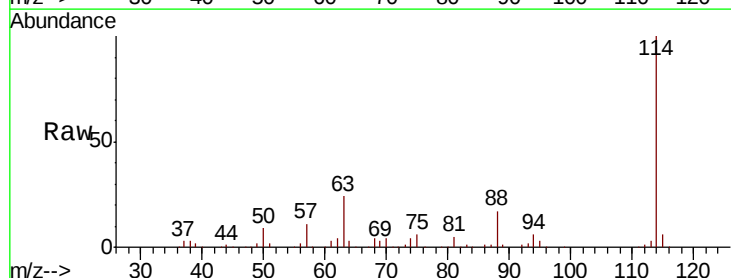
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	49.2
88	16.7	0.0	33.8





#35

Dibromofluoromethane

Concen: 45.821 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

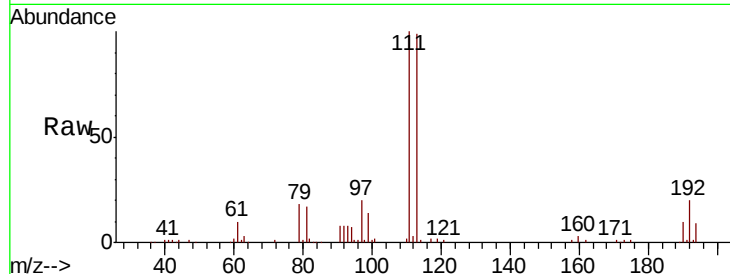
ClientSampleId :

VSTDCCC050

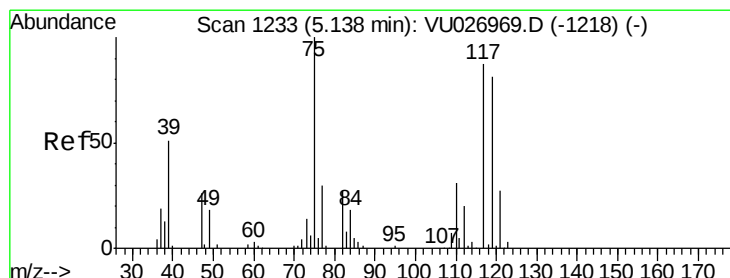
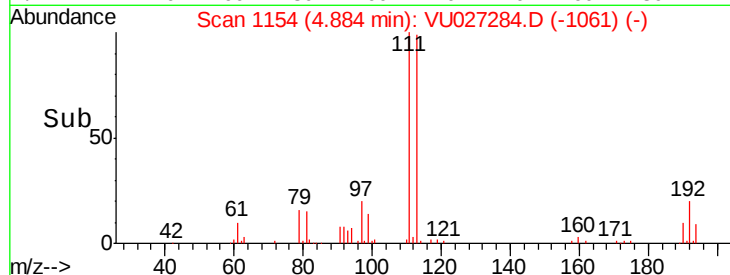
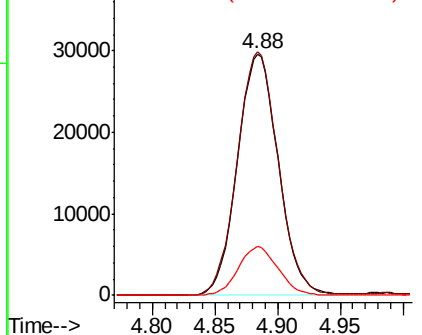
Tot Ion:	113	Resp:	67198
Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	19.6	15.2	22.8

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.724 ug/l

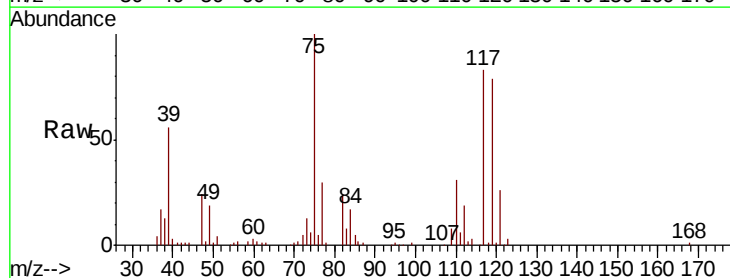
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

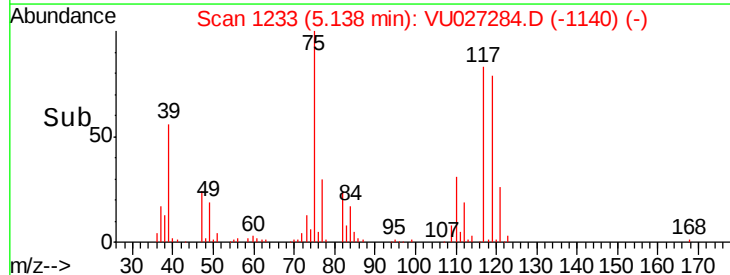
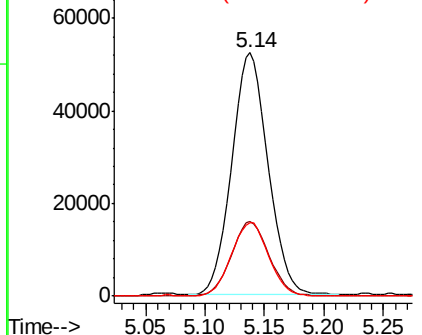
Lab File: VU027284.D

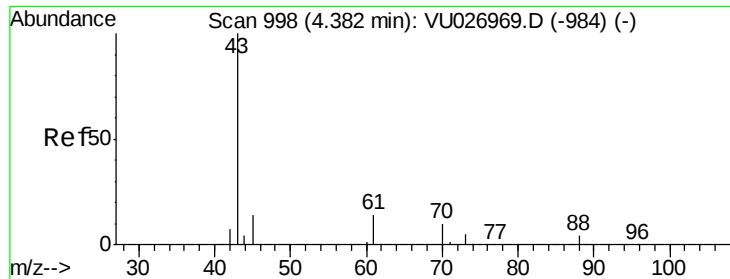
Acq: 28 Sep 2018 20:31

Tgt Ion:	75	Resp:	110020
Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.1	48.2
77	31.5	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





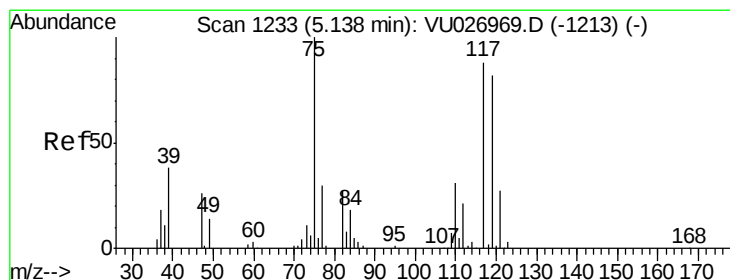
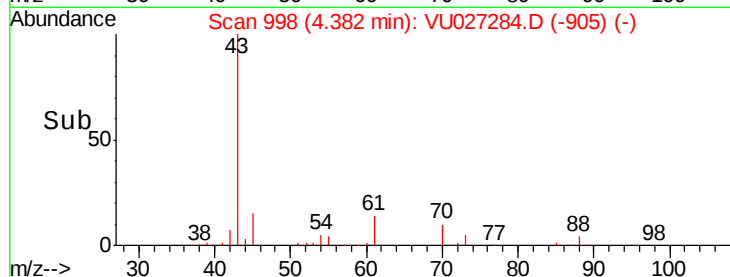
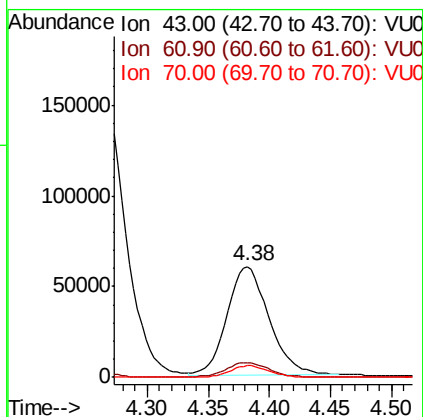
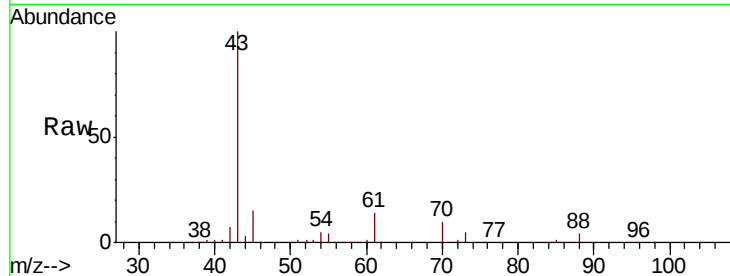
#37
Ethyl Acetate
Concen: 46.925 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	10.0	7.4	11.0

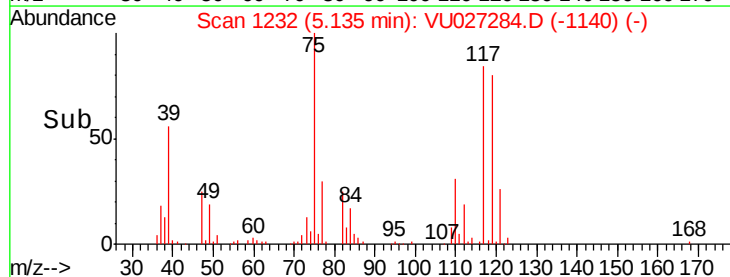
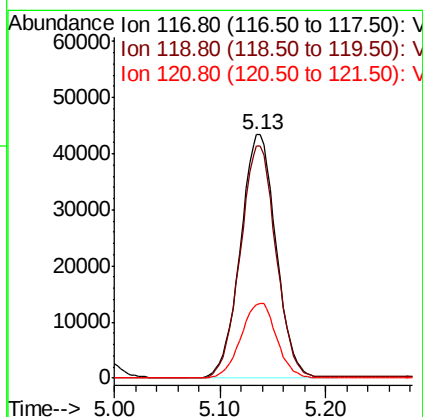
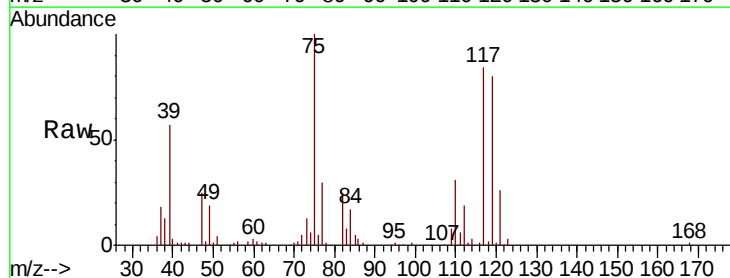
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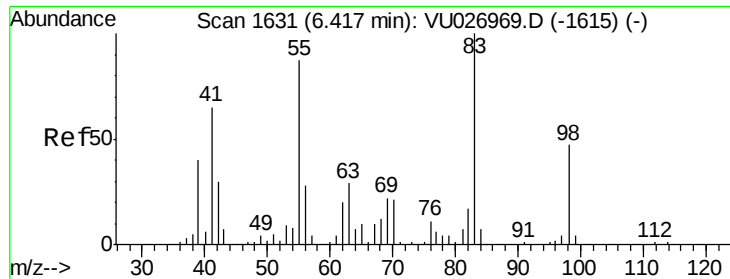
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#38
Carbon Tetrachloride
Concen: 47.551 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	74.4	111.6
121	30.3	24.2	36.4





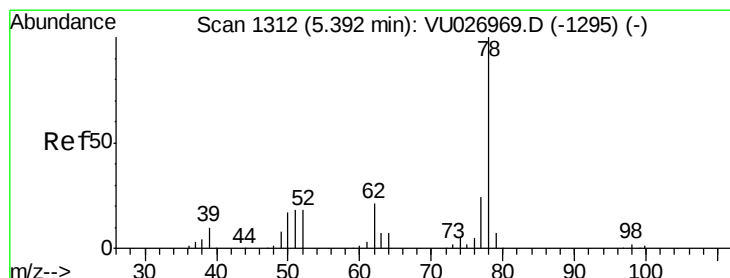
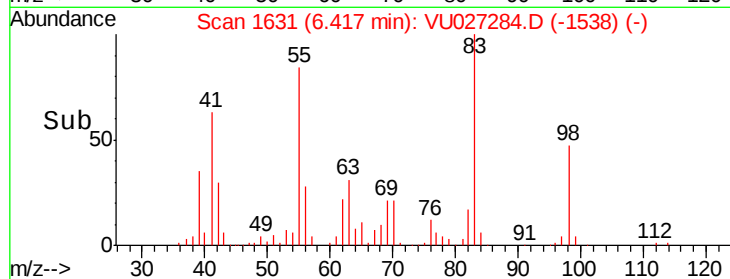
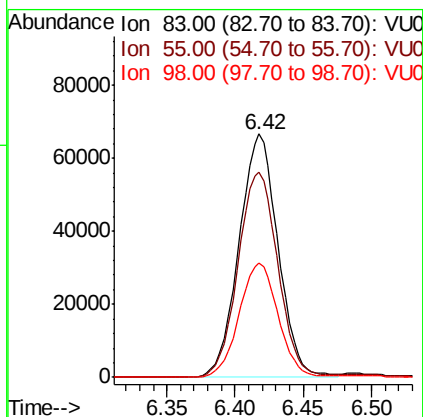
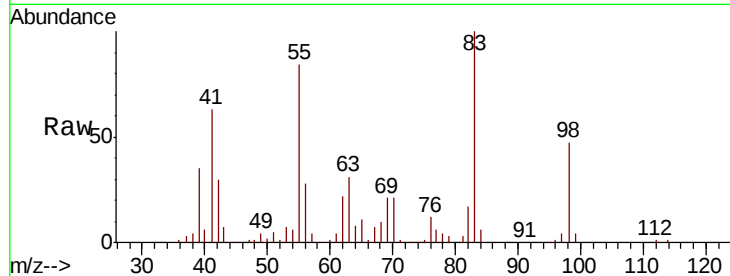
#39
Methvlcvclohexane
Concen: 53.955 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.1	69.9	104.9	
98	46.9	37.5	56.3	

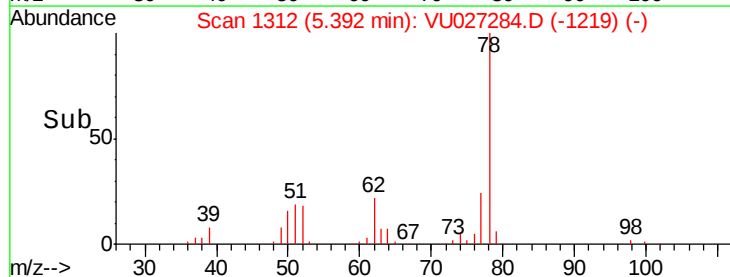
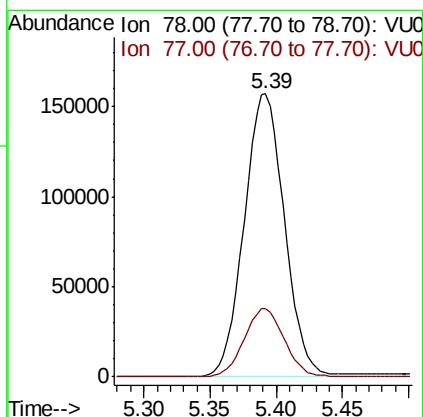
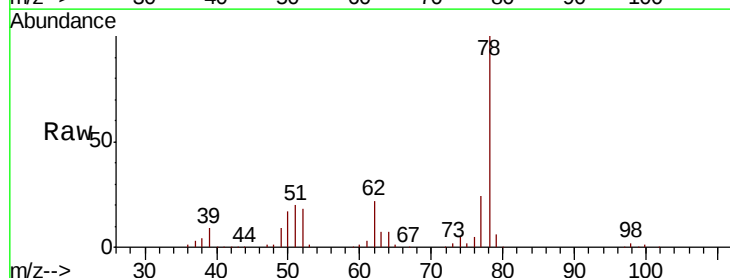
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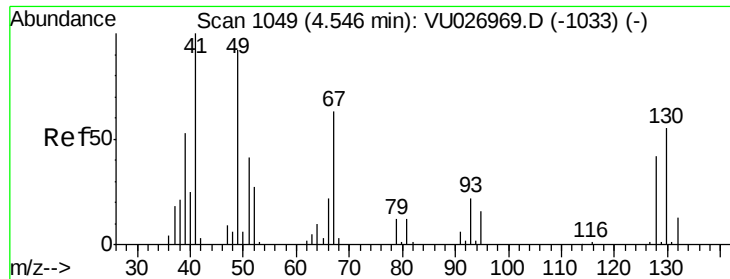
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#40
Benzene
Concen: 48.458 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	19.4	29.0	





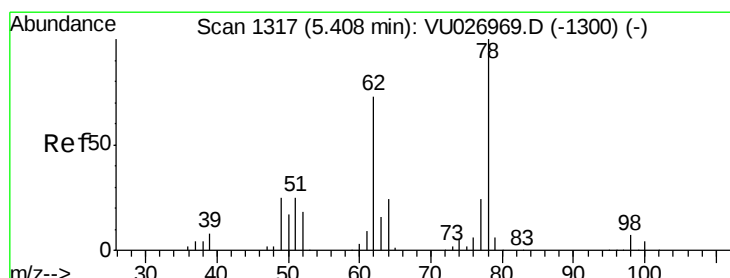
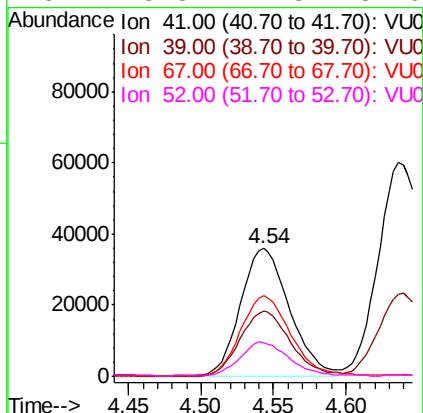
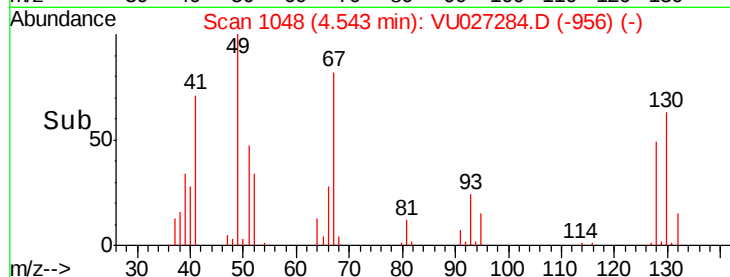
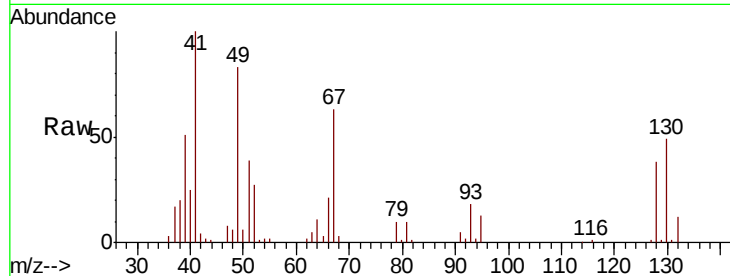
#41
Methacrylonitrile
Concen: 53.468 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	42.9	64.3	
67	64.0	52.4	78.6	
52	25.8	21.3	31.9	

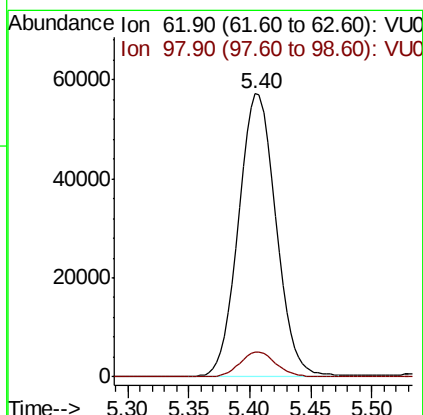
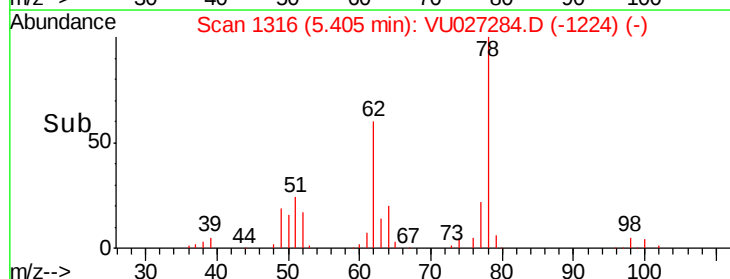
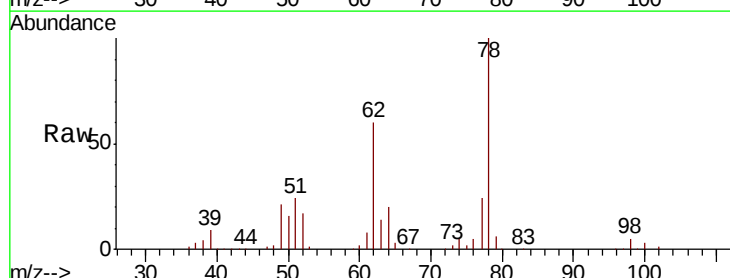
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 46.894 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.0	





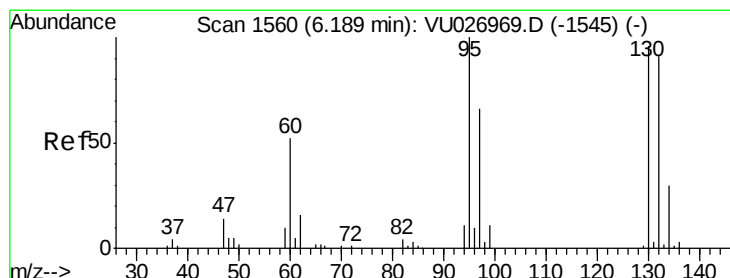
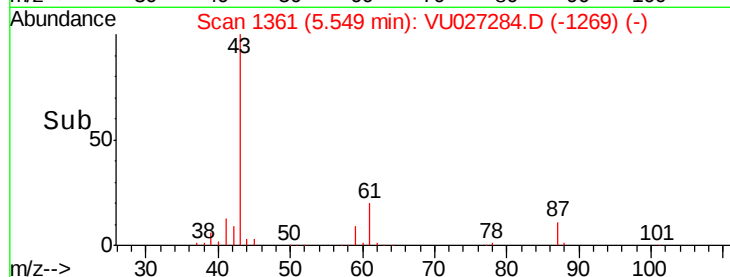
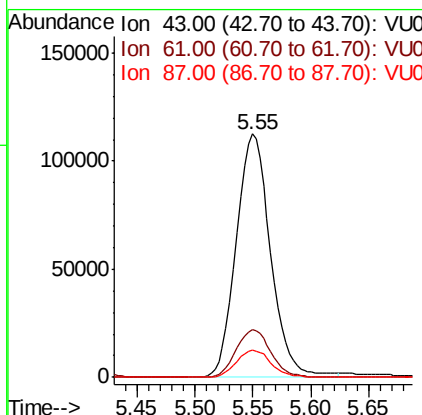
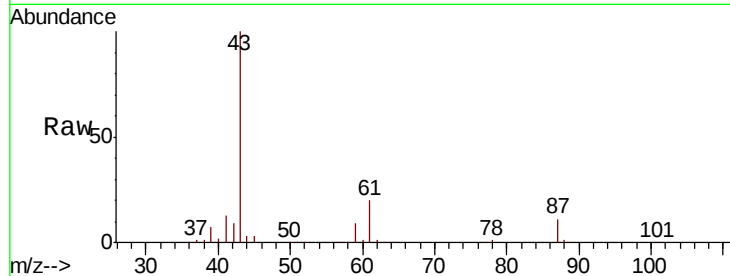
#43
Isopropyl Acetate
Concen: 51.734 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.7	23.5
87	11.4	9.0	13.4

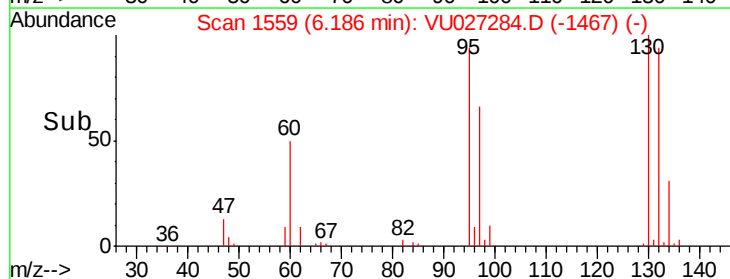
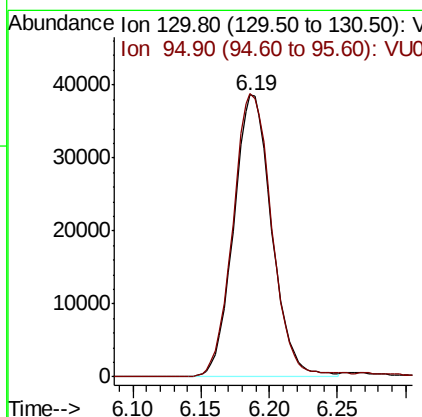
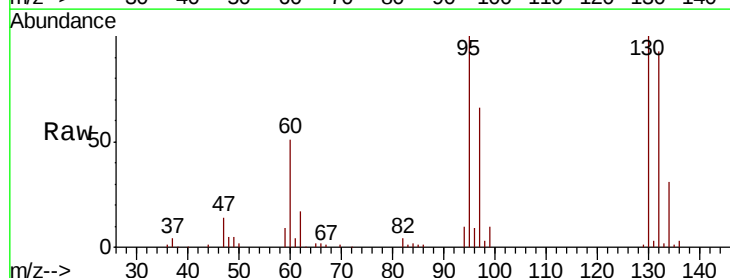
Manual Integrations
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#44
Trichloroethene
Concen: 51.204 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	208.8





#45

1,2-Dichloropropane

Concen: 48.214 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 94300

Ion Ratio Lower Upper

63 100

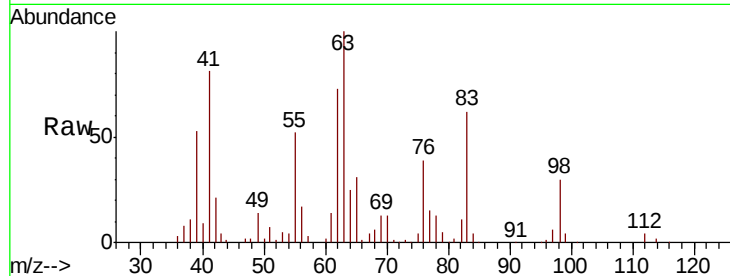
65 31.1 24.3 36.5

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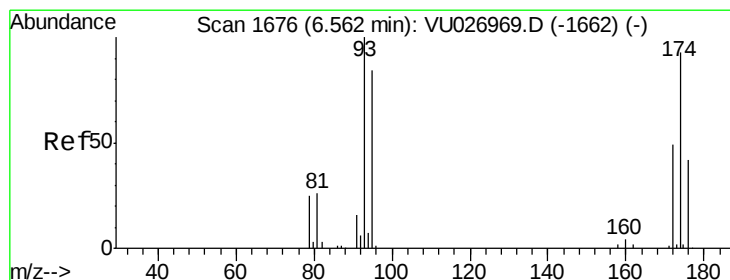
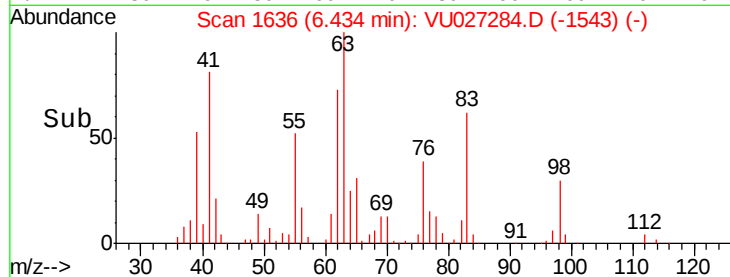
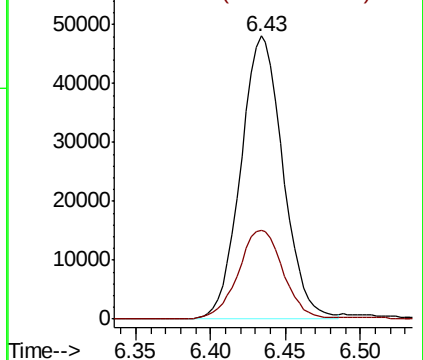
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 47.937 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

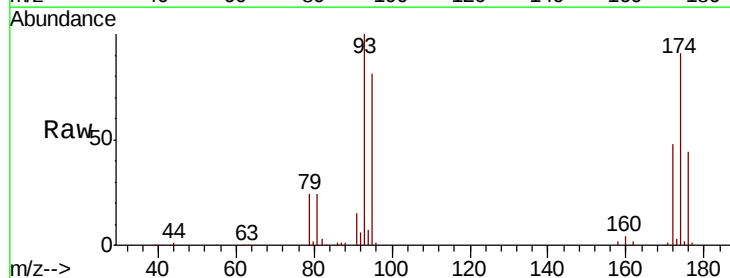
Tgt Ion: 93 Resp: 56625

Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.4

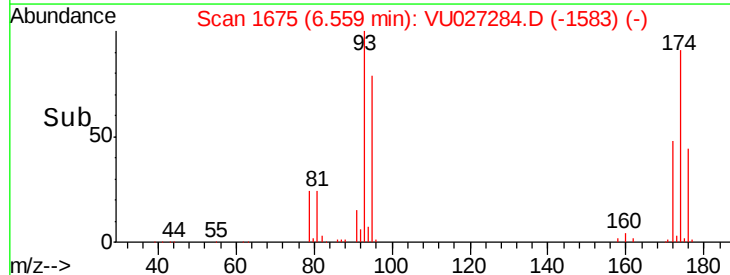
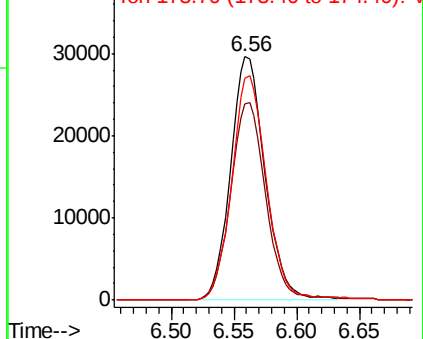
174 93.3 71.7 107.5

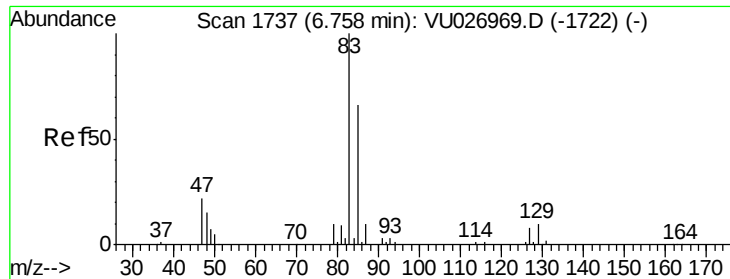


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





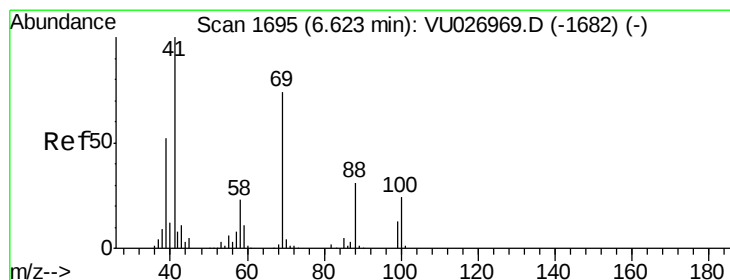
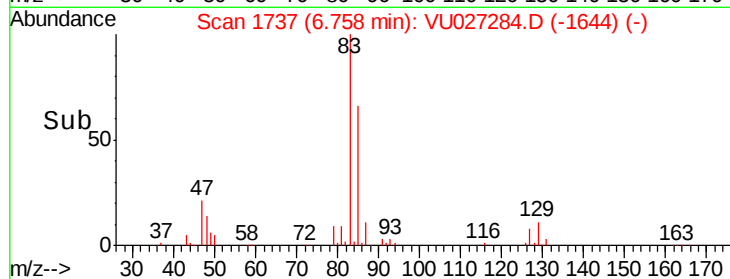
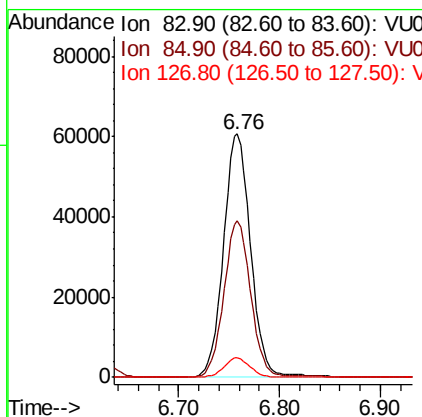
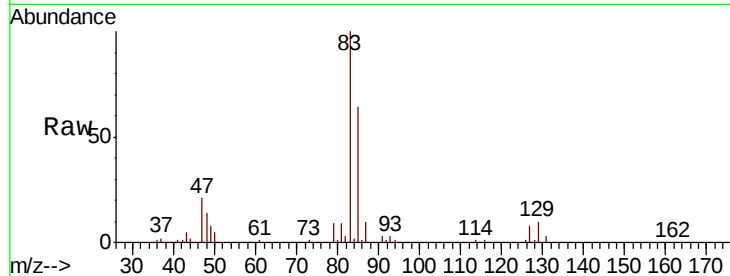
#47
Bromodichloromethane
Concen: 47.766 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	114091
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.5	78.7
127	8.2	6.3	9.5

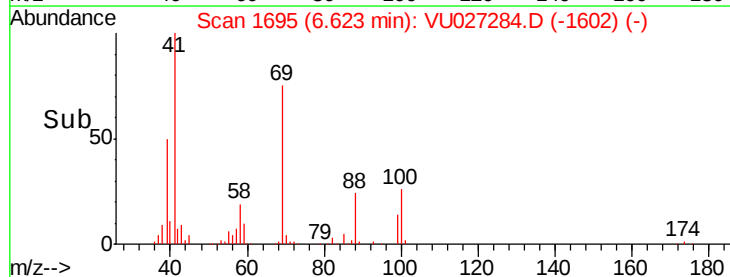
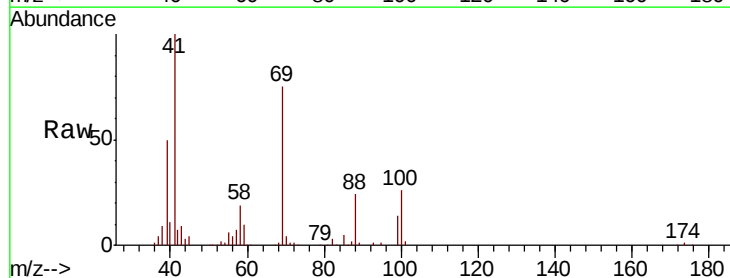
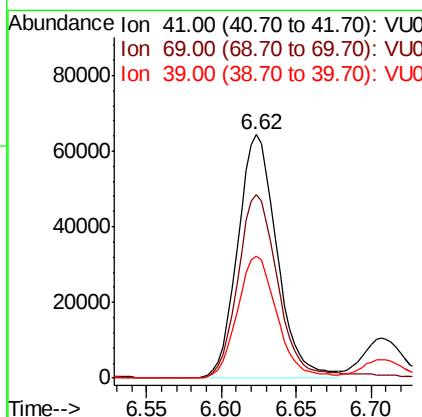
Manual Integrations
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#48
Methyl methacrylate
Concen: 48.518 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	41	Resp	117647
Ion Ratio	100	Lower	Upper
41	100		
69	78.6	60.6	90.8
39	50.4	42.8	64.2





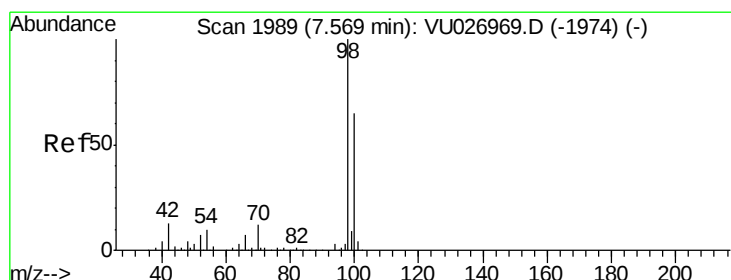
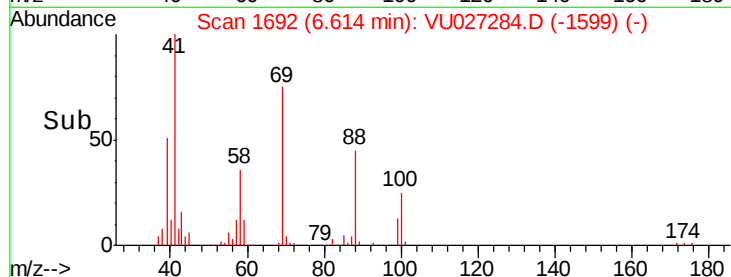
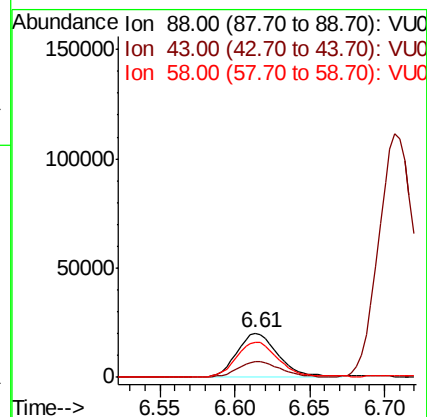
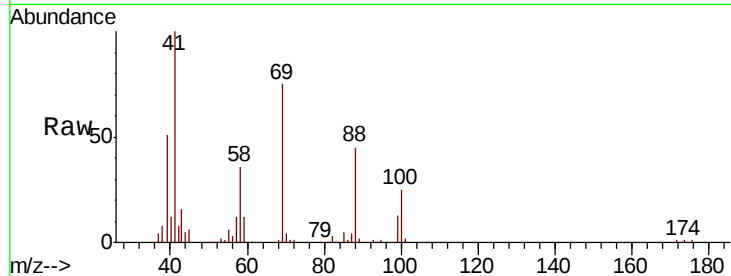
#49
1,4-Dioxane
Concen: 818.781 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	29.8	44.8
58	81.2	63.9	95.9

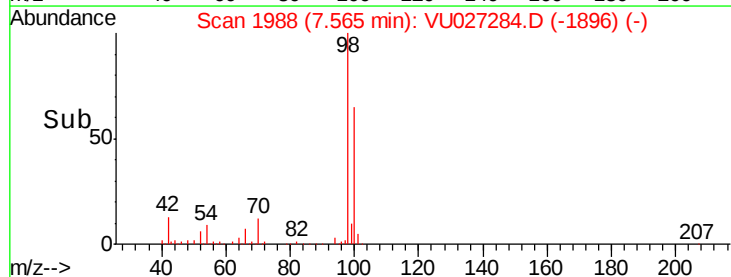
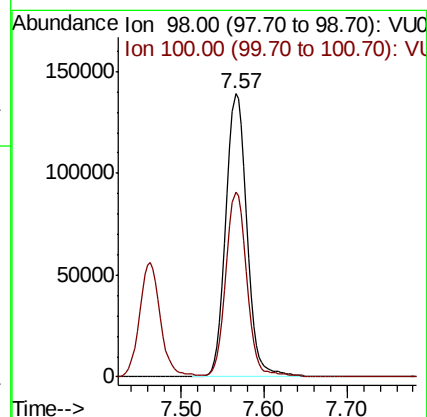
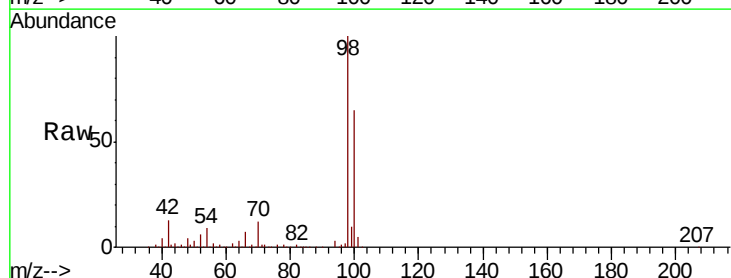
Manual Integrations
APPROVED

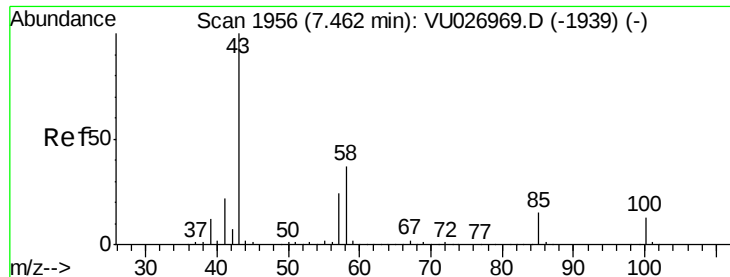
MMDadoda
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#50
Toluene-d8
Concen: 44.007 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 256.427 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 768819

Ion Ratio Lower Upper

43 100

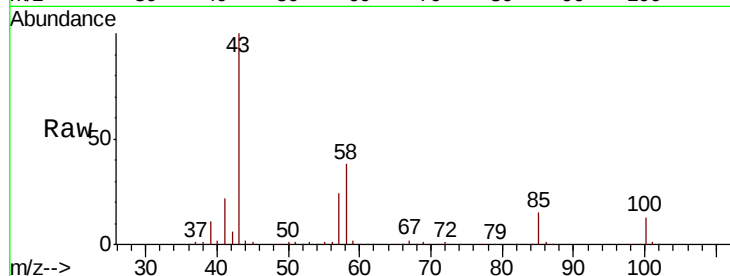
58 38.0 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027284.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU027284.D (-1939) (-)

7.46

400000

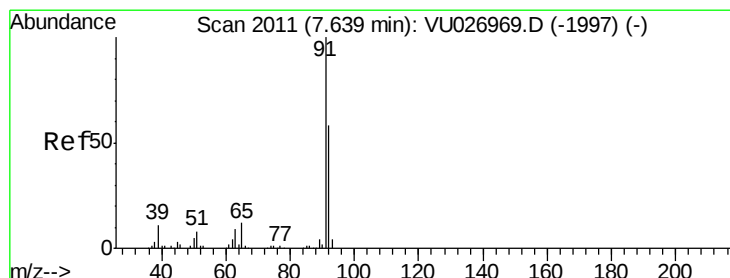
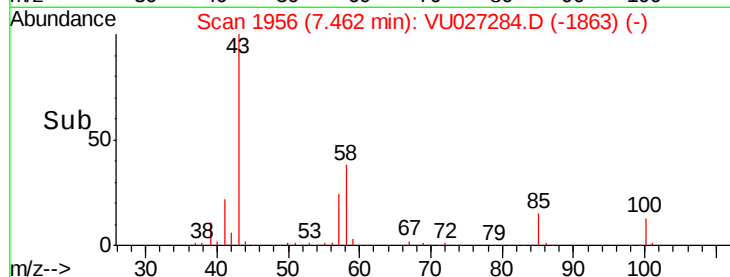
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.298 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027284.D

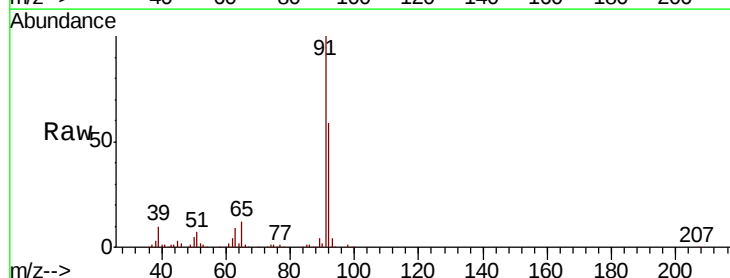
Acq: 28 Sep 2018 20:31

Tgt Ion: 92 Resp: 205774

Ion Ratio Lower Upper

92 100

91 170.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU027284.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027284.D (-1918) (-)

7.64

200000

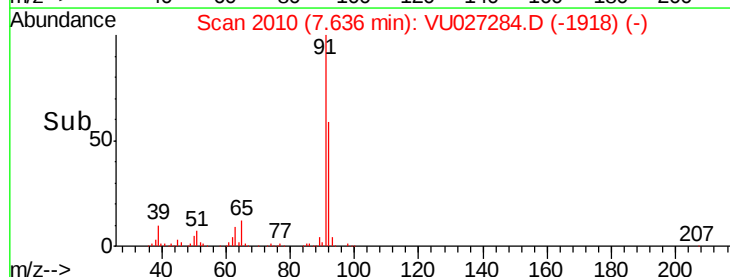
150000

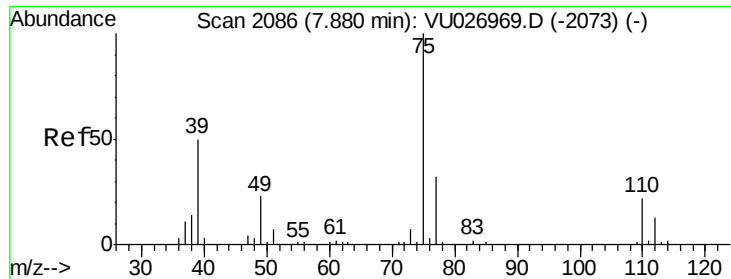
100000

50000

0

Time-->





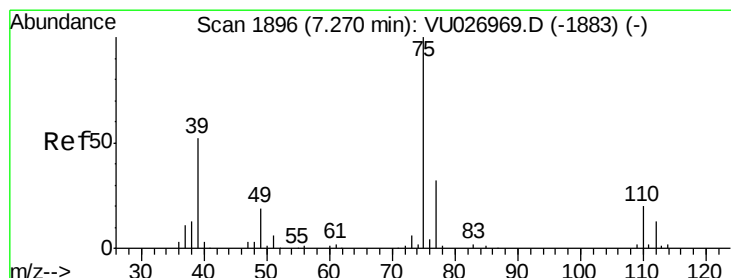
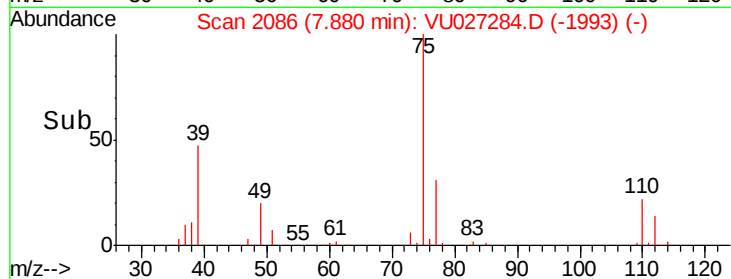
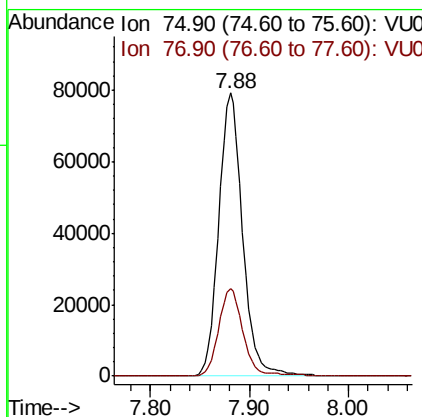
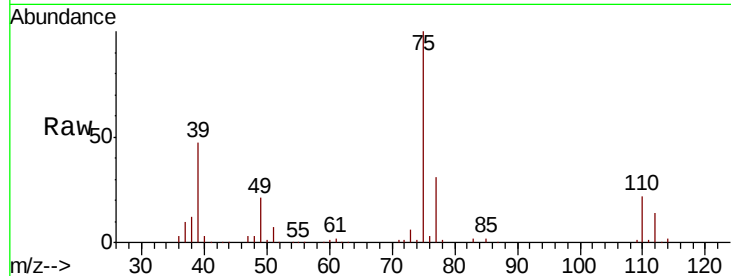
#53
t-1,3-Dichloropropene
Concen: 52.542 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	75	Resp	134838
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.3	37.9

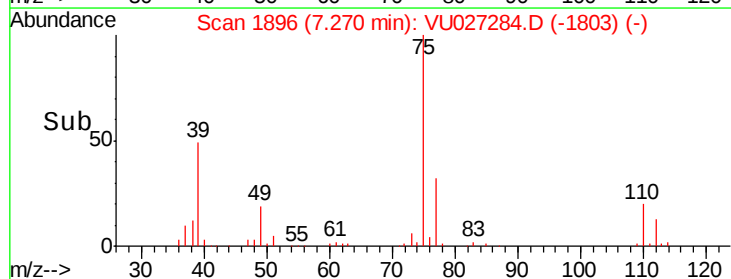
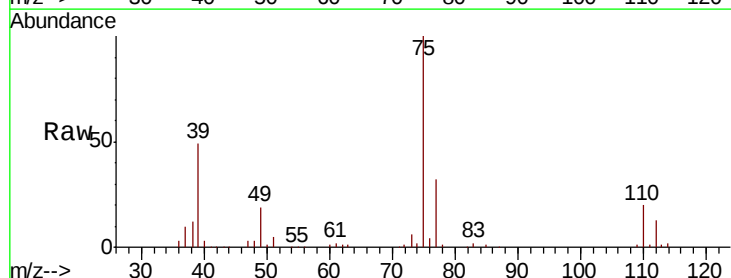
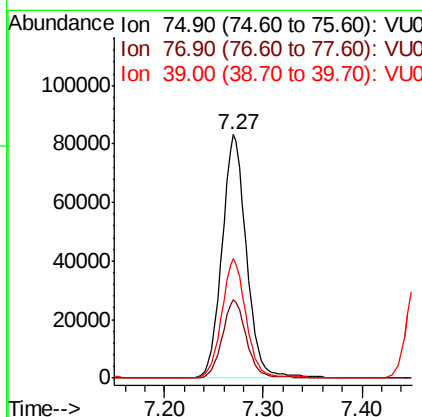
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 51.353 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	75	Resp	144902
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.4	38.0
39	48.8	41.6	62.4





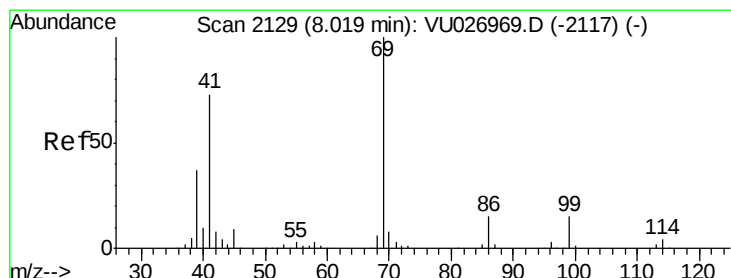
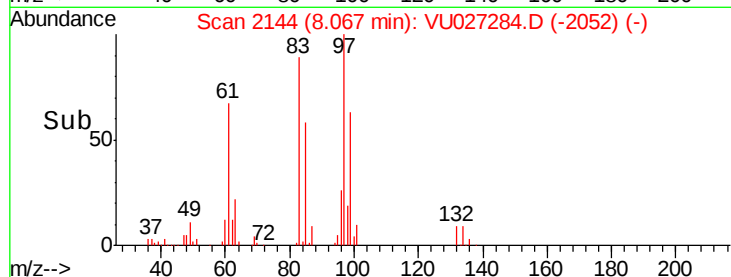
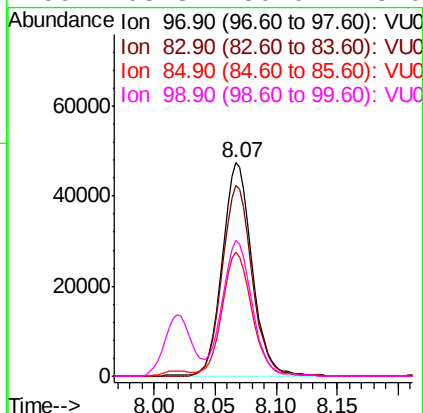
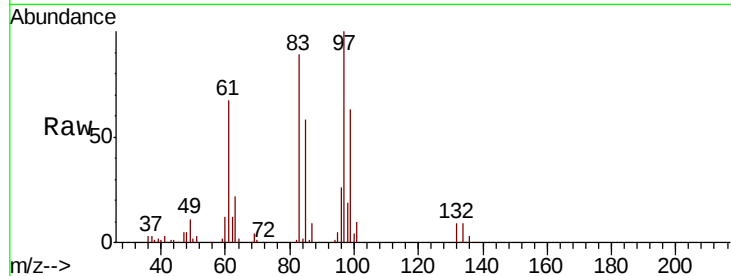
#55
 1,1,2-Trichloroethane
 Concen: 48.751 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	81277
Ion	Ratio	Lower	Upper
97	100		
83	89.0	73.1	109.7
85	57.8	46.7	70.1
99	63.3	50.0	75.0

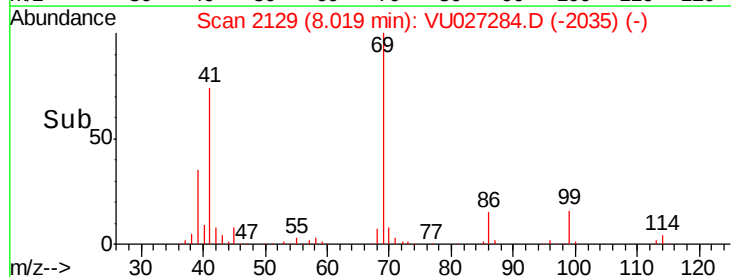
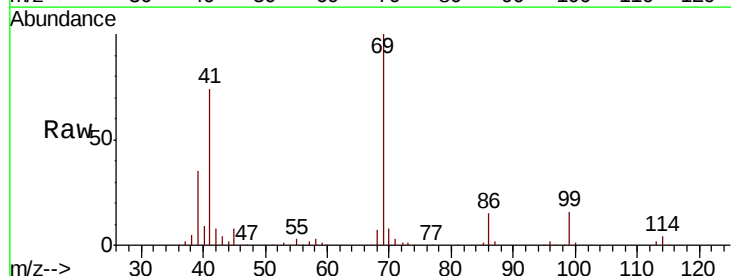
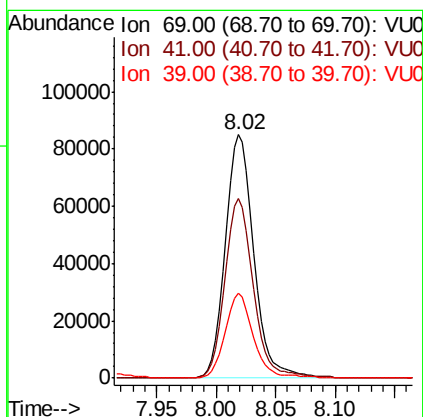
Manual Integrations
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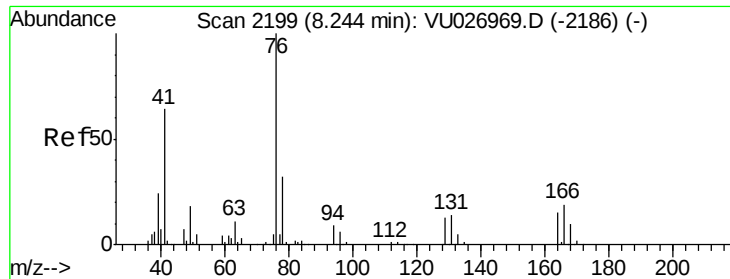
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#56
 Ethyl methacrylate
 Concen: 48.965 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion:	69	Resp:	141505
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.0	88.4
39	34.0	30.2	45.4





#57

1,3-Dichloropropane

Concen: 49.936 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 154844

Ion Ratio Lower Upper

76 100

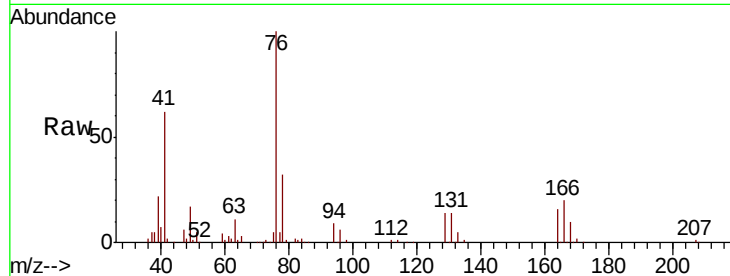
78 32.0 25.5 38.3

Manual Integrations

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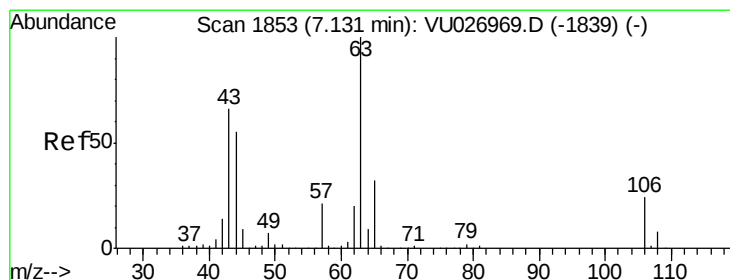
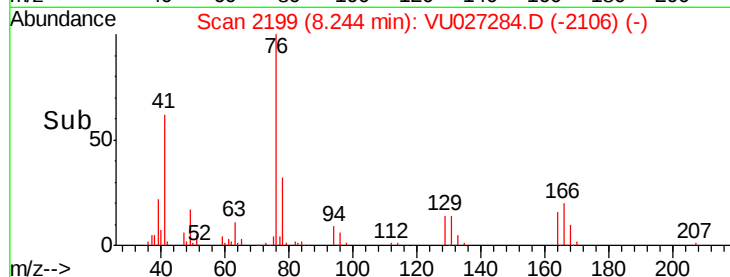
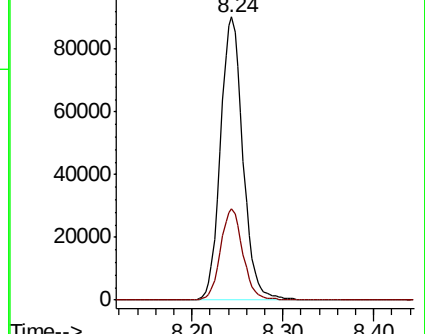
MMDadoda

10/2/2018 1:08:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-2186) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-2186) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 220.042 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027284.D

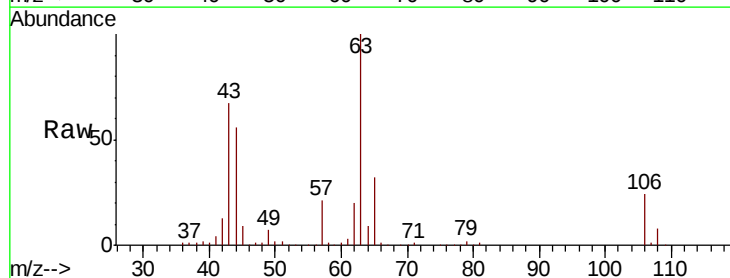
Acq: 28 Sep 2018 20:31

Tgt Ion: 63 Resp: 360267

Ion Ratio Lower Upper

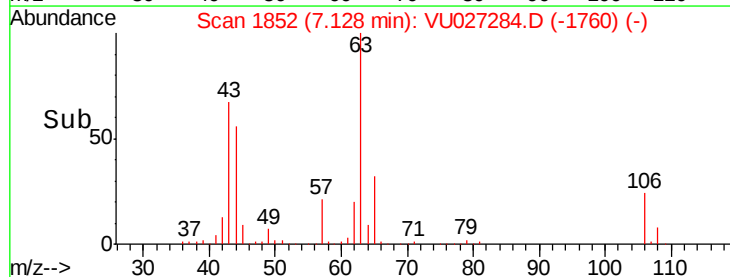
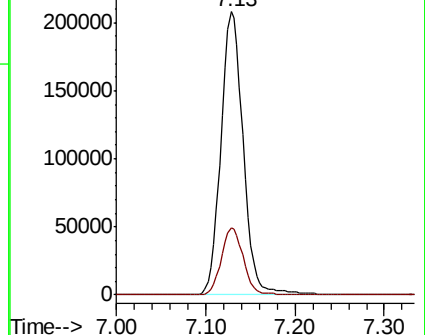
63 100

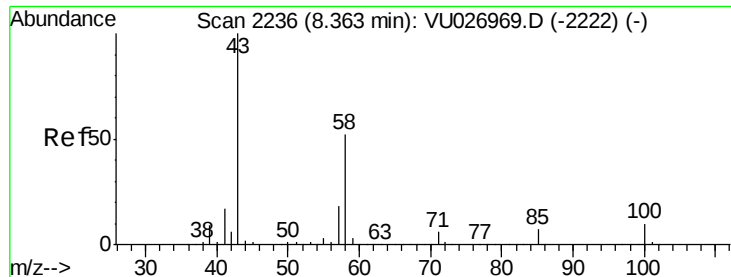
106 23.3 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1839) (-)

Ion 105.90 (105.60 to 106.60): VU026969.D (-1839) (-)





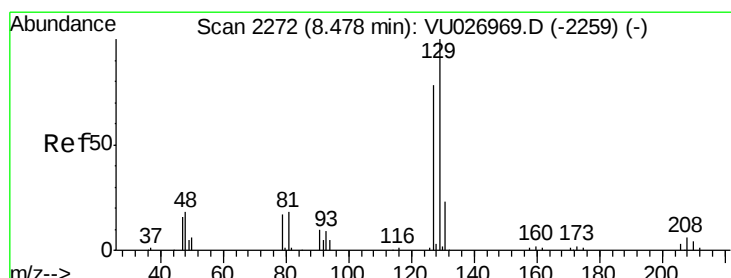
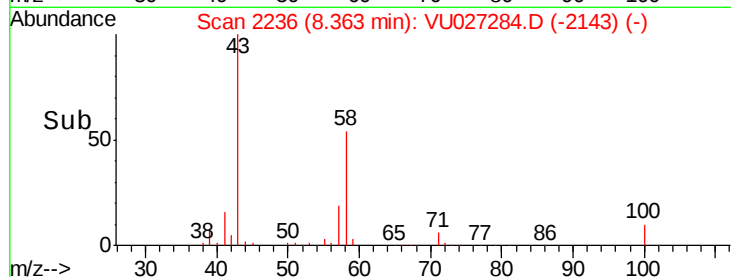
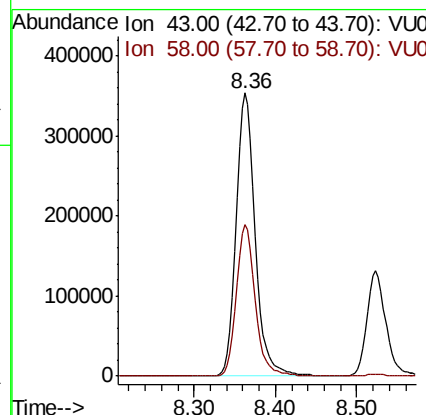
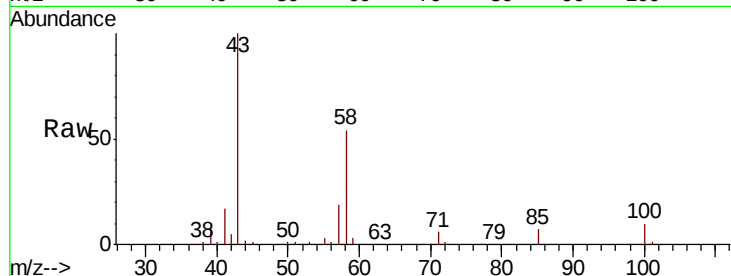
#59
2-Hexanone
Concen: 248.305 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.1	78.2

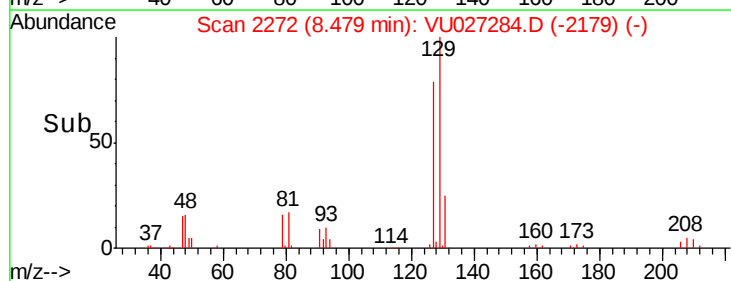
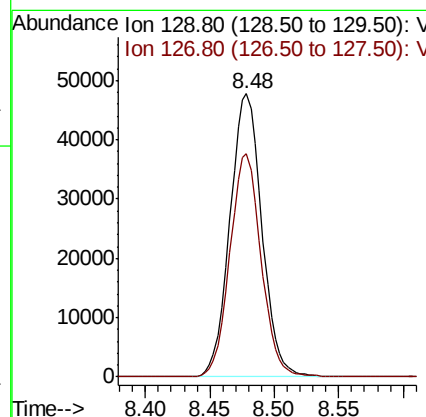
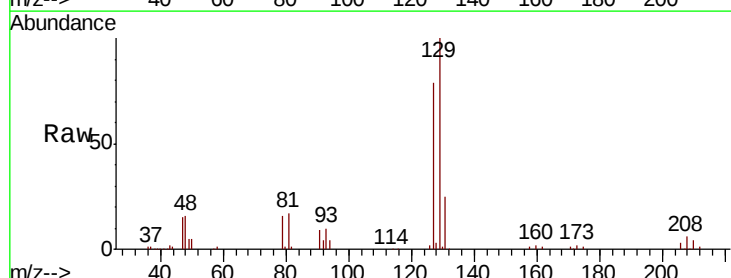
Manual Integrations
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#60
Dibromochloromethane
Concen: 50.159 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.1	114.5





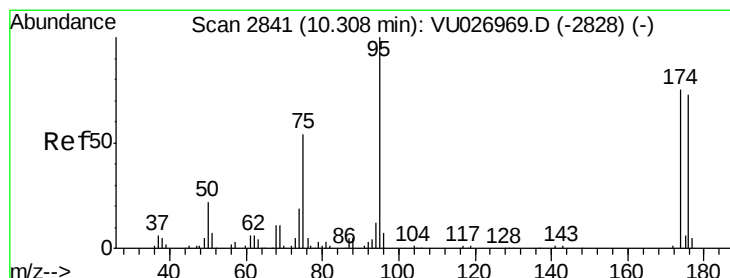
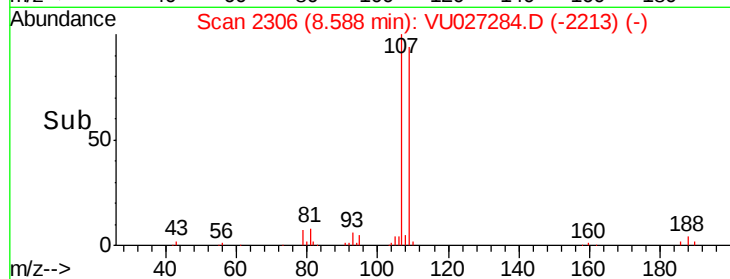
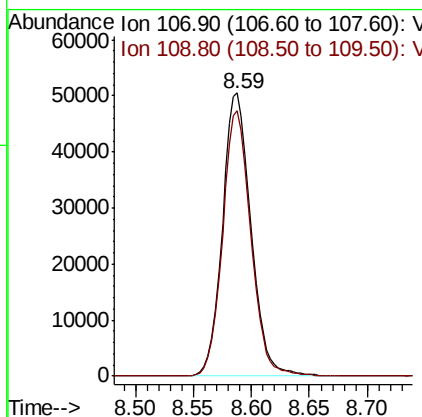
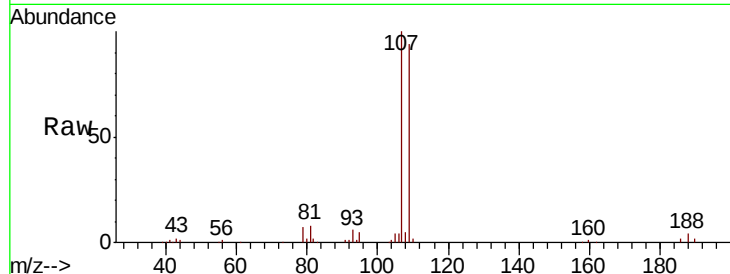
#61
 1,2-Dibromoethane
 Concen: 49.731 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.0	112.6

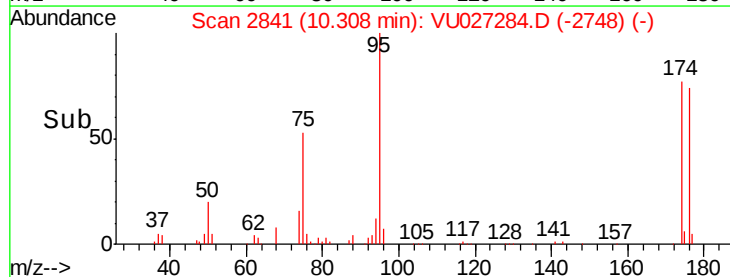
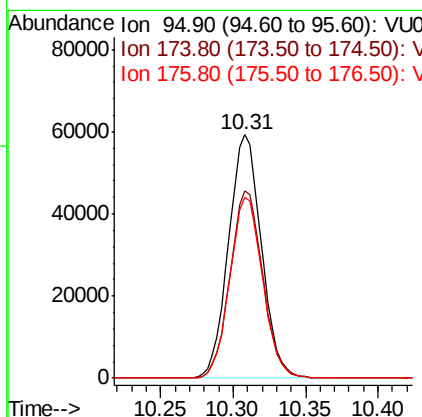
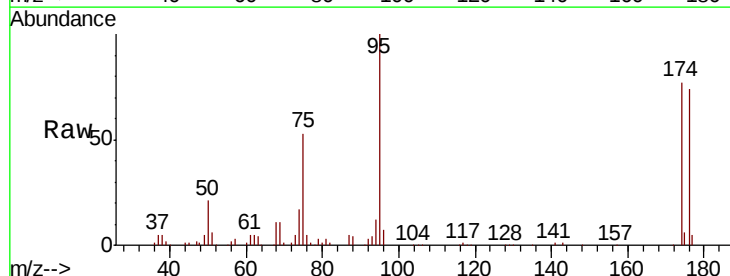
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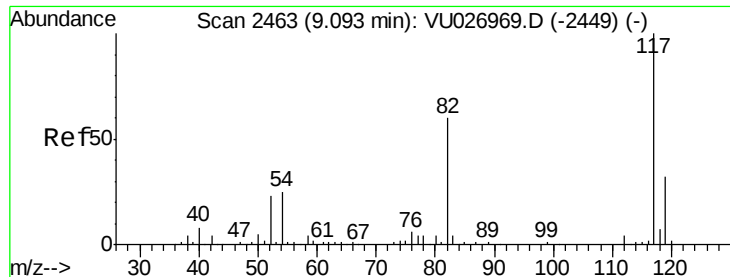
MMDadoda
 10/2/2018 1:08:16 PM



#62
 4-Bromofluorobenzene
 Concen: 48.531 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.2
176	74.5	0.0	145.2





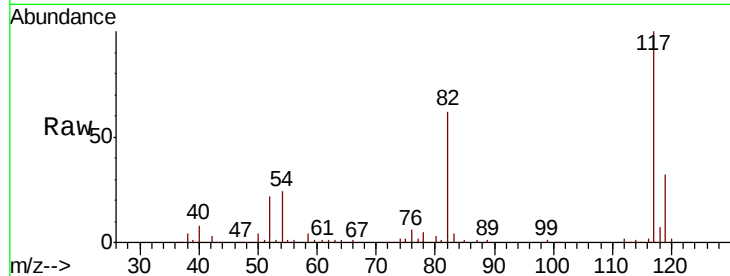
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.0	72.0
119	31.6	25.8	38.8

Manual Integrations
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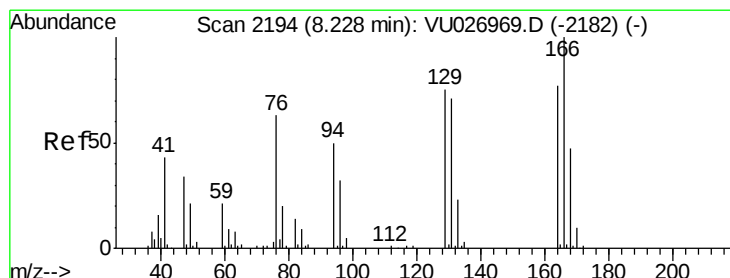
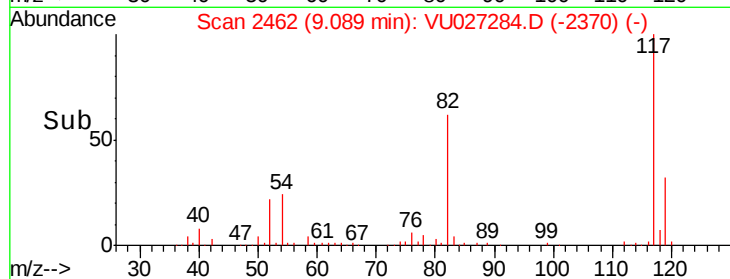
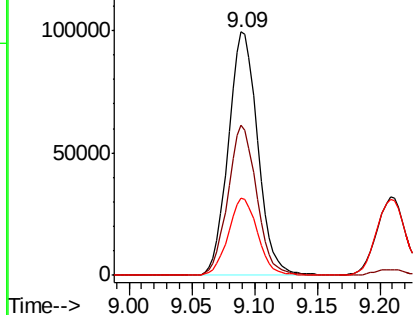


Abundance

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: 51.252 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	104.4	156.6
129	96.7	78.7	118.1
131	90.9	73.9	110.9

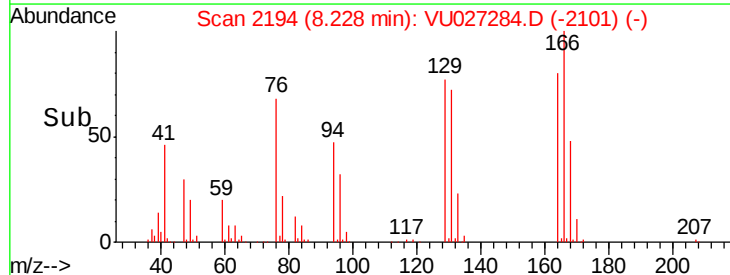
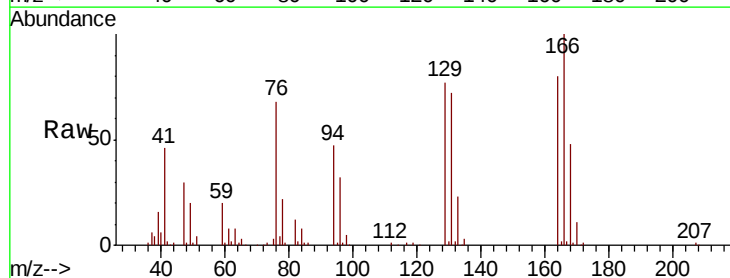
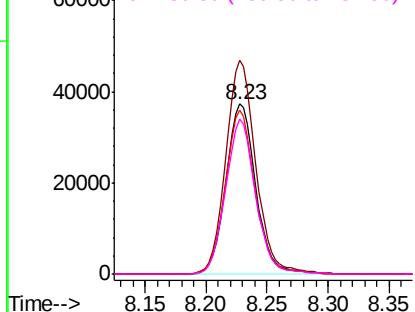
Abundance

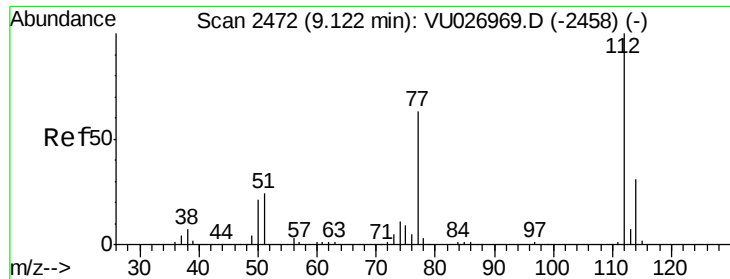
Ion 163.80 (163.50 to 164.50): V

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





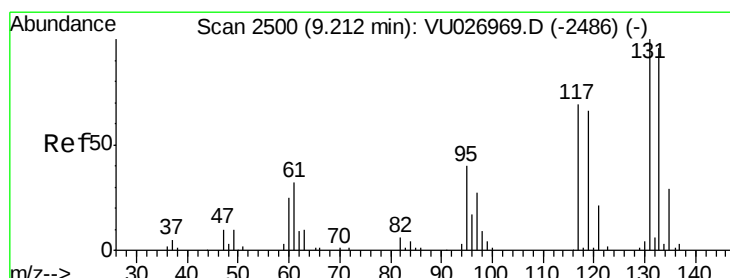
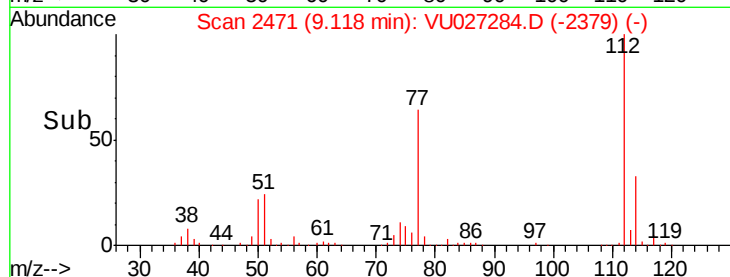
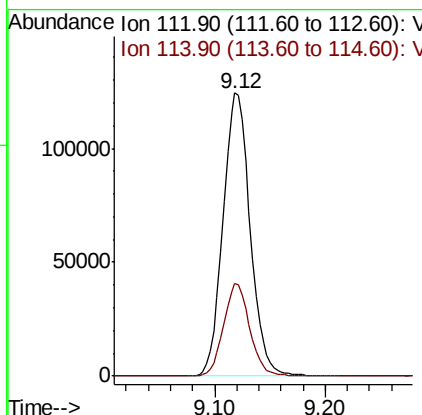
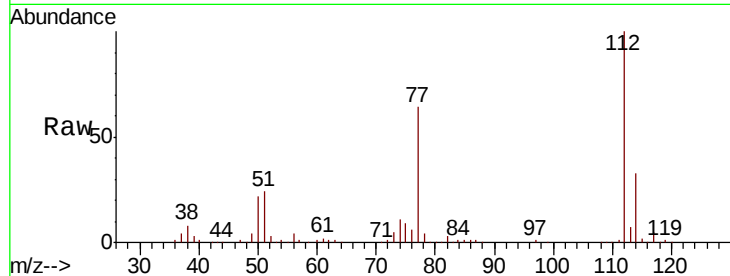
#65
Chlorobenzene
Concen: 49.266 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 212409
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6

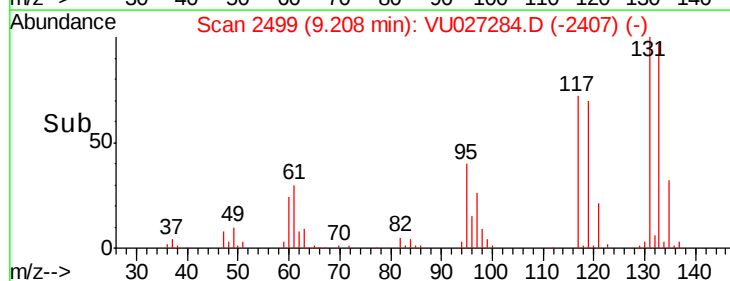
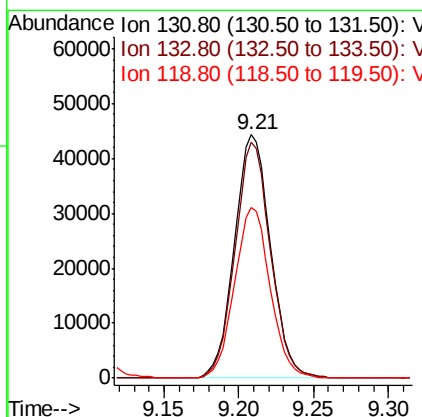
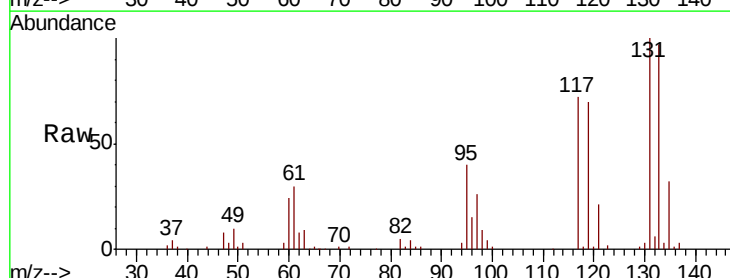
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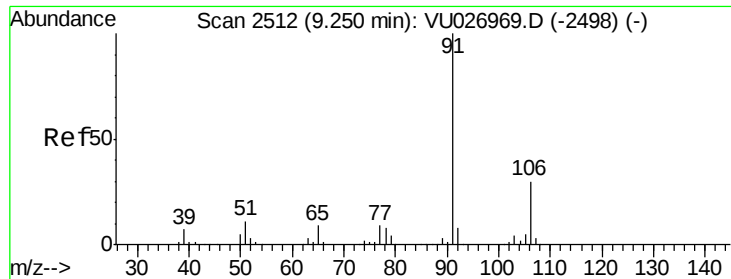
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.259 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion:131 Resp: 74635
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.2
119 69.3 33.4 100.1





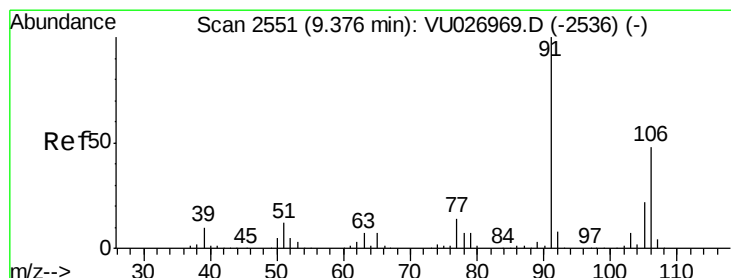
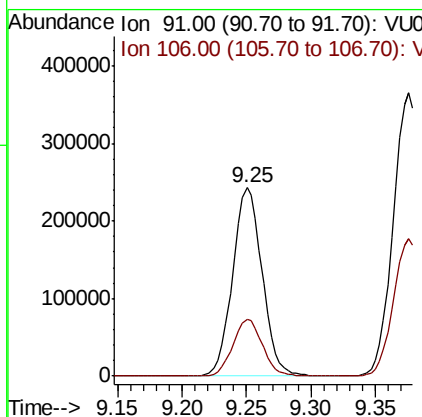
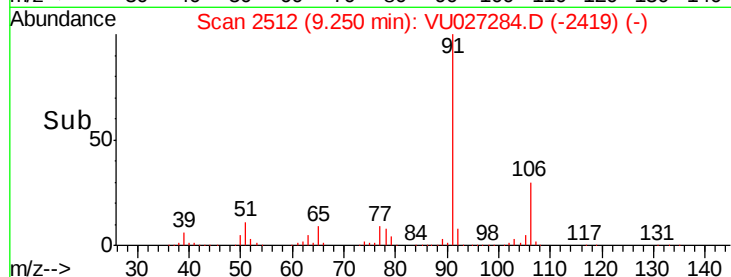
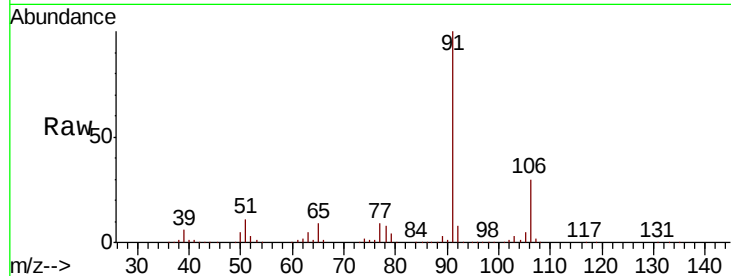
#67
Ethyl Benzene
Concen: 54.541 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 386683
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

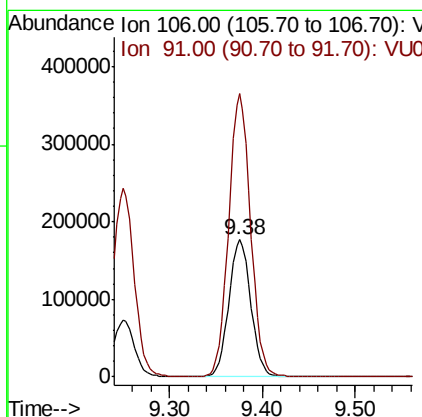
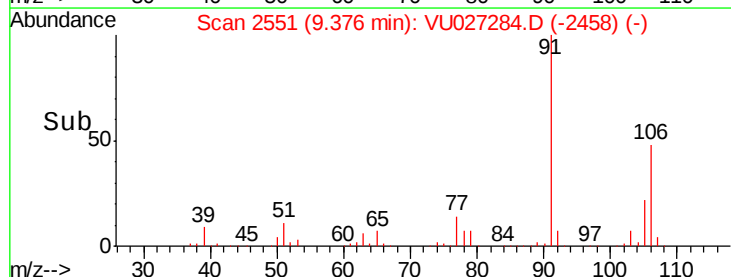
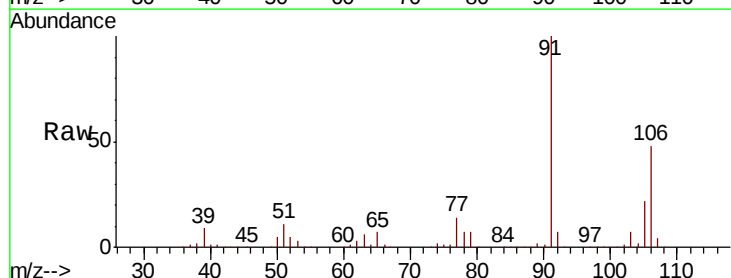
Manual Integrations
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#68
m/p-Xylenes
Concen: 101.384 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion: 106 Resp: 291157
Ion Ratio Lower Upper
106 100
91 204.8 166.5 249.7





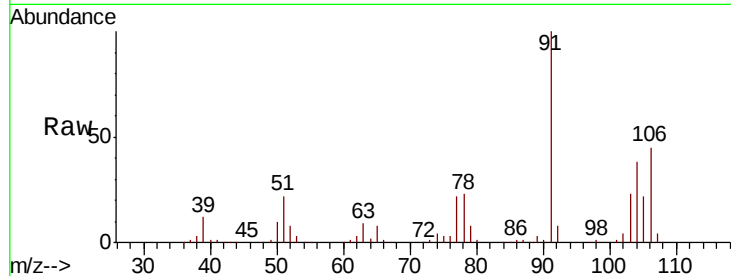
#69
o-Xylene
Concen: 55.625 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

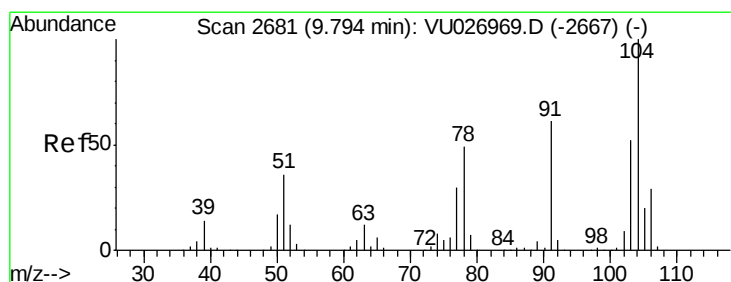
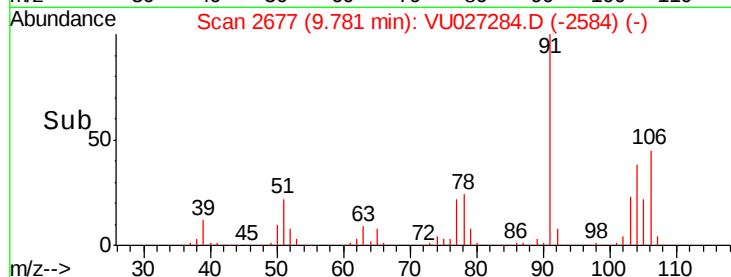
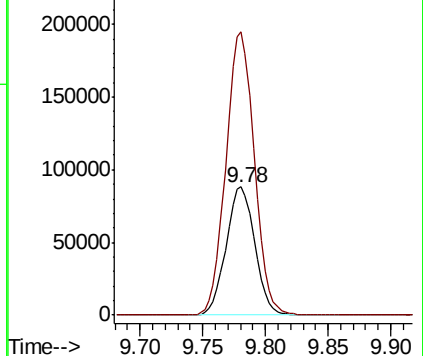
Tot Ion:106 Resp: 139729
Ion Ratio Lower Upper
106 100
91 219.2 110.2 330.6

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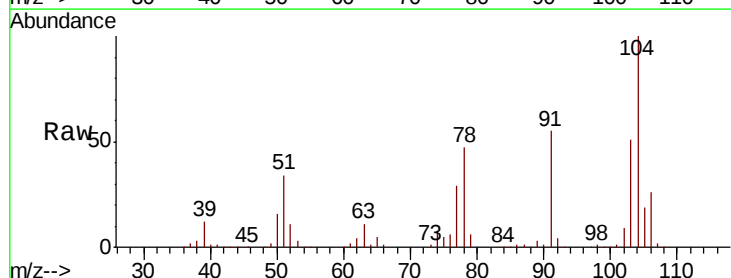


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

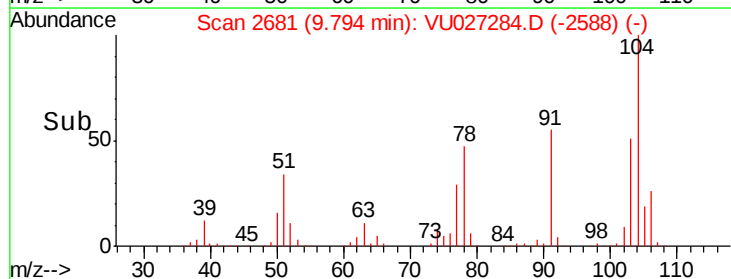
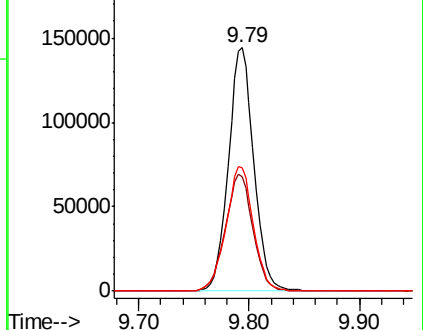


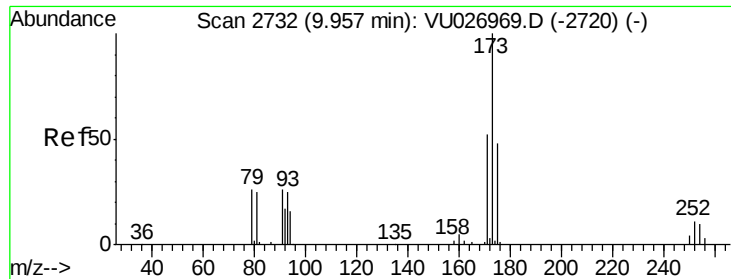
#70
Styrene
Concen: 49.089 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion:104 Resp: 230079
Ion Ratio Lower Upper
104 100
78 52.3 43.0 64.4
103 54.9 44.1 66.1



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





#71

Bromoform

Concen: 52.700 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 60519

Ion Ratio Lower Upper

173 100

175 49.9 23.9 71.8

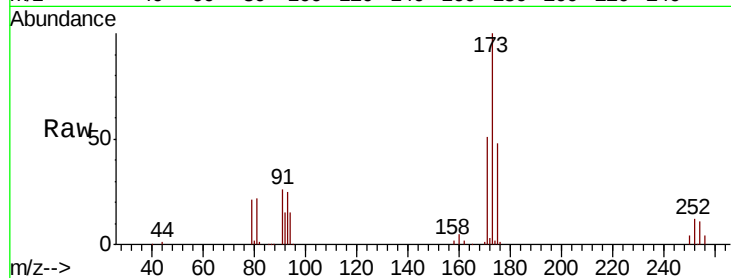
254 0.0 0.0 0.0

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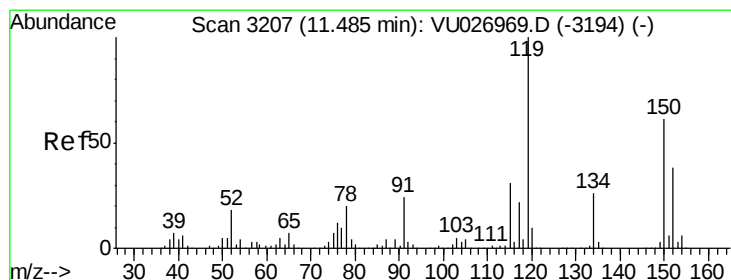
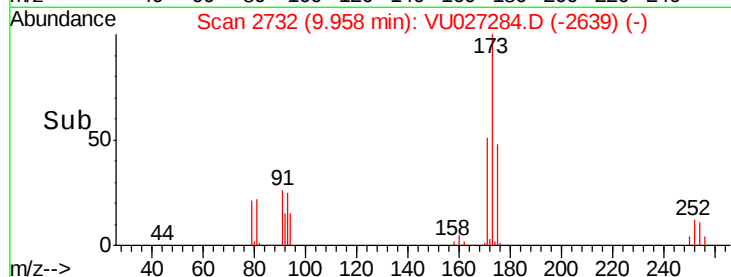
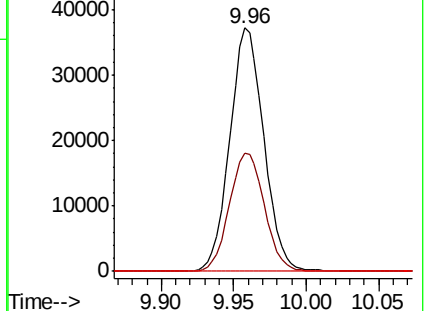
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

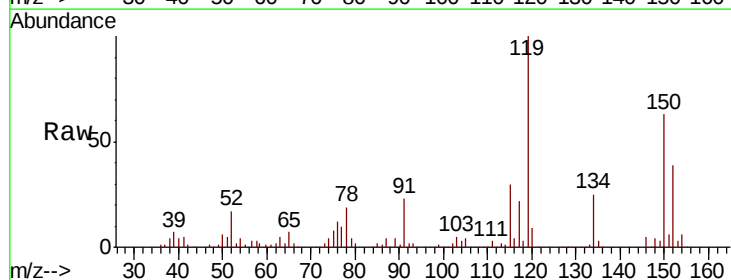
Tgt Ion:152 Resp: 88625

Ion Ratio Lower Upper

152 100

115 86.8 44.9 134.5

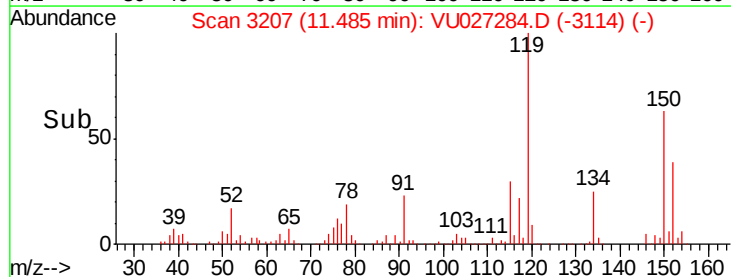
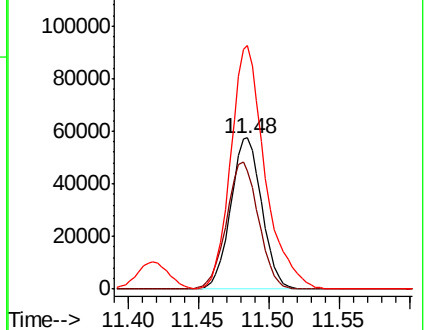
150 177.5 0.0 355.8

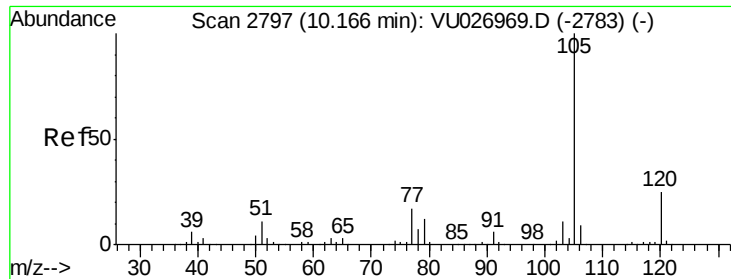


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.412 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 373567

Ion Ratio Lower Upper

105 100

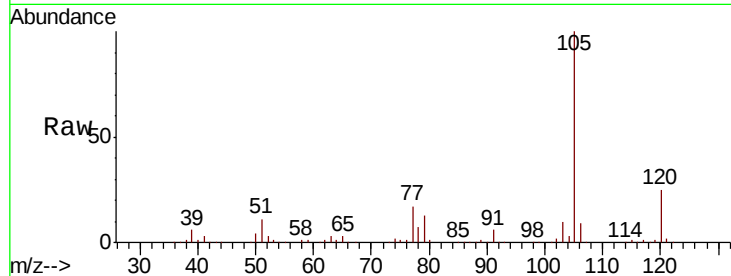
120 25.4 12.8 38.4

Manual Integrations

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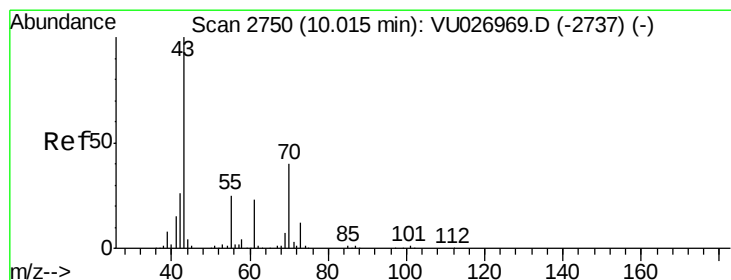
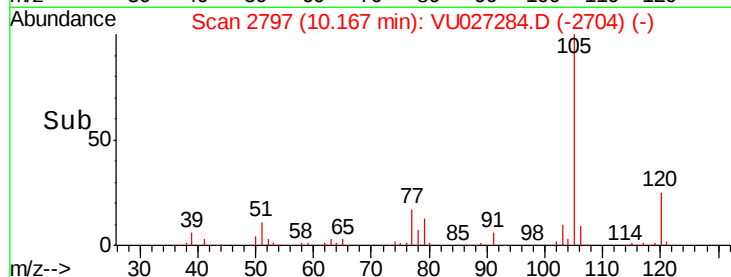
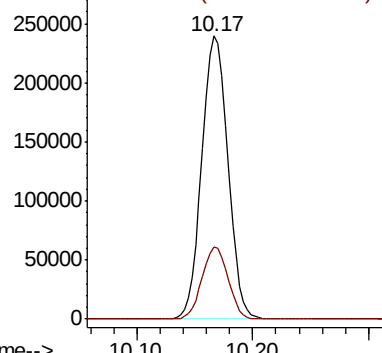
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.942 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion: 43 Resp: 206598

Ion Ratio Lower Upper

43 100

70 40.6 31.8 47.8

55 24.1 19.9 29.9

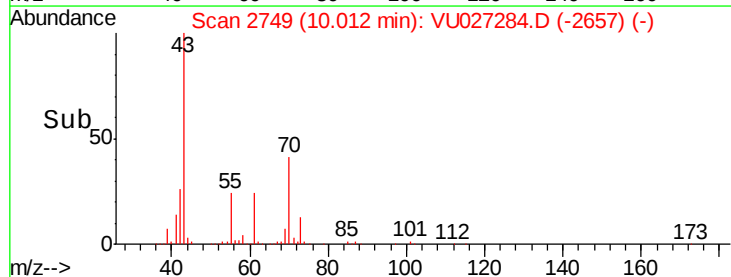
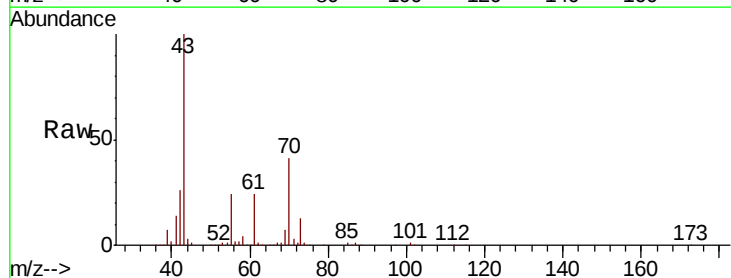
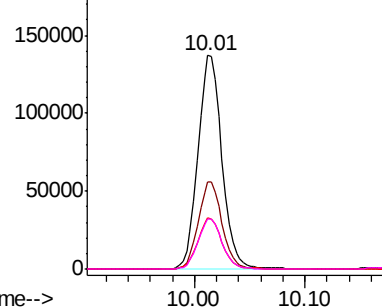
61 23.5 18.4 27.6

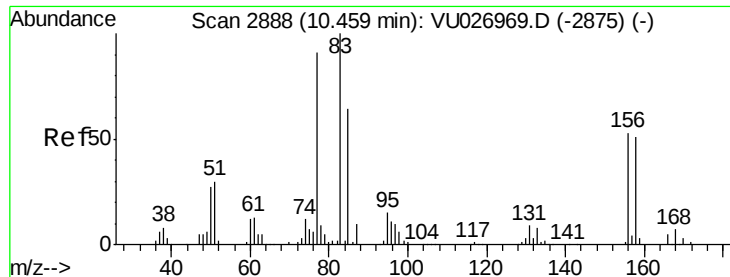
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 45.053 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

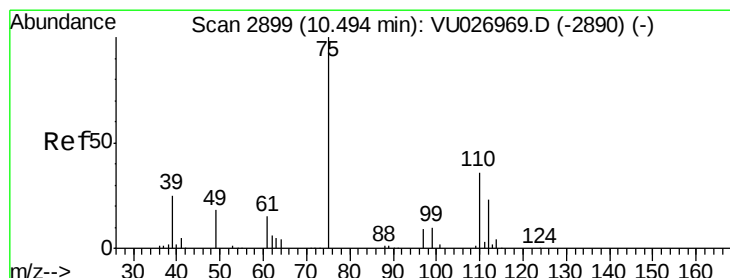
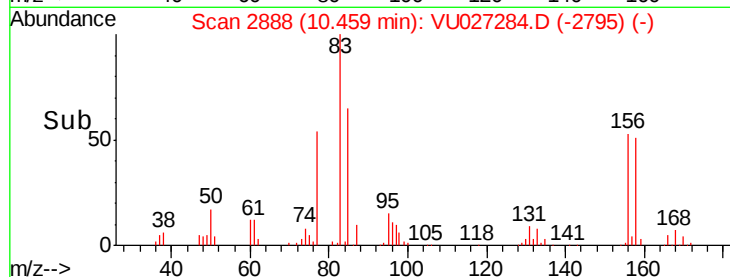
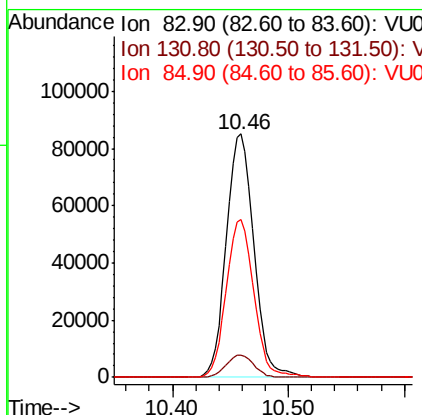
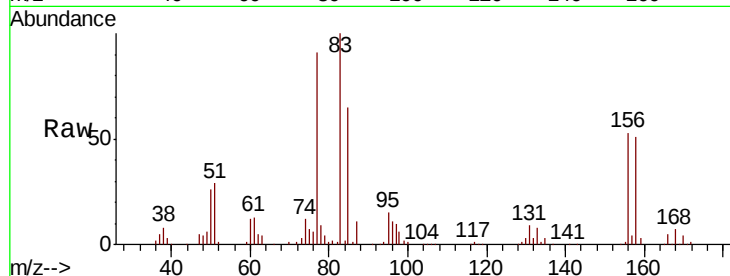
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	139647
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.3	12.8
85	64.9	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.551 ug/l m

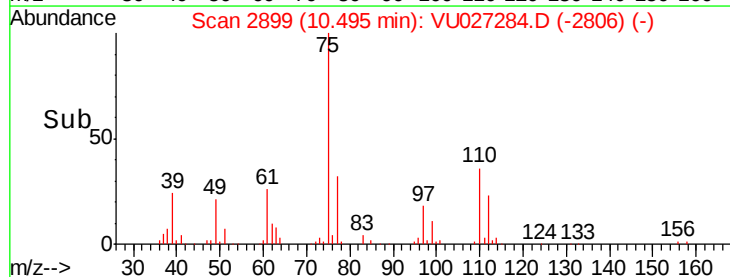
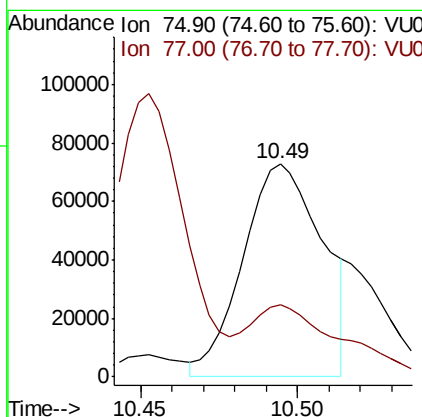
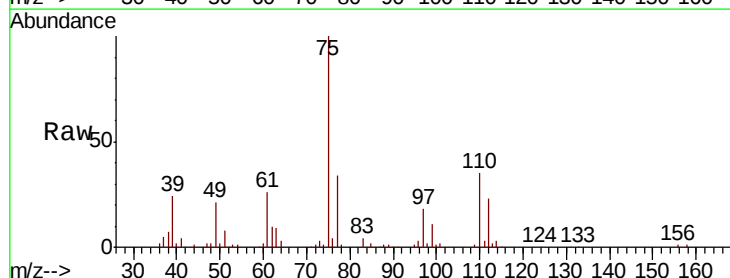
RT: 10.49 min Scan# 2899

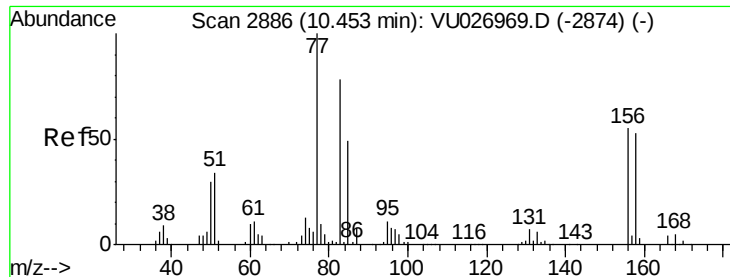
Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion:	75	Resp:	128026
Ion Ratio	Lower	Upper	
75	100		
77	40.3	20.9	62.8





#77

Bromobenzene

Concen: 51.997 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

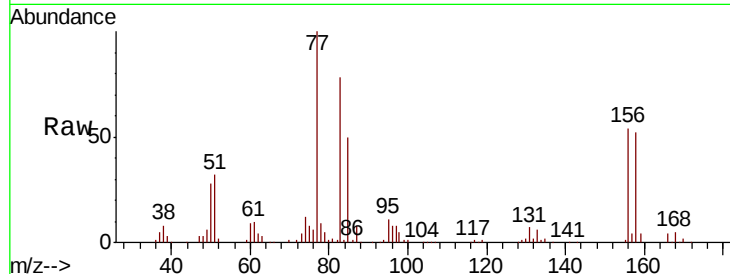
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	85661
Ion Ratio	Lower	Upper	
156	100		
77	183.6	92.3	276.9
158	96.2	48.1	144.3

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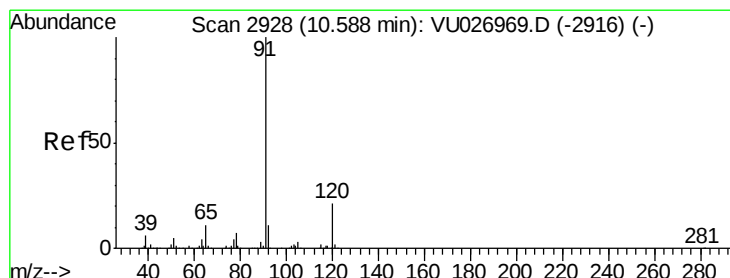
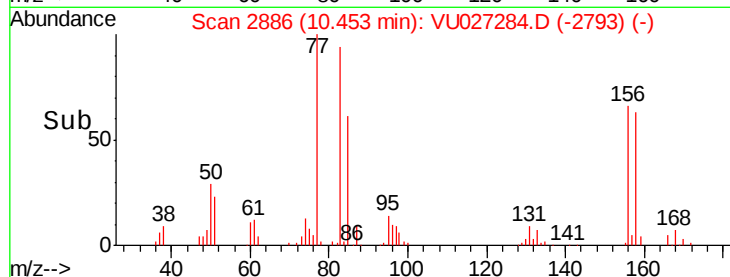
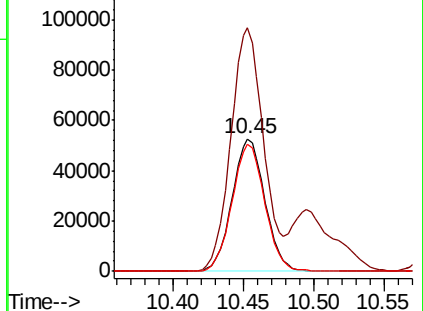
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.141 ug/l

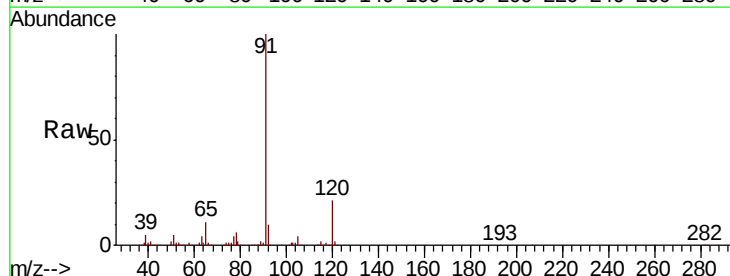
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027284.D

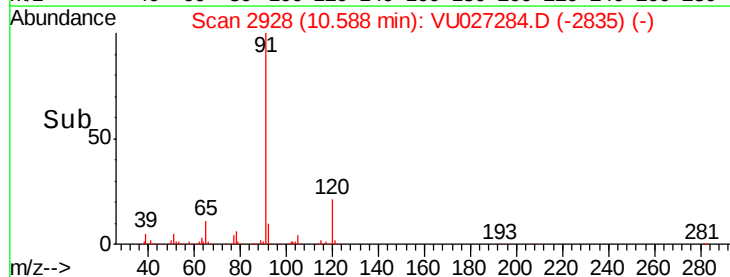
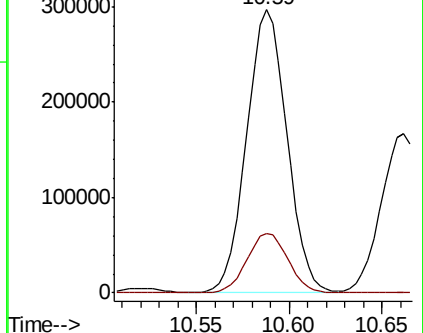
Acq: 28 Sep 2018 20:31

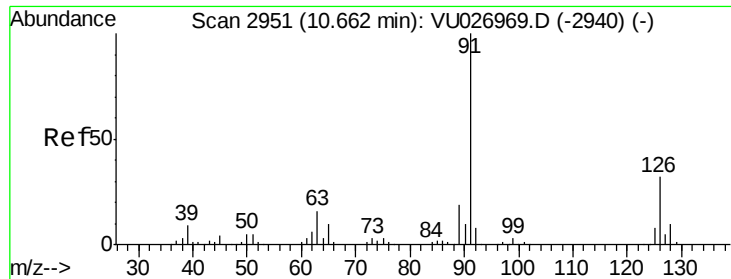
Tgt Ion:	91	Resp:	447827
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





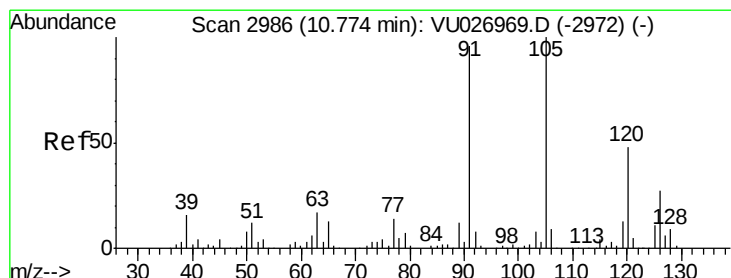
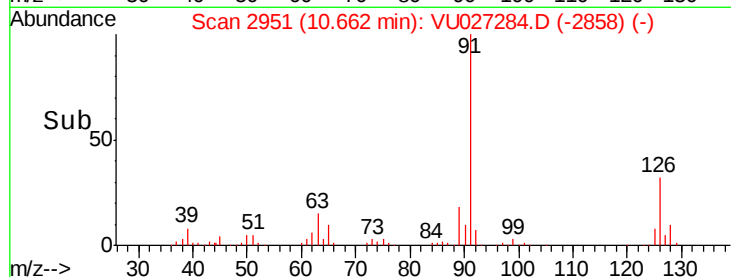
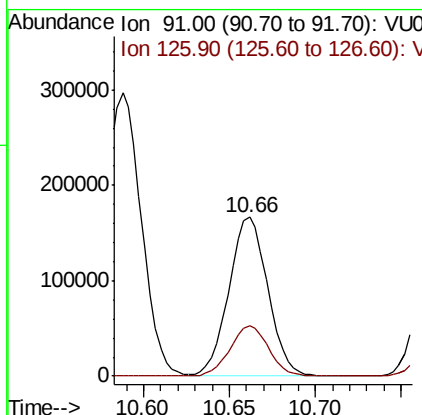
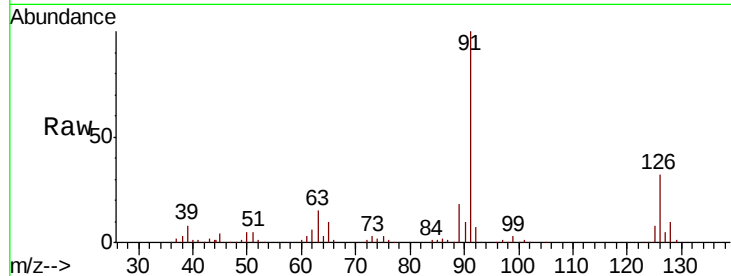
#79
2-Chlorotoluene
Concen: 52.137 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.8	47.3

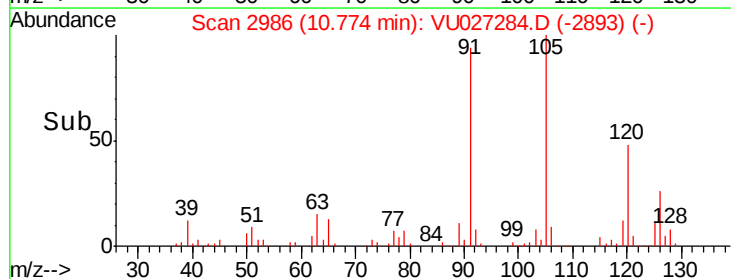
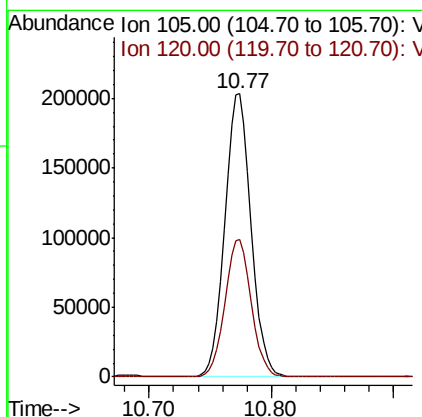
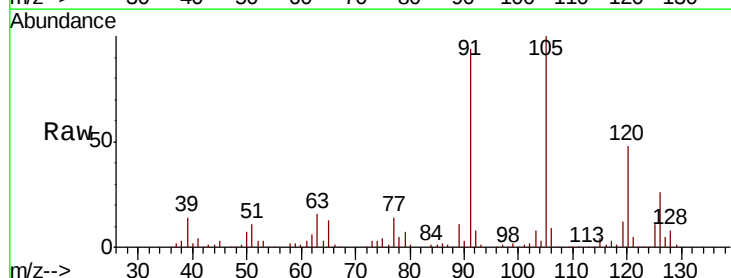
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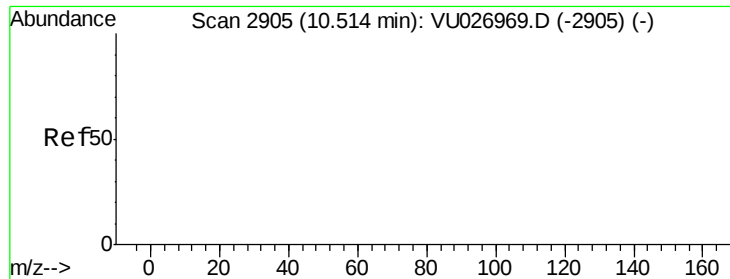
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#80
1,3,5-Trimethylbenzene
Concen: 55.086 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.9	71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 42.360 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

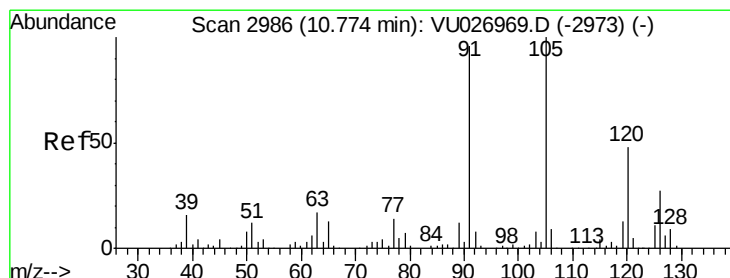
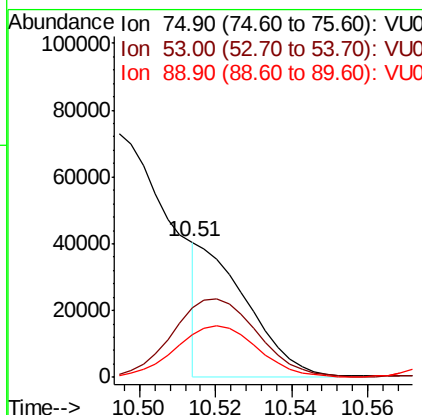
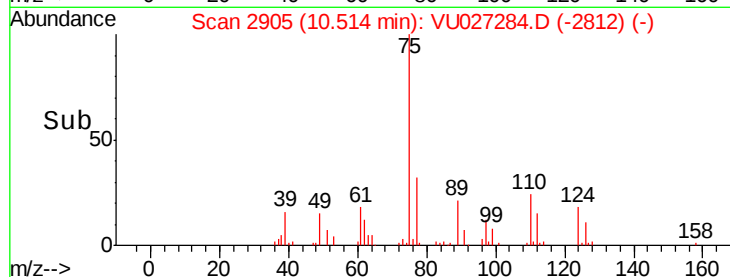
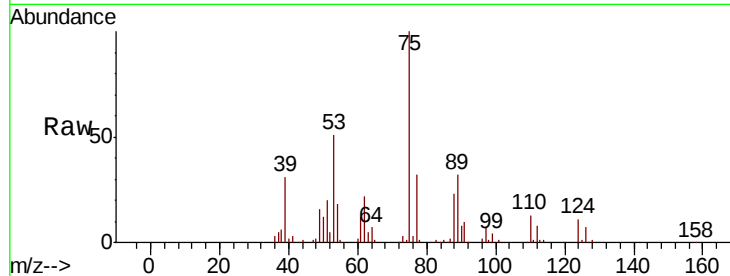
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

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

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#82

4-Chlorotoluene

Concen: 53.315 ug/l

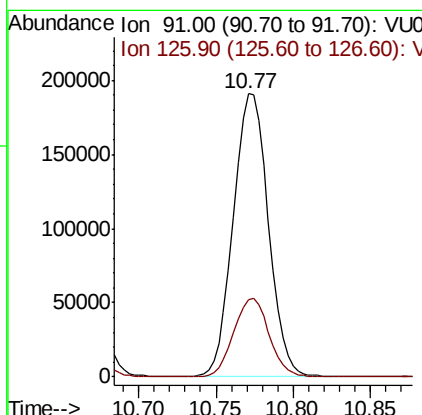
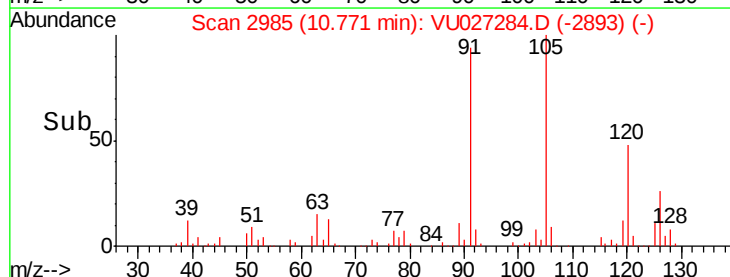
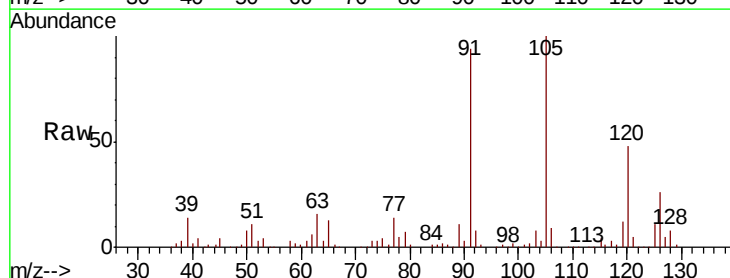
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.2





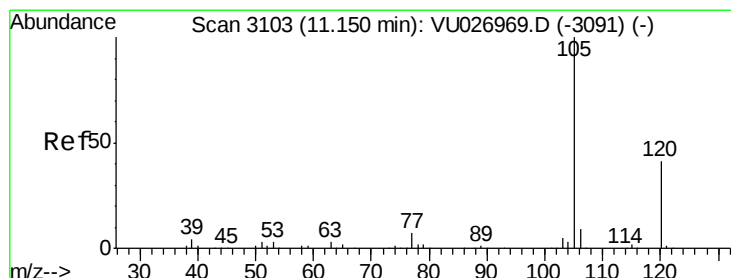
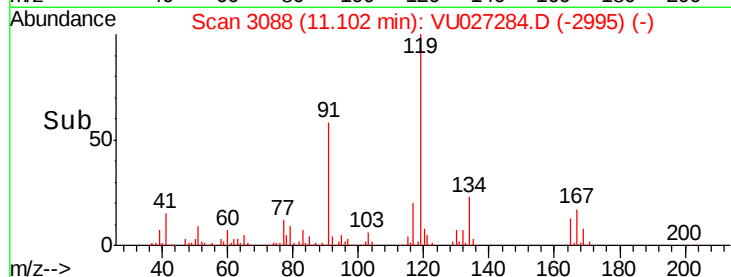
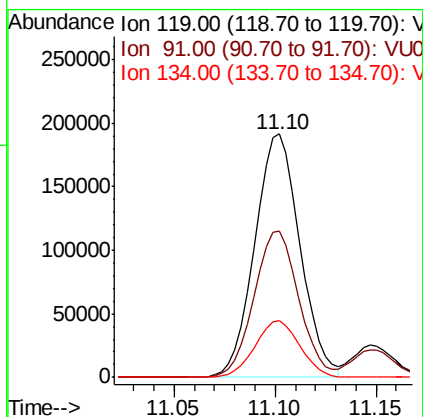
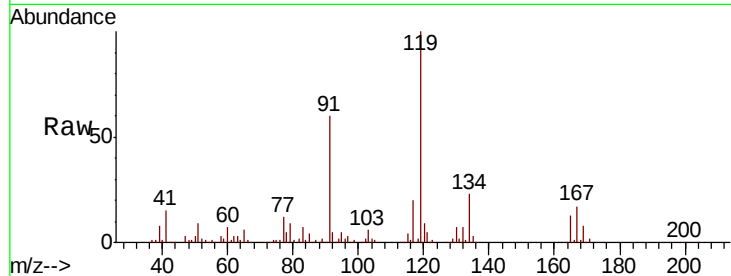
#83
tert-Butylbenzene
Concen: 54.532 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	59.4	29.8	89.4	
134	23.1	11.5	34.4	

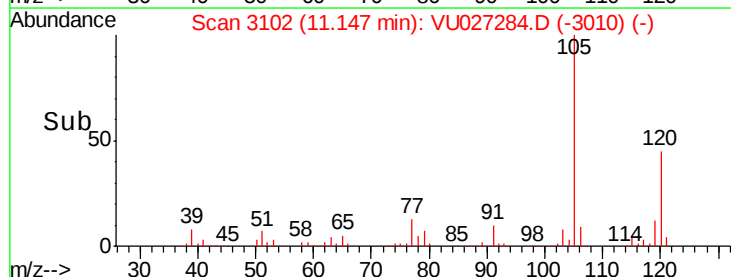
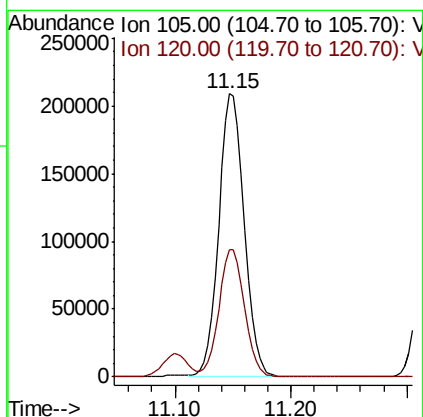
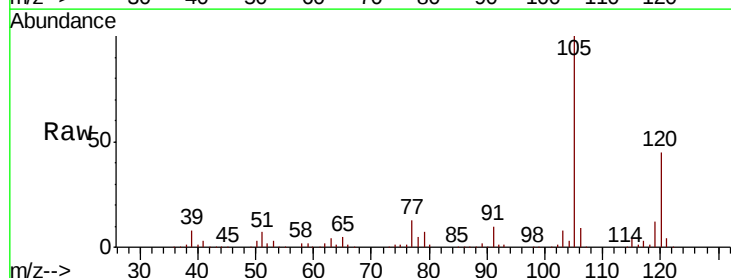
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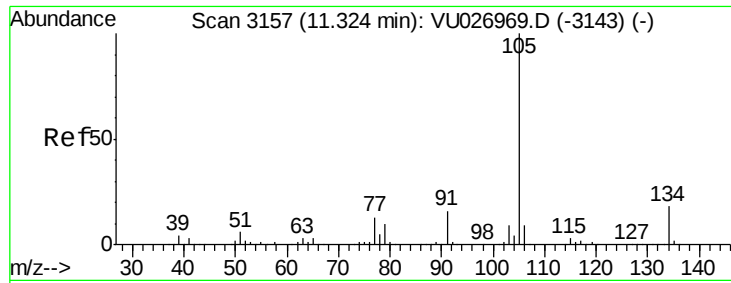
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#84
1,2,4-Trimethylbenzene
Concen: 55.991 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.2	22.4	67.2	





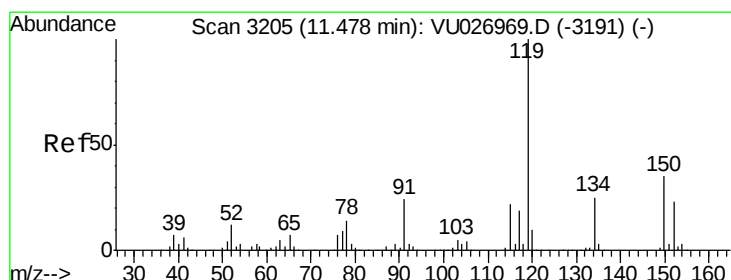
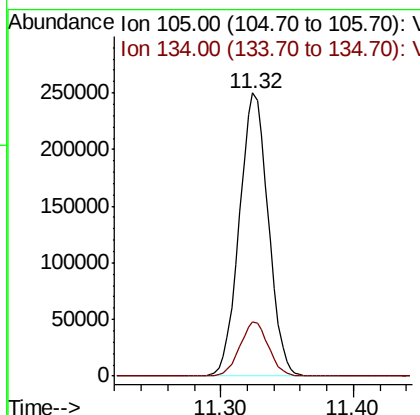
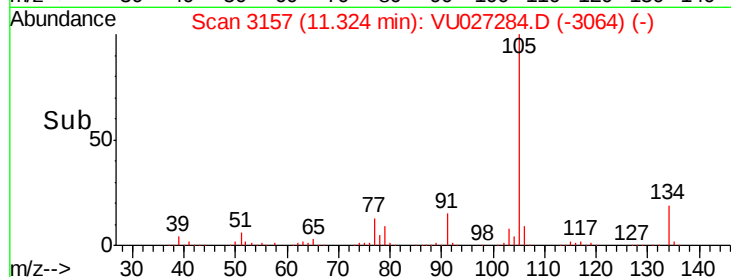
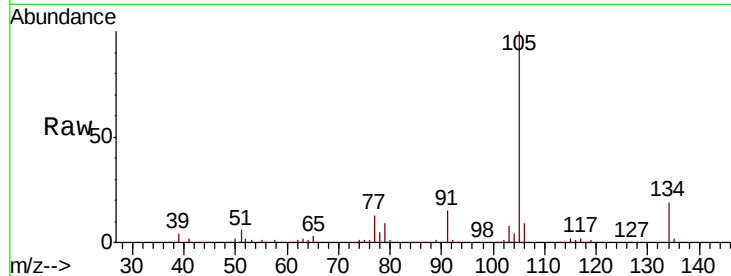
#85
 sec-Butylbenzene
 Concen: 56.307 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.2

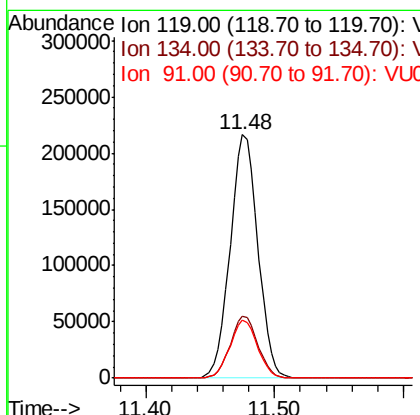
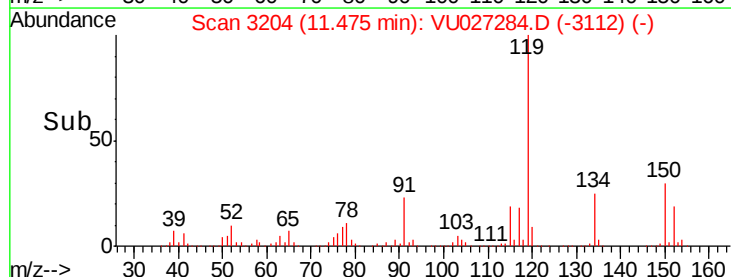
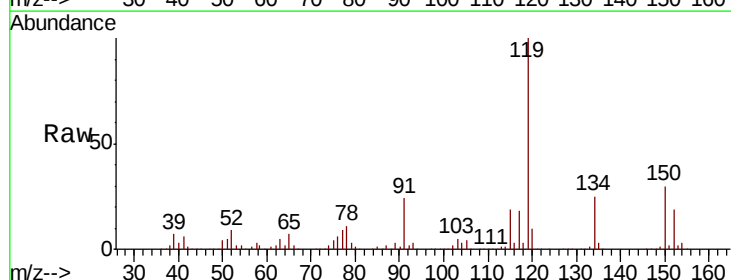
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#86
 p-Isopropyltoluene
 Concen: 51.037 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.3
91	23.7	12.3	36.8





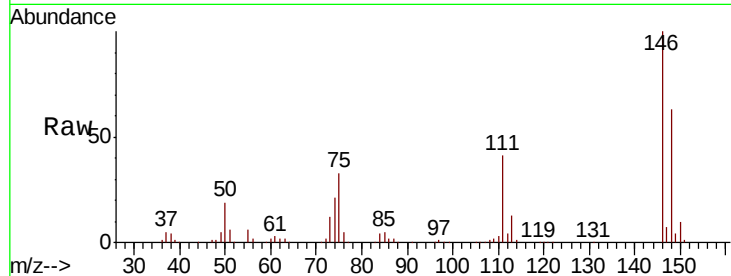
#87
 1,3-Dichlorobenzene
 Concen: 51.398 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

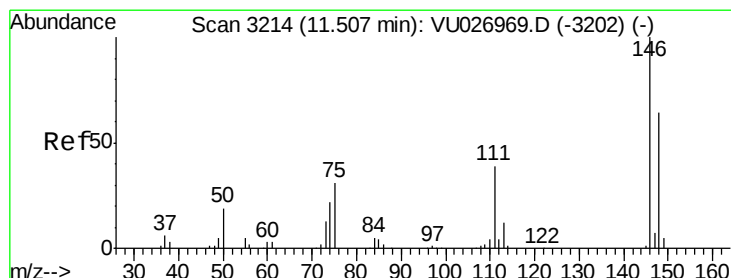
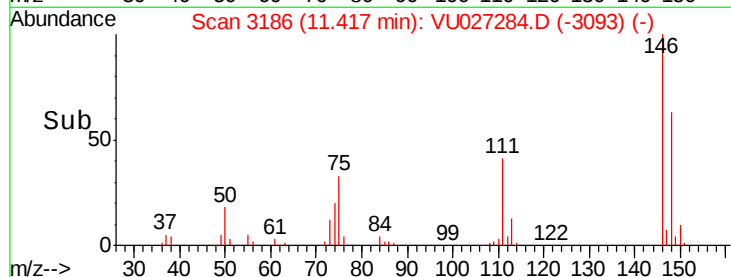
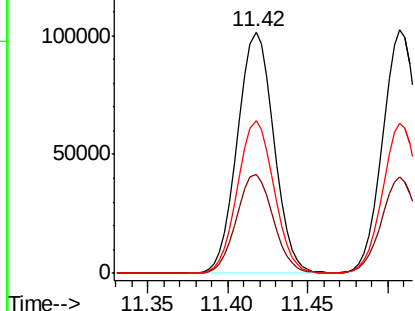
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	63.5	32.0	96.2

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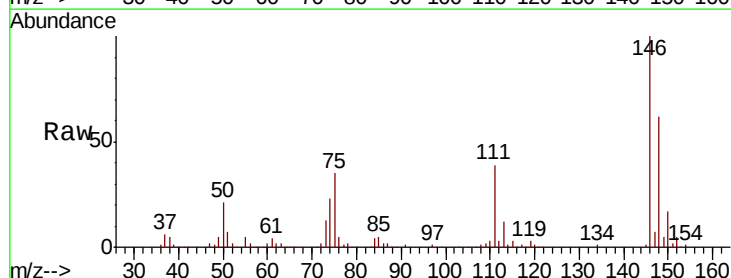


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

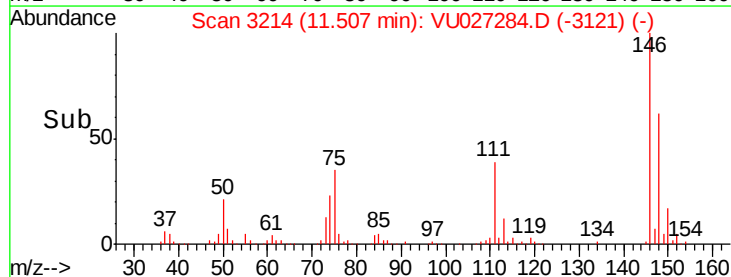
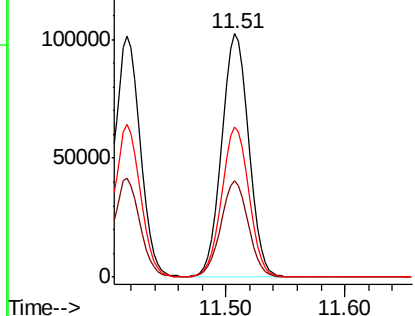


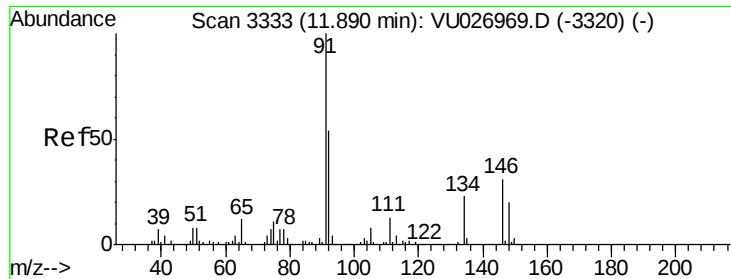
#88
 1,4-Dichlorobenzene
 Concen: 48.311 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	62.2	31.9	95.9



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





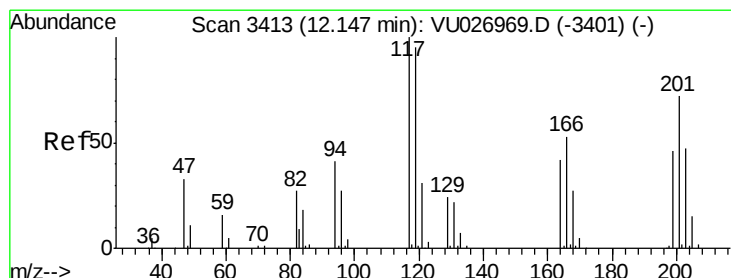
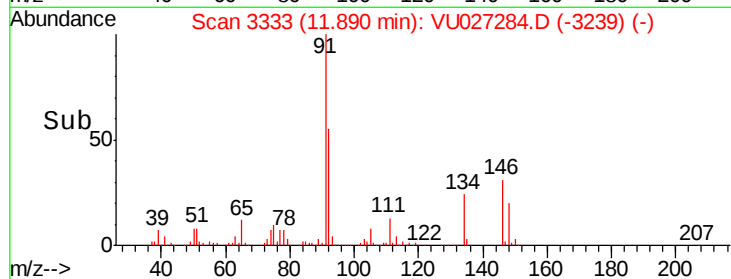
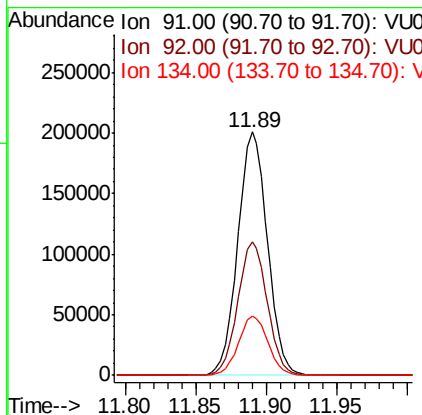
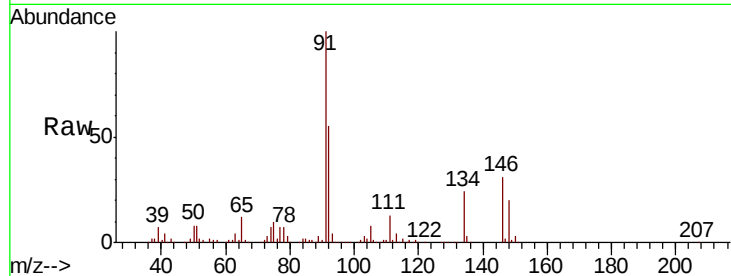
#89
n-Butylbenzene
Concen: 48.591 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.1	81.2
134	24.3	11.7	35.0

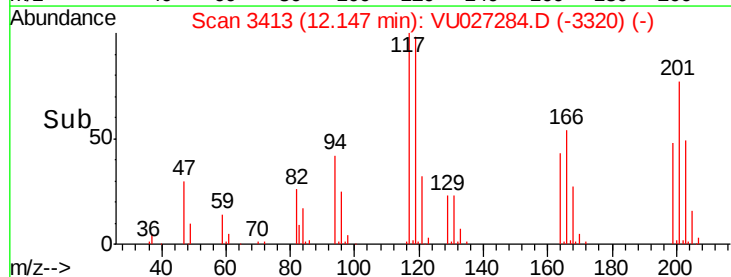
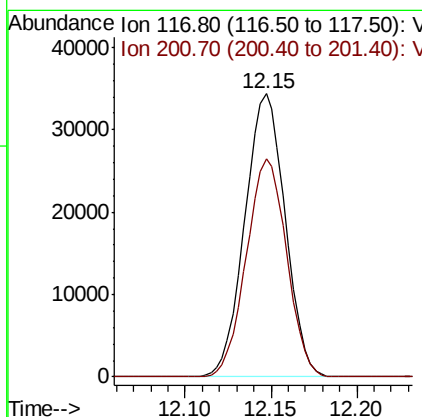
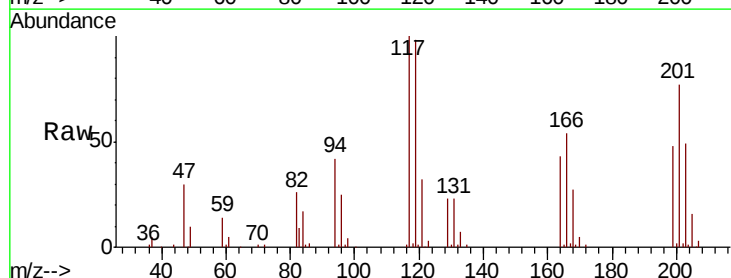
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#90
Hexachloroethane
Concen: 45.786 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027284.D
Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	36.8	110.3





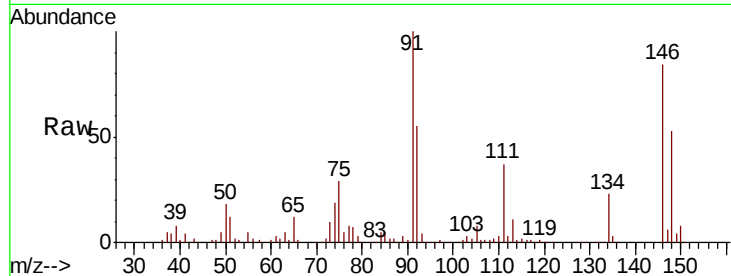
#91
 1,2-Dichlorobenzene
 Concen: 48.863 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.5	31.9	95.7

Manual Integrations
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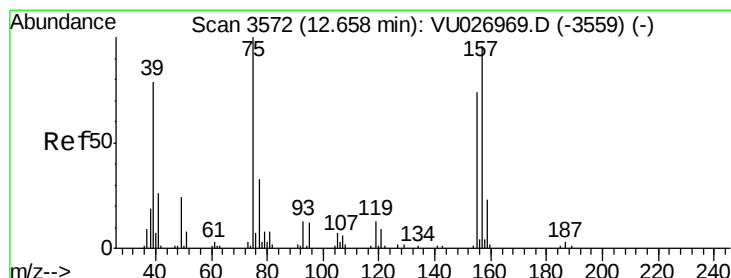
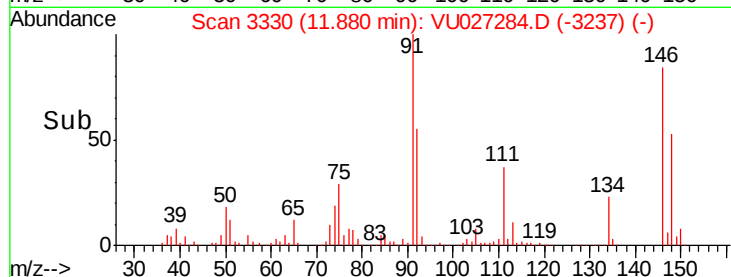
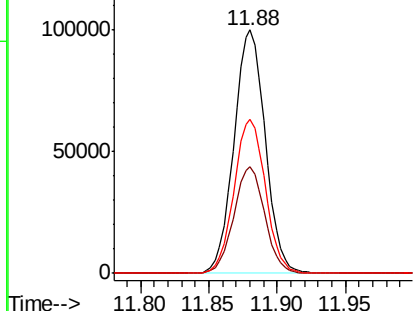


Abundance

Ion 145.90 (145.60 to 146.60): V

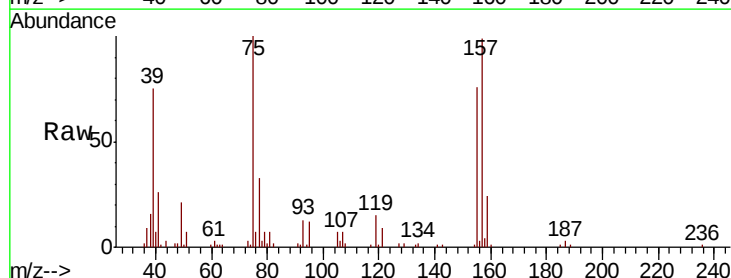
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.142 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	36.6	109.8
157	99.5	47.4	142.2

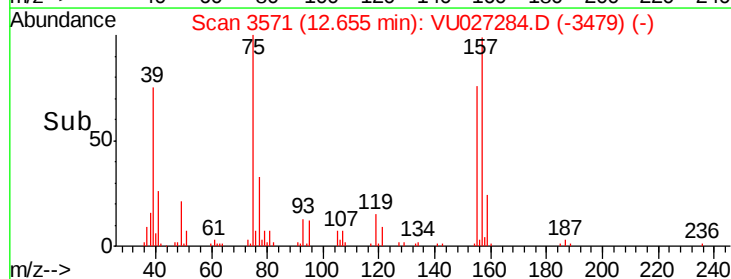
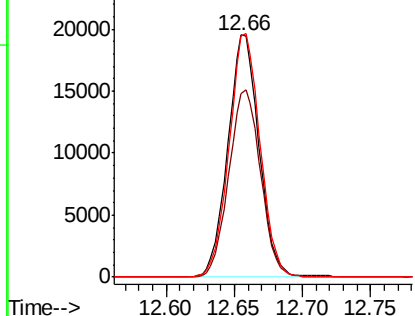


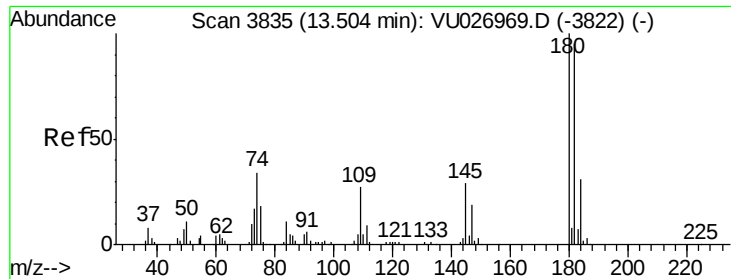
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





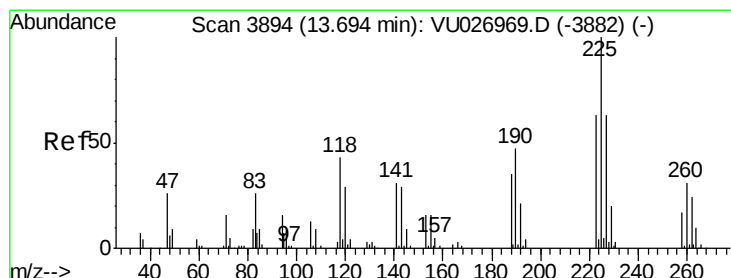
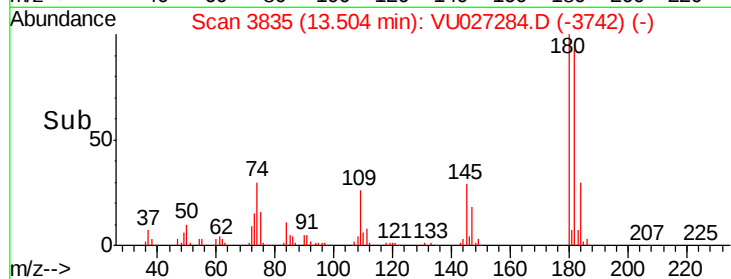
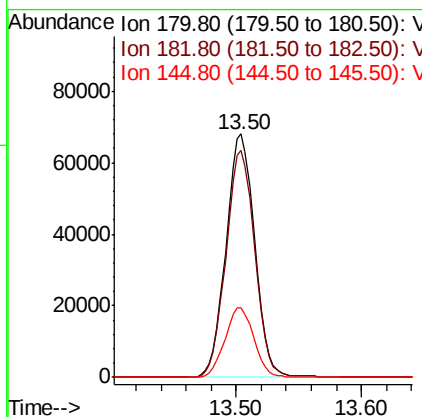
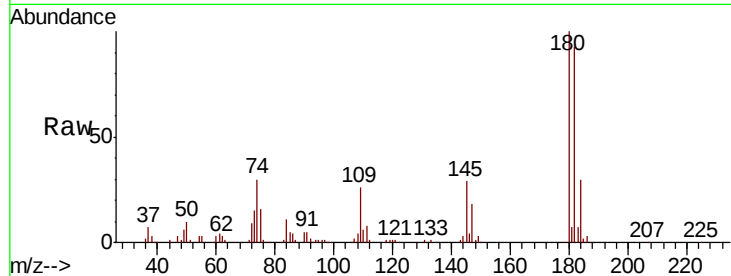
#93
 1,2,4-Trichlorobenzene
 Concen: 57.611 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108114		
182	93.7	47.4	142.2	
145	28.7	14.9	44.5	

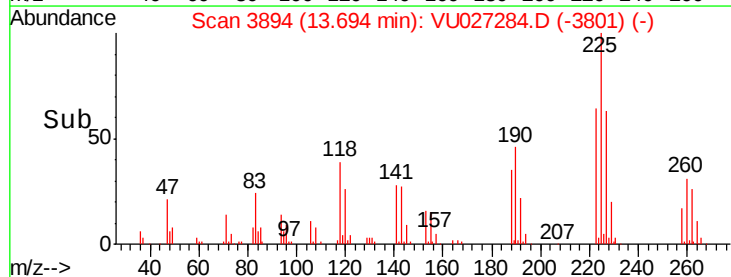
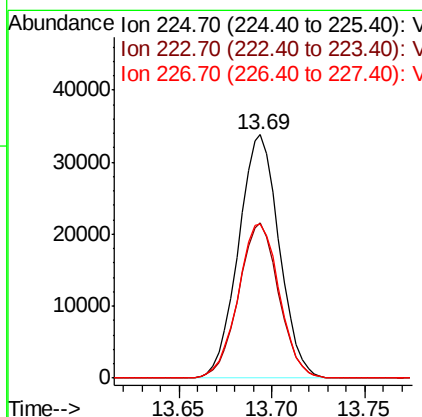
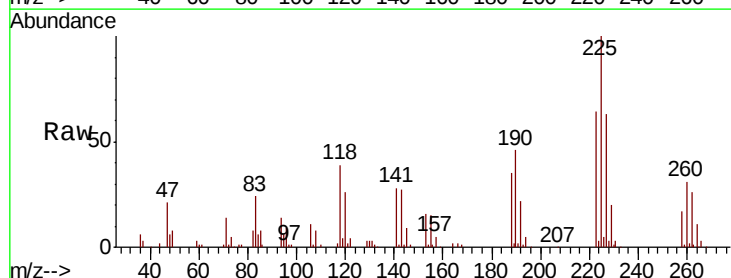
Manual Integrations
 APPROVED

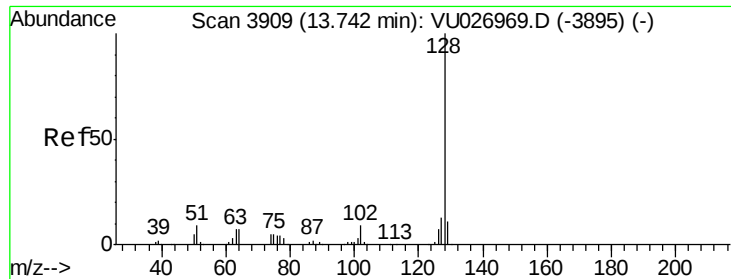
MMDadoda
 10/2/2018 1:08:16 PM



#94
 Hexachlorobutadiene
 Concen: 51.888 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027284.D
 Acq: 28 Sep 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51522		
223	62.7	31.9	95.7	
227	64.4	32.1	96.5	





#95

Naphthalene

Concen: 50.094 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Instrument :

MSVOA_U

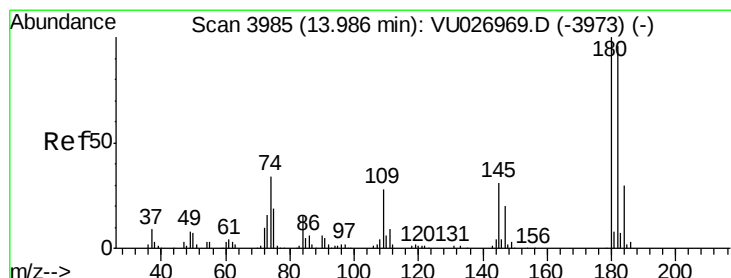
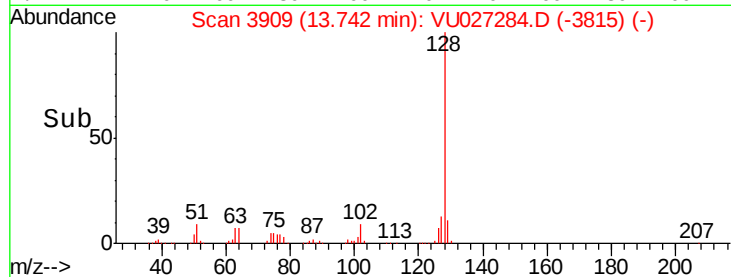
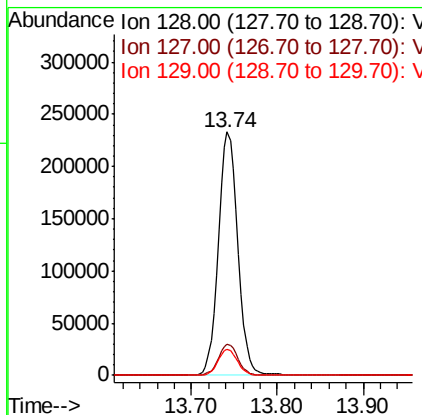
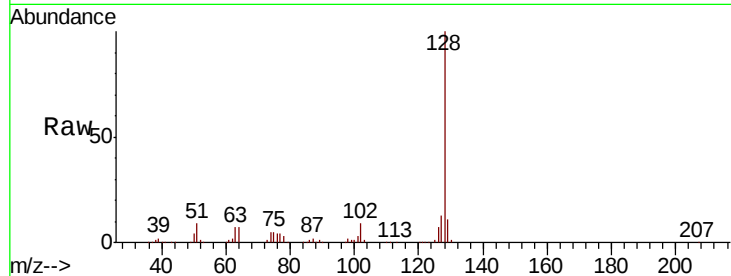
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	367578
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/2/2018 1:08:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.790 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027284.D

Acq: 28 Sep 2018 20:31

Tgt Ion:	180	Resp:	110263
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	30.8	15.4	46.4

