

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU029000.D
 Acq On : 03 Jan 2019 16:18
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:16 AM

Quant Time: Jan 04 03:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	135532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	221048	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	205542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	105083	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	82377	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	4.88	113	71605	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	7.56	98	281076	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.30	95	101299	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	65254	48.549	ug/l	100
3) Chloromethane	1.33	50	101065	47.069	ug/l	98
4) Vinyl Chloride	1.40	62	94898	47.911	ug/l	98
5) Bromomethane	1.60	94	54803	54.063	ug/l	99
6) Chloroethane	1.68	64	56592	47.967	ug/l	100
7) Trichlorofluoromethane	1.88	101	102492	47.487	ug/l	98
8) Diethyl Ether	2.10	74	49189	47.438	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	70730	48.977	ug/l	98
10) Methyl Iodide	2.40	142	69499	51.182	ug/l	100
11) Tert butyl alcohol	2.83	59	98548	231.403	ug/l	99
12) 1,1-Dichloroethene	2.28	96	70121	49.885	ug/l	96
13) Acrolein	2.19	56	71246	222.794	ug/l	99
14) Allyl chloride	2.59	41	129601	50.250	ug/l	100
15) Acrylonitrile	2.93	53	252125	241.312	ug/l	100
16) Acetone	2.32	43	243111	230.336	ug/l	100
17) Carbon Disulfide	2.47	76	223932	48.087	ug/l	99
18) Methyl Acetate	2.61	43	115772	47.174	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	238054	48.170	ug/l	99
20) Methylene Chloride	2.70	84	84147	46.957	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	77142	47.236	ug/l	98
22) Diisopropyl ether	3.57	45	249541	48.955	ug/l	98
23) Vinyl Acetate	3.52	43	1045465	250.884	ug/l	99
24) 1,1-Dichloroethane	3.44	63	143165	48.653	ug/l	99
25) 2-Butanone	4.26	43	350204	245.661	ug/l	100
26) 2,2-Dichloropropane	4.22	77	117462	49.402	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	88532	49.565	ug/l	99
28) Bromochloromethane	4.55	49	61427	48.752	ug/l	99
29) Tetrahydrofuran	4.63	42	209255	242.019	ug/l	99
30) Chloroform	4.67	83	136340	48.645	ug/l	100
31) Cyclohexane	4.99	56	138225	49.756	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	110081	47.534	ug/l	98
36) 1,1-Dichloropropene	5.13	75	105816	47.892	ug/l	99
37) Ethyl Acetate	4.38	43	118629	48.914	ug/l	99
38) Carbon Tetrachloride	5.13	117	90853	49.301	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	134244	49.422	ug/l	99
40) Benzene	5.39	78	334522	48.538	ug/l	99
41) Methacrylonitrile	4.54	41	66583	51.289	ug/l	98
42) 1,2-Dichloroethane	5.40	62	103296	49.878	ug/l	100
43) Isopropyl Acetate	5.55	43	188653	50.709	ug/l	99
44) Trichloroethene	6.18	130	81682	47.833	ug/l	96
45) 1,2-Dichloropropane	6.43	63	88349	48.543	ug/l	100
46) Dibromomethane	6.56	93	56080	48.201	ug/l	99
47) Bromodichloromethane	6.76	83	106034	49.499	ug/l	99
48) Methyl methacrylate	6.62	41	92931	51.300	ug/l	99
49) 1,4-Dioxane	6.61	88	41187	959.392	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	621584	245.501	ug/l	99
52) Toluene	7.64	92	204149	48.657	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	124948	48.556	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	136359	49.040	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	81546	48.515	ug/l	98
56) Ethyl methacrylate	8.02	69	131524	50.791	ug/l	99
57) 1,3-Dichloropropane	8.24	76	142199	49.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	297259	261.025	ug/l	100
59) 2-Hexanone	8.36	43	494625	248.874	ug/l	100
60) Dibromochloromethane	8.48	129	80699	48.461	ug/l	99
61) 1,2-Dibromoethane	8.58	107	87912	48.225	ug/l	98
64) Tetrachloroethene	8.22	164	73785	49.834	ug/l	96
65) Chlorobenzene	9.12	112	221799	48.141	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	75170	50.275	ug/l	98
67) Ethyl Benzene	9.25	91	385935	50.173	ug/l	99
68) m/p-Xylenes	9.37	106	299480	100.202	ug/l	99
69) o-Xylene	9.78	106	145420	50.497	ug/l	99
70) Styrene	9.79	104	240833	51.014	ug/l	100
71) Bromoform	9.96	173	66329	49.822	ug/l #	99
73) Isopropylbenzene	10.16	105	380265	48.890	ug/l	99
74) N-amyl acetate	10.01	43	168388	50.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	147294	47.250	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	124290m	48.274	ug/l	
77) Bromobenzene	10.45	156	97645	48.174	ug/l	99
78) n-propylbenzene	10.58	91	454466	49.581	ug/l	100
79) 2-Chlorotoluene	10.66	91	264887	47.639	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	319059	49.122	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	43766m	43.840	ug/l	
82) 4-Chlorotoluene	10.77	91	305823	47.966	ug/l	100
83) tert-Butylbenzene	11.10	119	311192	48.610	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	327466	50.497	ug/l	100
85) sec-Butylbenzene	11.32	105	382962	49.463	ug/l	99
86) p-Isopropyltoluene	11.47	119	333509	50.551	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	177294	47.687	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	176734	46.052	ug/l	99
89) n-Butylbenzene	11.89	91	305521	51.885	ug/l	99
90) Hexachloroethane	12.14	117	51366	46.281	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	176037	47.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29391	49.020	ug/l	98

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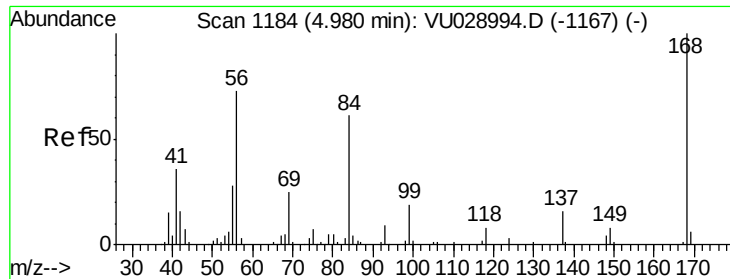
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	118912	49.745	ug/l	100
94) Hexachlorobutadiene	13.69	225	53252	48.704	ug/l	99
95) Naphthalene	13.74	128	391492	48.143	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	119028	48.394	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion:168 Resp: 135532

Ion Ratio Lower Upper

168 100

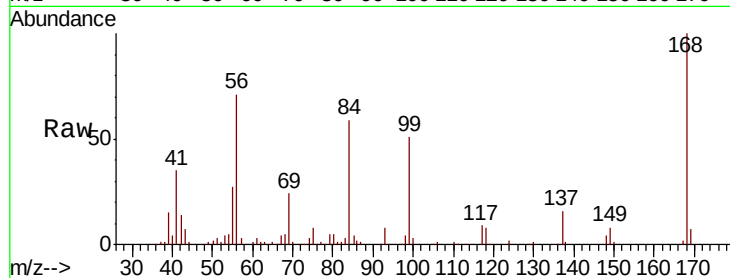
99 51.1 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

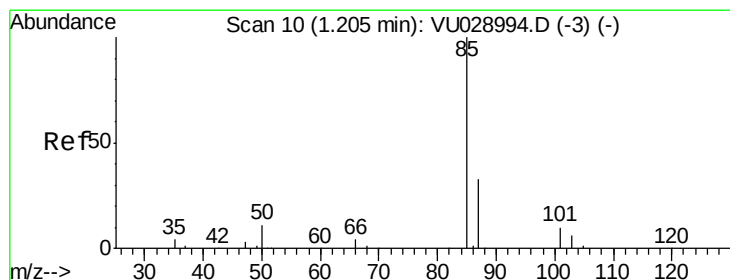
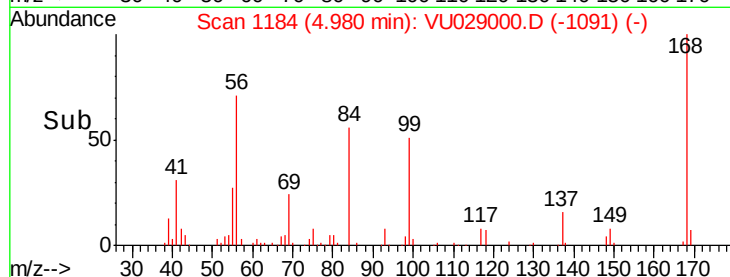
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.549 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU029000.D

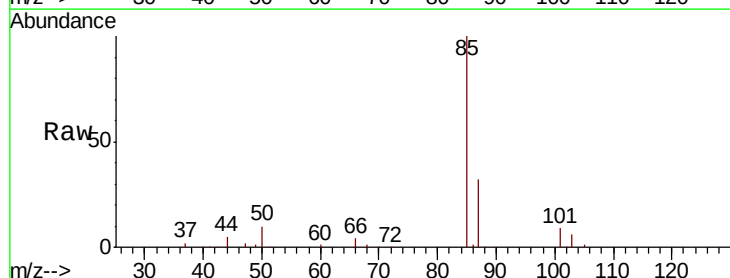
Acq: 03 Jan 2019 16:18

Tgt Ion: 85 Resp: 65254

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.20

60000

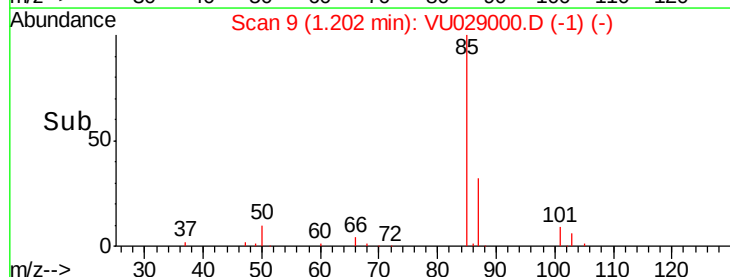
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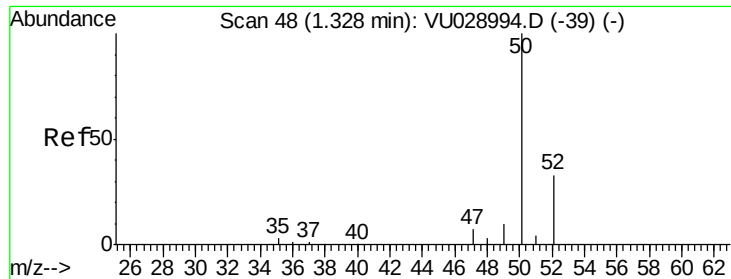
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.069 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 50 Resp: 101065

Ion Ratio Lower Upper

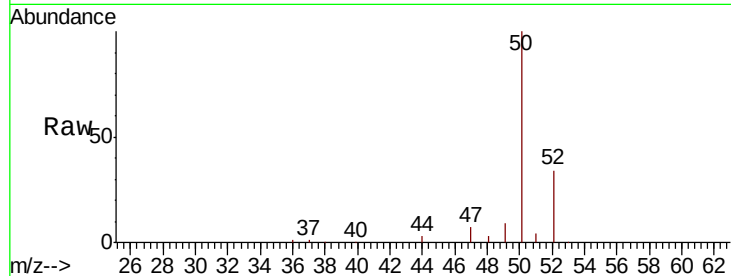
50 100

52 33.6 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

60000

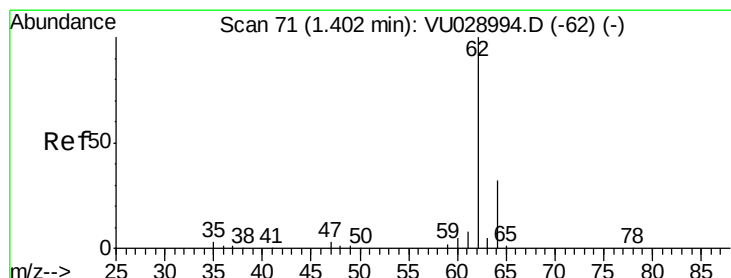
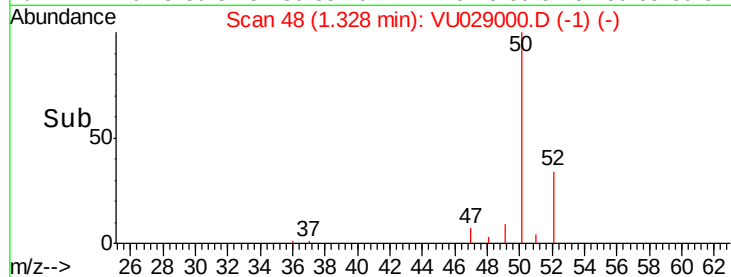
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 47.911 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029000.D

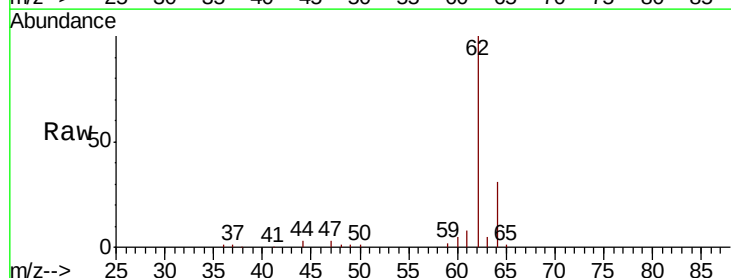
Acq: 03 Jan 2019 16:18

Tgt Ion: 62 Resp: 94898

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

60000

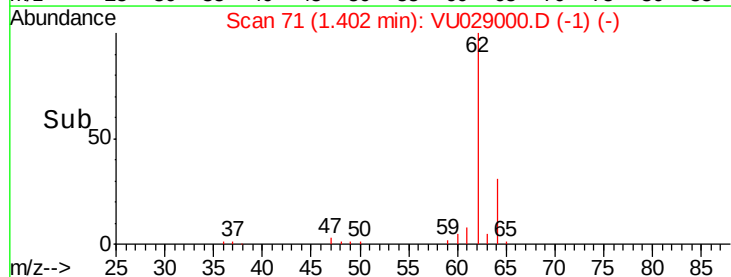
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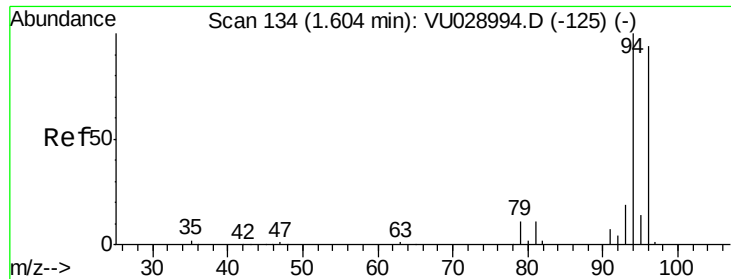
20000

0

1.35 1.40 1.45

Time-->





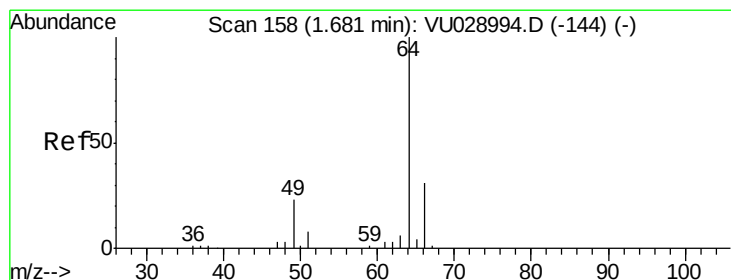
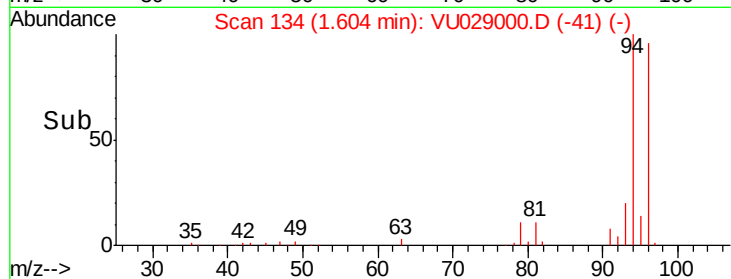
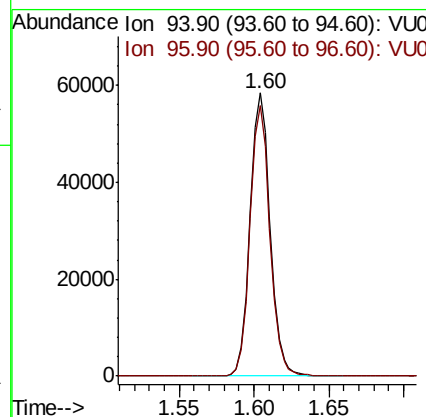
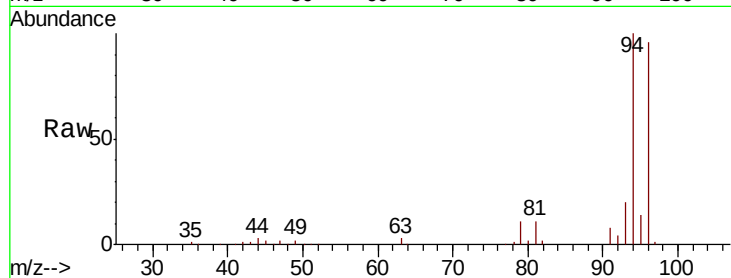
#5
Bromomethane
Concen: 54.063 ug/l
RT: 1.60 min Scan# 134
Delta R.T. 0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 94 Resp: 54803
Ion Ratio Lower Upper
94 100
96 95.7 75.5 113.3

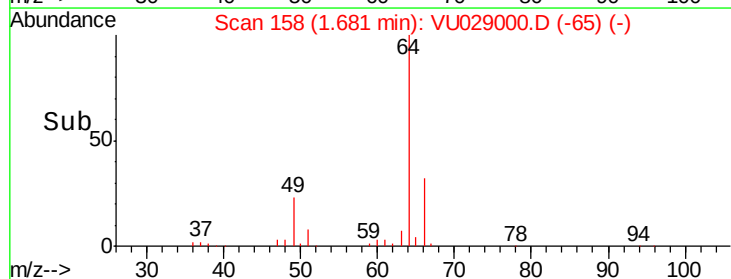
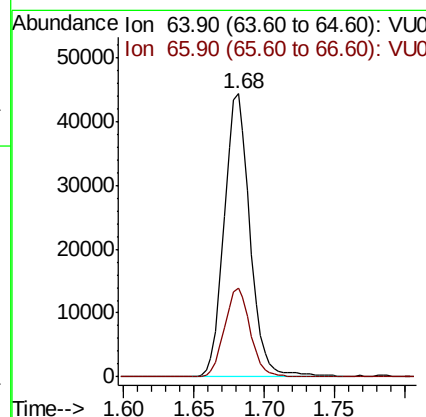
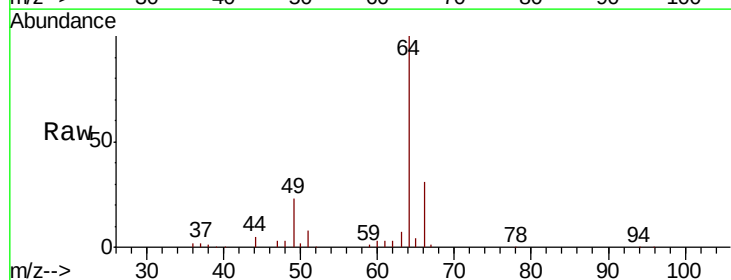
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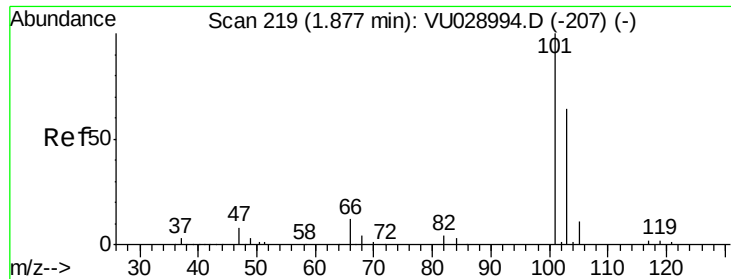
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#6
Chloroethane
Concen: 47.967 ug/l
RT: 1.68 min Scan# 158
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 64 Resp: 56592
Ion Ratio Lower Upper
64 100
66 31.5 25.2 37.8





#7

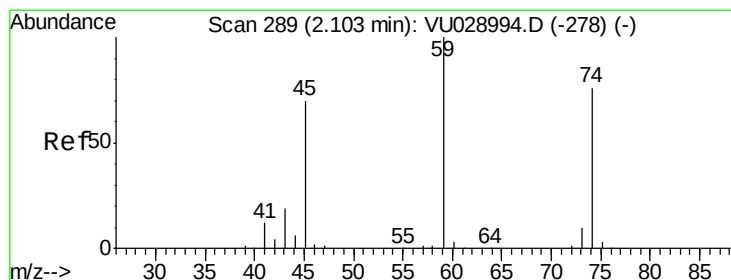
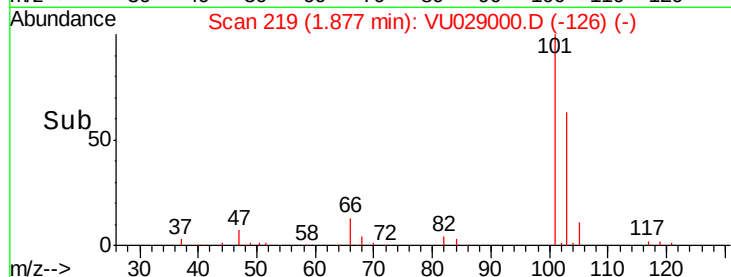
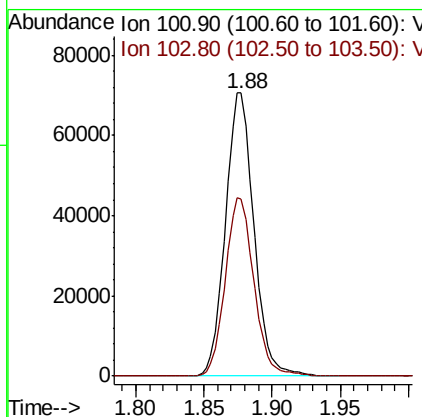
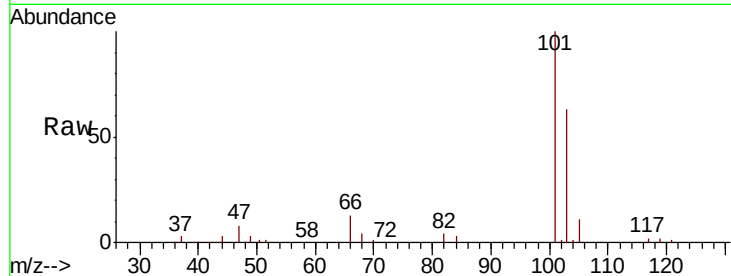
Trichlorofluoromethane
Concen: 47.487 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
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ClientSampleId :
ICVVU010319

Tgt Ion: 101 Resp: 102492
Ion Ratio Lower Upper
101 100
103 62.5 51.5 77.3

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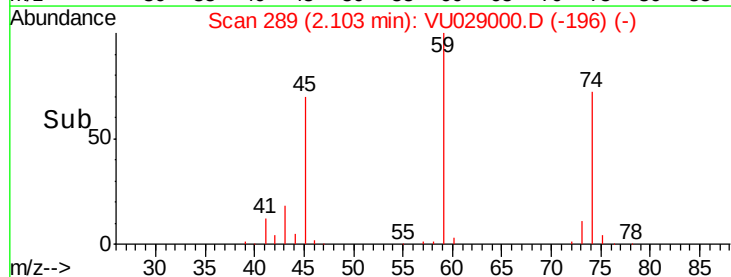
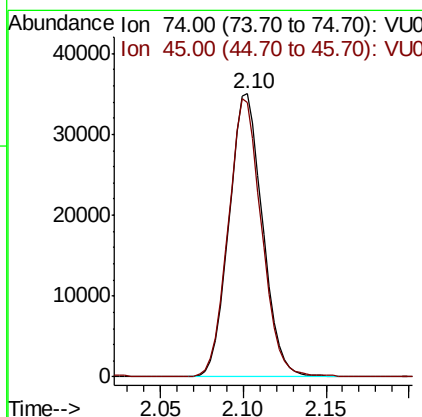
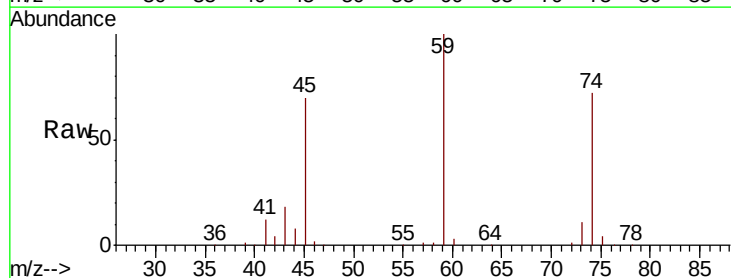
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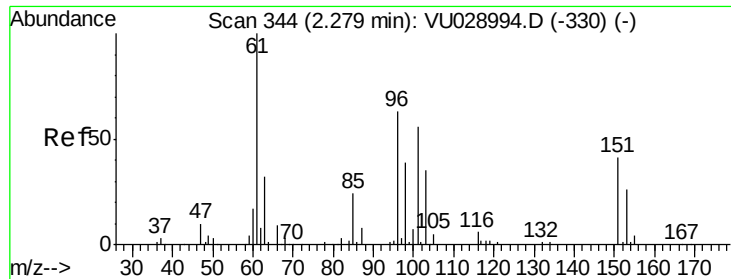


#8

Diethyl Ether
Concen: 47.438 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 74 Resp: 49189
Ion Ratio Lower Upper
74 100
45 97.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.977 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

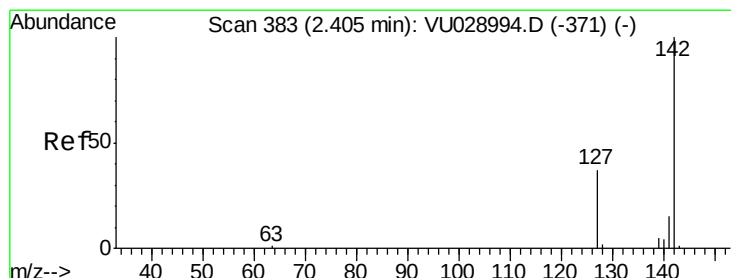
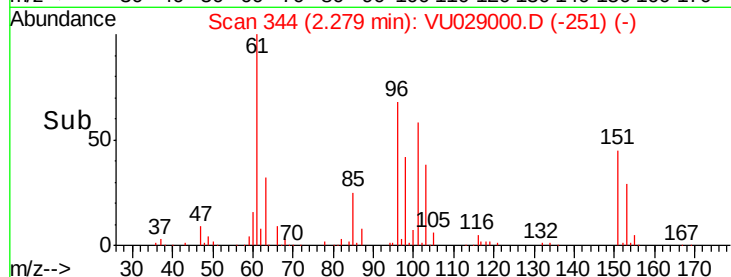
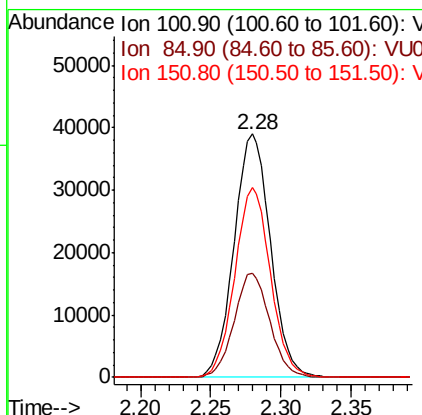
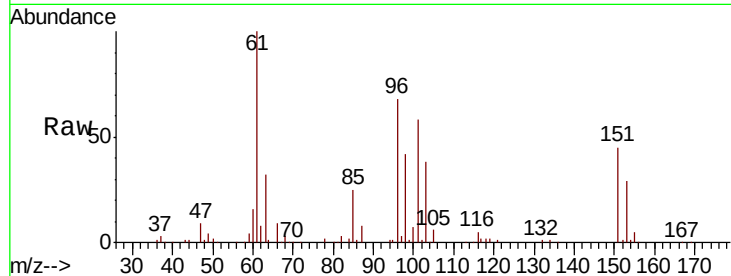
ClientSampleId :

ICVVU010319

Tgt Ion:	101	Resp:	70730
Ion Ratio	Lower	Upper	
101	100		
85	41.6	35.1	52.7
151	76.0	60.2	90.2

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#10

Methyl Iodide

Concen: 51.182 ug/l

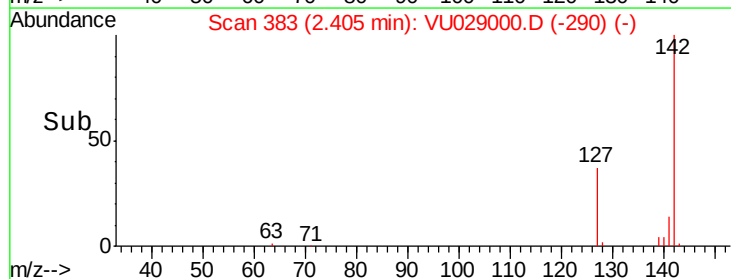
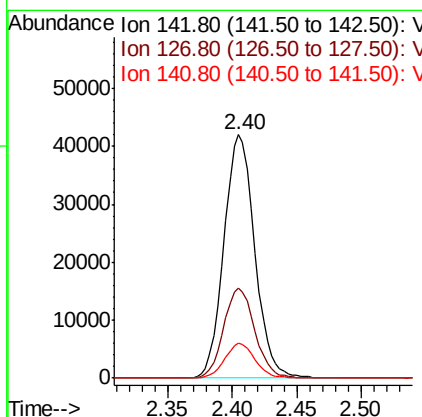
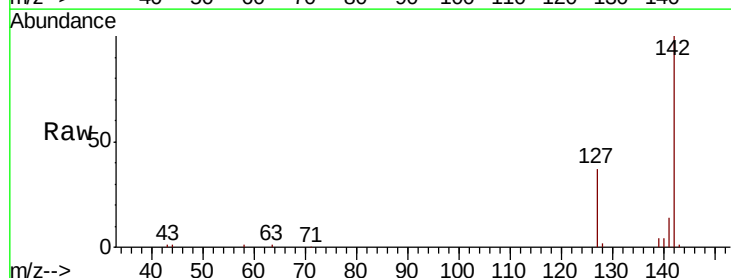
RT: 2.40 min Scan# 383

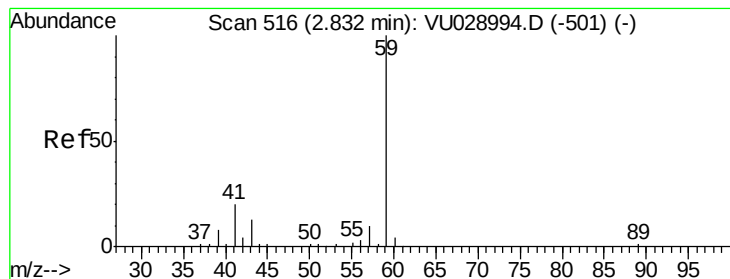
Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion:	142	Resp:	69499
Ion Ratio	Lower	Upper	
142	100		
127	37.2	29.8	44.6
141	14.0	11.5	17.3





#11

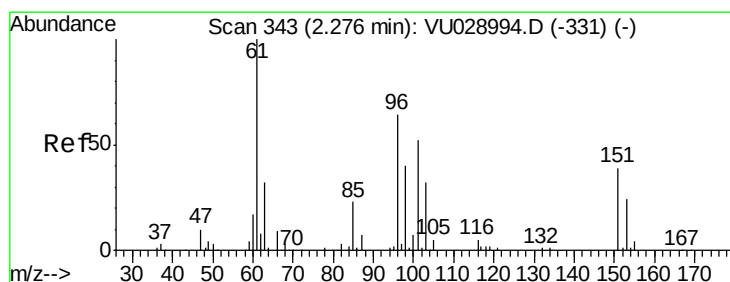
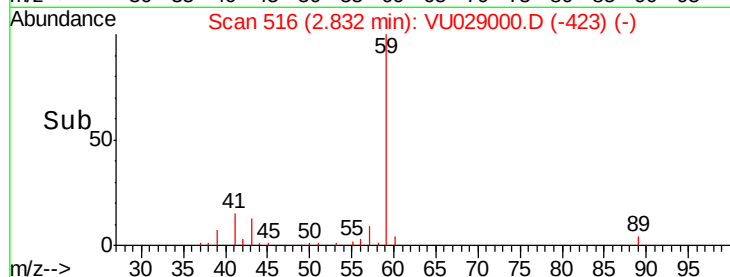
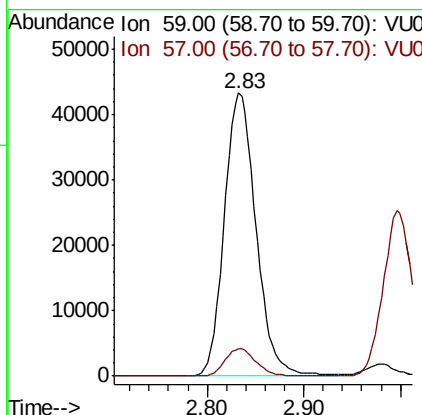
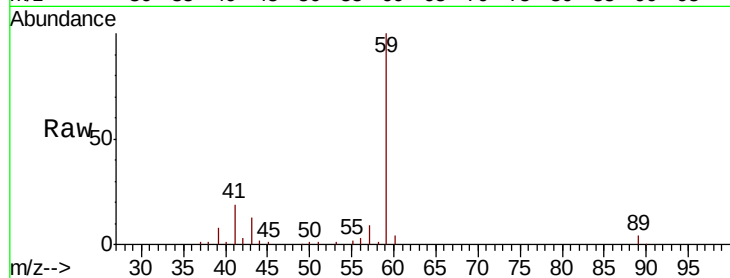
Tert butyl alcohol
Concen: 231.403 ug/l
RT: 2.83 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

Manual Integrations
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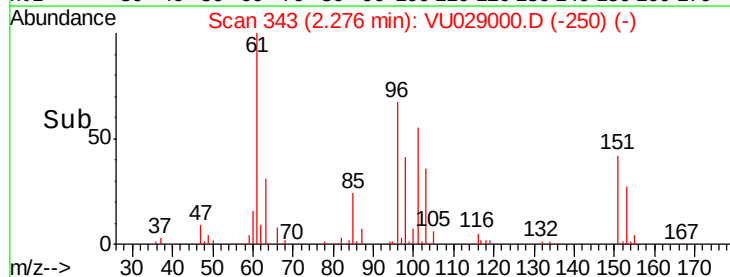
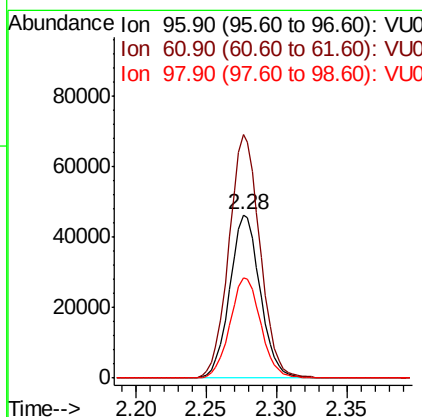
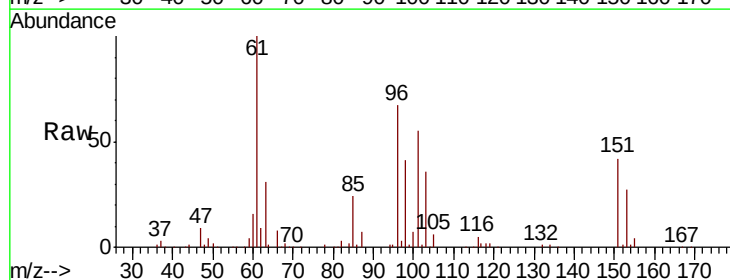
MMDadoda
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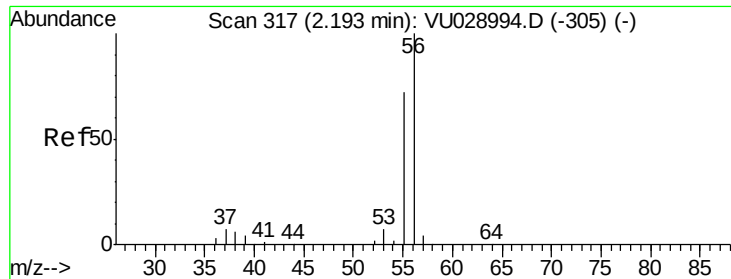


#12

1,1-Dichloroethene
Concen: 49.885 ug/l
RT: 2.28 min Scan# 343
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	125.4	188.0
98	61.8	49.7	74.5





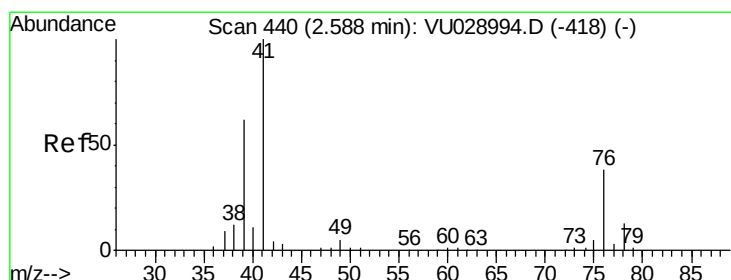
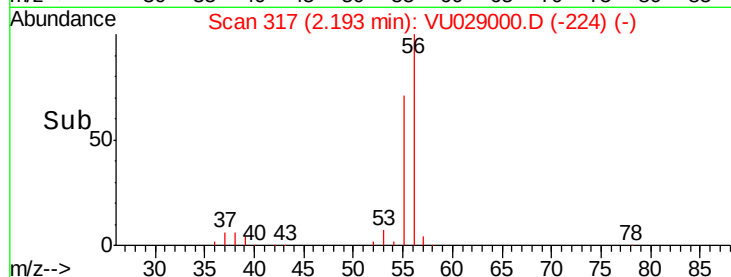
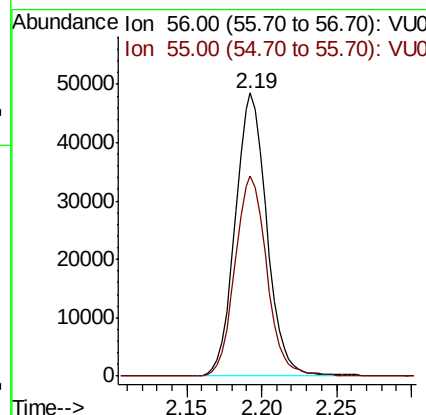
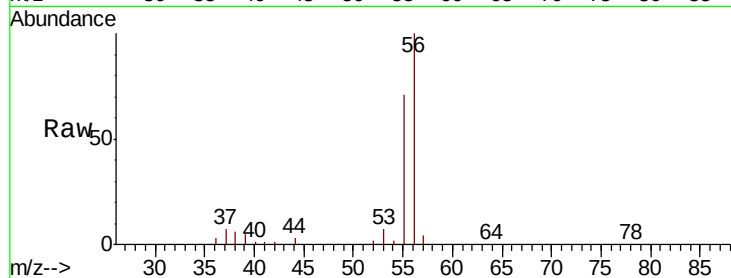
#13
Acrolein
Concen: 222.794 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 56 Resp: 71246
Ion Ratio Lower Upper
56 100
55 71.6 56.5 84.7

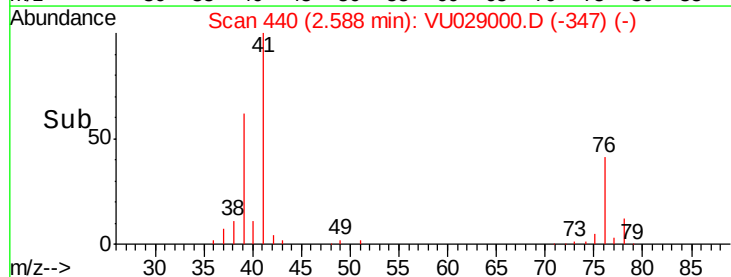
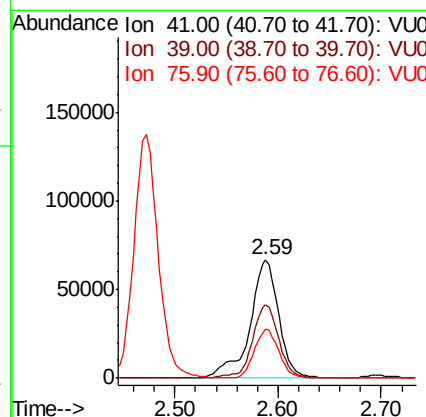
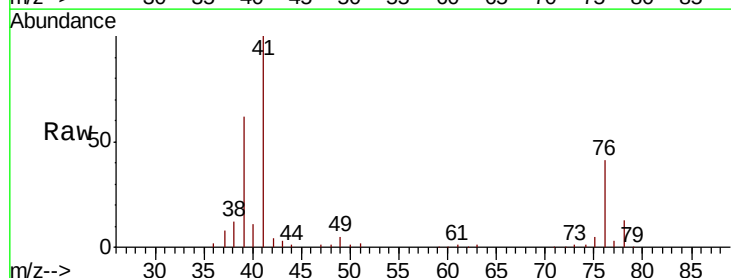
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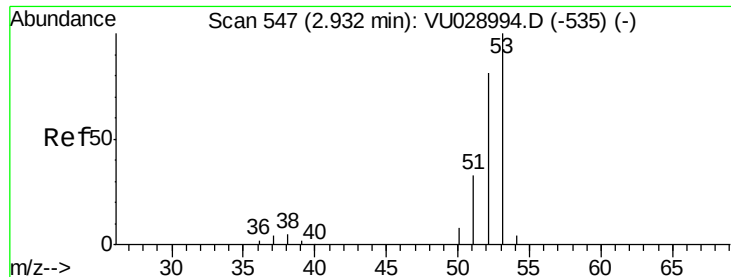
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#14
Allyl chloride
Concen: 50.250 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 41 Resp: 129601
Ion Ratio Lower Upper
41 100
39 56.7 45.0 67.6
76 35.2 28.1 42.1





#15

Acrylonitrile

Concen: 241.312 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

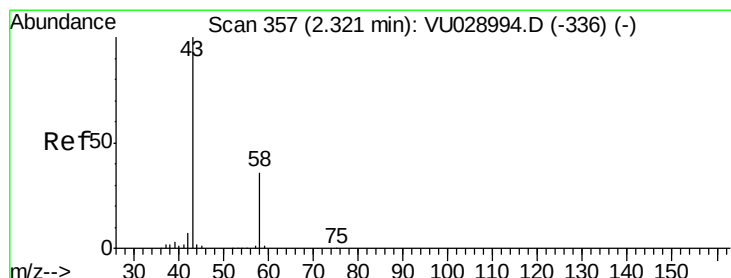
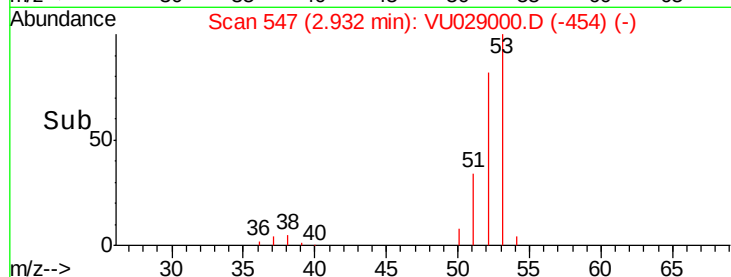
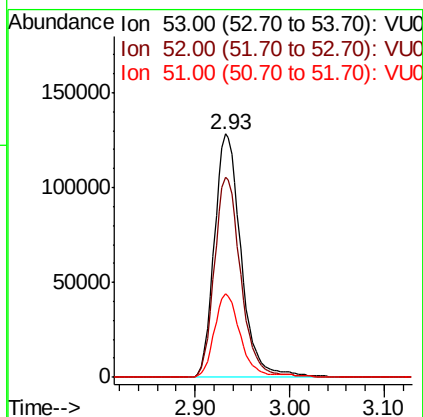
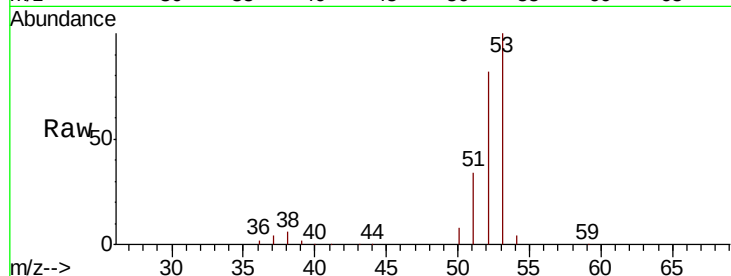
ClientSampleId :

ICVVU010319

Tgt Ion:	53	Resp:	252125
Ion	Ratio	Lower	Upper
53	100		
52	80.9	64.8	97.2
51	34.1	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 230.336 ug/l

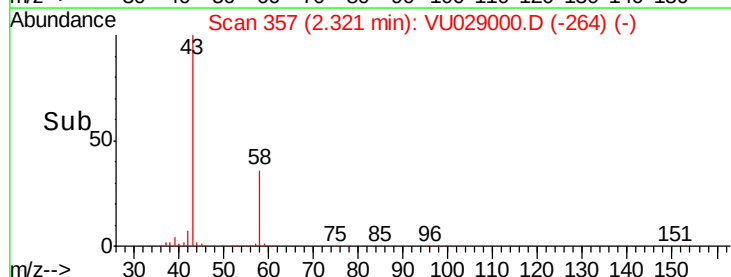
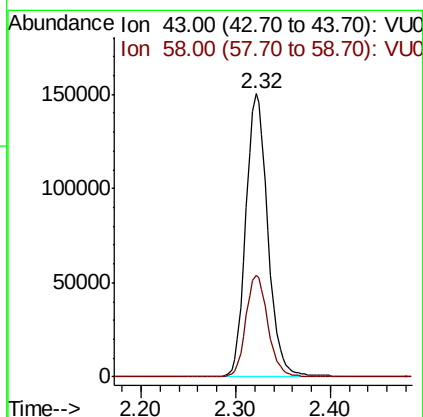
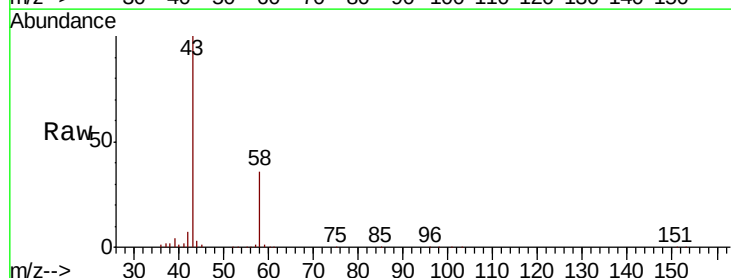
RT: 2.32 min Scan# 357

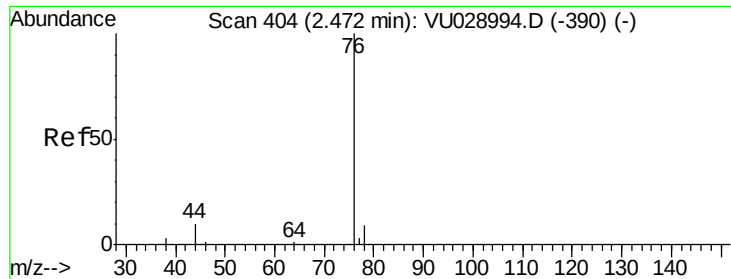
Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion:	43	Resp:	243111
Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.6	42.8





#17

Carbon Disulfide

Concen: 48.087 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 76 Resp: 223932

Ion Ratio Lower Upper

76 100

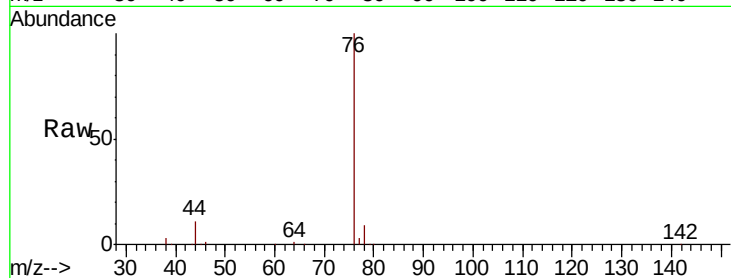
78 9.3 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU028994.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028994.D (-390) (-)

2.47

150000

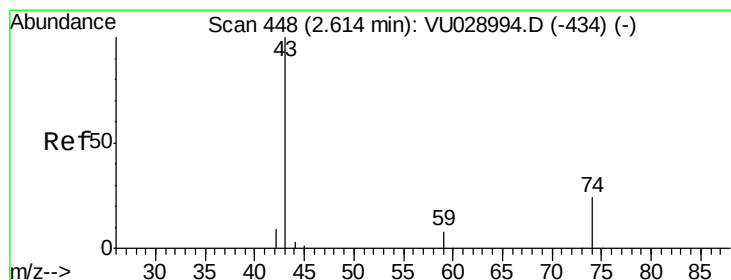
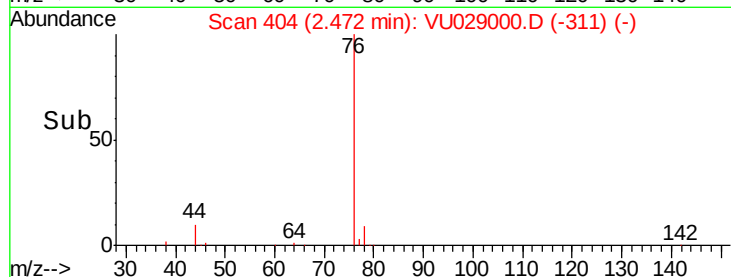
100000

50000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 47.174 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU029000.D

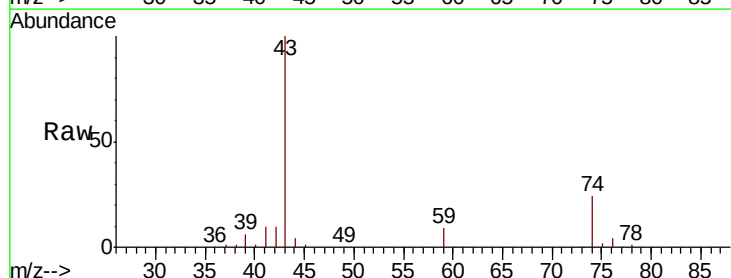
Acq: 03 Jan 2019 16:18

Tgt Ion: 43 Resp: 115772

Ion Ratio Lower Upper

43 100

74 24.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU028994.D (-434) (-)

2.61

80000

60000

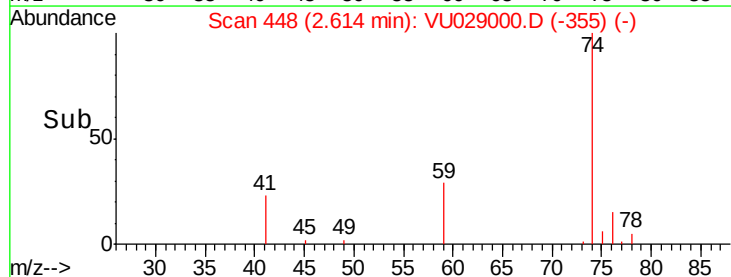
40000

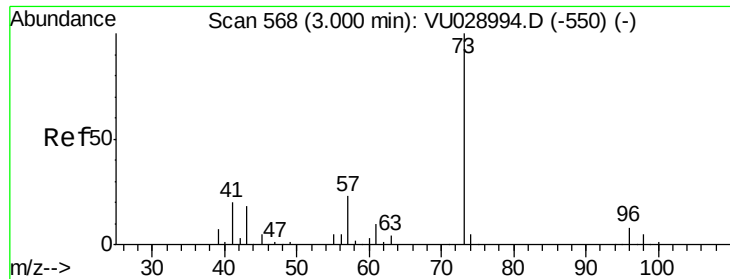
20000

0

2.50 2.60 2.70

Time-->





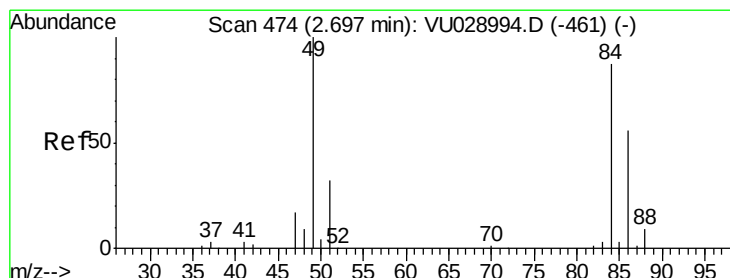
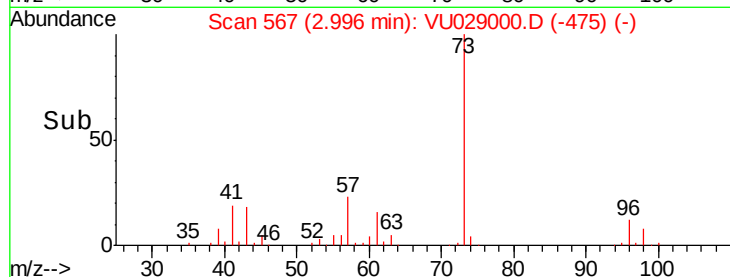
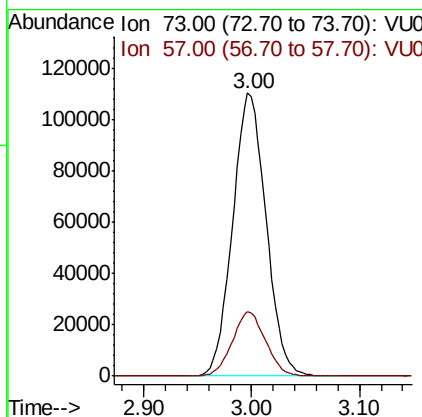
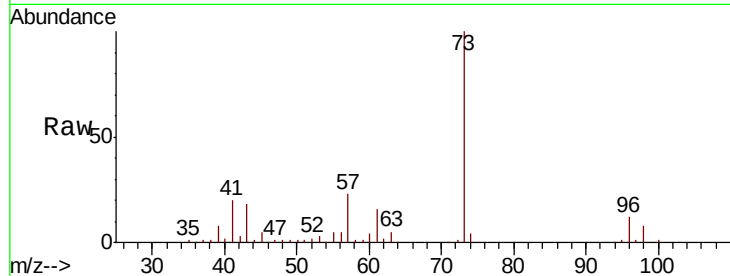
#19
Methyl tert-butyl Ether
Concen: 48.170 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 73 Resp: 238054
Ion Ratio Lower Upper
73 100
57 23.0 18.6 28.0

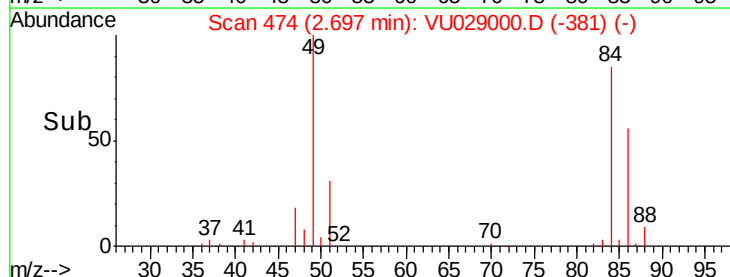
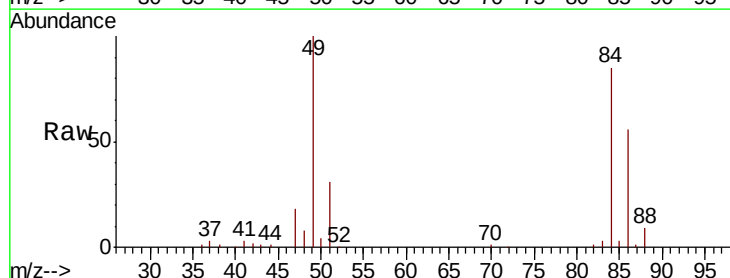
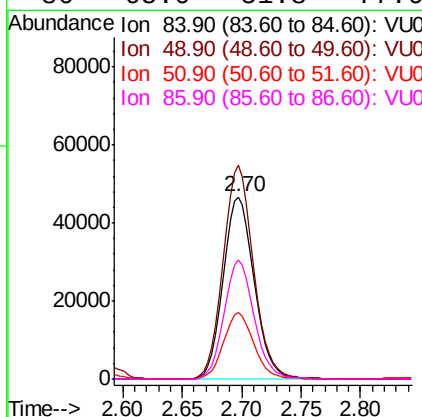
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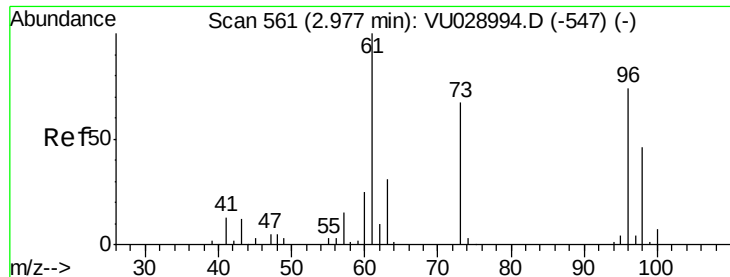
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#20
Methylene Chloride
Concen: 46.957 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 84 Resp: 84147
Ion Ratio Lower Upper
84 100
49 117.1 91.9 137.9
51 36.4 29.2 43.8
86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.236 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 96 Resp: 77142

Ion Ratio Lower Upper

96 100

61 137.2 107.7 161.5

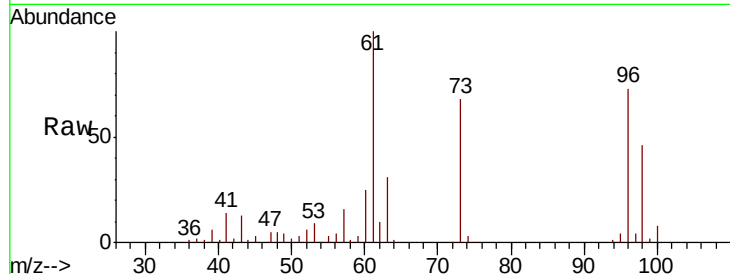
98 62.7 49.2 73.8

Manual Integrations

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MMDadoda

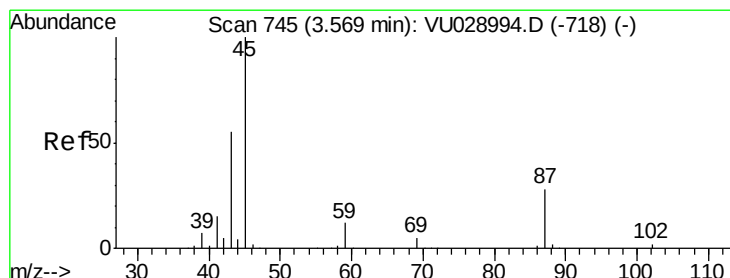
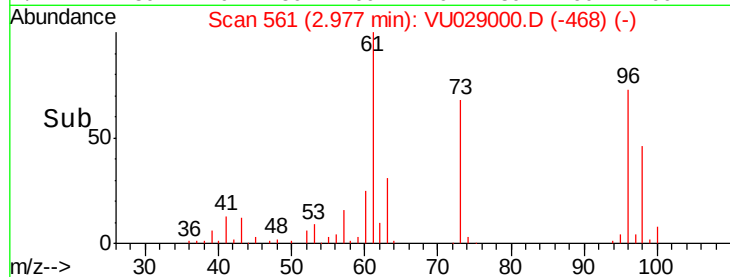
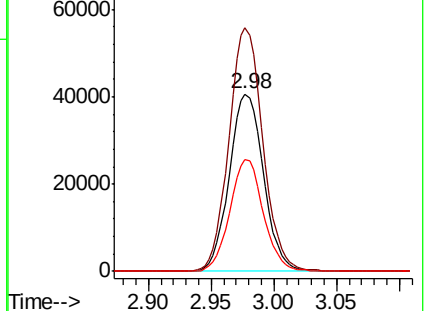
1/4/2019 9:51:16 AM



Abundance Ion 95.90 (95.60 to 96.60): VU028994.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU028994.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU028994.D (-547) (-)



#22

Diisopropyl ether

Concen: 48.955 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion: 45 Resp: 249541

Ion Ratio Lower Upper

45 100

43 54.2 44.7 67.1

87 28.4 22.2 33.2

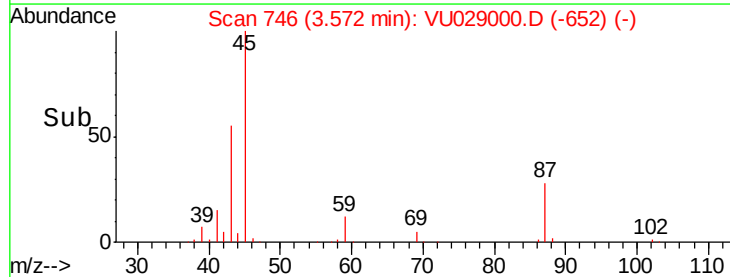
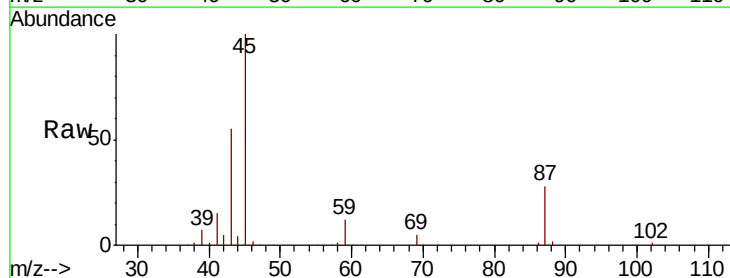
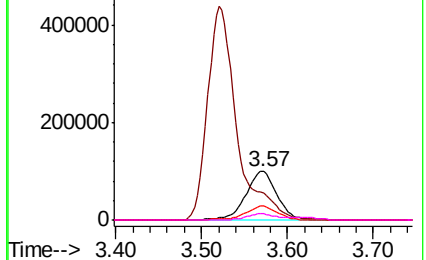
59 12.4 9.8 14.8

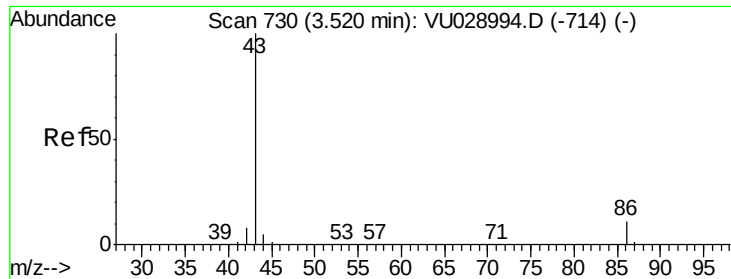
Abundance Ion 45.00 (44.70 to 45.70): VU028994.D (-718) (-)

Ion 43.00 (42.70 to 43.70): VU028994.D (-718) (-)

Ion 87.00 (86.70 to 87.70): VU028994.D (-718) (-)

Ion 59.00 (58.70 to 59.70): VU028994.D (-718) (-)





#23

Vinyl Acetate

Concen: 250.884 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 43 Resp: 1045465

Ion Ratio Lower Upper

43 100

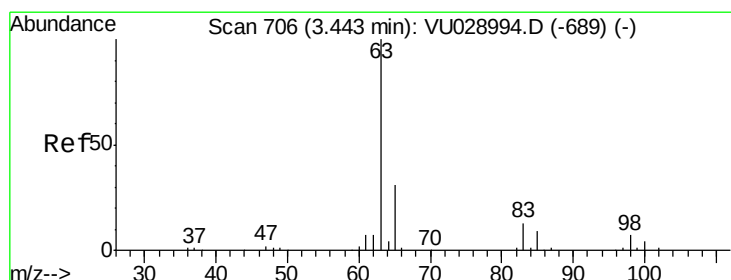
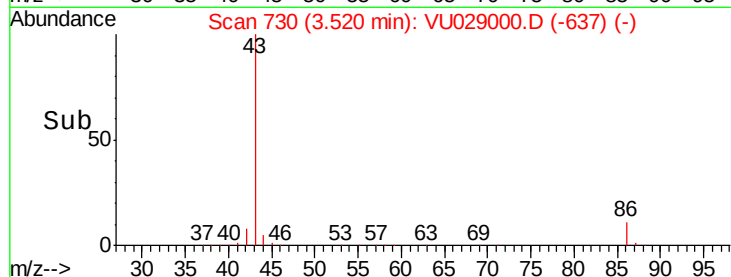
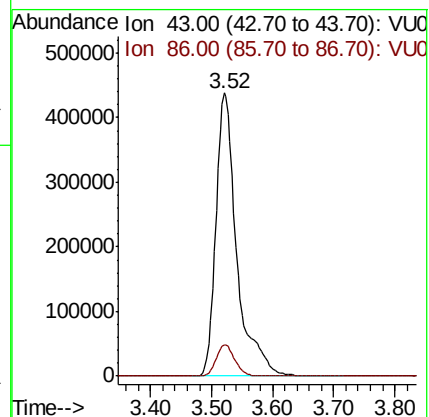
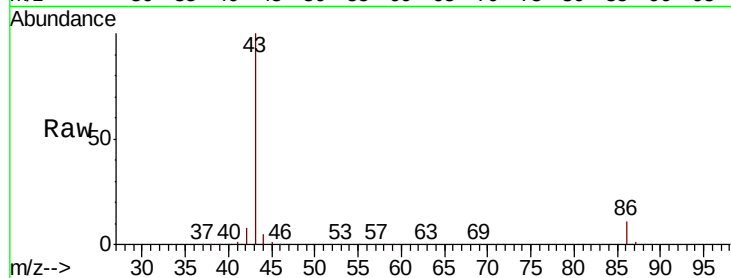
86 11.1 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 48.653 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

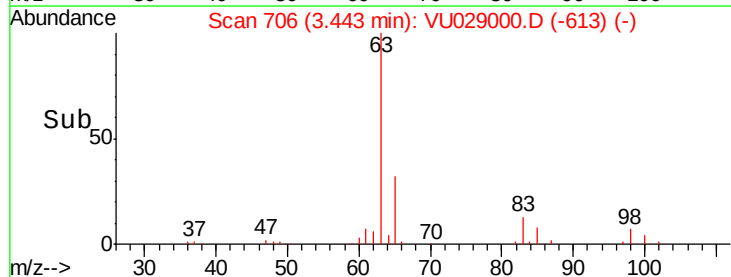
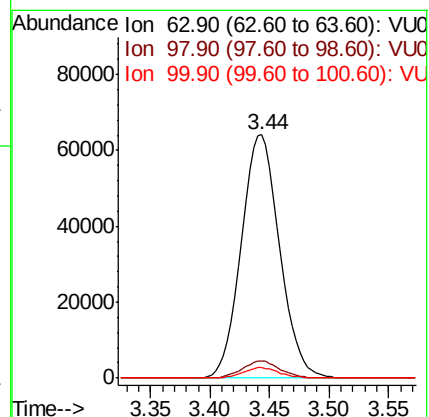
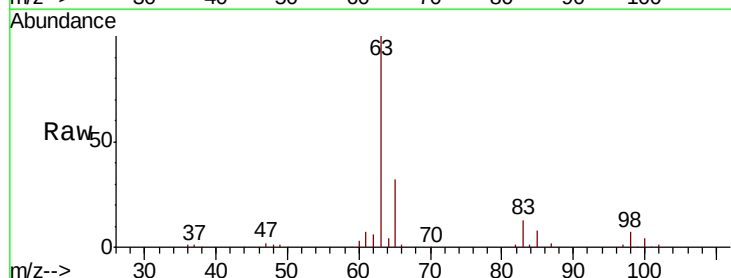
Tgt Ion: 63 Resp: 143165

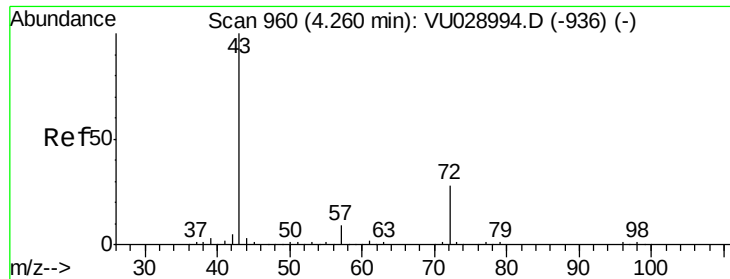
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 245.661 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 43 Resp: 350204

Ion Ratio Lower Upper

43 100

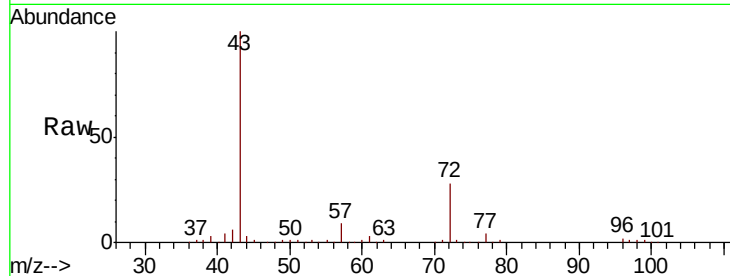
72 28.3 22.6 33.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU028994.D (-936) (-)

4.26

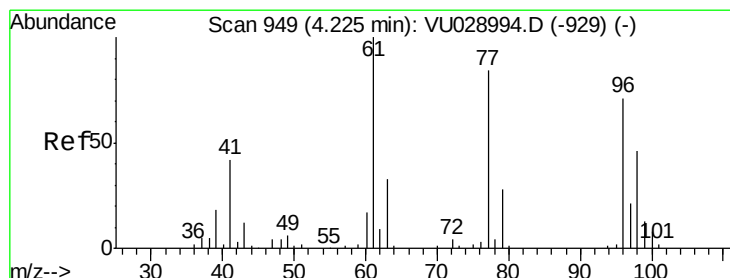
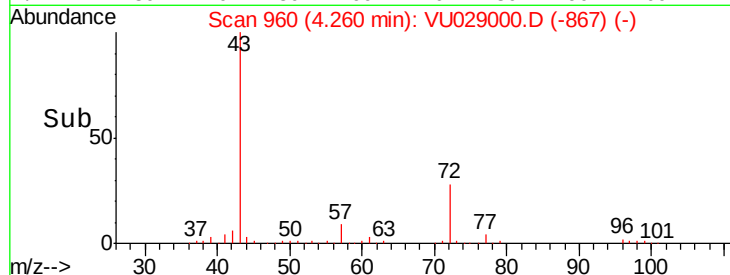
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 49.402 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU029000.D

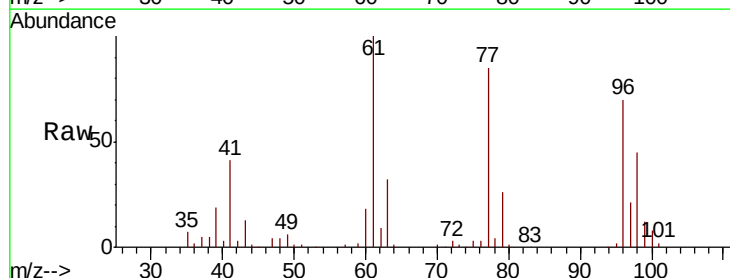
Acq: 03 Jan 2019 16:18

Tgt Ion: 77 Resp: 117462

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028994.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU028994.D (-929) (-)

4.22

50000

40000

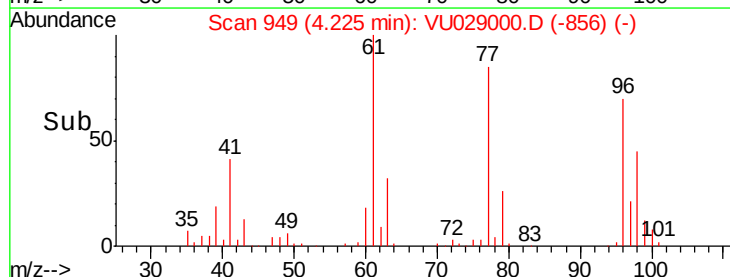
30000

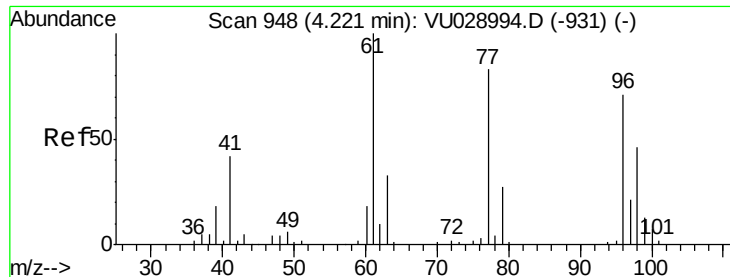
20000

10000

0

Time--> 4.10 4.20 4.30





#27

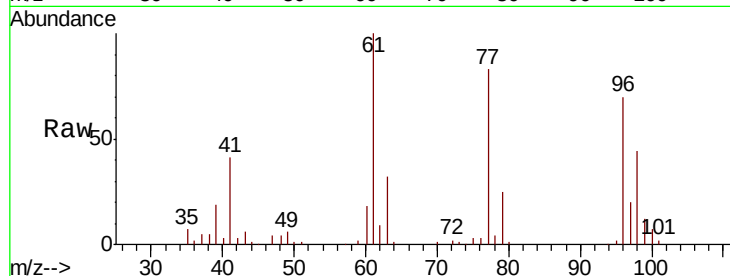
cis-1,2-Dichloroethene
Concen: 49.565 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	285.6
98	63.7	0.0	130.2

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1/4/2019 9:51:16 AM

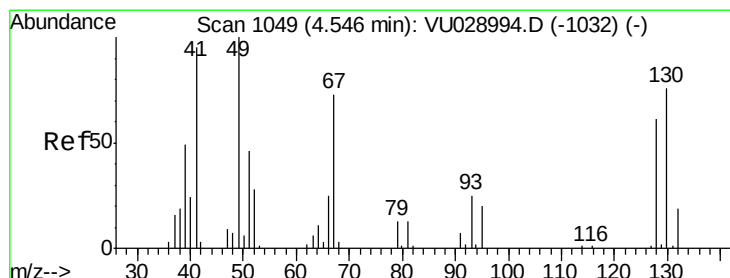
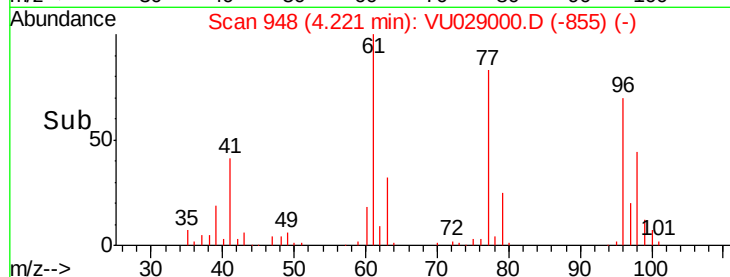
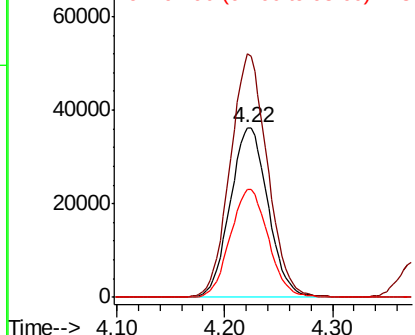


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

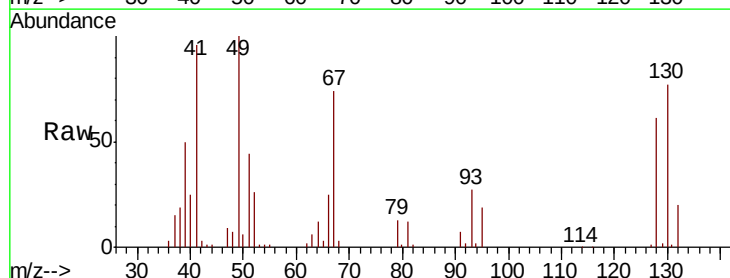
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 48.752 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	77.7	62.9	94.3

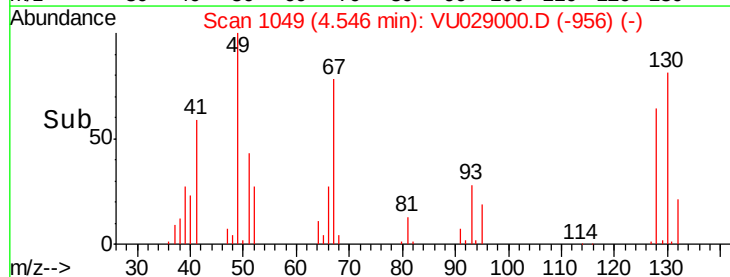
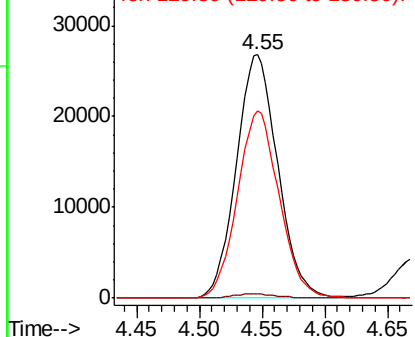


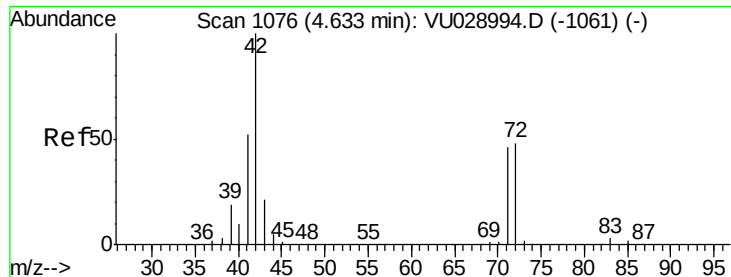
Abundance

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





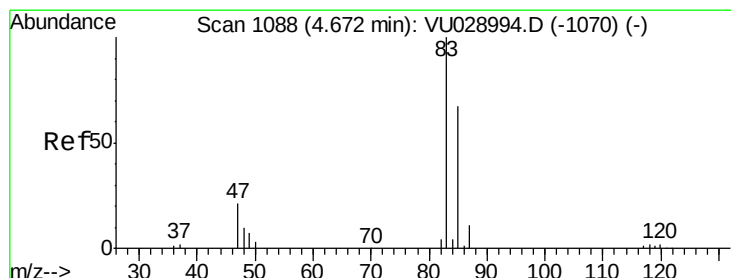
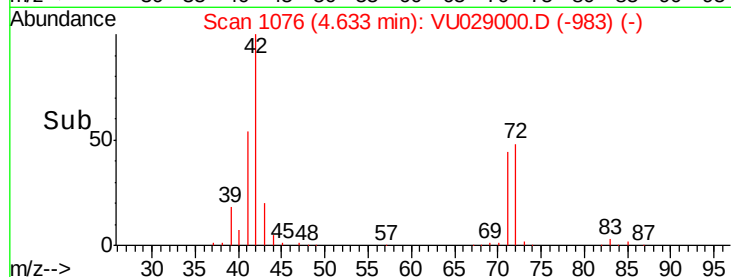
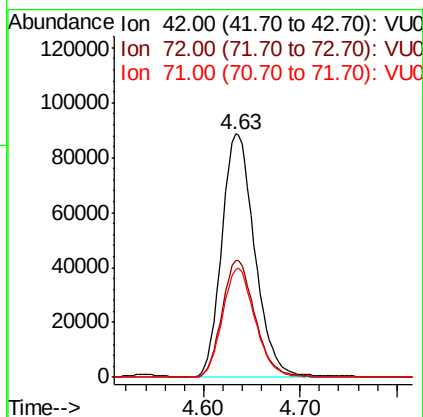
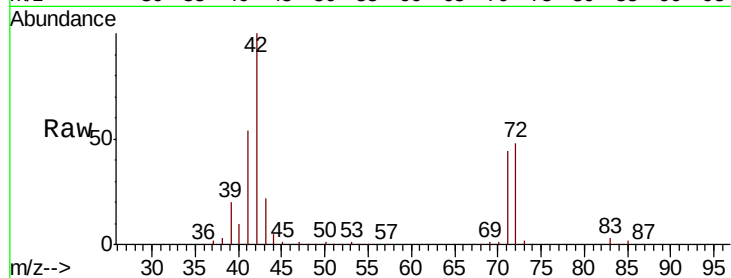
#29
Tetrahydrofuran
Concen: 242.019 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.3	57.5
71	44.3	36.1	54.1

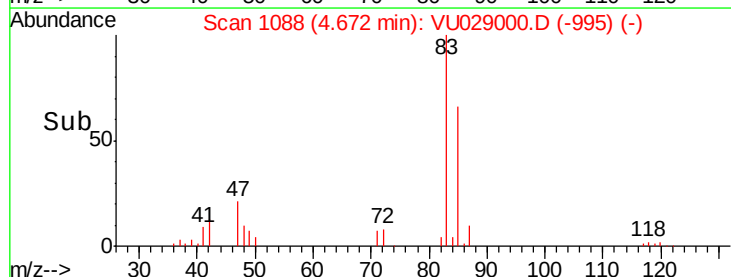
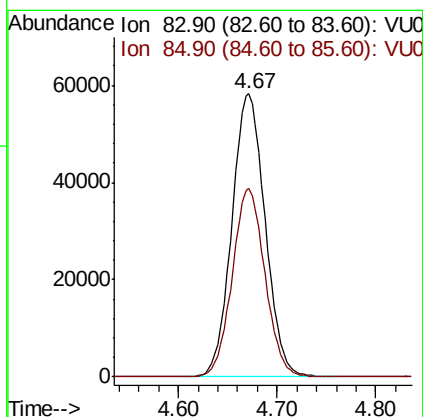
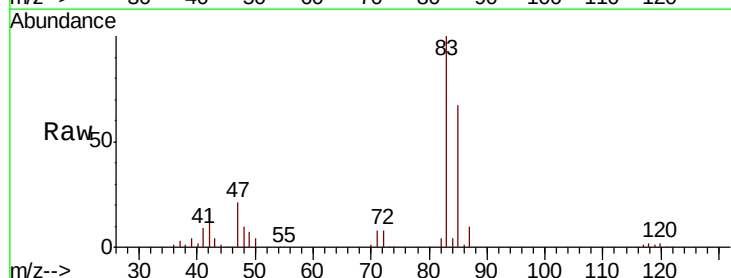
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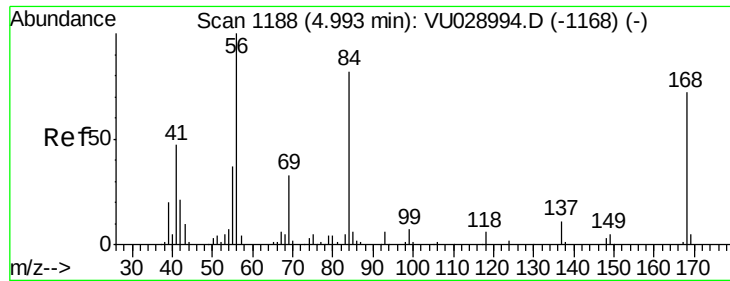
MMDadoda
1/4/2019 9:51:16 AM



#30
Chloroform
Concen: 48.645 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.4	80.0





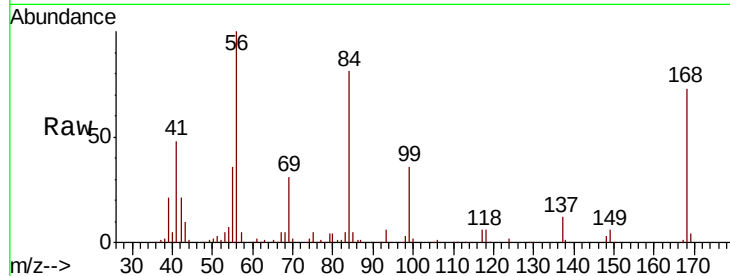
#31
Cyclohexane
Concen: 49.756 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

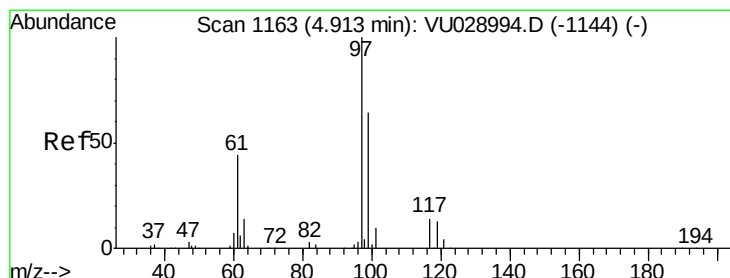
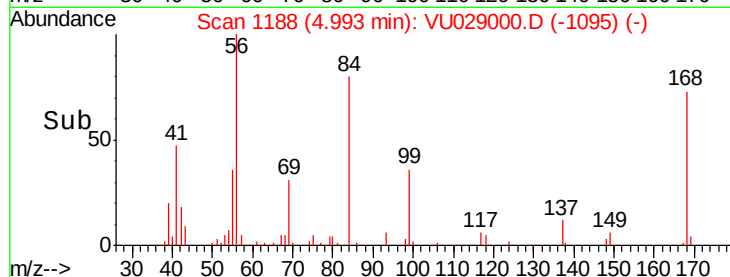
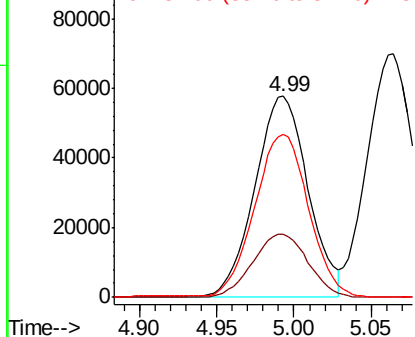
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.7	40.1
84	80.7	65.7	98.5

Manual Integrations
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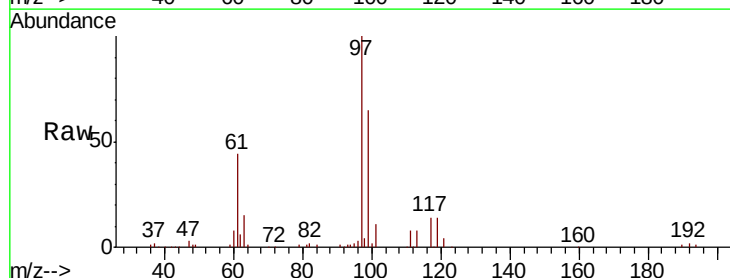


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

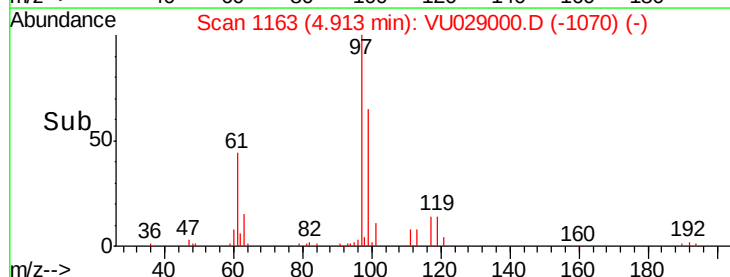
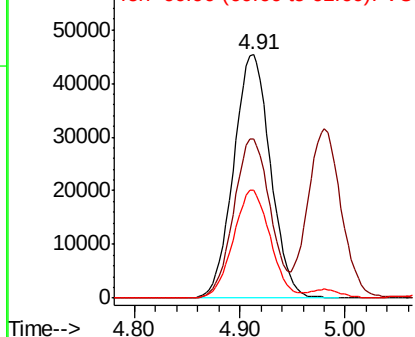


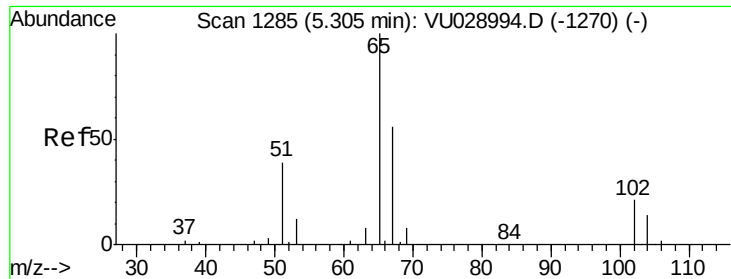
#32
1,1,1-Trichloroethane
Concen: 47.534 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.4
61	44.5	34.4	51.6



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





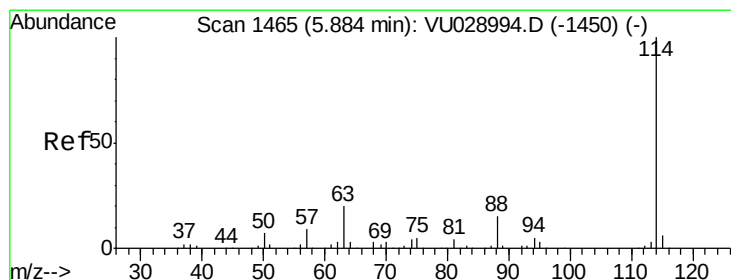
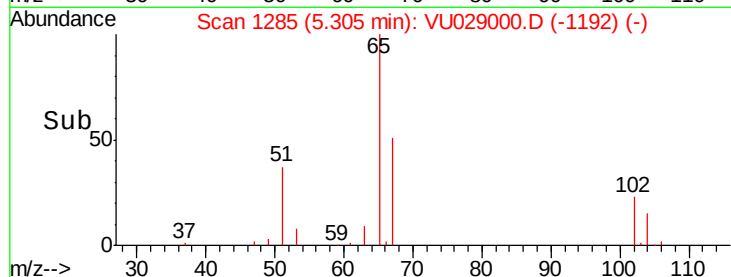
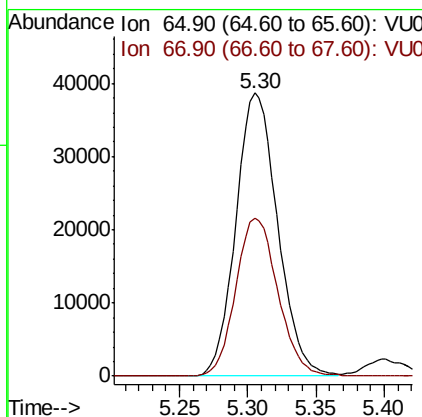
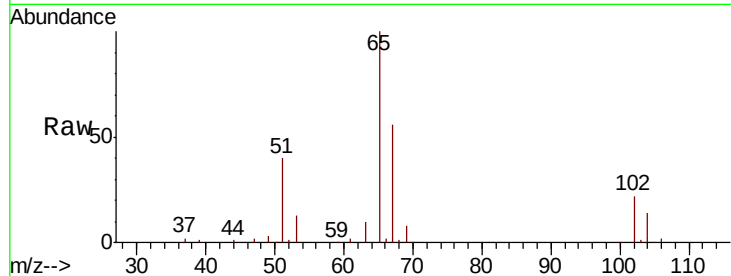
#33
 1,2-Dichloroethane-d4
 Concen: 49.167 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	111.0

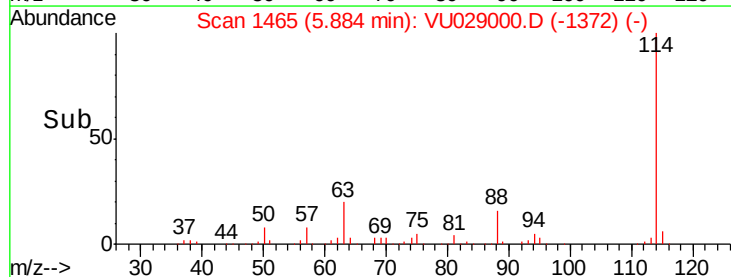
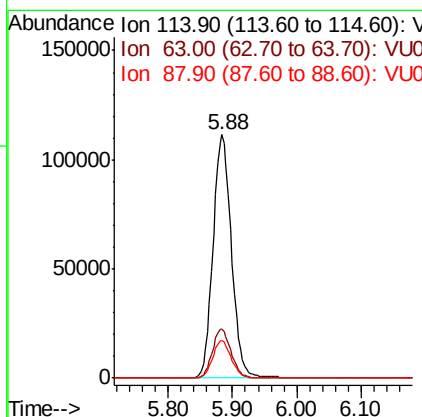
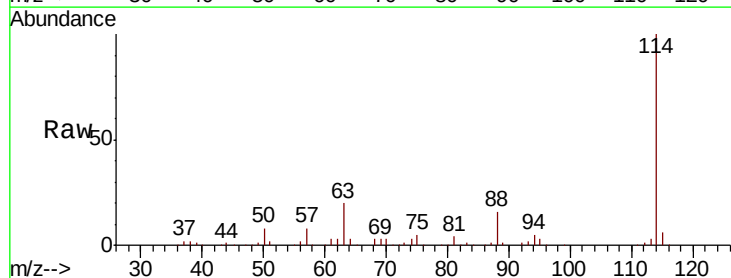
Manual Integrations
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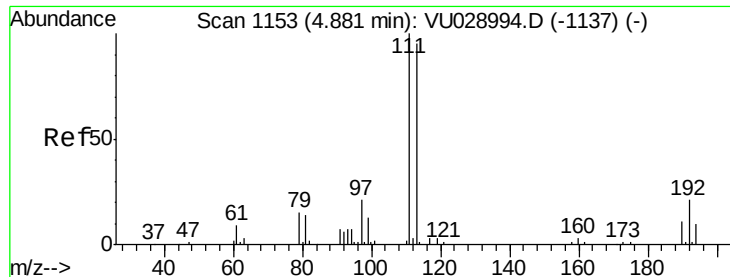
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 1/4/2019 9:51:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.5	0.0	30.4





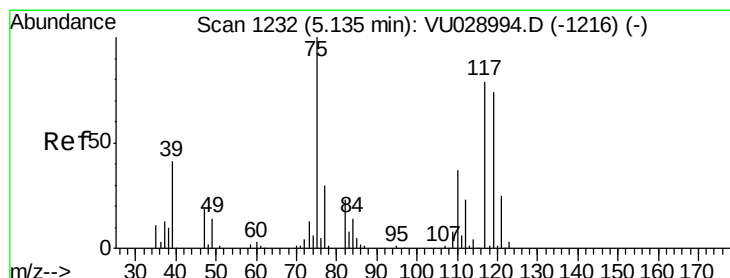
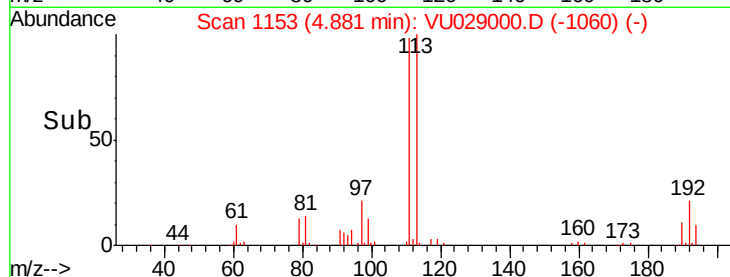
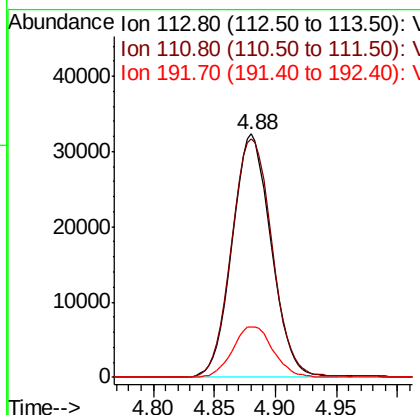
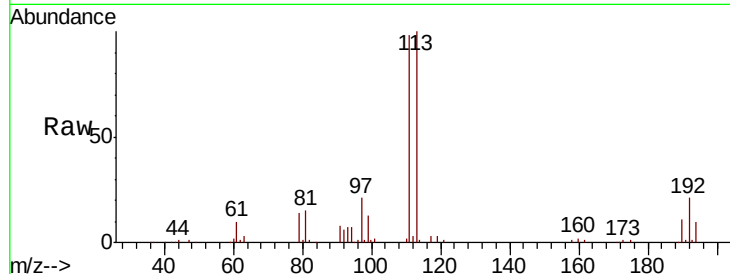
#35
 Dibromofluoromethane
 Concen: 49.972 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	71605		
111	101.9	81.4	122.2	
192	21.5	16.8	25.2	

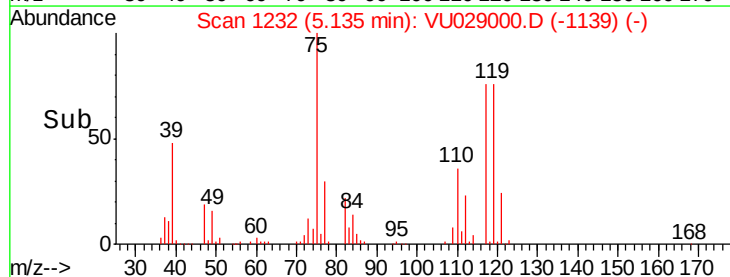
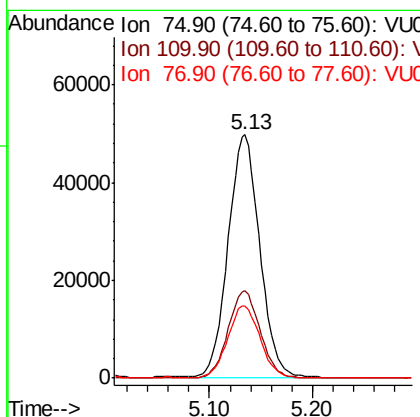
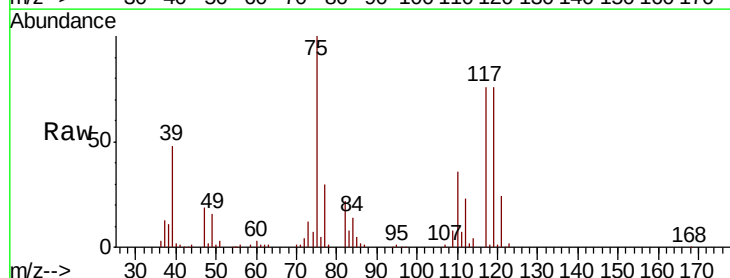
Manual Integrations
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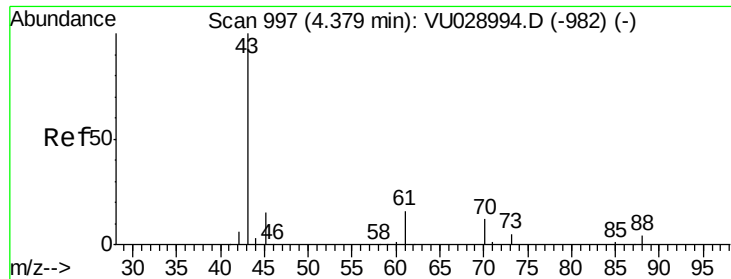
MMDadoda
 1/4/2019 9:51:16 AM



#36
 1,1-Dichloropropene
 Concen: 47.892 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105816		
110	36.4	18.4	55.4	
77	30.8	25.1	37.7	





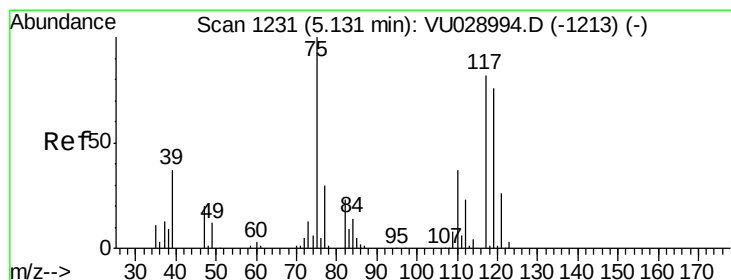
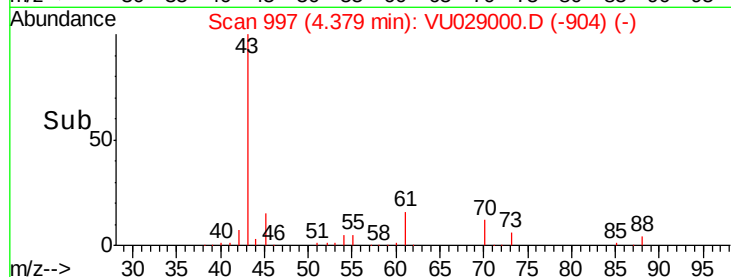
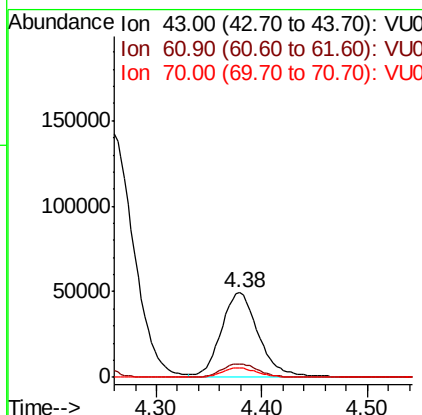
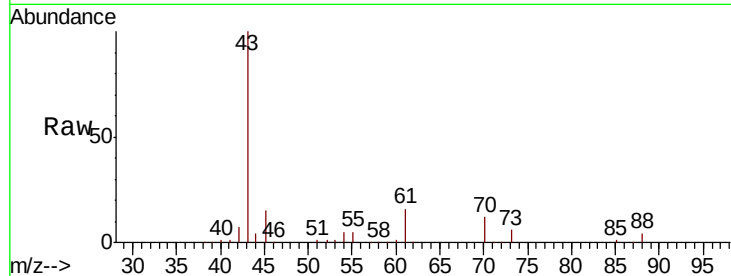
#37
Ethyl Acetate
Concen: 48.914 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.6	18.8
70	11.2	9.3	13.9

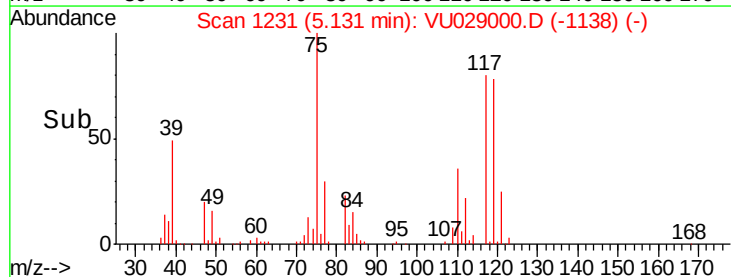
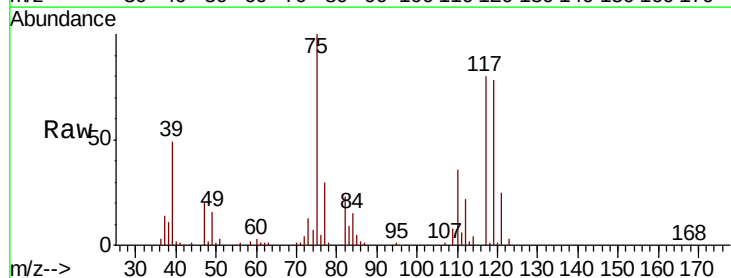
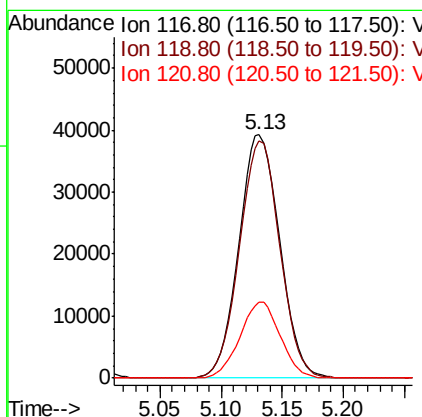
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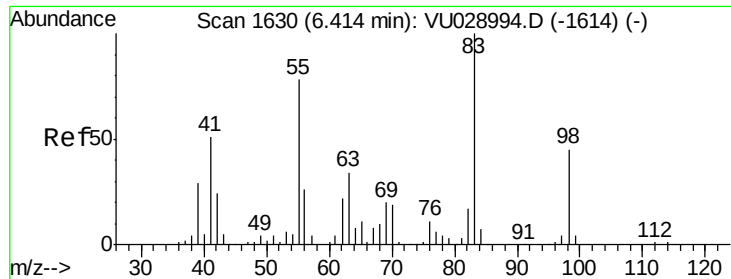
MMDadoda
1/4/2019 9:51:16 AM



#38
Carbon Tetrachloride
Concen: 49.301 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.6	111.8
121	31.0	25.0	37.6





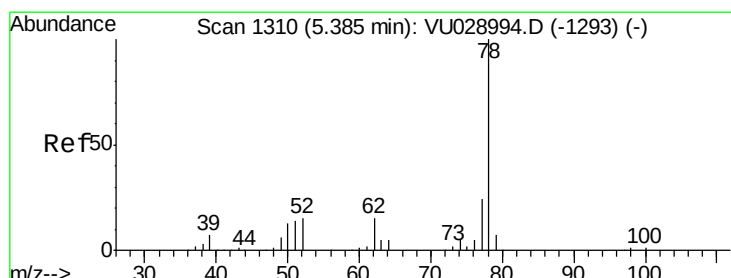
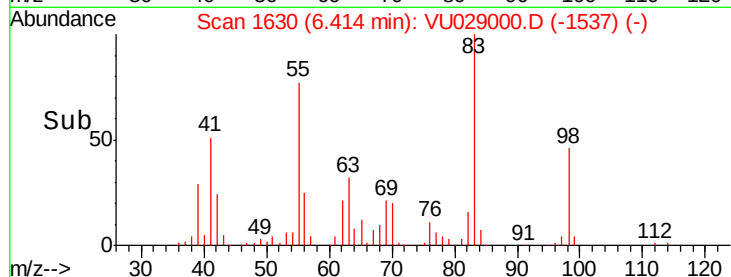
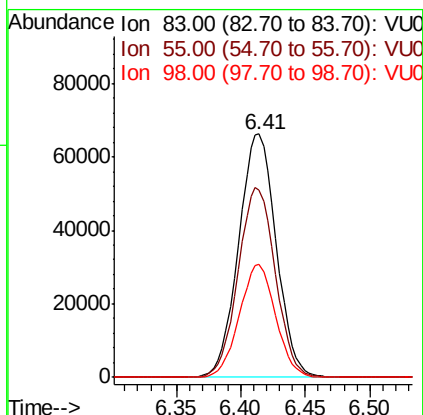
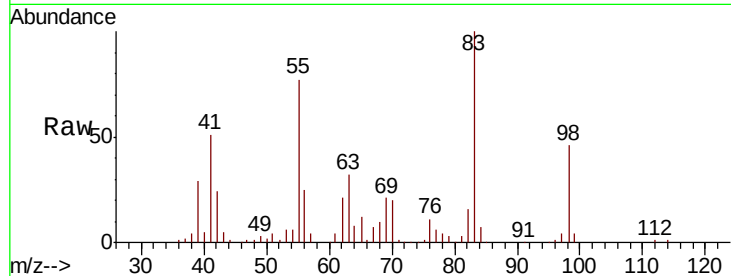
#39
Methylcyclohexane
Concen: 49.422 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.4	93.6
98	46.2	36.2	54.2

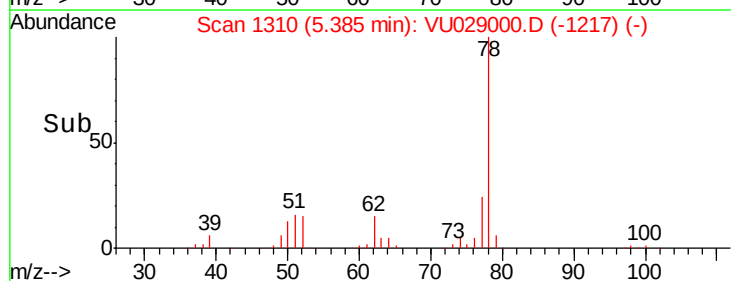
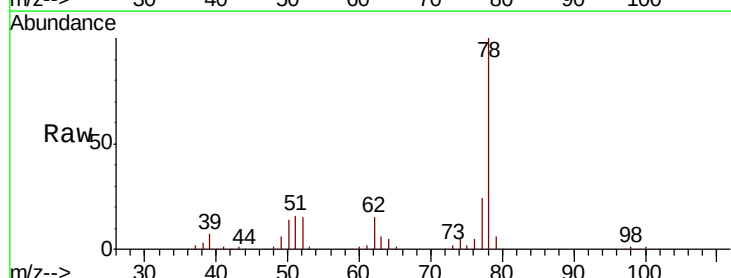
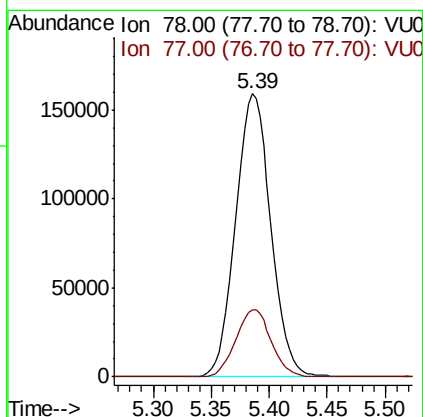
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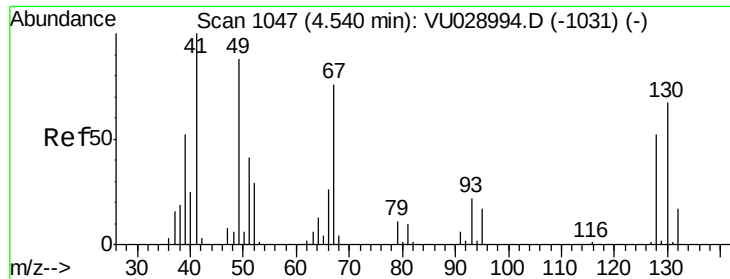
MMDadoda
1/4/2019 9:51:16 AM



#40
Benzene
Concen: 48.538 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





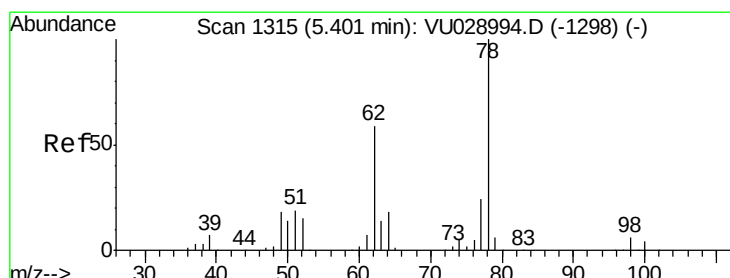
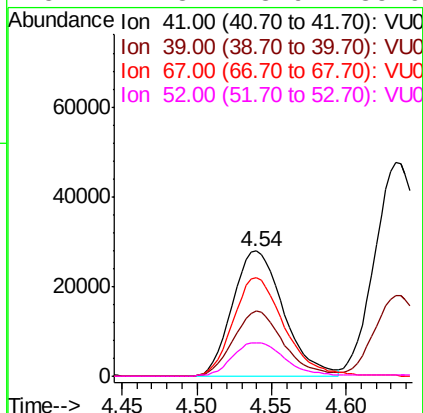
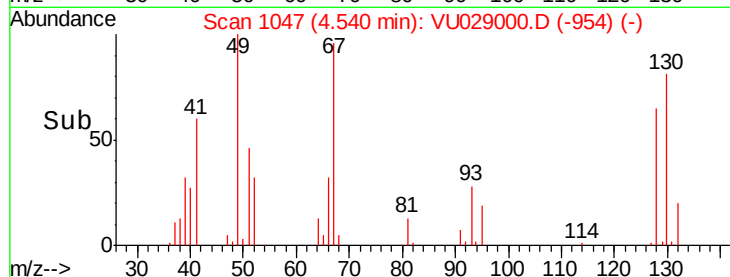
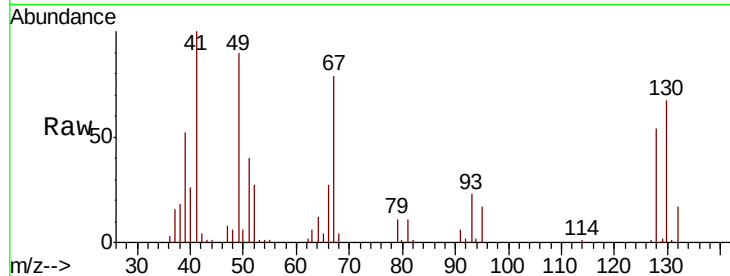
#41
Methacrylonitrile
Concen: 51.289 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.3	63.5
67	79.2	64.4	96.6
52	27.8	23.9	35.9

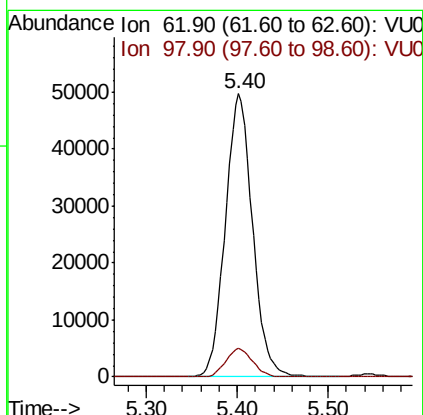
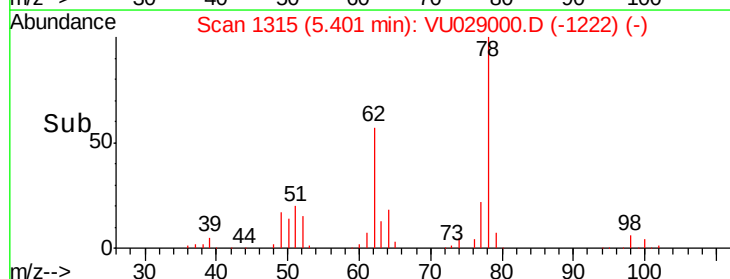
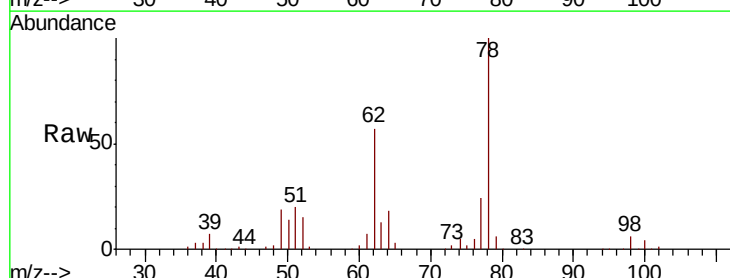
Manual Integrations
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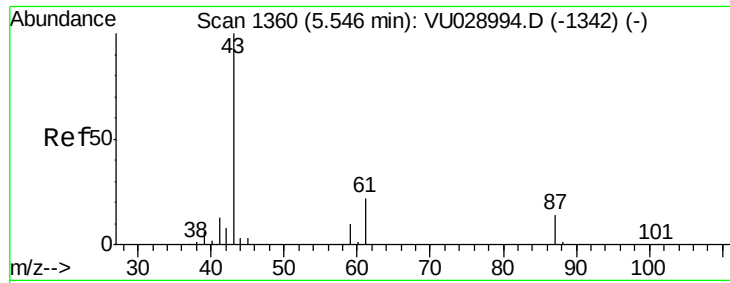
MMDadoda
1/4/2019 9:51:16 AM



#42
1,2-Dichloroethane
Concen: 49.878 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





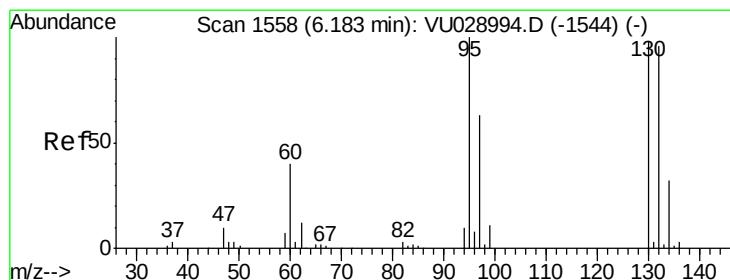
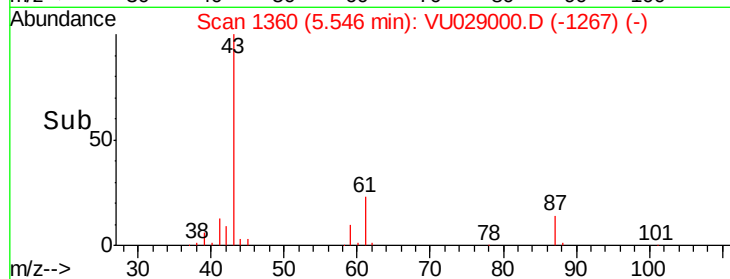
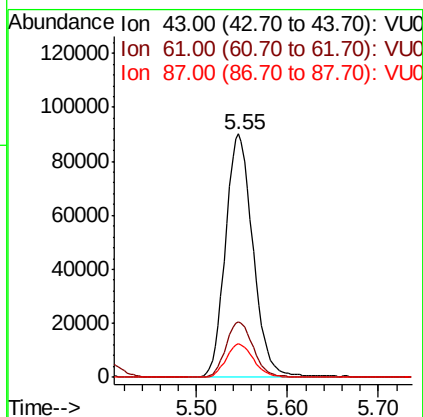
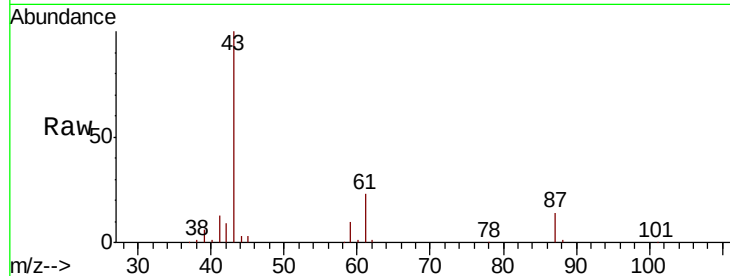
#43
Isopropyl Acetate
Concen: 50.709 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.7	17.8	26.6
87	13.7	11.3	16.9

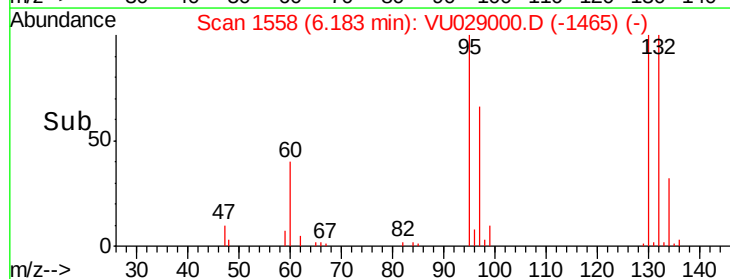
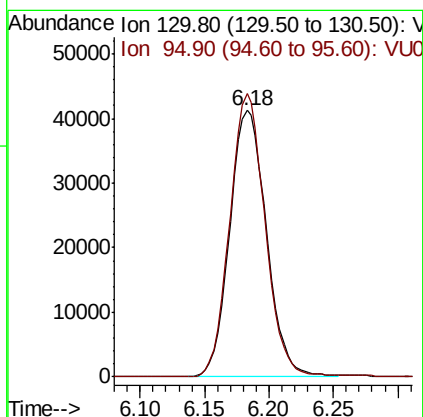
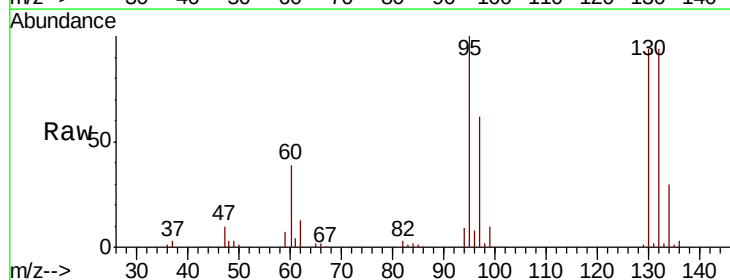
Manual Integrations
APPROVED

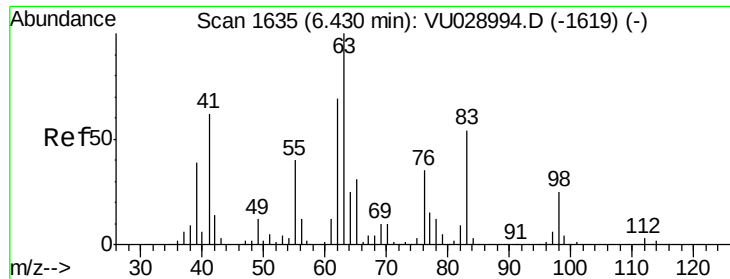
MMDadoda
1/4/2019 9:51:16 AM



#44
Trichloroethene
Concen: 47.833 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	205.0





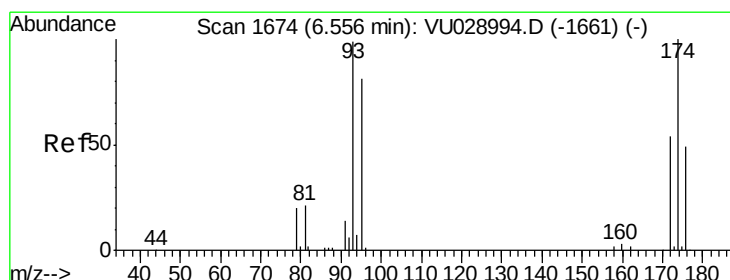
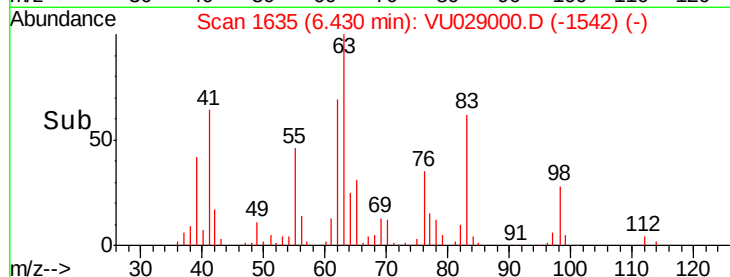
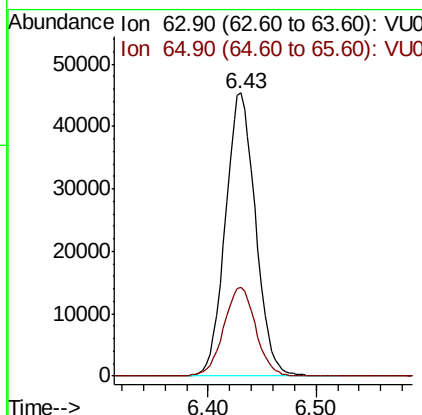
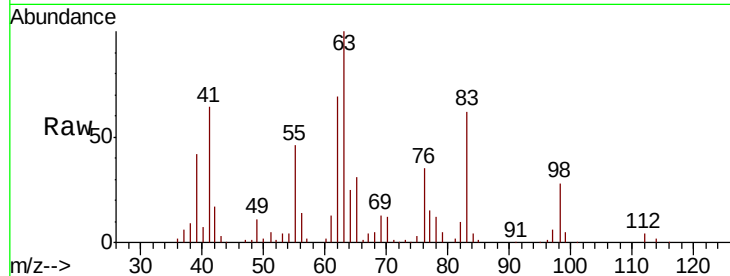
#45
 1,2-Dichloropropane
 Concen: 48.543 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion: 63 Resp: 88349
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.1 37.7

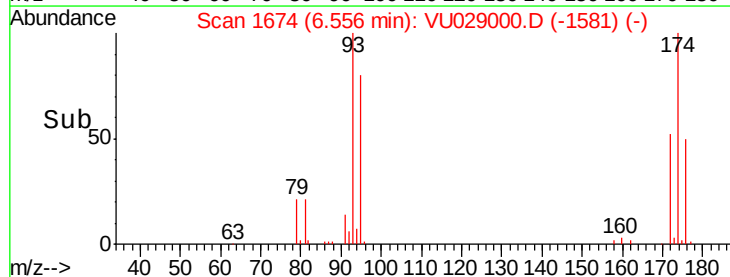
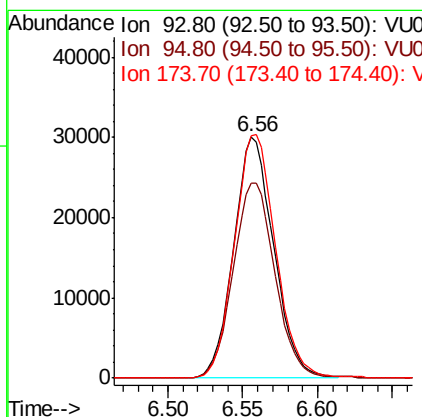
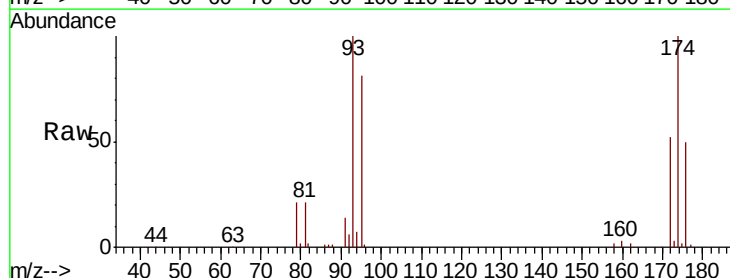
Manual Integrations
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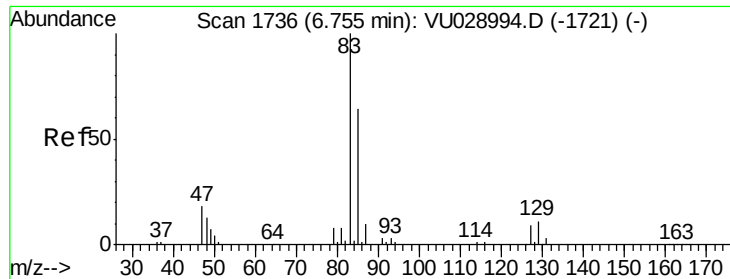
MMDadoda
 1/4/2019 9:51:16 AM



#46
 Dibromomethane
 Concen: 48.201 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion: 93 Resp: 56080
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.2 100.8
 174 103.9 82.6 123.8





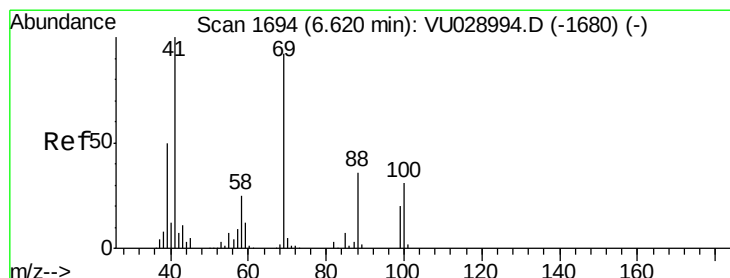
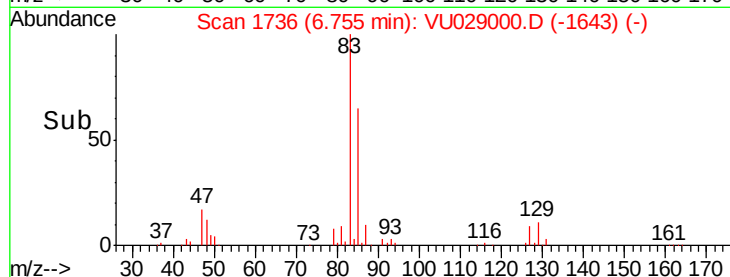
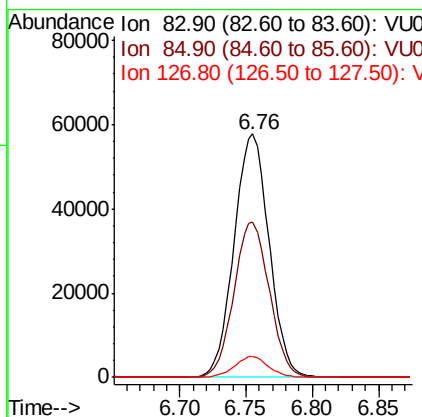
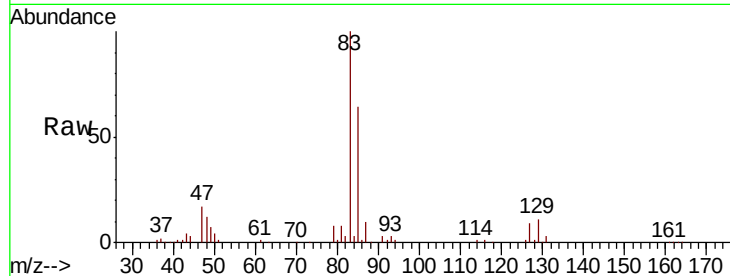
#47
Bromodichloromethane
Concen: 49.499 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	106034		
85	63.7	51.4	77.2	
127	8.6	7.0	10.4	

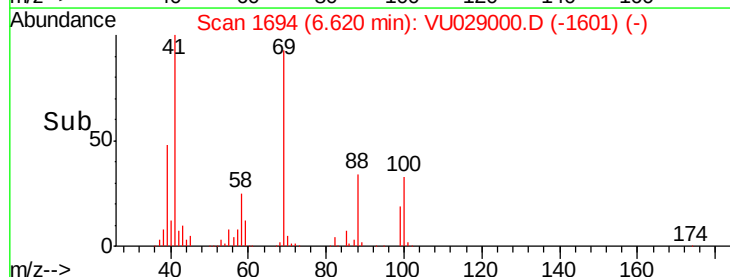
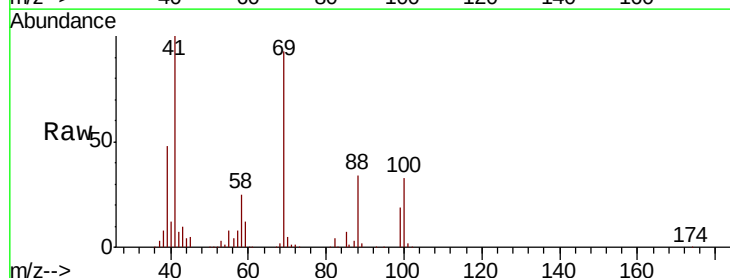
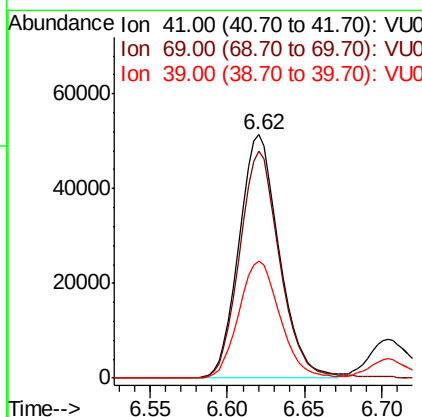
Manual Integrations
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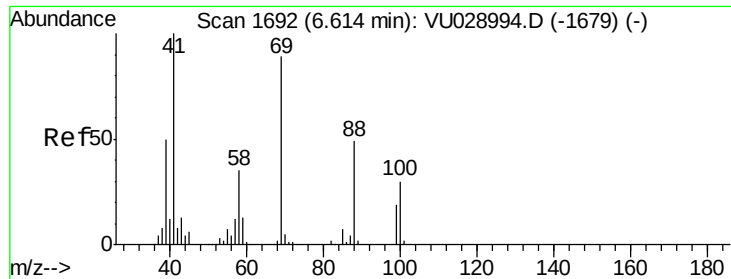
MMDadoda
1/4/2019 9:51:16 AM



#48
Methyl methacrylate
Concen: 51.300 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	92931		
69	93.8	73.6	110.4	
39	49.4	39.6	59.4	





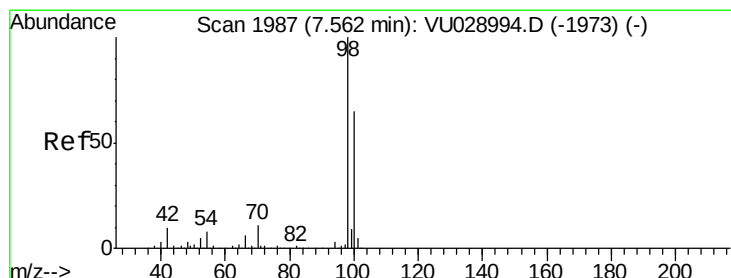
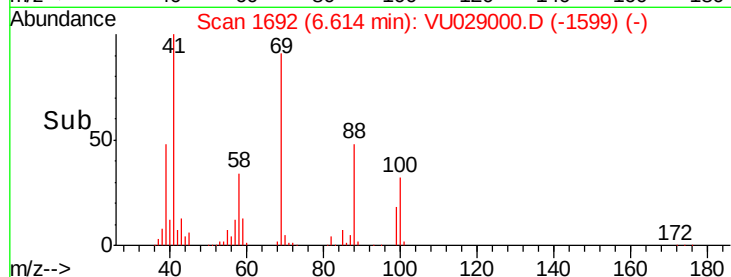
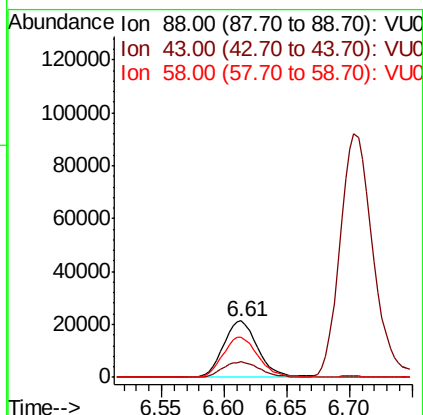
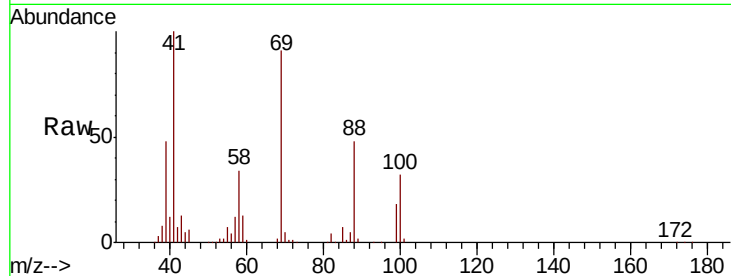
#49
1,4-Dioxane
Concen: 959.392 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.0	34.4
58	72.3	57.9	86.9

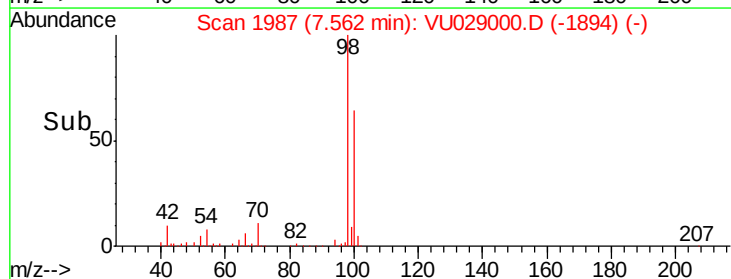
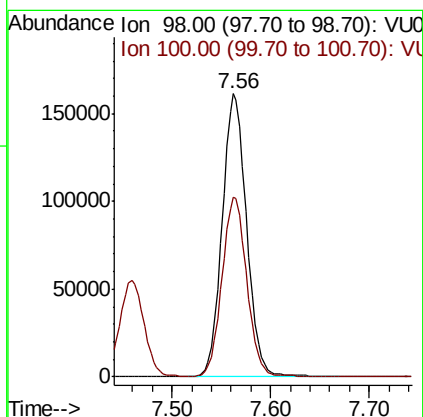
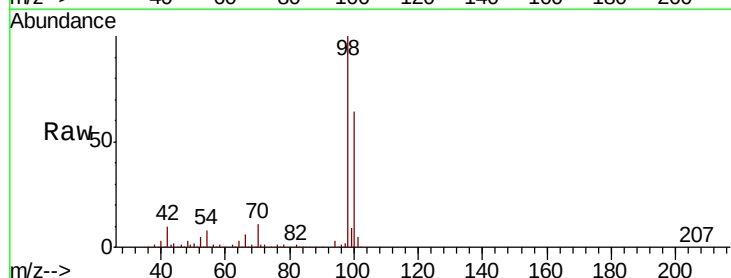
Manual Integrations
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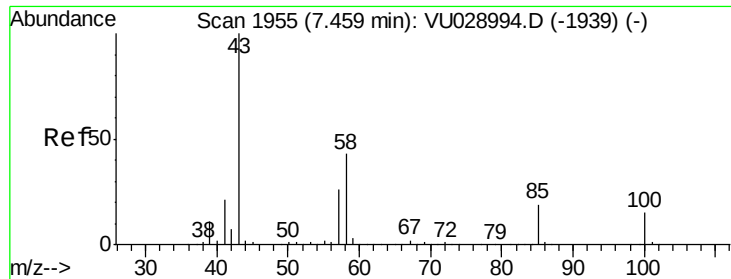
MMDadoda
1/4/2019 9:51:16 AM



#50
Toluene-d8
Concen: 49.687 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 245.501 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 43 Resp: 621584

Ion Ratio Lower Upper

43 100

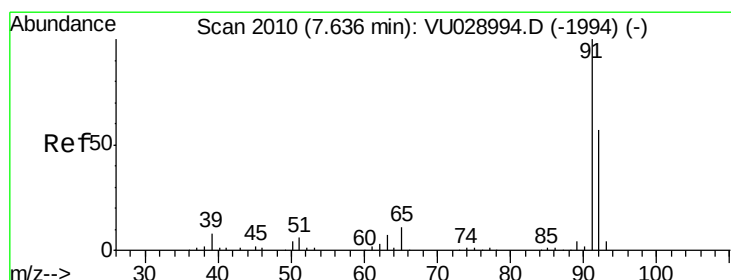
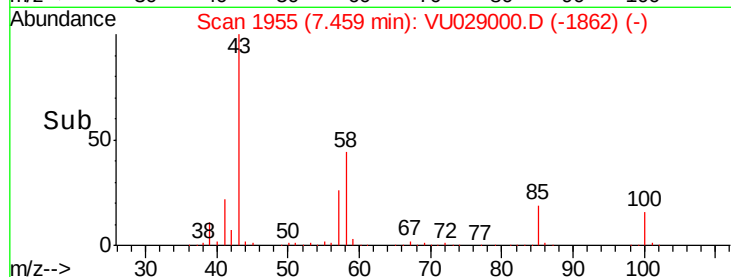
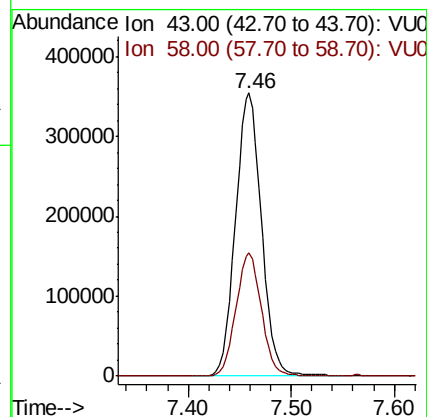
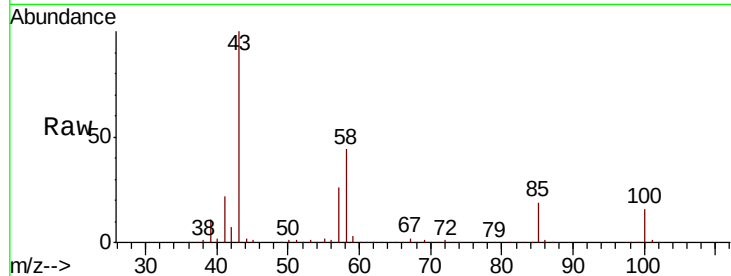
58 42.8 33.9 50.9

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 48.657 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU029000.D

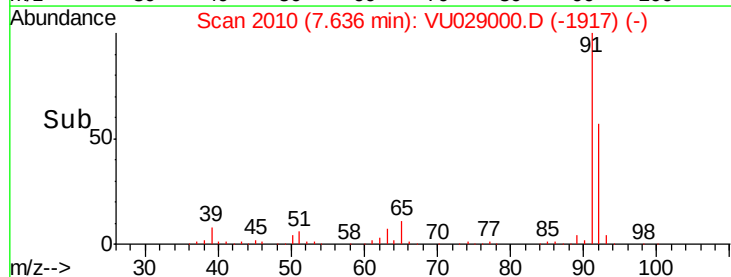
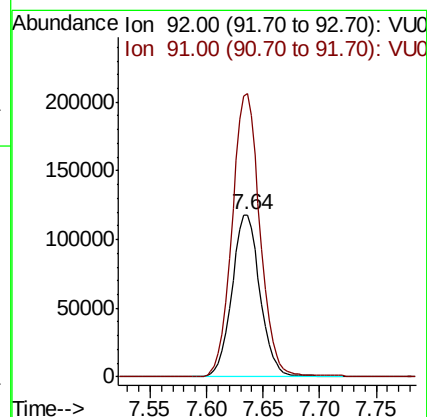
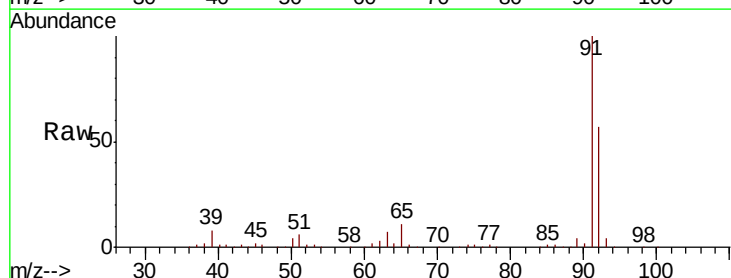
Acq: 03 Jan 2019 16:18

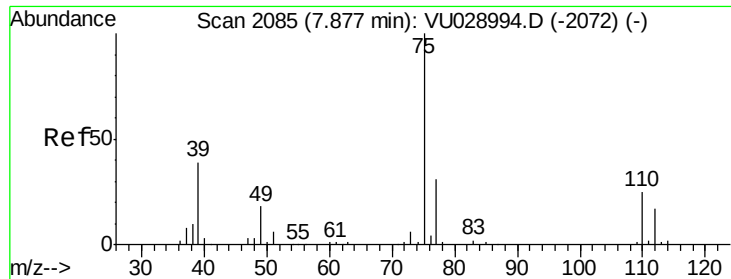
Tgt Ion: 92 Resp: 204149

Ion Ratio Lower Upper

92 100

91 174.2 139.8 209.8





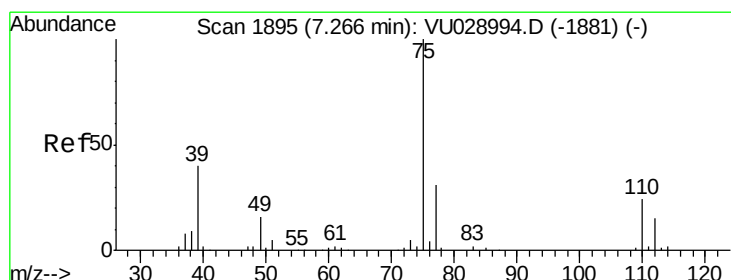
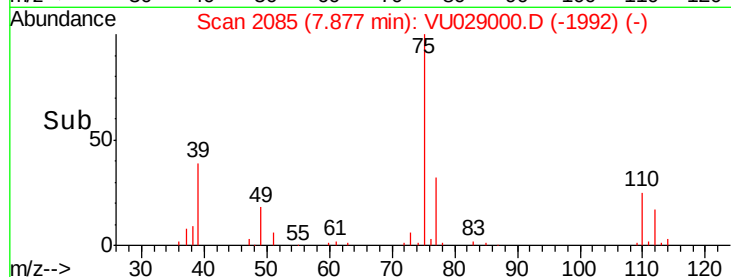
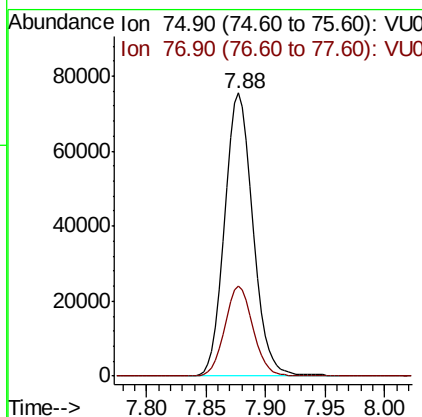
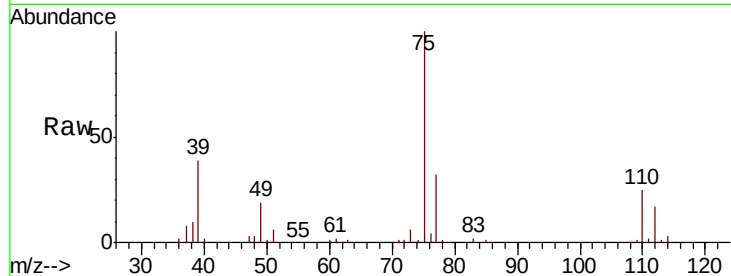
#53
t-1,3-Dichloropropene
Concen: 48.556 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 75 Resp: 124948
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4

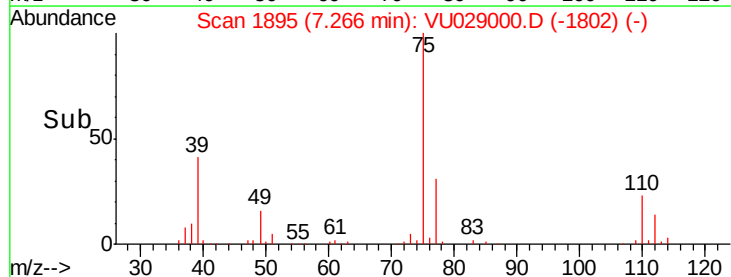
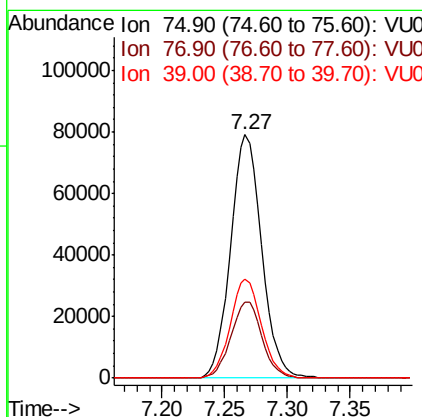
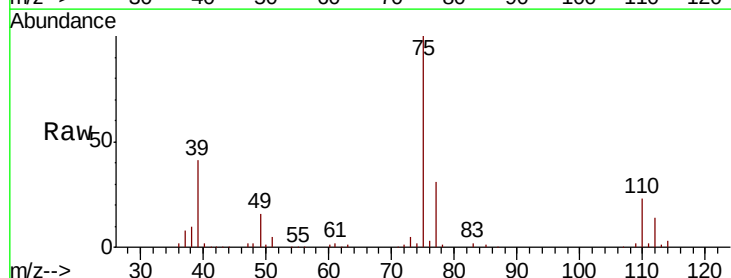
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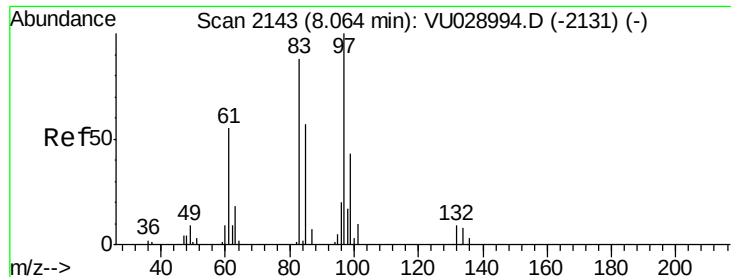
MMDadoda
1/4/2019 9:51:16 AM



#54
cis-1,3-Dichloropropene
Concen: 49.040 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 75 Resp: 136359
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 40.8 32.2 48.4





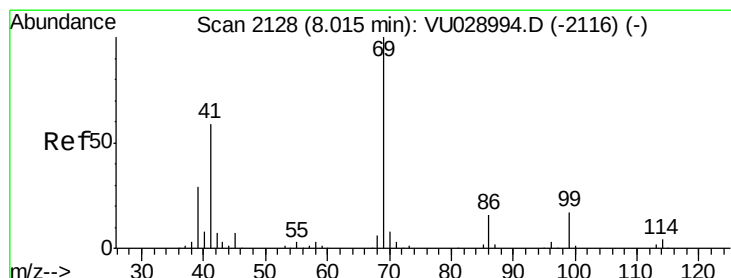
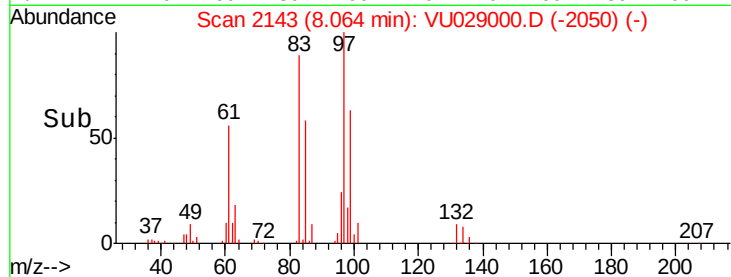
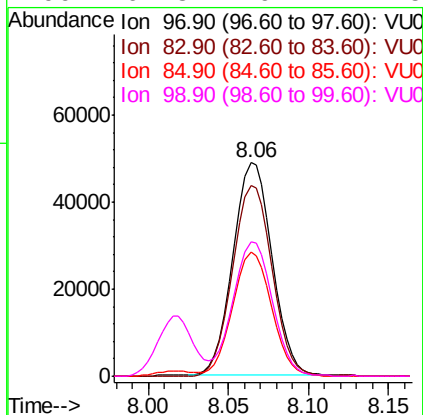
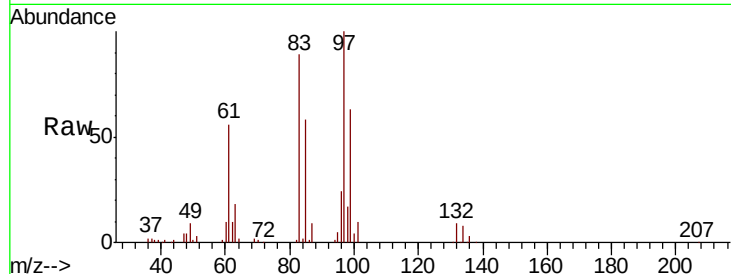
#55
1,1,2-Trichloroethane
Concen: 48.515 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Resp	Lower	Upper
97	100		
83	89.7	69.8	104.8
85	58.0	47.3	70.9
99	62.8	49.7	74.5

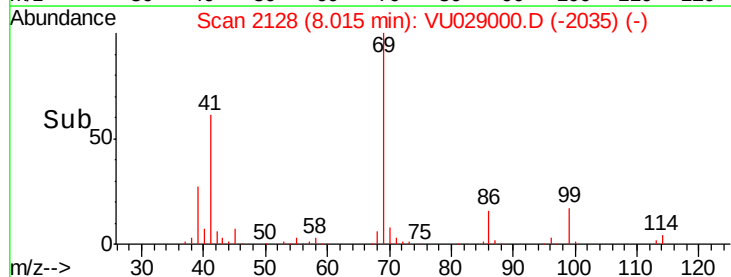
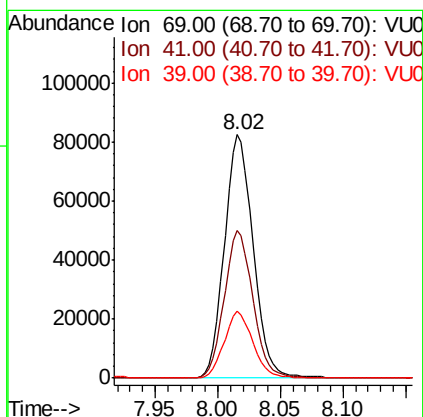
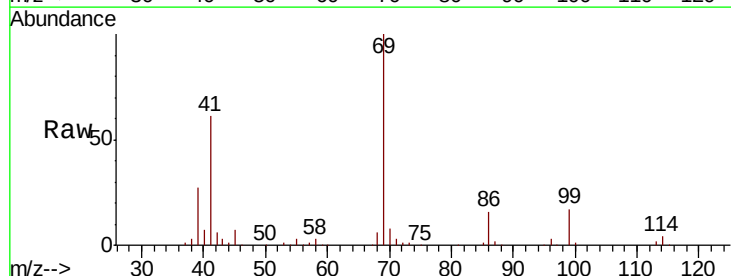
Manual Integrations
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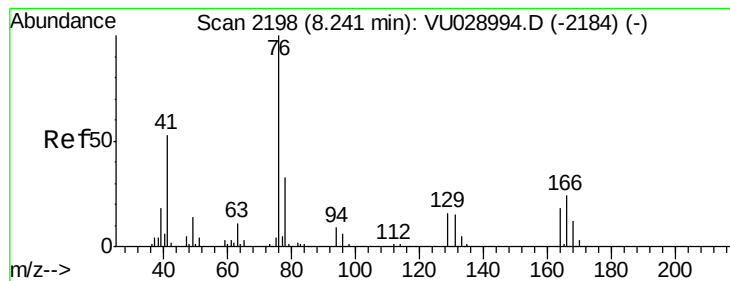
MMDadoda
1/4/2019 9:51:16 AM



#56
Ethyl methacrylate
Concen: 50.791 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Resp	Lower	Upper
69	100		
41	60.1	47.5	71.3
39	27.6	22.5	33.7





#57

1,3-Dichloropropane

Concen: 49.442 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 76 Resp: 142199

Ion Ratio Lower Upper

76 100

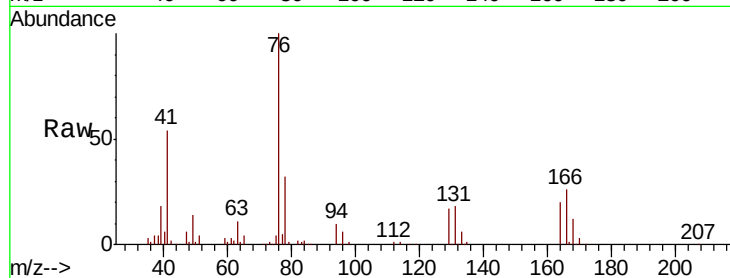
78 31.8 26.0 39.0

Manual Integrations

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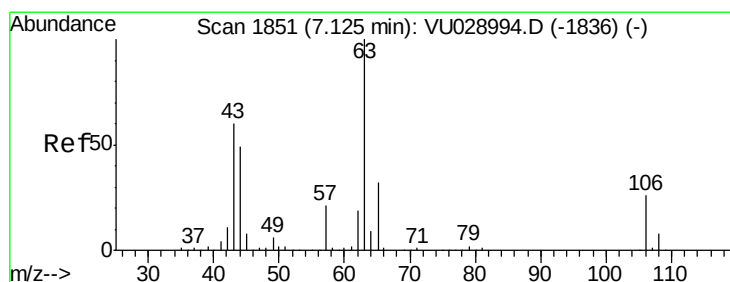
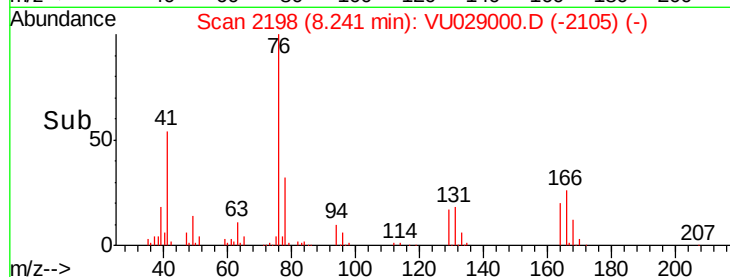
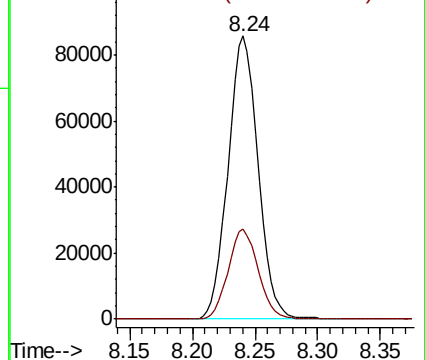
MMDadoda

1/4/2019 9:51:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 261.025 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU029000.D

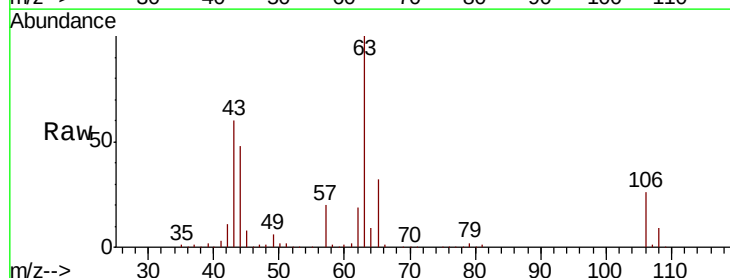
Acq: 03 Jan 2019 16:18

Tgt Ion: 63 Resp: 297259

Ion Ratio Lower Upper

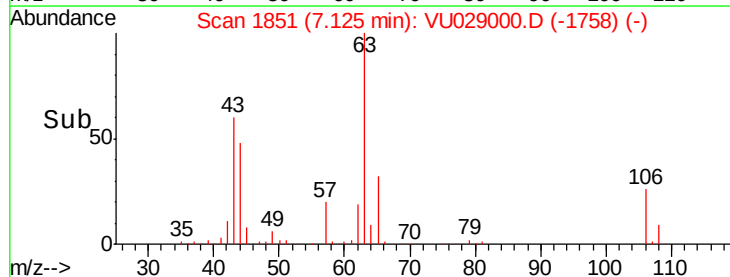
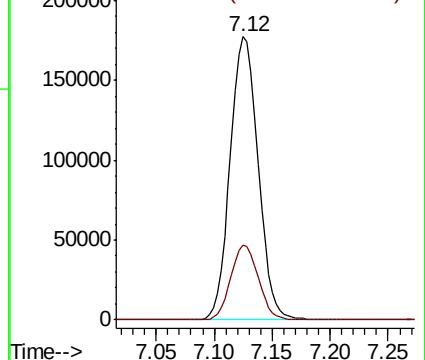
63 100

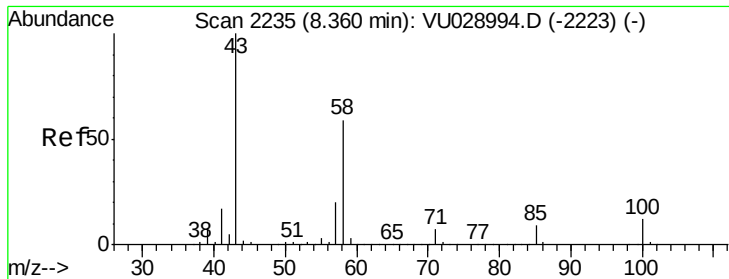
106 26.0 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





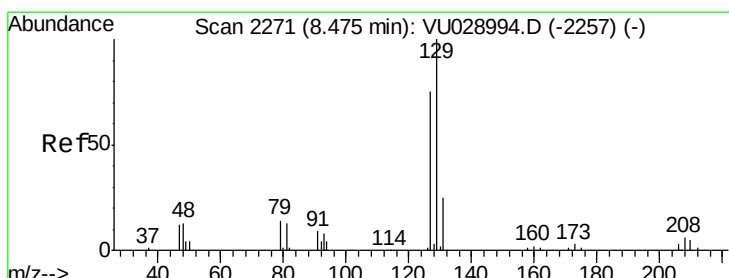
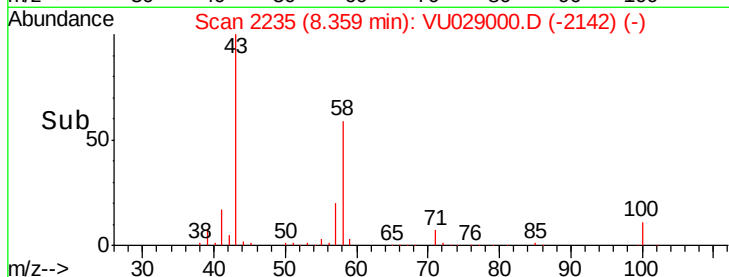
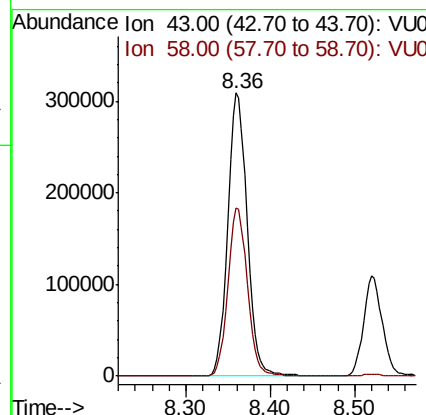
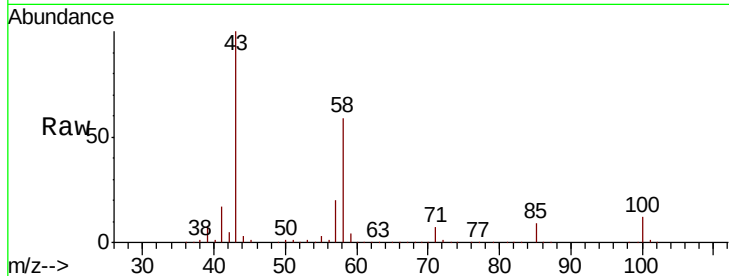
#59
2-Hexanone
Concen: 248.874 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 43 Resp: 494625
Ion Ratio Lower Upper
43 100
58 59.8 29.8 89.4

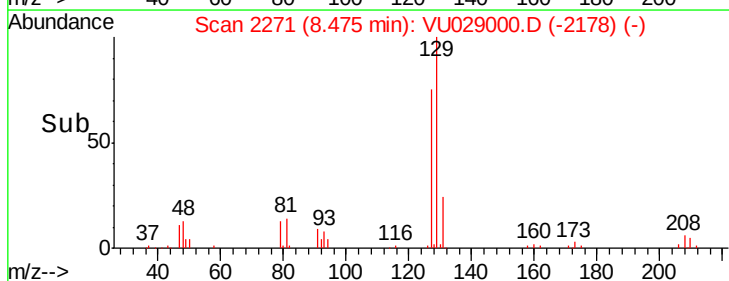
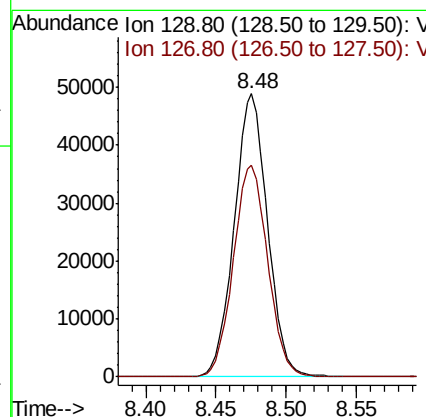
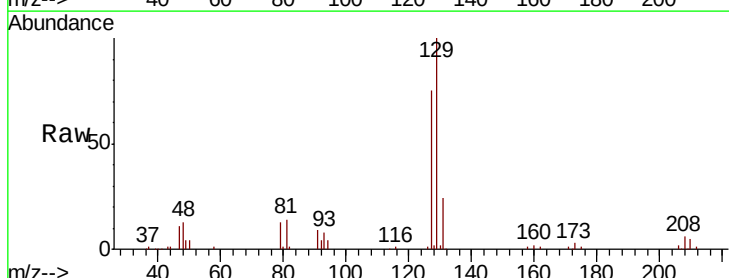
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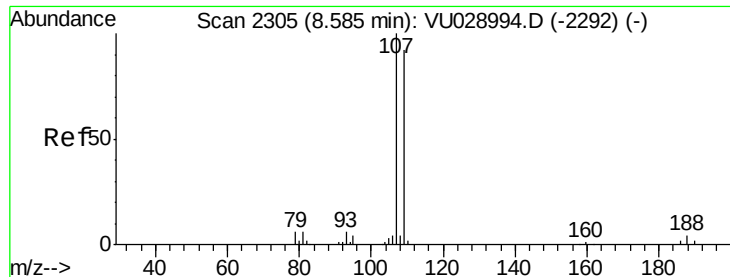
MMDadoda
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#60
Dibromochloromethane
Concen: 48.461 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 129 Resp: 80699
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.0





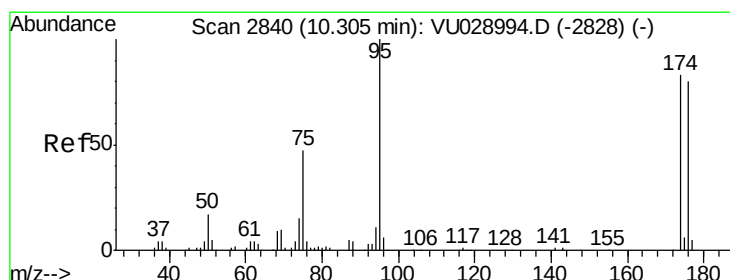
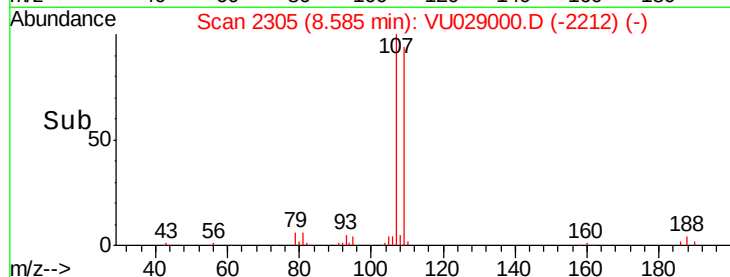
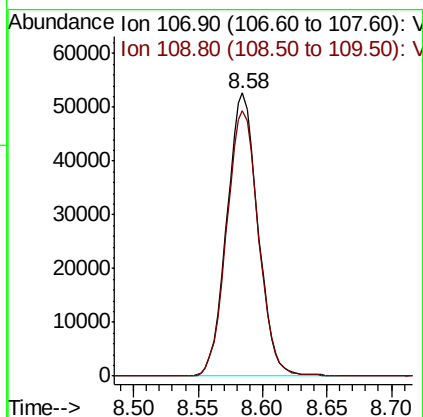
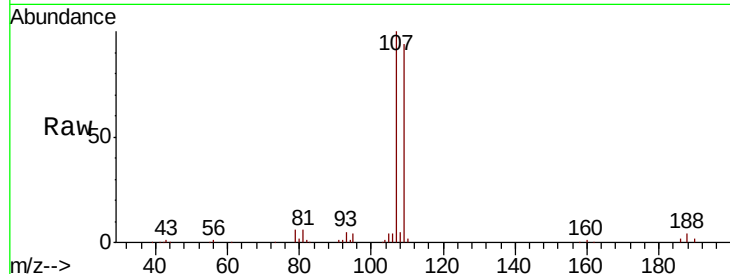
#61
 1,2-Dibromoethane
 Concen: 48.225 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion: 107 Resp: 87912
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.5 113.3

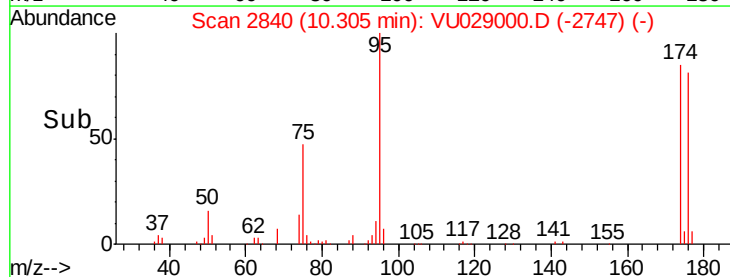
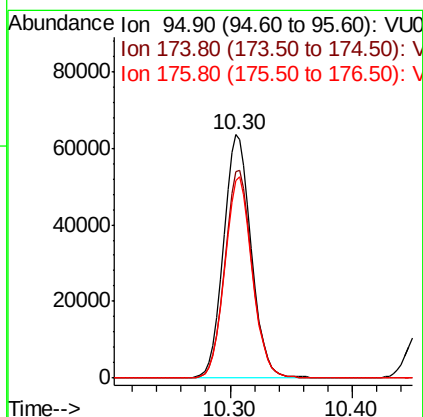
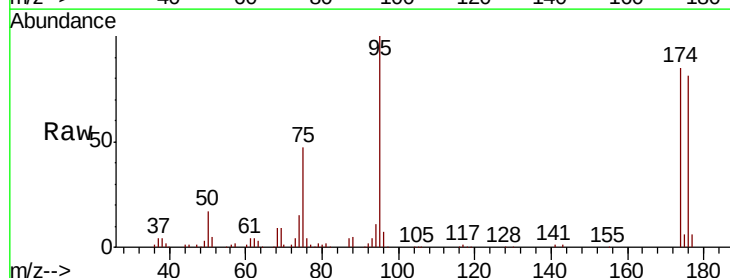
Manual Integrations
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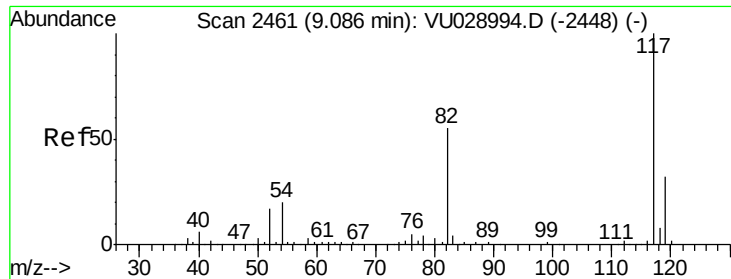
MMDadoda
 1/4/2019 9:51:16 AM



#62
 4-Bromofluorobenzene
 Concen: 49.828 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion: 95 Resp: 101299
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 170.6
 176 81.9 0.0 165.0





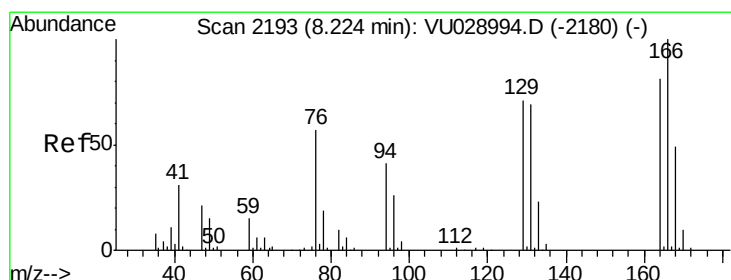
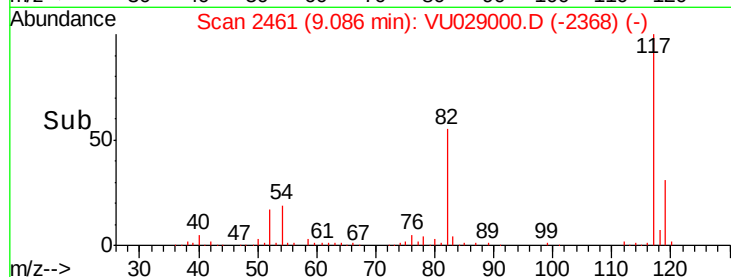
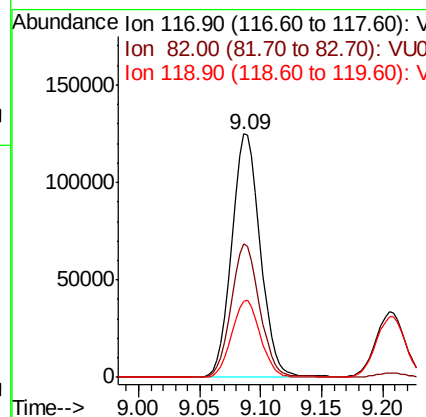
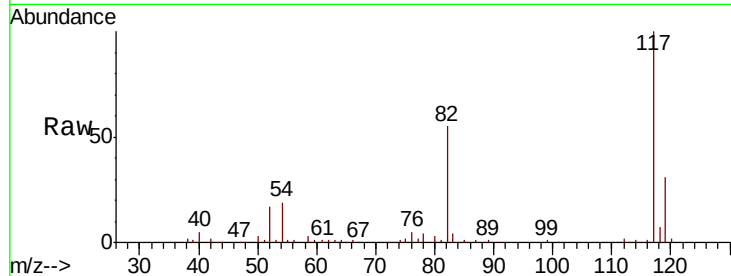
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	205542		
82	54.7	43.9	65.9	
119	31.2	26.0	39.0	

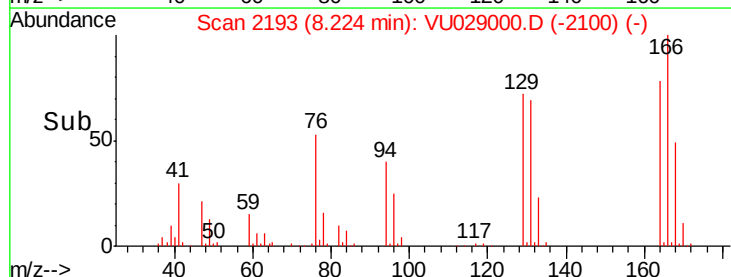
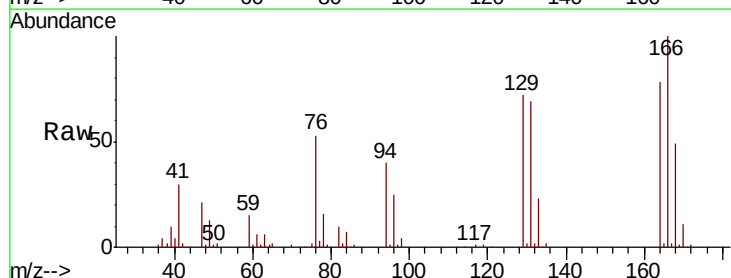
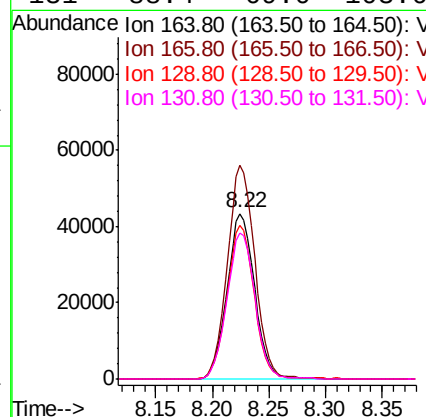
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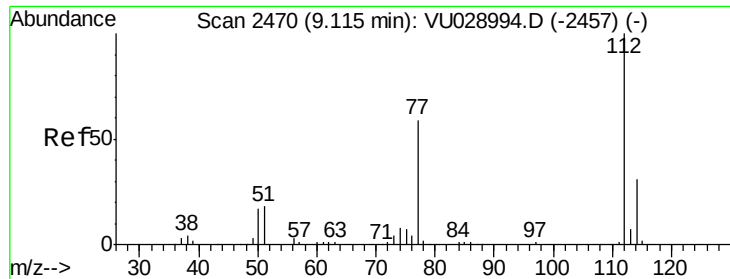
MMDadoda
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#64
Tetrachloroethene
Concen: 49.834 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73785		
166	128.9	99.4	149.0	
129	93.0	70.5	105.7	
131	88.4	69.0	103.6	





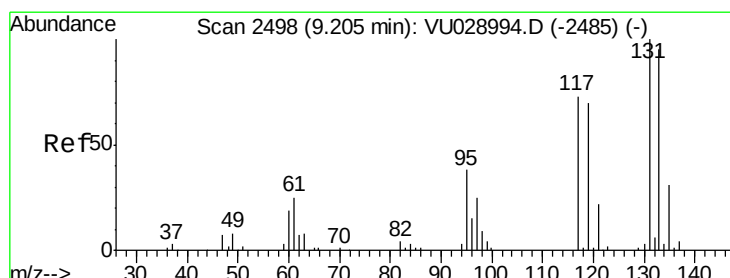
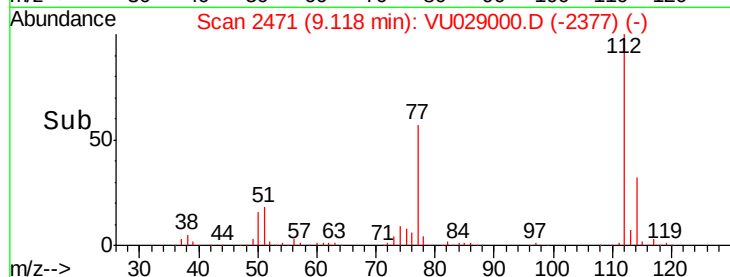
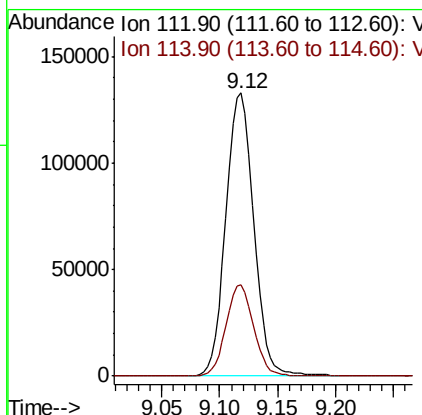
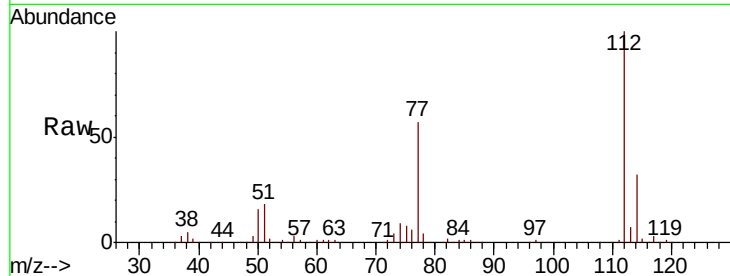
#65
Chlorobenzene
Concen: 48.141 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion:112 Resp: 221799
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

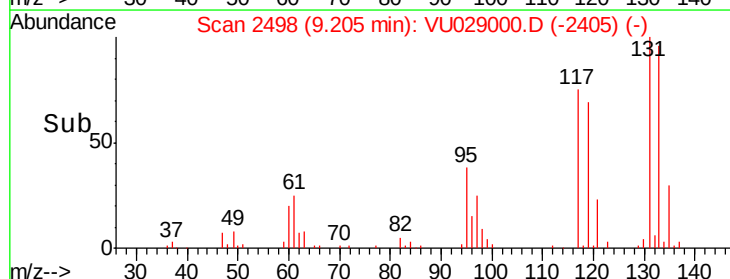
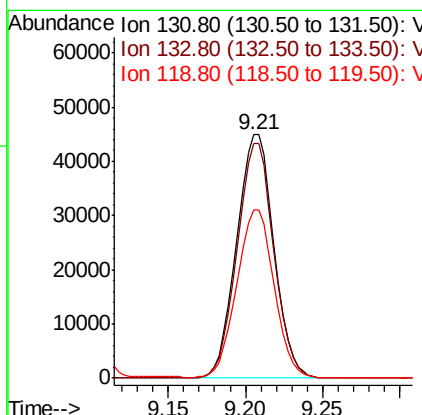
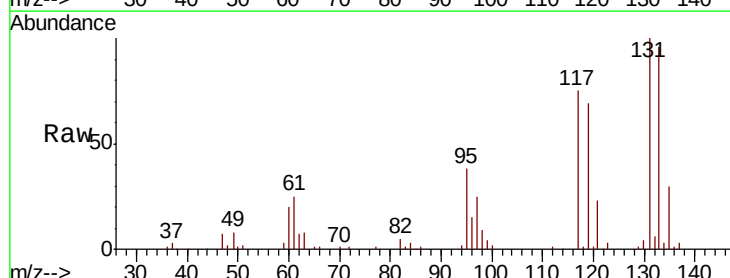
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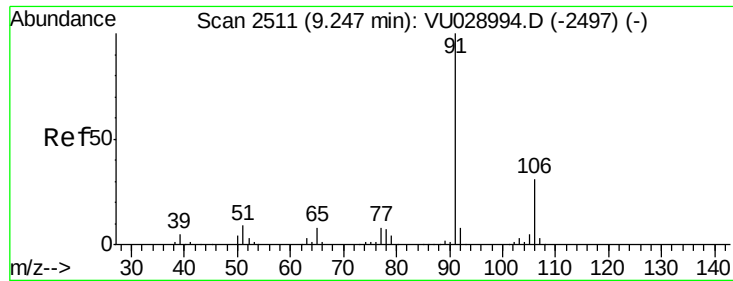
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.275 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion:131 Resp: 75170
Ion Ratio Lower Upper
131 100
133 94.8 48.2 144.6
119 69.4 35.4 106.3





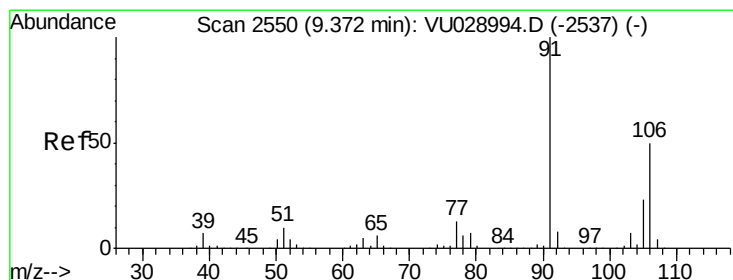
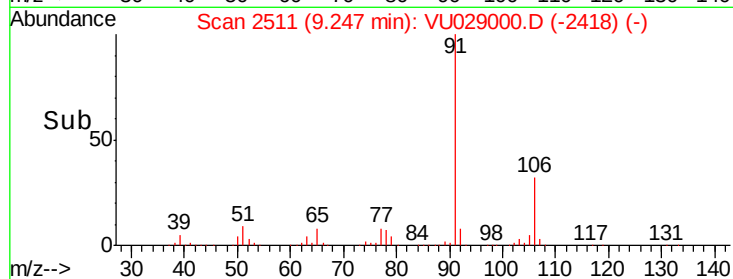
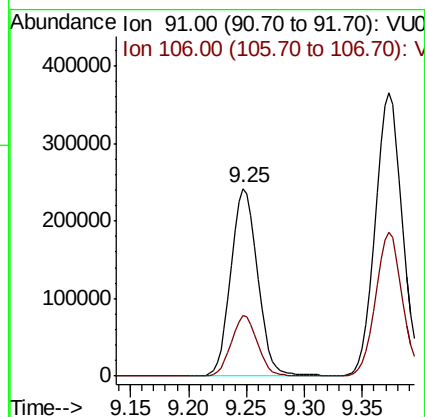
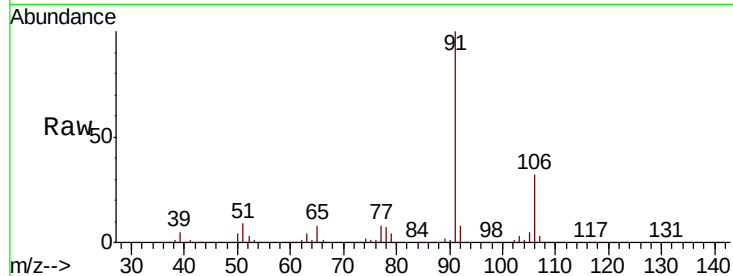
#67
Ethyl Benzene
Concen: 50.173 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 91 Resp: 385935
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.4

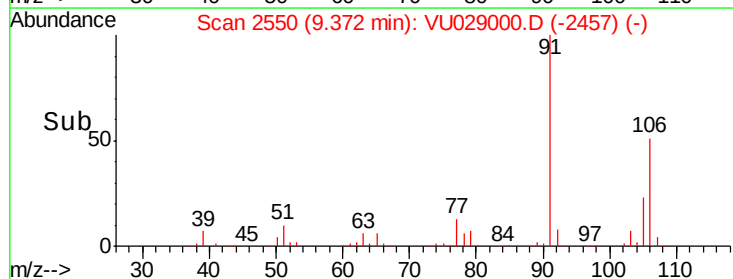
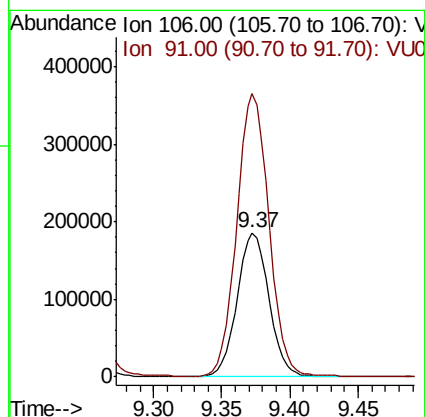
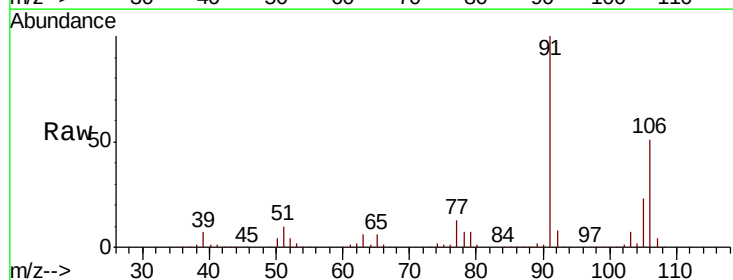
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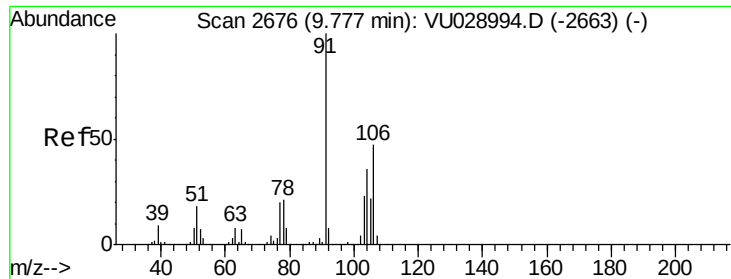
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#68
m/p-Xylenes
Concen: 100.202 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 106 Resp: 299480
Ion Ratio Lower Upper
106 100
91 200.3 161.7 242.5





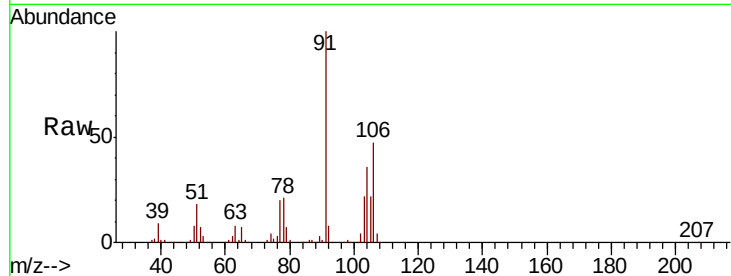
#69
o-Xylene
Concen: 50.497 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

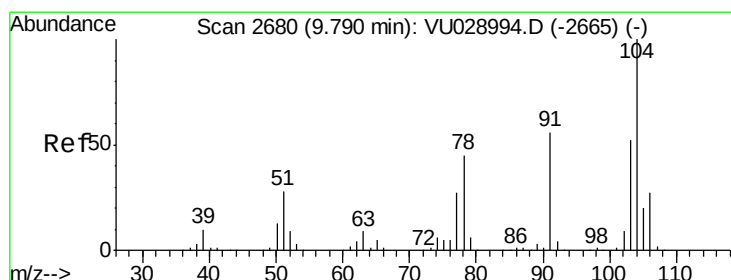
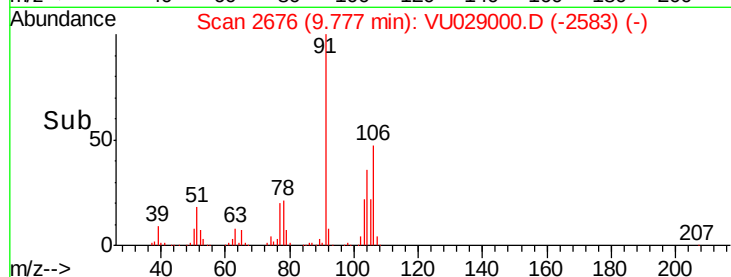
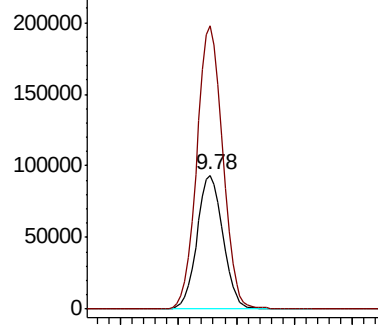
Tgt Ion:106 Resp: 145420
Ion Ratio Lower Upper
106 100
91 211.3 106.1 318.3

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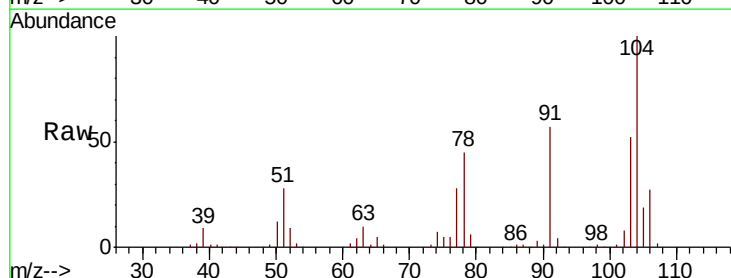


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

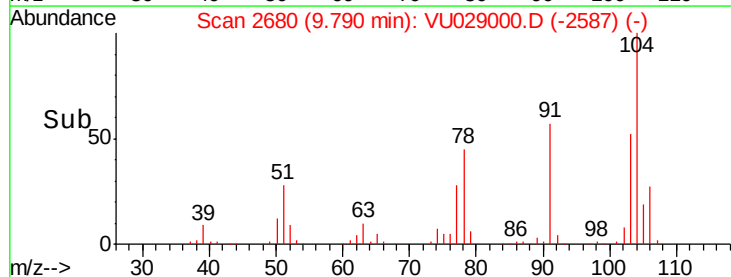
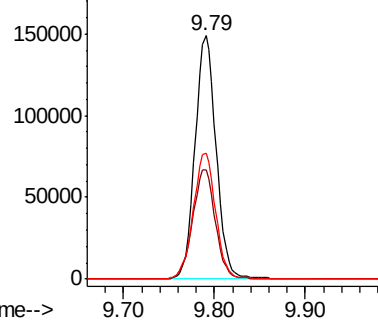


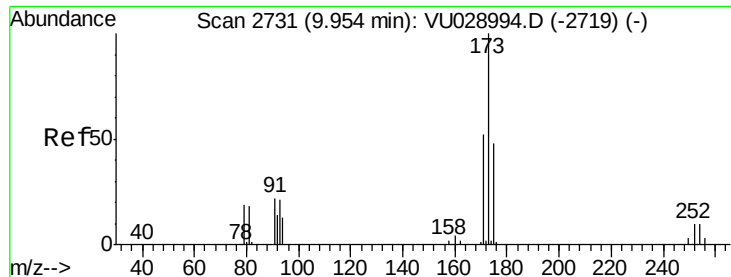
#70
Styrene
Concen: 51.014 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion:104 Resp: 240833
Ion Ratio Lower Upper
104 100
78 48.3 38.6 58.0
103 55.1 44.5 66.7



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





#71

Bromoform

Concen: 49.822 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

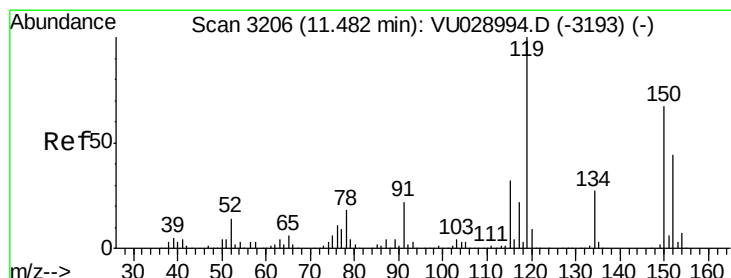
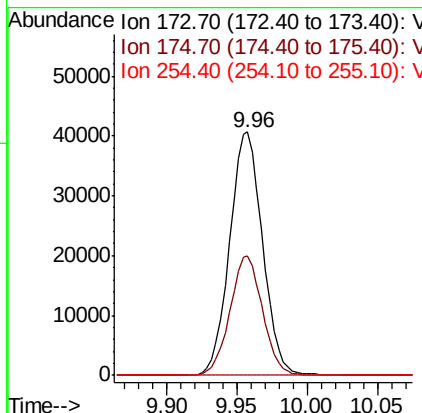
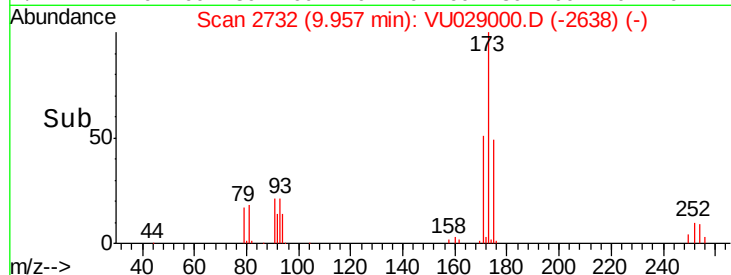
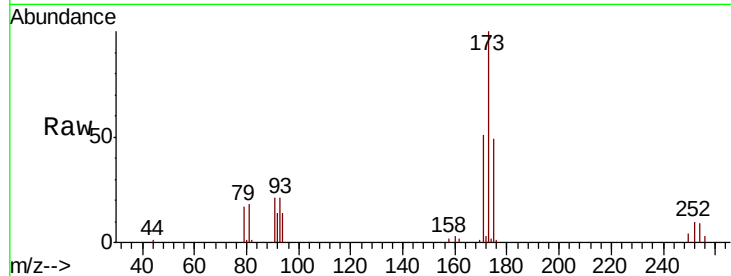
ClientSampleId :

ICVVU010319

Tgt Ion:	173	Resp:	66329
Ion Ratio	Lower	Upper	
173	100		
175	48.3	23.8	71.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

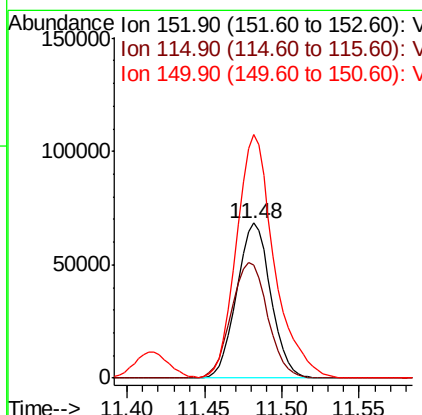
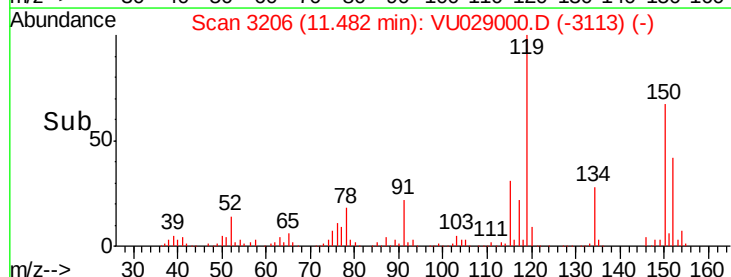
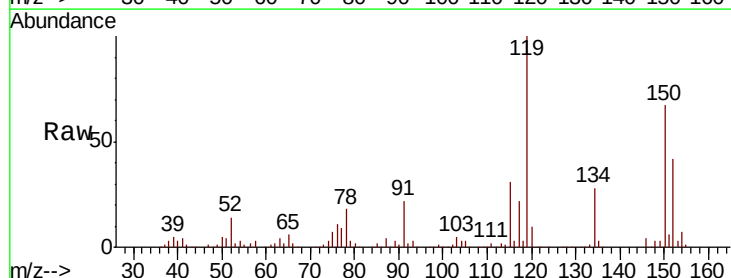
RT: 11.48 min Scan# 3206

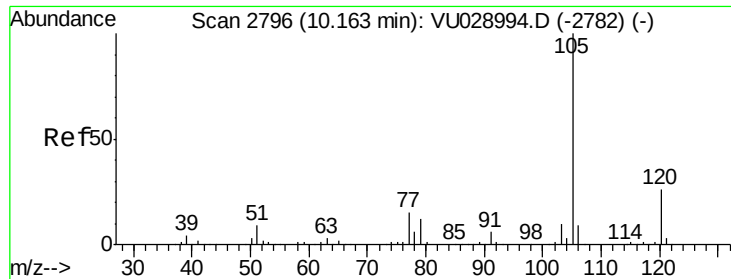
Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion:	152	Resp:	105083
Ion Ratio	Lower	Upper	
152	100		
115	79.6	40.1	120.3
150	173.1	0.0	345.2





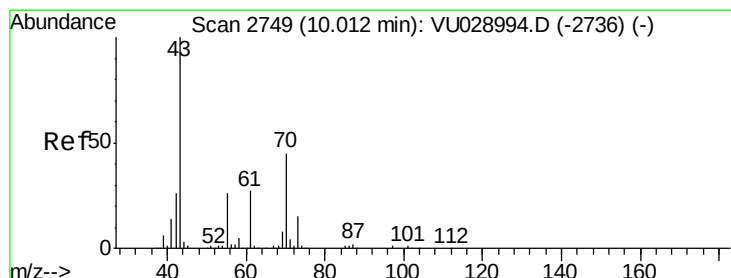
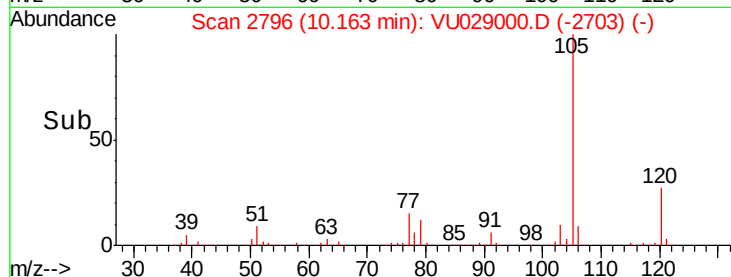
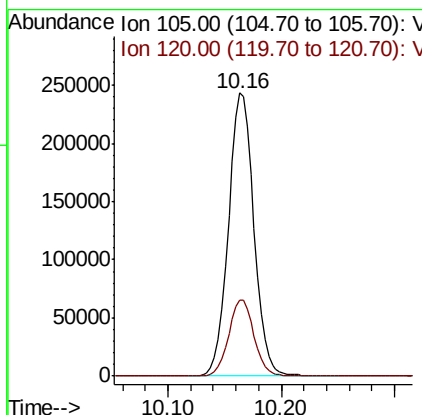
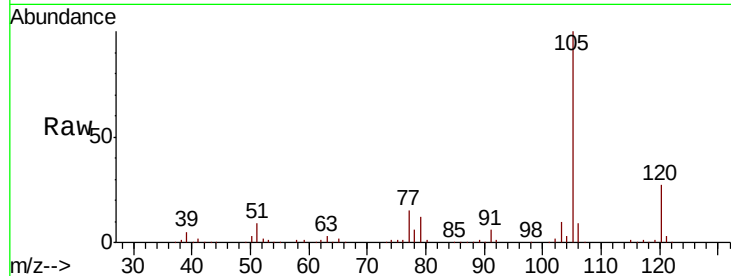
#73
Isopropylbenzene
Concen: 48.890 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 105 Resp: 380265
Ion Ratio Lower Upper
105 100
120 26.9 13.2 39.5

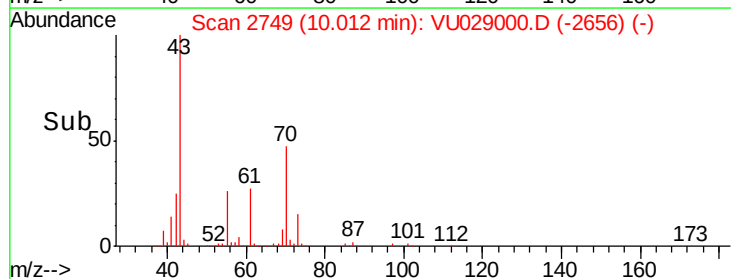
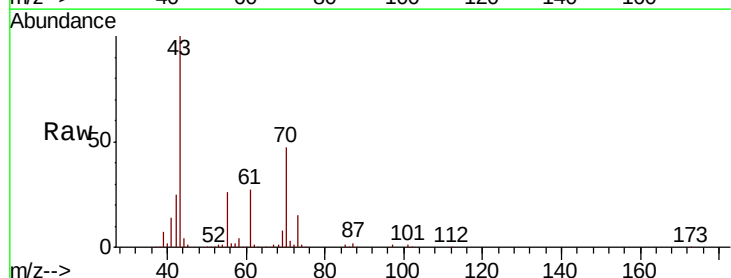
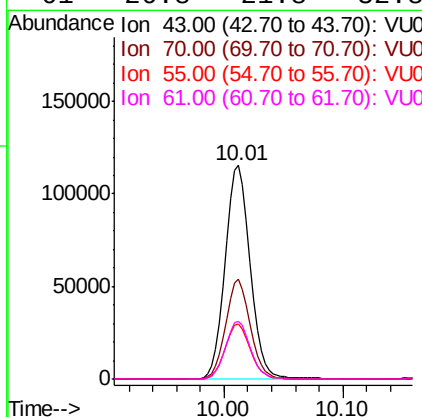
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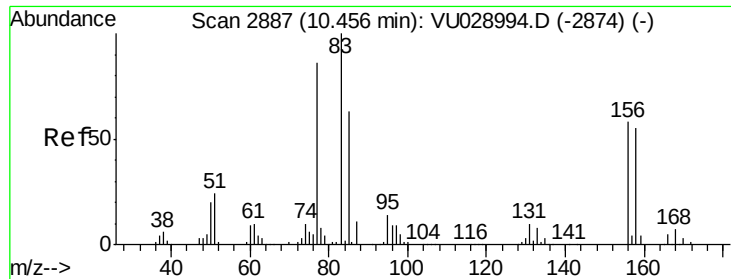
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#74
N-ethyl acetate
Concen: 50.241 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion: 43 Resp: 168388
Ion Ratio Lower Upper
43 100
70 45.8 36.3 54.5
55 25.9 20.5 30.7
61 26.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.250 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

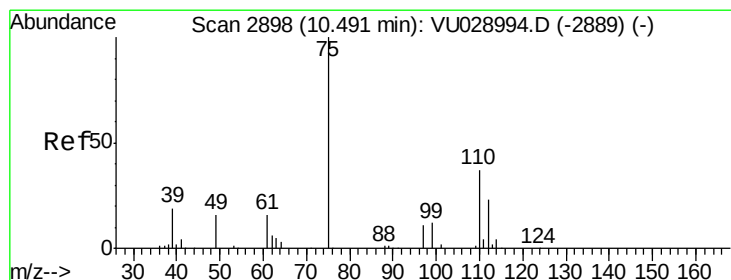
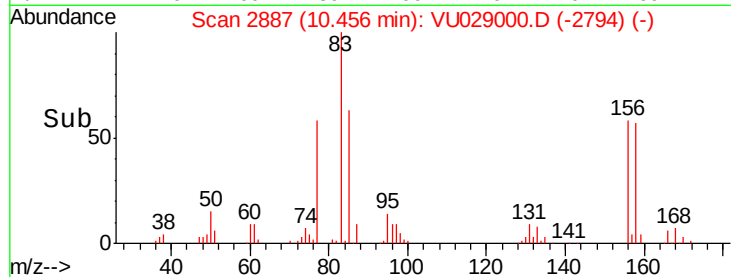
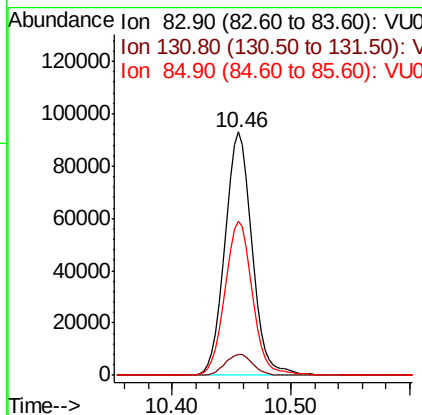
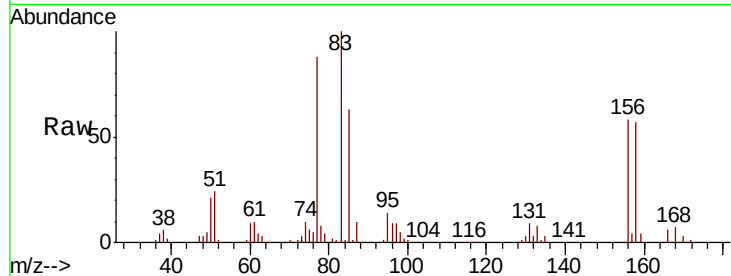
ClientSampleId :

ICVVU010319

Tgt Ion:	83	Resp:	147294
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.7	14.1
85	64.2	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.274 ug/l m

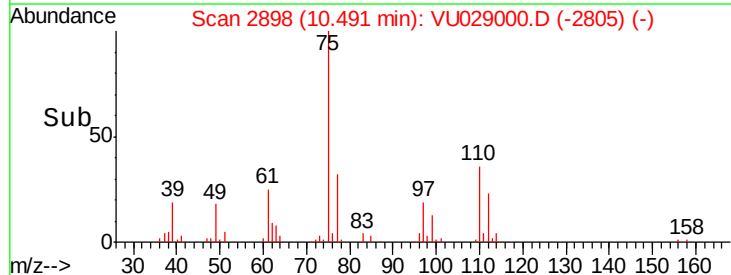
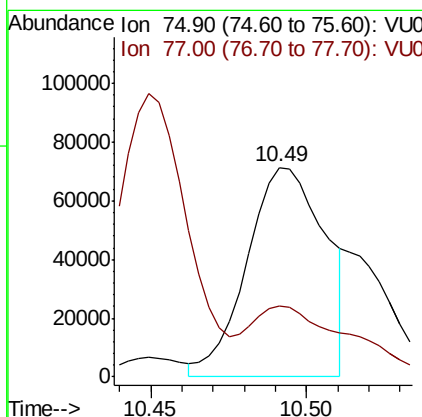
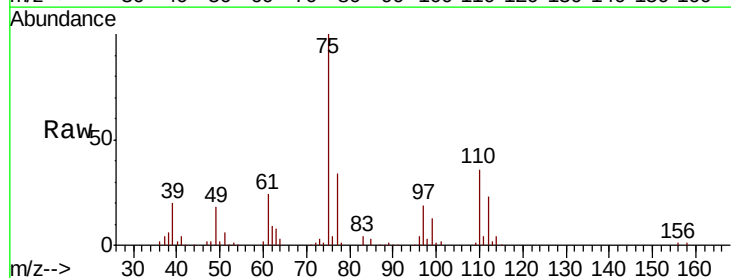
RT: 10.49 min Scan# 2898

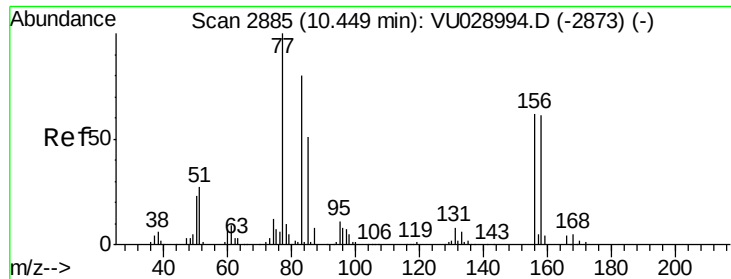
Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion:	75	Resp:	124290
Ion Ratio	Lower	Upper	
75	100		
77	42.4	20.9	62.8





#77

Bromobenzene

Concen: 48.174 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

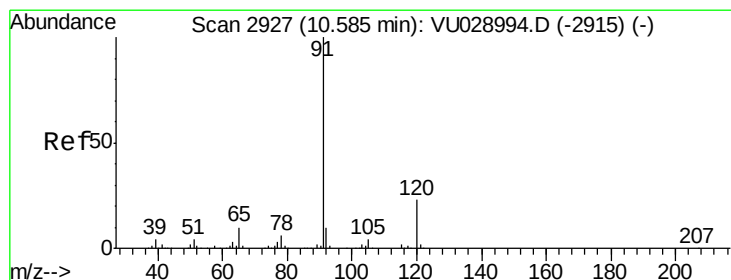
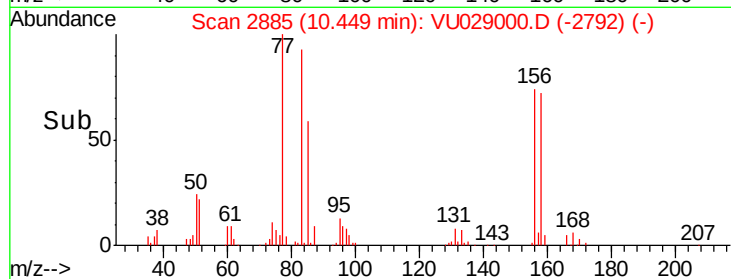
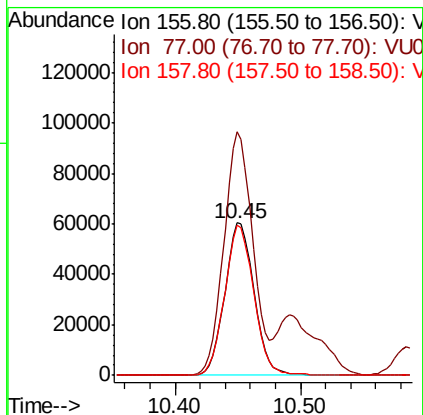
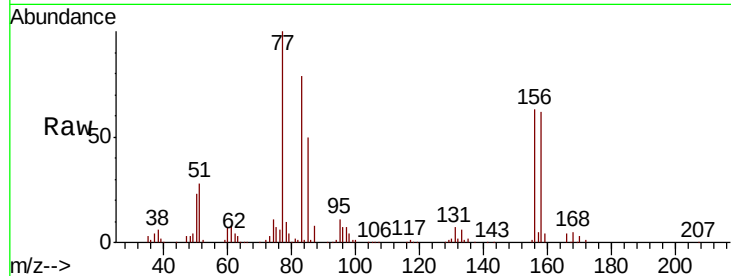
ClientSampleId :

ICVVU010319

Tgt Ion: 156 Resp: 97645
 Ion Ratio Lower Upper
 156 100
 77 157.3 79.0 237.2
 158 98.2 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.581 ug/l

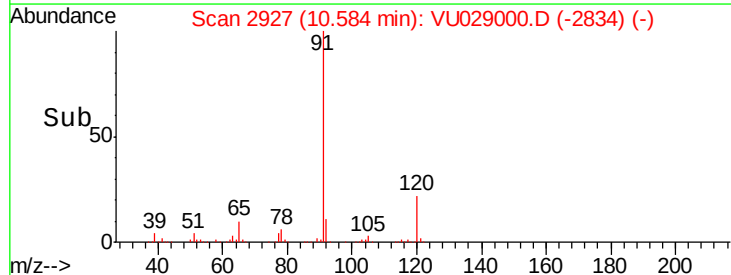
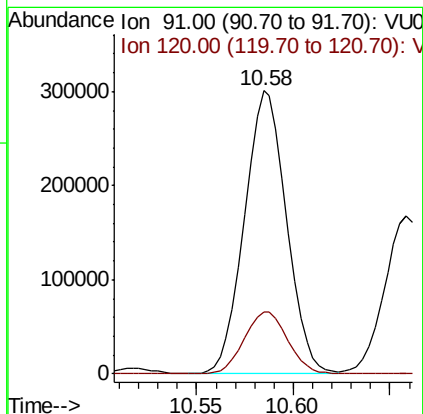
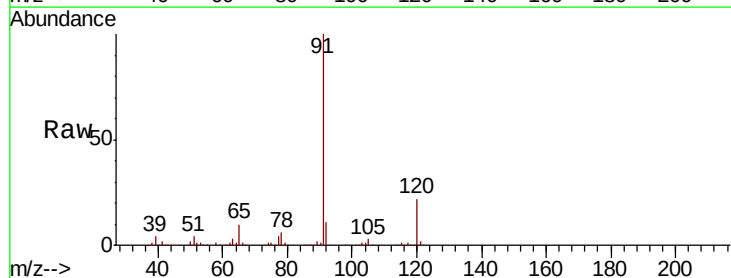
RT: 10.58 min Scan# 2927

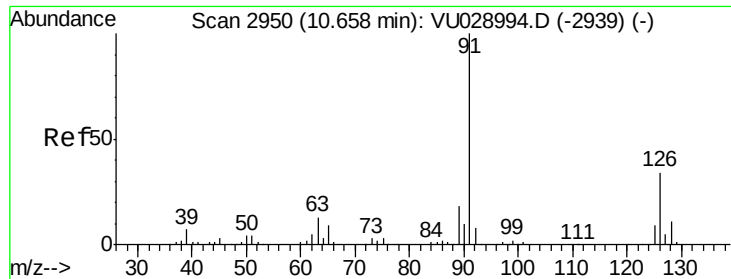
Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion: 91 Resp: 454466
 Ion Ratio Lower Upper
 91 100
 120 22.7 11.3 33.9





#79

2-Chlorotoluene

Concen: 47.639 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Instrument :

MSVOA_U

ClientSampleId :

ICVVU010319

Tgt Ion: 91 Resp: 264887

Ion Ratio Lower Upper

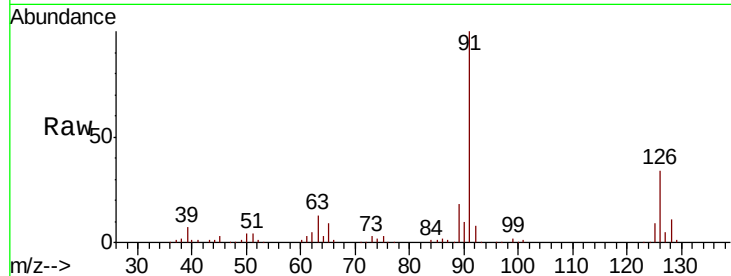
91 100

126 34.3 16.8 50.4

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)

300000

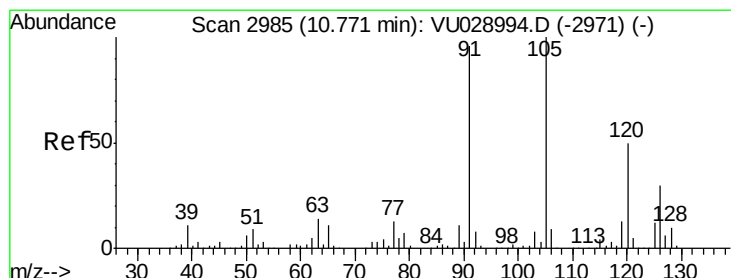
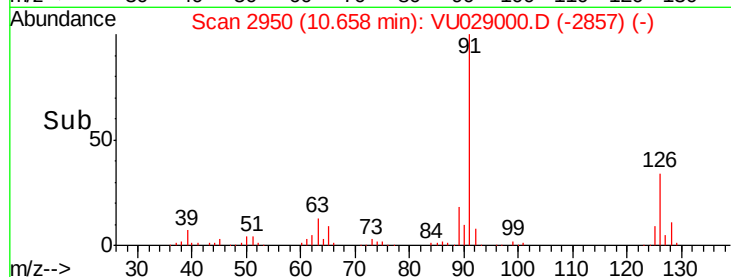
200000

100000

0

10.66

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.122 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU029000.D

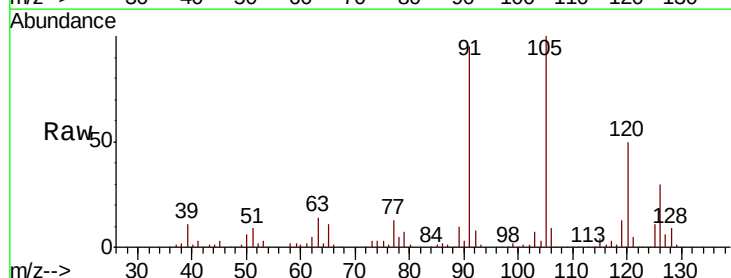
Acq: 03 Jan 2019 16:18

Tgt Ion: 105 Resp: 319059

Ion Ratio Lower Upper

105 100

120 49.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

250000

200000

150000

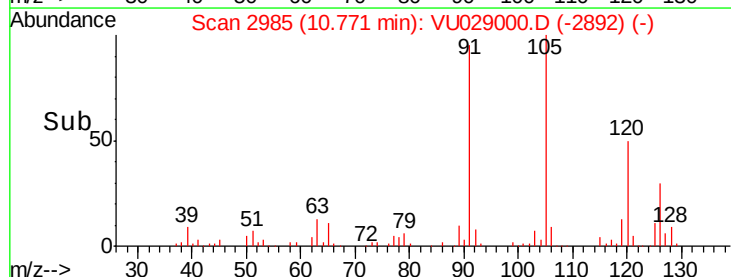
100000

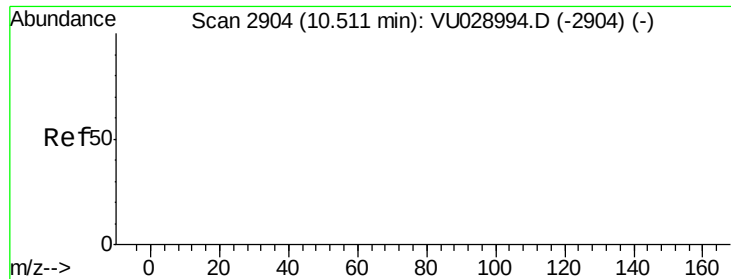
50000

0

10.77

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 43.840 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

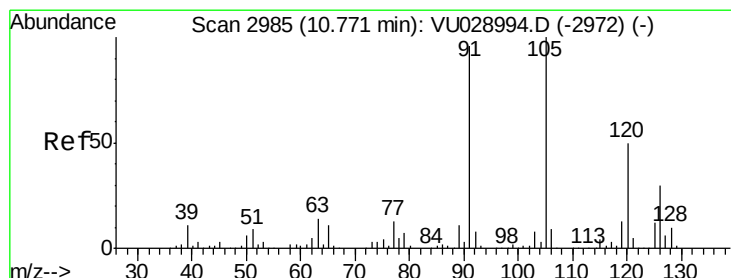
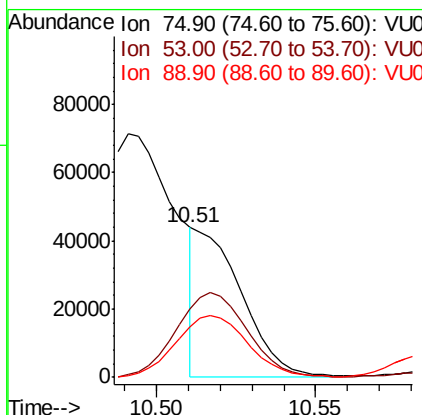
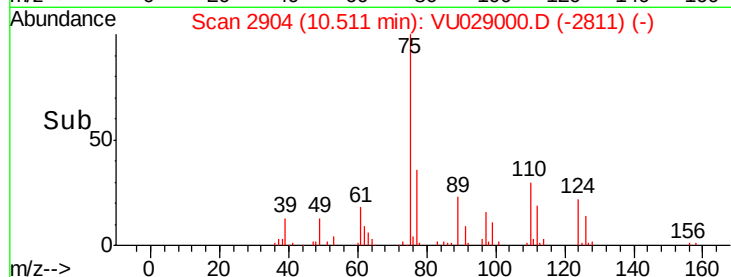
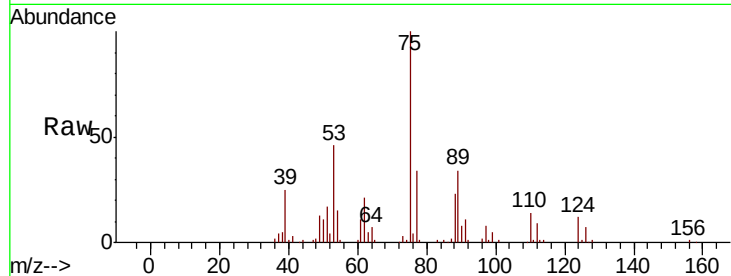
Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion: 75 Resp: 43766

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.966 ug/l

RT: 10.77 min Scan# 2985

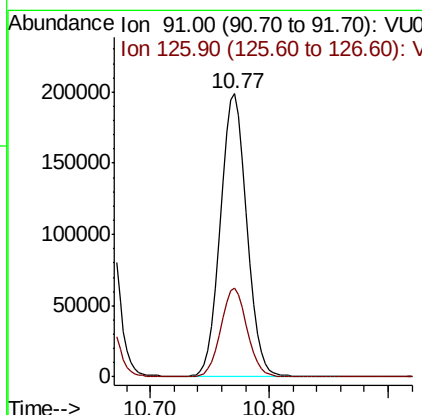
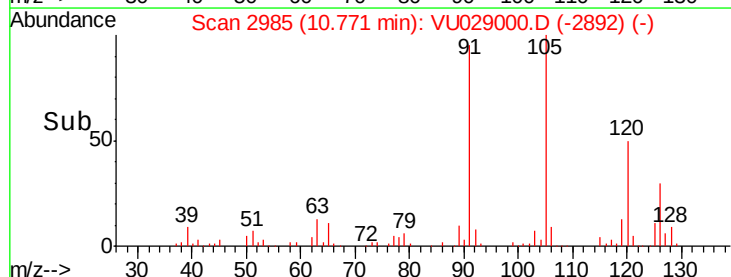
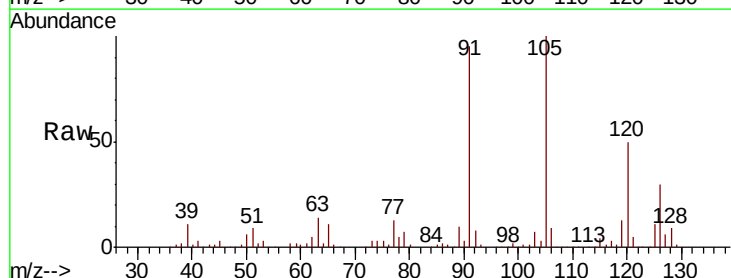
Delta R.T. -0.00 min

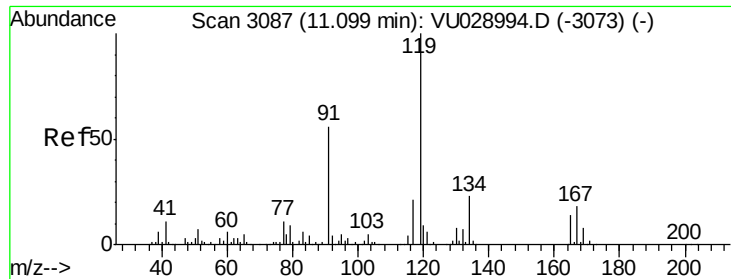
Lab File: VU029000.D

Acq: 03 Jan 2019 16:18

Tgt Ion: 91 Resp: 305823

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





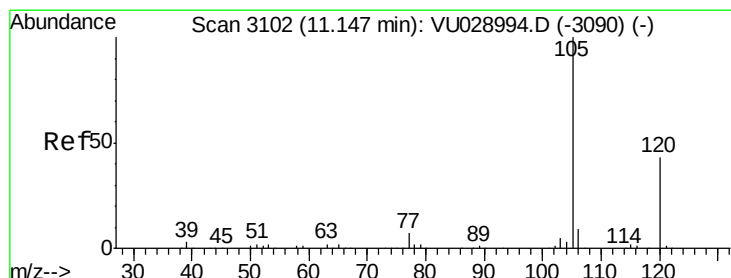
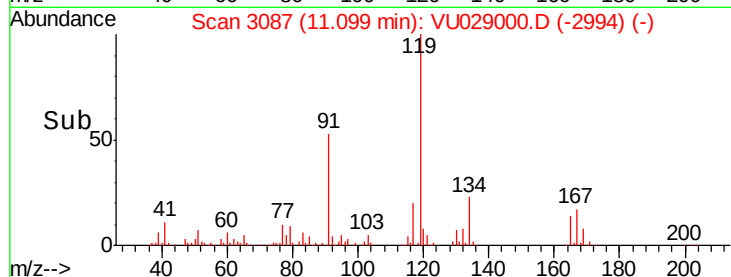
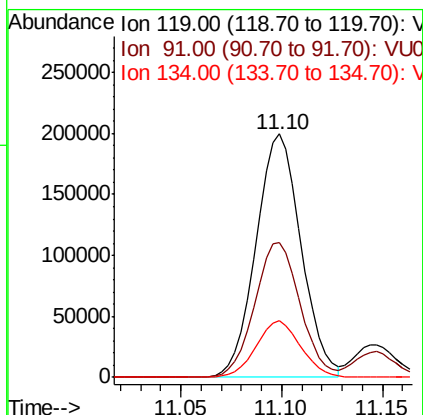
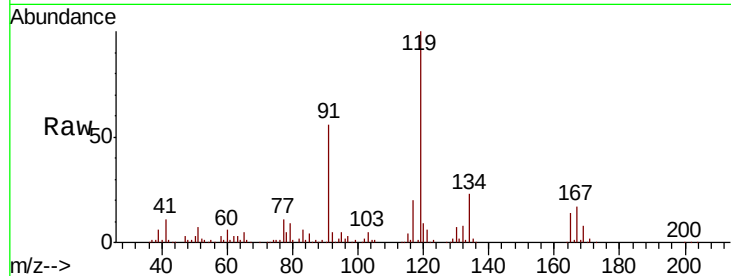
#83
 tert-Butylbenzene
 Concen: 48.610 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	311192		
91	55.9	28.2	84.6	
134	23.0	11.3	33.8	

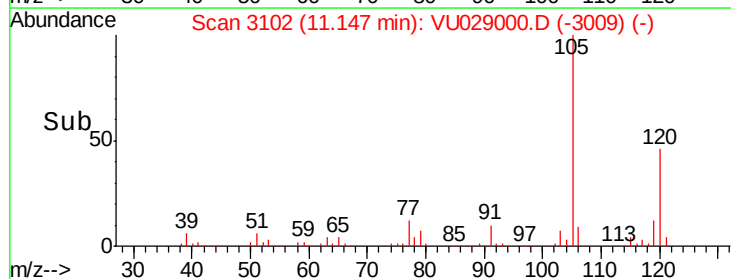
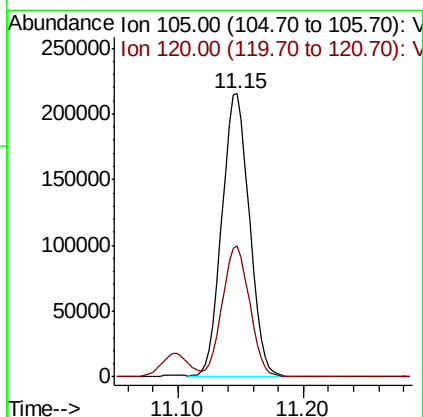
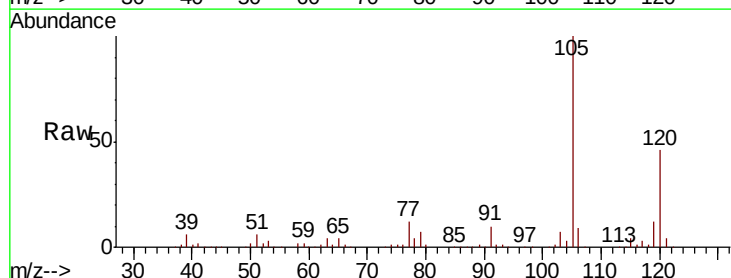
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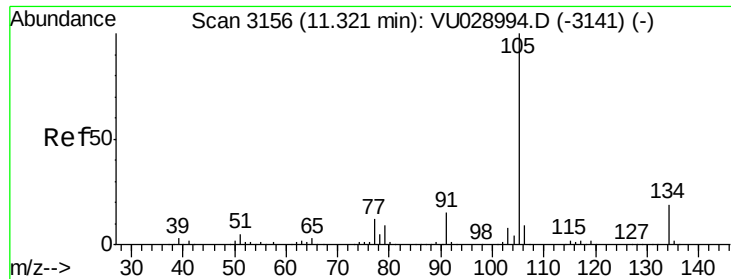
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.497 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	327466		
120	46.1	23.1	69.3	





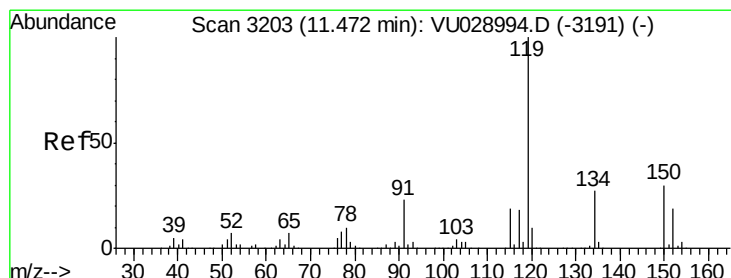
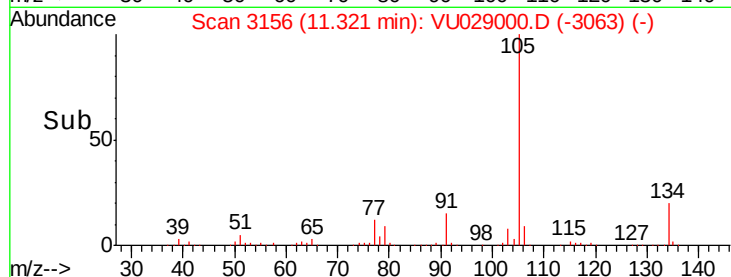
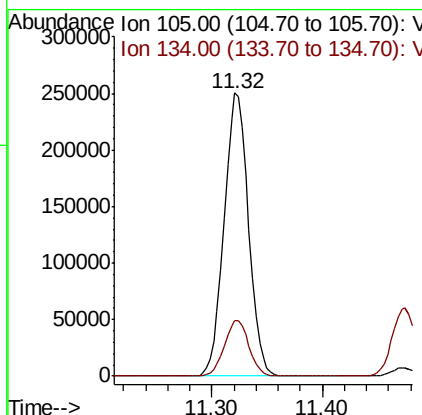
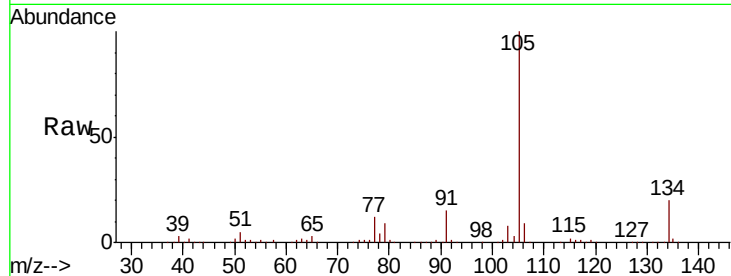
#85
 sec-Butylbenzene
 Concen: 49.463 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU010319

Tgt Ion:105 Resp: 382962
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1

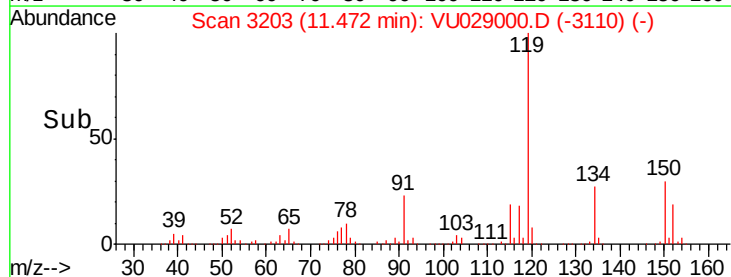
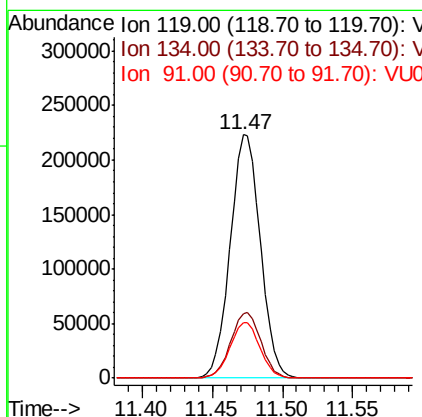
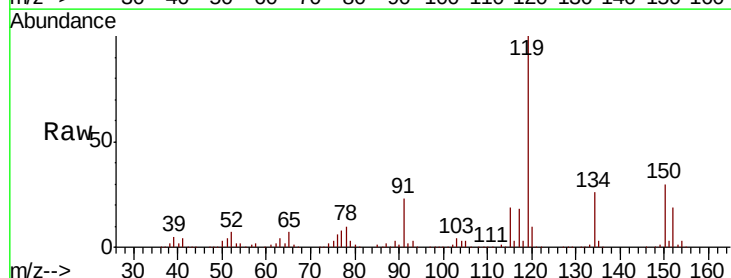
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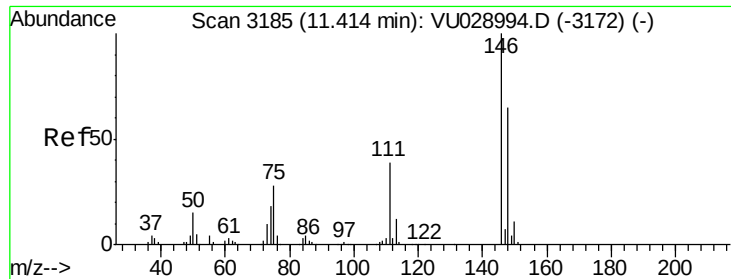
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 50.551 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion:119 Resp: 333509
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.9 11.3 33.8





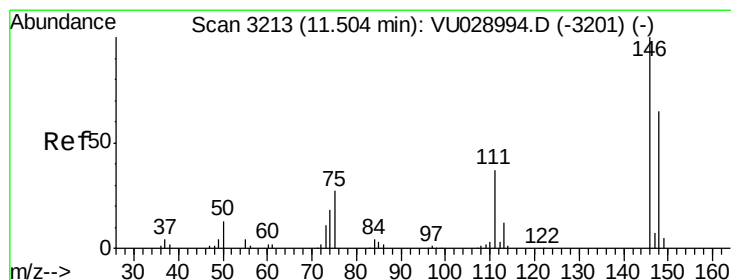
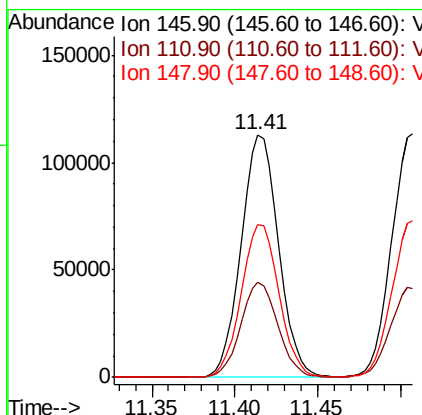
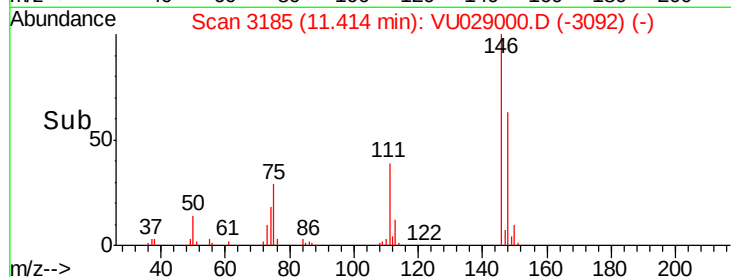
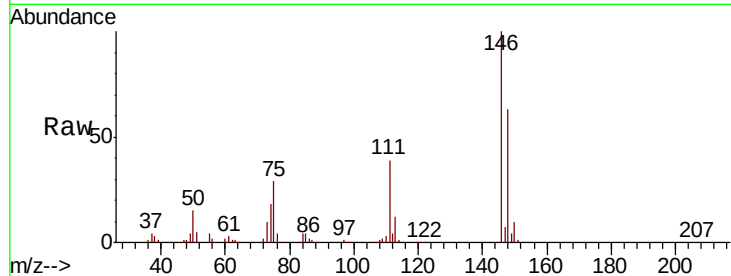
#87
 1,3-Dichlorobenzene
 Concen: 47.687 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	63.5	32.5	97.5

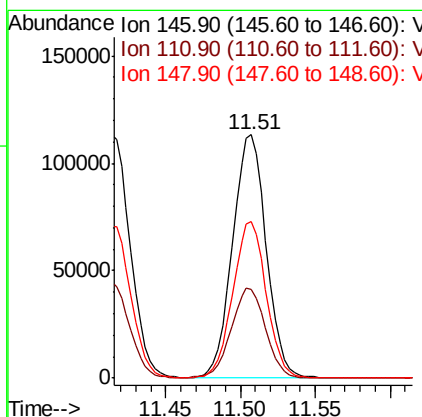
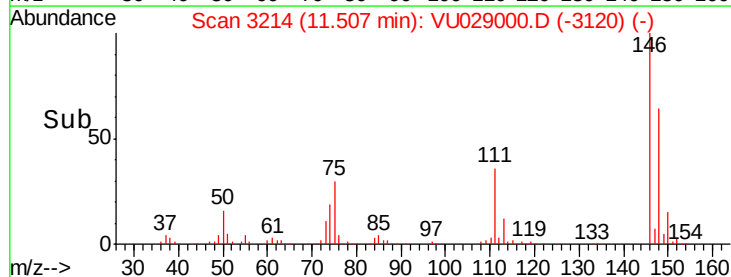
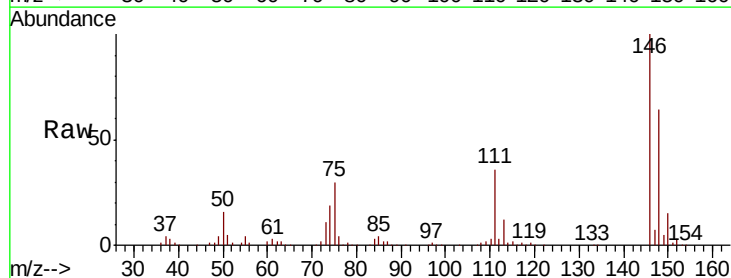
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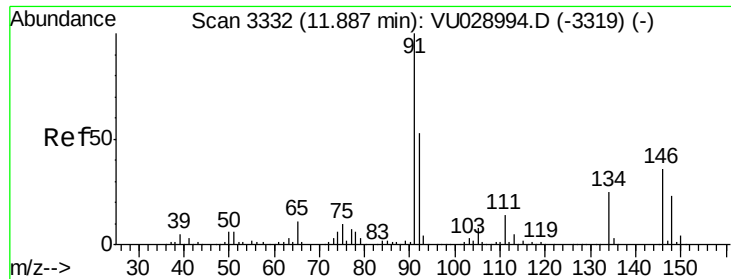
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#88
 1,4-Dichlorobenzene
 Concen: 46.052 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.0	32.6	98.0





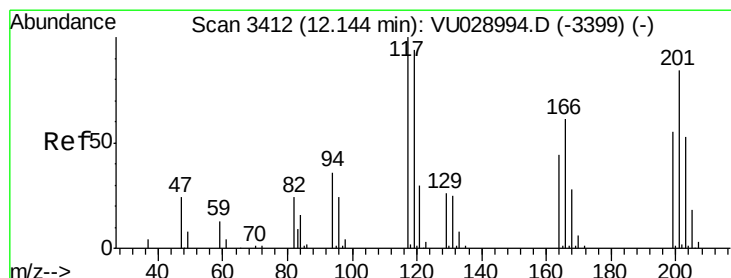
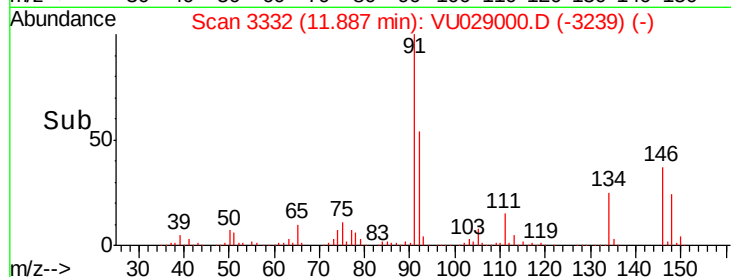
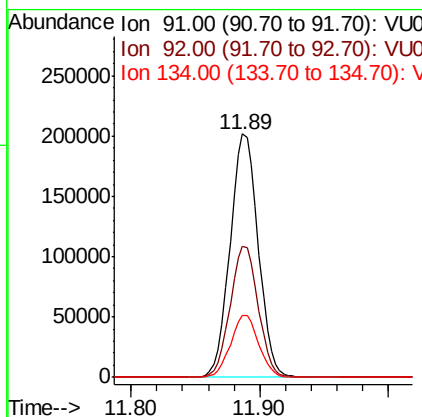
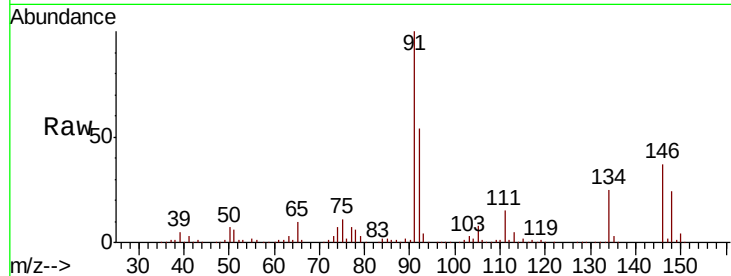
#89
n-Butylbenzene
Concen: 51.885 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.2	78.5
134	25.4	12.6	37.6

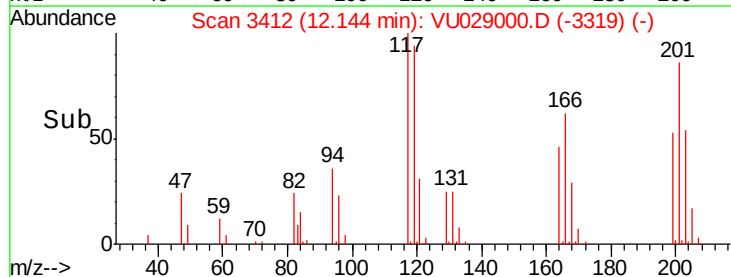
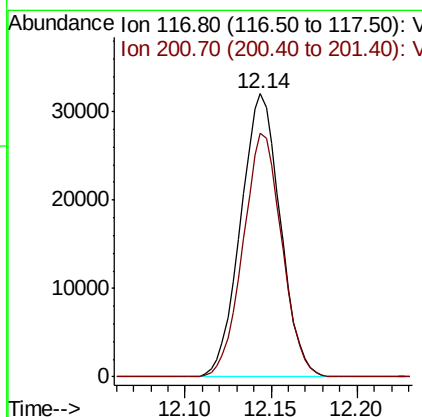
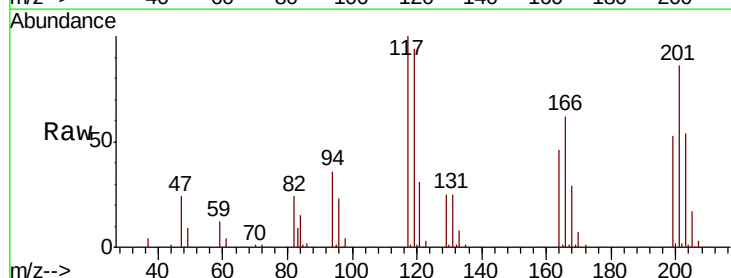
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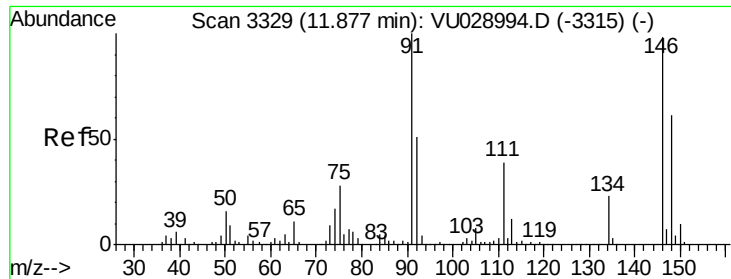
MMDadoda
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#90
Hexachloroethane
Concen: 46.281 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.4	127.3





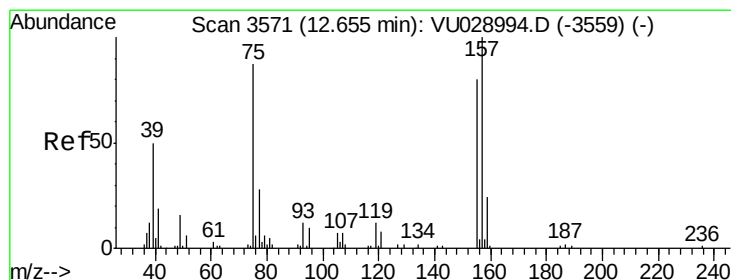
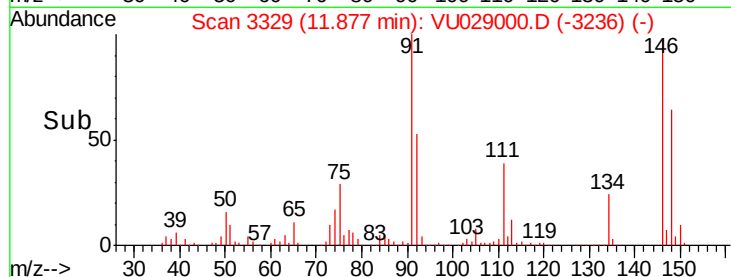
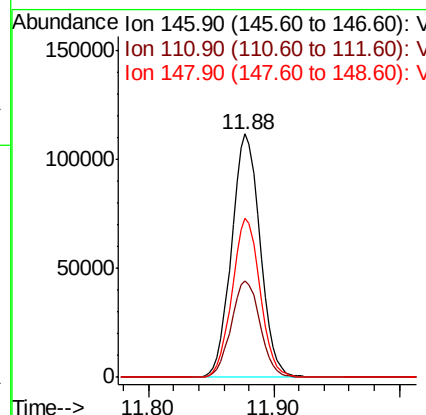
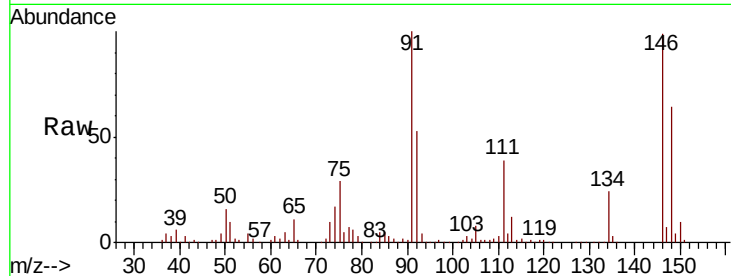
#91
 1,2-Dichlorobenzene
 Concen: 47.009 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176037		
111	40.3	20.0	59.9	
148	64.1	31.6	94.8	

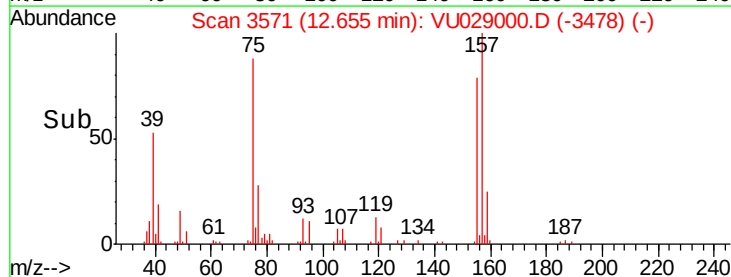
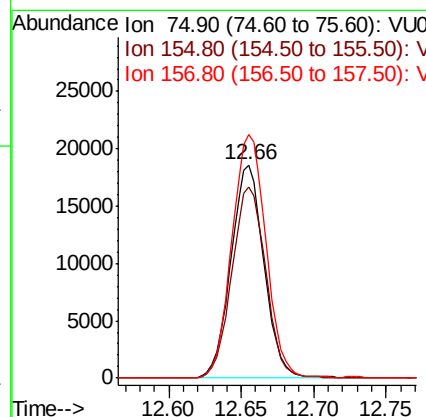
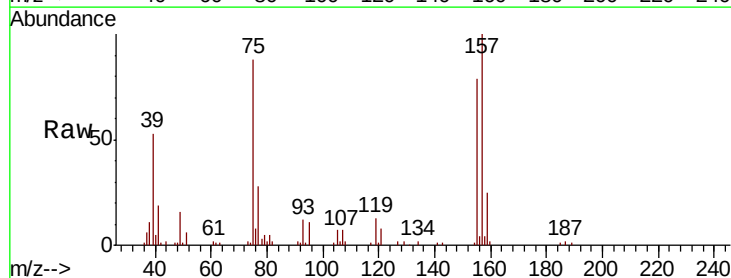
Manual Integrations
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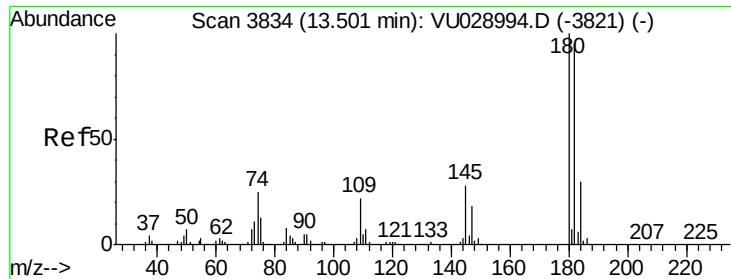
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.020 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29391		
155	91.7	46.3	138.8	
157	117.6	57.4	172.0	





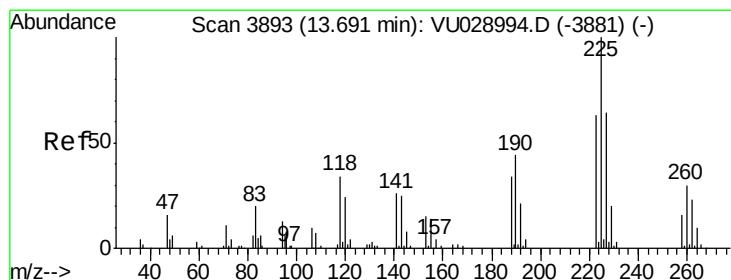
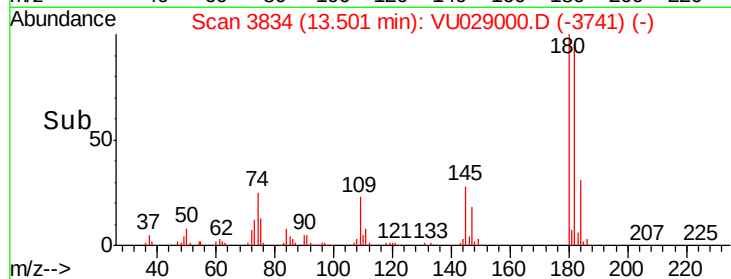
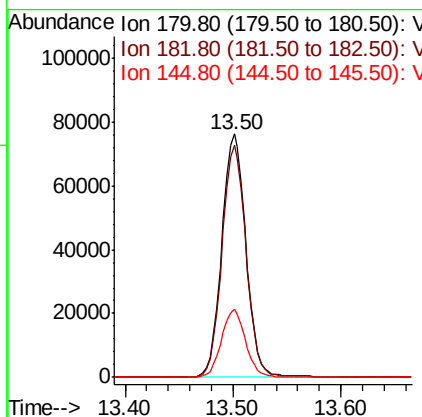
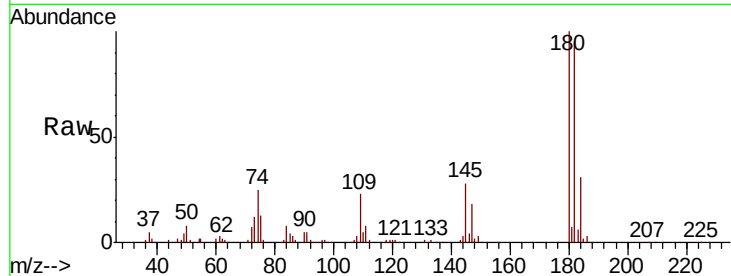
#93
 1,2,4-Trichlorobenzene
 Concen: 49.745 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	118912		
182	95.3	47.5	142.6	
145	27.8	14.0	42.0	

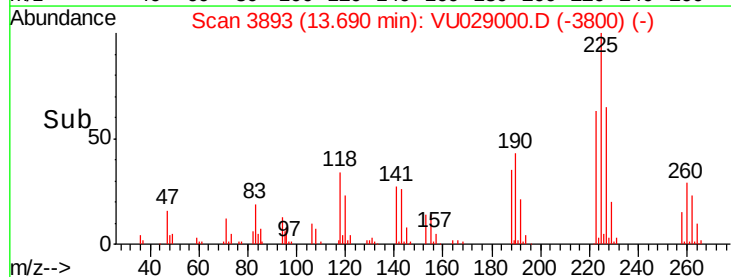
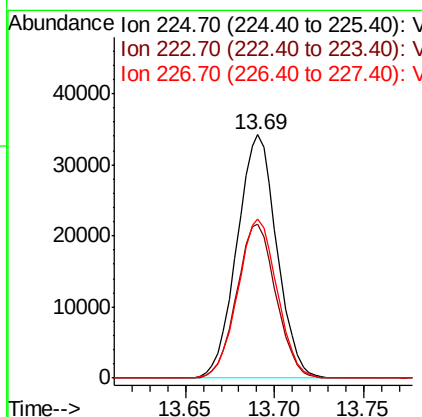
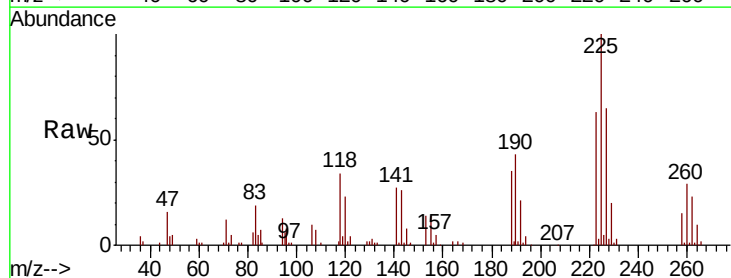
Manual Integrations
 APPROVED

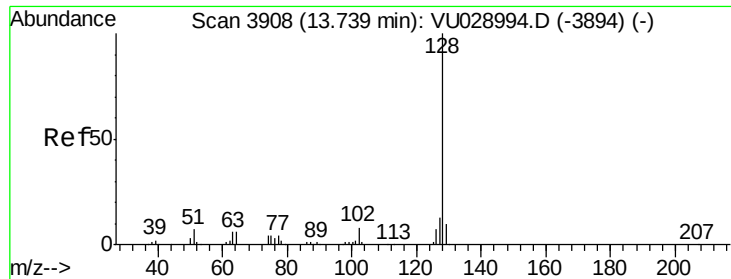
MMDadoda
 1/4/2019 9:51:16 AM



#94
 Hexachlorobutadiene
 Concen: 48.704 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU029000.D
 Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53252		
223	62.3	31.4	94.0	
227	64.6	31.9	95.5	





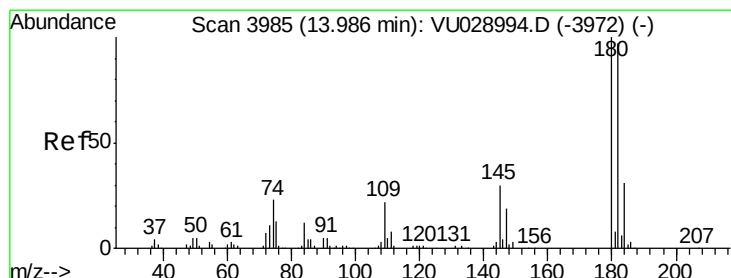
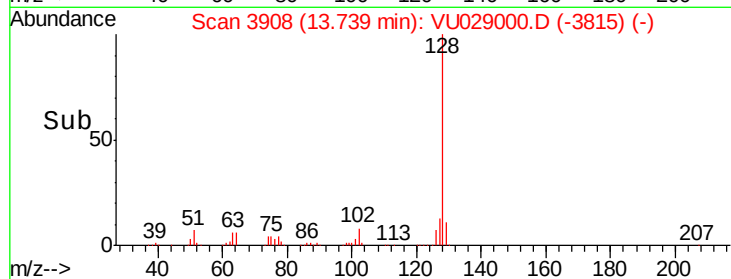
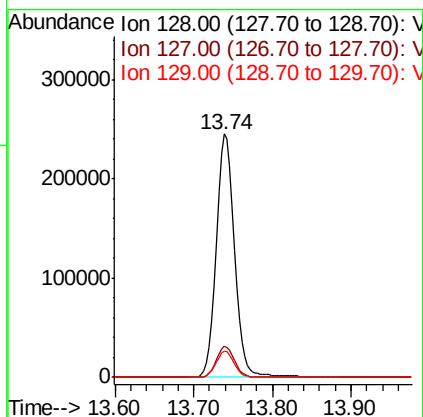
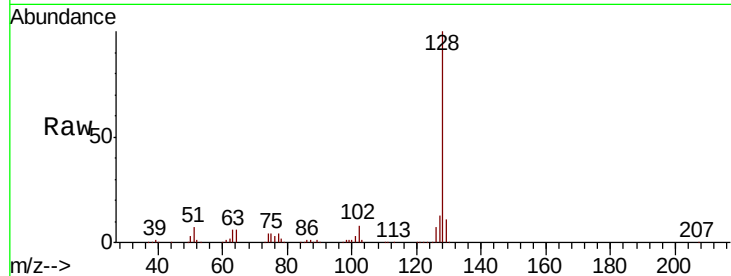
#95
Naphthalene
Concen: 48.143 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Instrument :
MSVOA_U
ClientSampleId :
ICVVU010319

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	391492		
127	12.7	10.1	15.1	
129	10.5	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/4/2019 9:51:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.394 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029000.D
Acq: 03 Jan 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119028		
182	96.1	48.1	144.3	
145	30.2	14.8	44.4	

