

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110818\
 Data File : VU028014.D
 Acq On : 08 Nov 2018 10:36
 Operator : MD/SY
 Sample : VU1108WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 12:03:04 PM

Quant Time: Nov 08 11:03:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	197033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331166	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	304534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	144856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138020	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	4.88	113	106119	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	7.57	98	396628	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	10.31	95	144763	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	35232	14.072	ug/l	99
3) Chloromethane	1.33	50	49124	16.224	ug/l	100
4) Vinyl Chloride	1.40	62	46973	15.630	ug/l	99
5) Bromomethane	1.63	94	22241	20.269	ug/l	98
6) Chloroethane	1.70	64	30216	17.447	ug/l	98
7) Trichlorofluoromethane	1.89	101	59268	17.067	ug/l	99
8) Diethyl Ether	2.11	74	26531	17.842	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37550	18.202	ug/l	98
10) Methyl Iodide	2.41	142	27441	19.995	ug/l	96
11) Tert butyl alcohol	2.82	59	68768	88.675	ug/l	100
12) 1,1-Dichloroethene	2.29	96	34603	16.757	ug/l	99
13) Acrolein	2.20	56	13564	41.894	ug/l	94
14) Allyl chloride	2.59	41	79006	15.654	ug/l	98
15) Acrylonitrile	2.94	53	170267	89.381	ug/l	98
16) Acetone	2.32	43	162958	89.660	ug/l	99
17) Carbon Disulfide	2.48	76	99658	14.765	ug/l	99
18) Methyl Acetate	2.62	43	90648	18.131	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	145716	17.498	ug/l	97
20) Methylene Chloride	2.70	84	44228	16.667	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	38464	16.140	ug/l	99
22) Diisopropyl ether	3.58	45	181528	17.422	ug/l	97
23) Vinyl Acetate	3.53	43	784327	87.586	ug/l	100
24) 1,1-Dichloroethane	3.45	63	87198	16.801	ug/l	100
25) 2-Butanone	4.26	43	253772	87.766	ug/l	99
26) 2,2-Dichloropropane	4.23	77	69951	17.960	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	47973	17.951	ug/l	97
28) Bromochloromethane	4.55	49	48792	20.053	ug/l	98
29) Tetrahydrofuran	4.64	42	161128	83.453	ug/l	99
30) Chloroform	4.67	83	81948	17.221	ug/l	97
31) Cyclohexane	5.00	56	84686	15.460	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	66860	17.650	ug/l	99
36) 1,1-Dichloropropene	5.14	75	59968	17.290	ug/l	100
37) Ethyl Acetate	4.38	43	88023	17.320	ug/l	99
38) Carbon Tetrachloride	5.14	117	52567	17.102	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71636	17.124	ug/l	98
40) Benzene	5.39	78	185466	17.490	ug/l	100
41) Methacrylonitrile	4.54	41	49044	18.083	ug/l	97
42) 1,2-Dichloroethane	5.41	62	65435	17.360	ug/l	98
43) Isopropyl Acetate	5.55	43	142047	17.841	ug/l	99
44) Trichloroethene	6.19	130	39931	17.518	ug/l	100
45) 1,2-Dichloropropane	6.43	63	54484	17.816	ug/l	100
46) Dibromomethane	6.56	93	31202	17.750	ug/l	99
47) Bromodichloromethane	6.76	83	61191	18.063	ug/l	98
48) Methyl methacrylate	6.62	41	70421	18.049	ug/l	100
49) 1,4-Dioxane	6.61	88	25387	398.812	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	468800	88.165	ug/l	100
52) Toluene	7.64	92	107428	17.232	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70330	17.485	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	76365	18.286	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	46512	18.338	ug/l	97
56) Ethyl methacrylate	8.02	69	82266	18.392	ug/l	98
57) 1,3-Dichloropropane	8.24	76	82773	17.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	231832	96.777	ug/l	99
59) 2-Hexanone	8.36	43	366137	89.029	ug/l	99
60) Dibromochloromethane	8.48	129	44017	18.340	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46906	17.405	ug/l	97
64) Tetrachloroethene	8.23	164	34370	17.405	ug/l	95
65) Chlorobenzene	9.12	112	113373	17.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	40792	18.562	ug/l	97
67) Ethyl Benzene	9.25	91	209361	17.678	ug/l	100
68) m/p-Xylenes	9.38	106	151437	35.242	ug/l	99
69) o-Xylene	9.78	106	75546	17.410	ug/l	99
70) Styrene	9.79	104	123309	17.785	ug/l	99
71) Bromoform	9.96	173	32673	17.740	ug/l #	99
73) Isopropylbenzene	10.17	105	207053	18.451	ug/l	99
74) N-amyl acetate	10.01	43	121952	17.972	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	82148	18.148	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	82459m	20.811	ug/l	
77) Bromobenzene	10.45	156	46726	18.159	ug/l	98
78) n-propylbenzene	10.59	91	244100	18.172	ug/l	100
79) 2-Chlorotoluene	10.66	91	143736	17.852	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	171222	18.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30194m	19.190	ug/l	
82) 4-Chlorotoluene	10.77	91	164792	18.028	ug/l	98
83) tert-Butylbenzene	11.10	119	166230	17.887	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	174291	18.619	ug/l	98
85) sec-Butylbenzene	11.32	105	208126	18.415	ug/l	99
86) p-Isopropyltoluene	11.48	119	173661	18.380	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	83919	17.655	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	86744	17.804	ug/l	98
89) n-Butylbenzene	11.89	91	157611	17.552	ug/l	99
90) Hexachloroethane	12.15	117	30706	18.254	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	86496	18.095	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17502	18.350	ug/l	98

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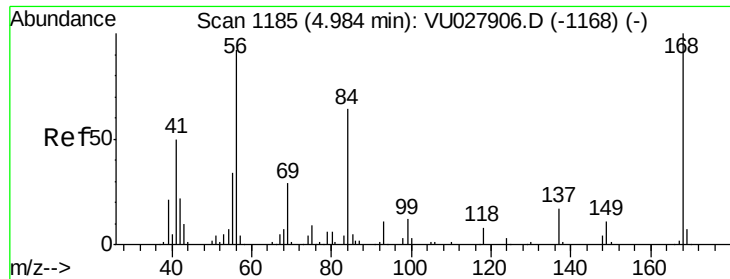
Manual Integrations
APPROVED

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11/9/2018 12:03:04 PM

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	54176	16.624	ug/l	97
94) Hexachlorobutadiene	13.69	225	27283	17.958	ug/l	98
95) Naphthalene	13.74	128	199075	16.633	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	59176	18.449	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion:168 Resp: 197033

Ion Ratio Lower Upper

168 100

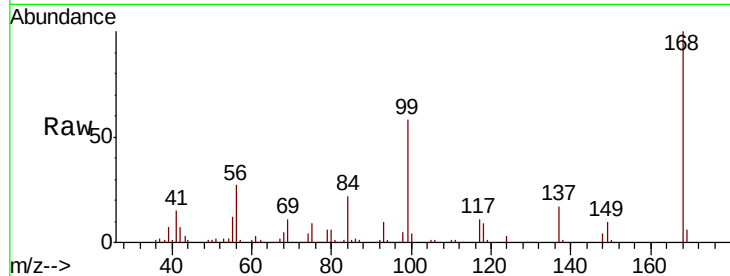
99 58.0 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028014.D (-1092) (-)

4.98

80000

60000

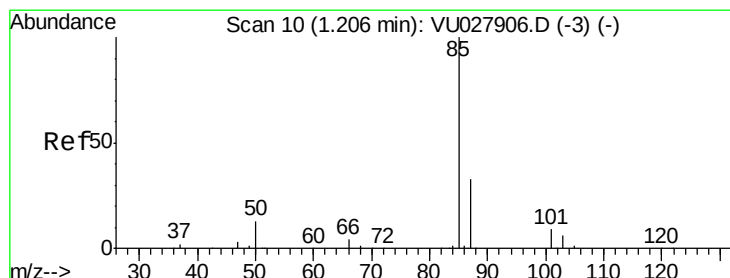
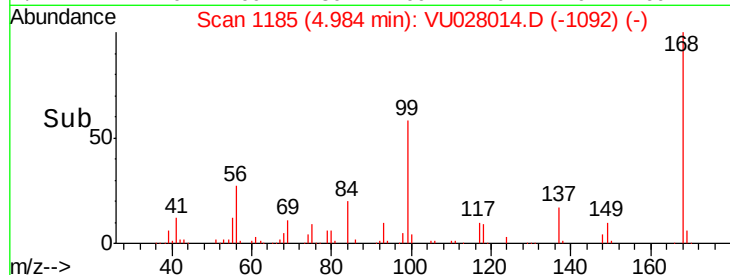
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 14.072 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028014.D

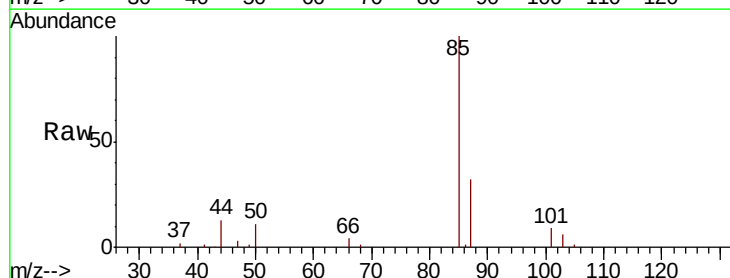
Acq: 08 Nov 2018 10:36

Tgt Ion: 85 Resp: 35232

Ion Ratio Lower Upper

85 100

87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028014.D (-1) (-)

1.21

40000

30000

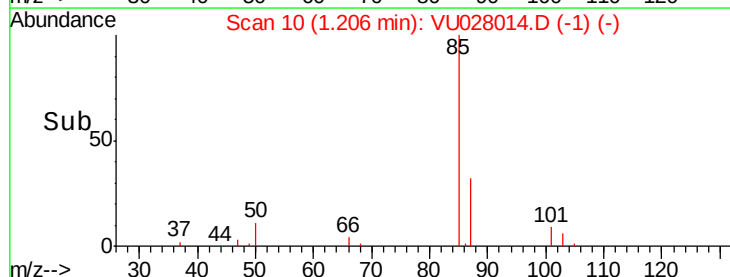
20000

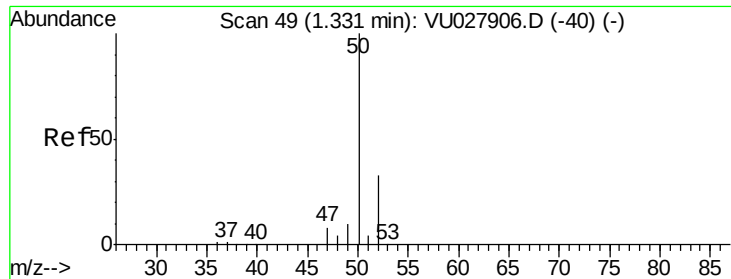
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.224 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 50 Resp: 49124

Ion Ratio Lower Upper

50 100

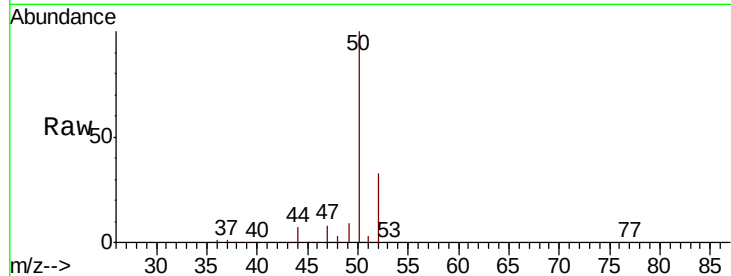
52 32.6 26.2 39.4

Manual Integrations

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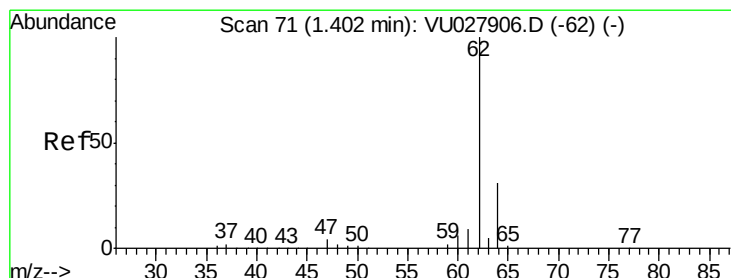
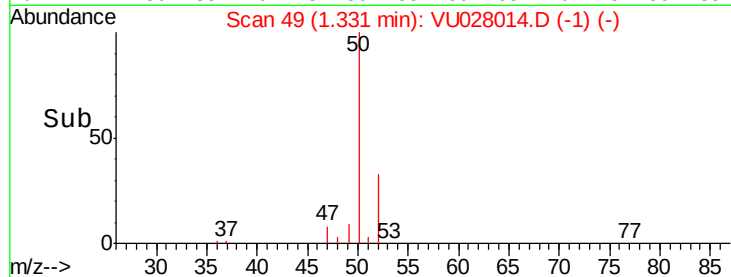
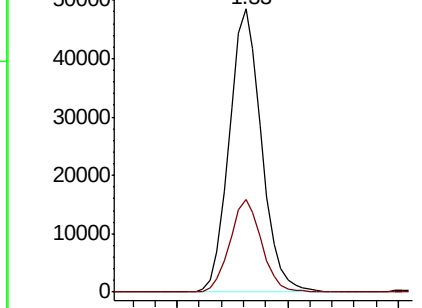
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Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028014.D (-1) (-)



#4

Vinyl Chloride

Concen: 15.630 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028014.D

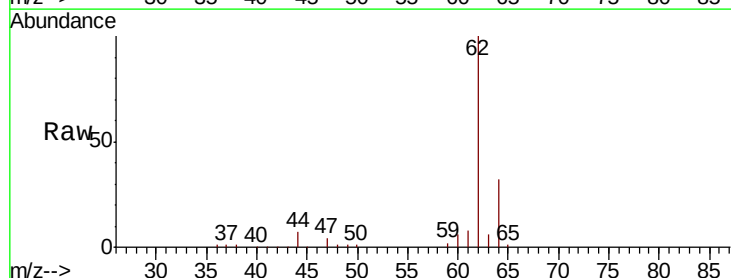
Acq: 08 Nov 2018 10:36

Tgt Ion: 62 Resp: 46973

Ion Ratio Lower Upper

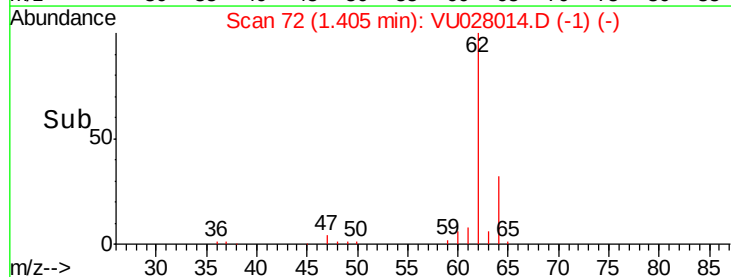
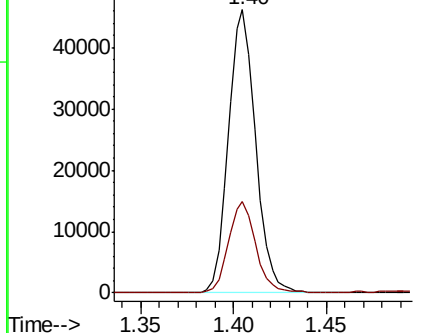
62 100

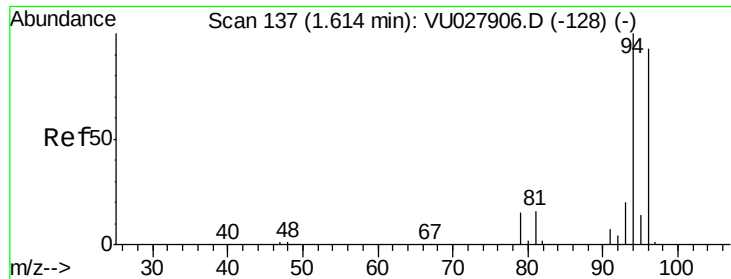
64 32.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028014.D (-1) (-)





#5

Bromomethane

Concen: 20.269 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 94 Resp: 22241

Ion Ratio Lower Upper

94 100

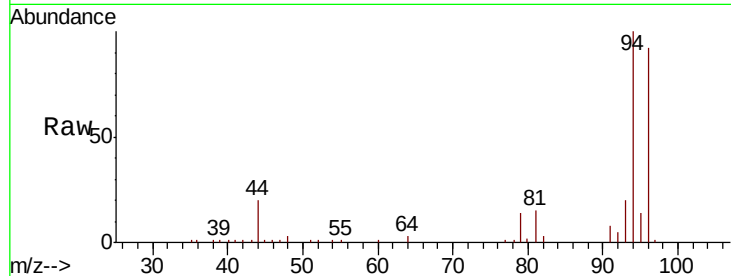
96 91.9 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028014.D (-44) (-)

20000

15000

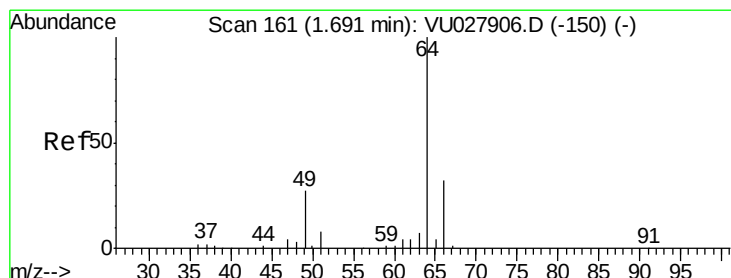
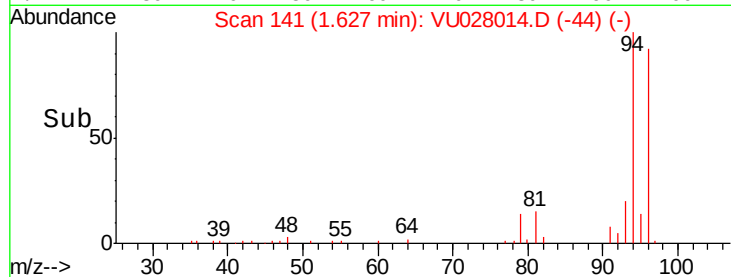
10000

5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 17.447 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU028014.D

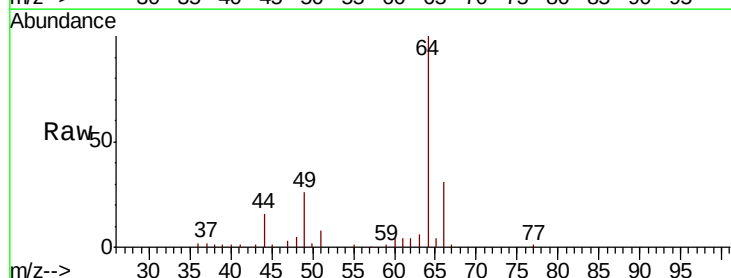
Acq: 08 Nov 2018 10:36

Tgt Ion: 64 Resp: 30216

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028014.D (-68) (-)

25000

20000

15000

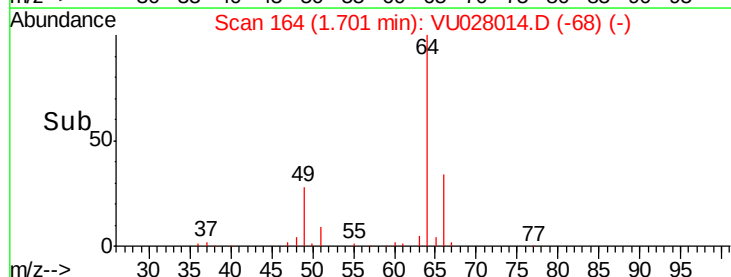
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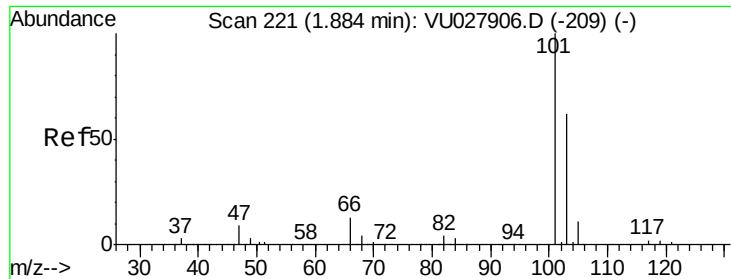
5000

0

1.65 1.70 1.75 1.80

Time-->





#7

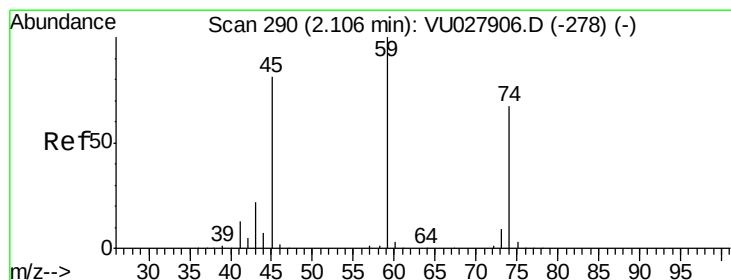
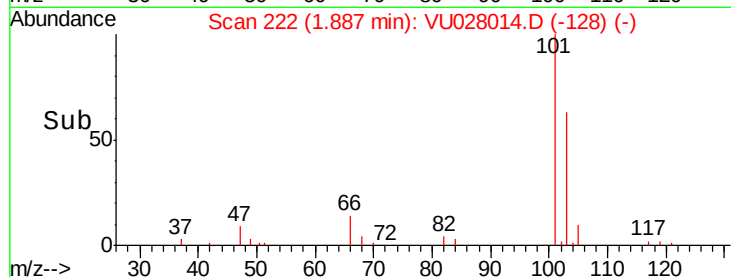
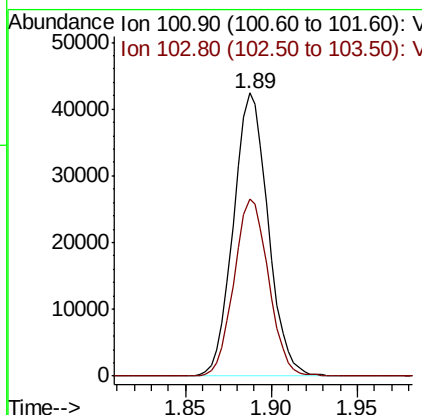
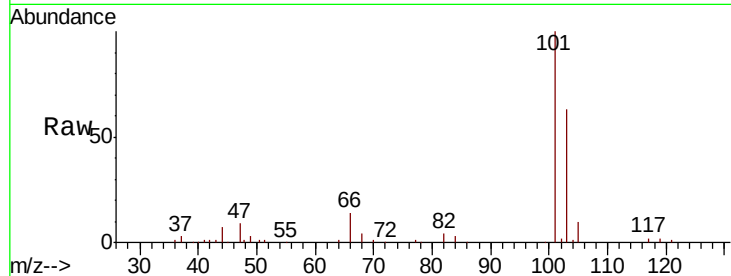
Trichlorofluoromethane
Concen: 17.067 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

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ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	49.4	74.2

Manual Integrations
APPROVED

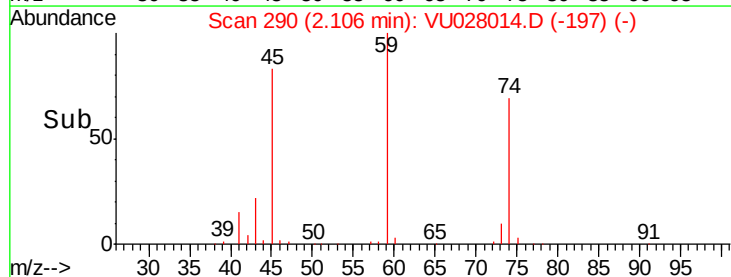
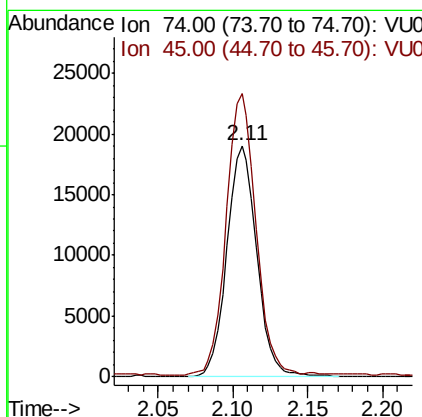
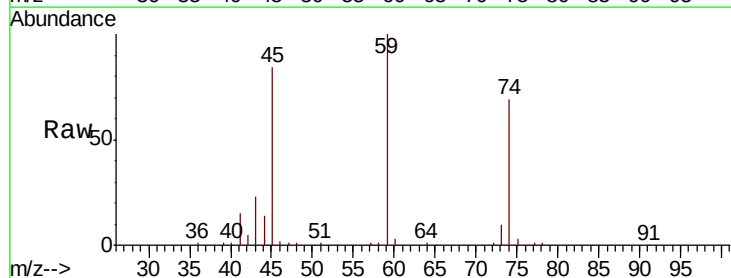
MMDadoda
11/9/2018 12:03:04 PM

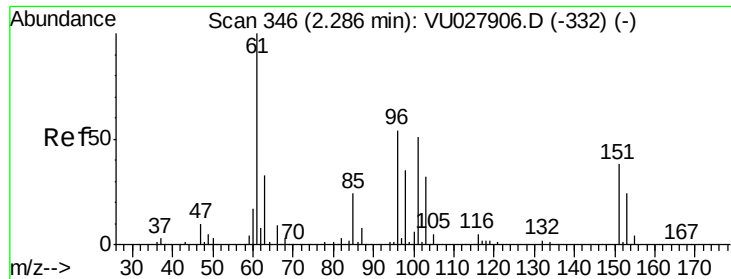


#8

Diethyl Ether
Concen: 17.842 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.4	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.202 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

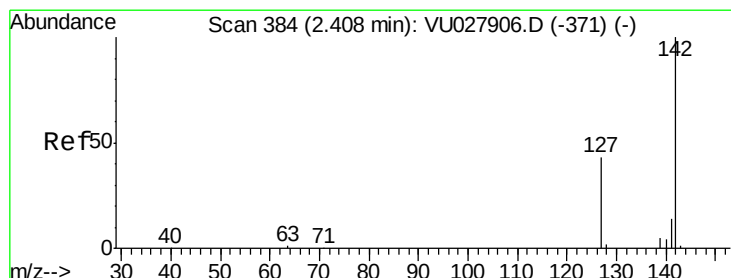
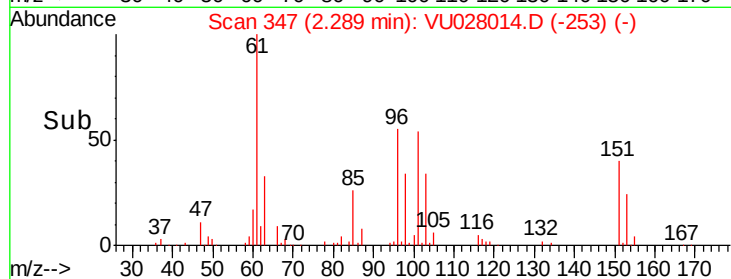
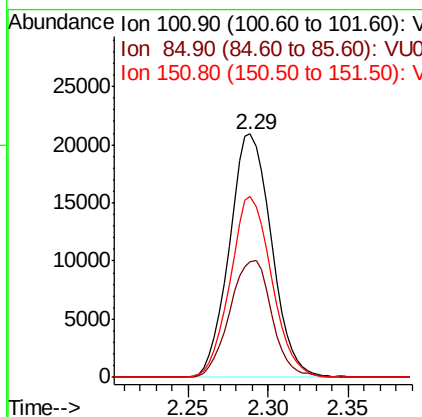
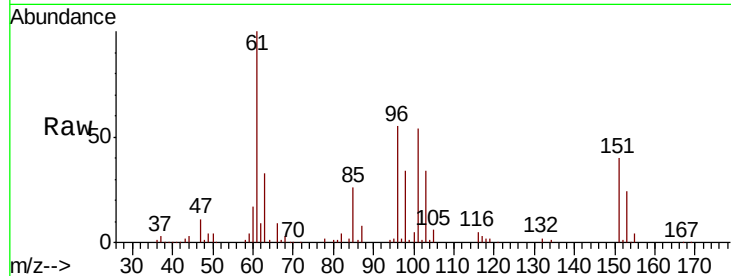
ClientSampleId :

VU1108WBS01

Tot Ion:	101	Resp:	37550
Ion Ratio	Lower	Upper	
101	100		
85	47.9	36.9	55.3
151	73.1	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.995 ug/l

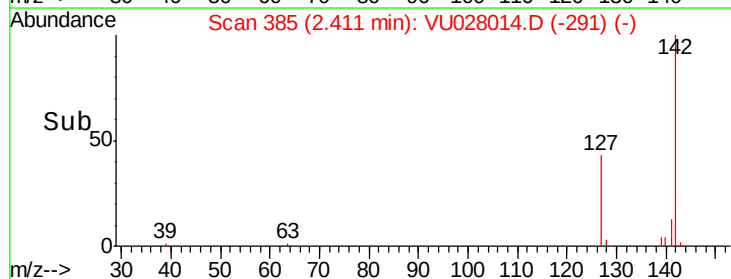
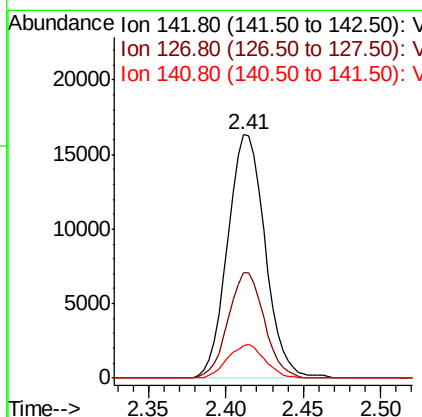
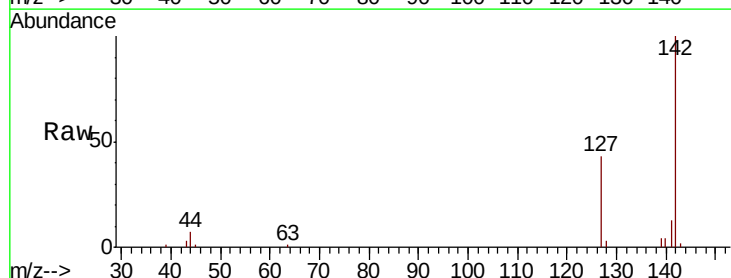
RT: 2.41 min Scan# 385

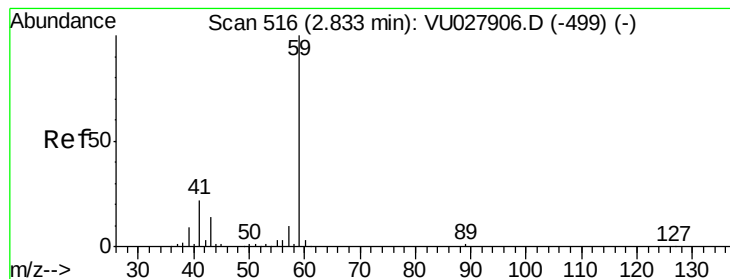
Delta R.T. 0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion:	142	Resp:	27441
Ion Ratio	Lower	Upper	
142	100		
127	41.5	35.2	52.8
141	13.5	11.8	17.8





#11

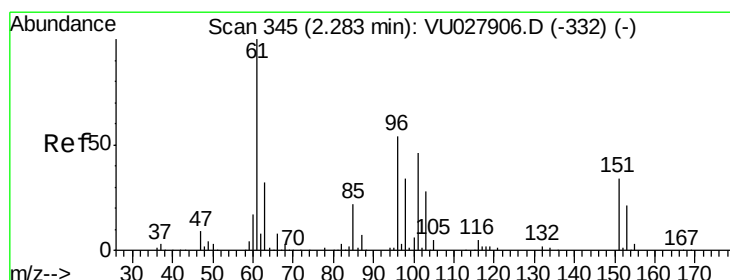
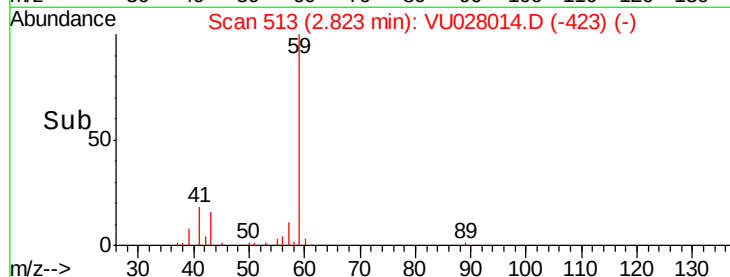
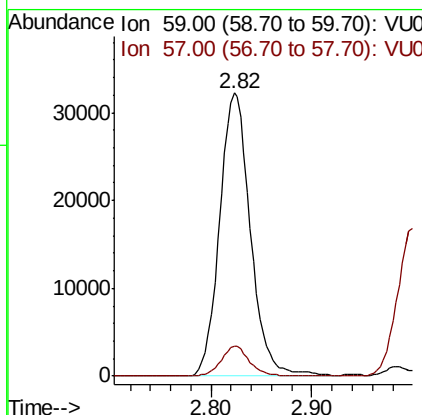
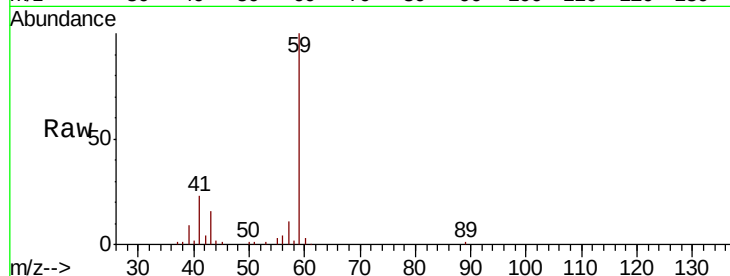
Tert butyl alcohol
Concen: 88.675 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

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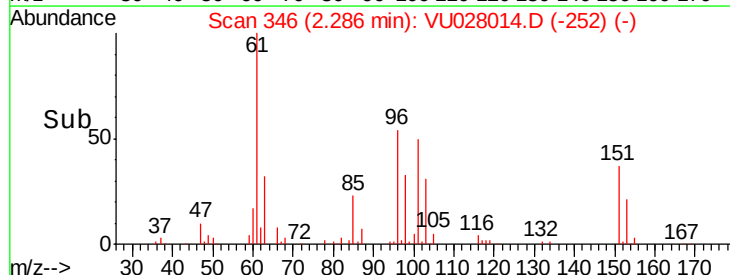
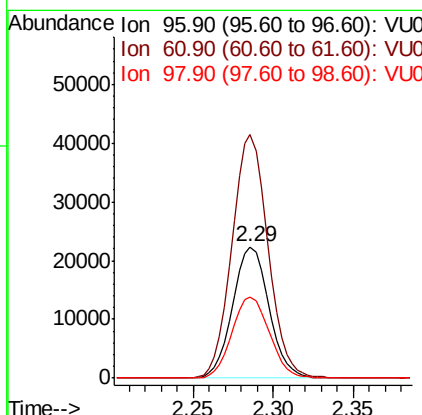
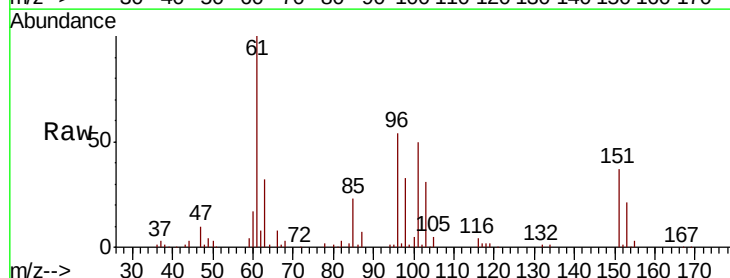
MMDadoda
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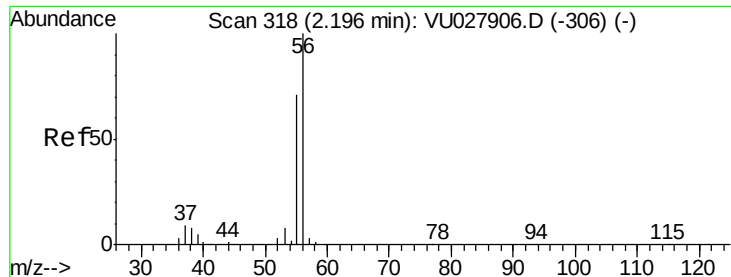


#12

1,1-Dichloroethene
Concen: 16.757 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.1	149.3	223.9
98	61.9	50.6	75.8





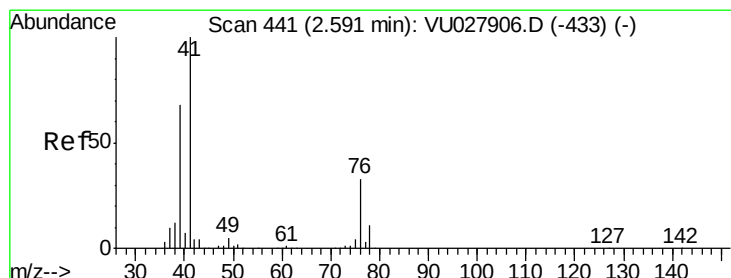
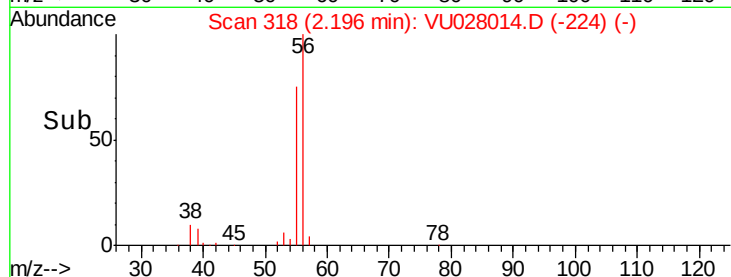
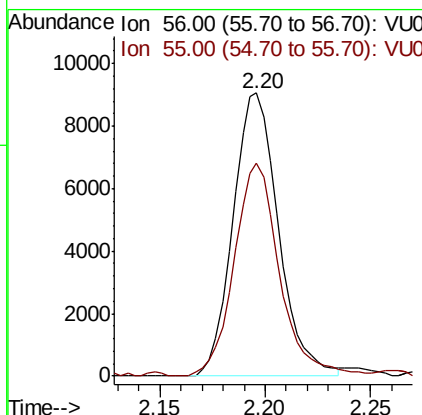
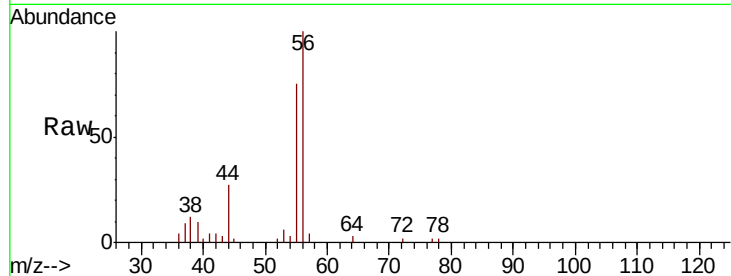
#13
Acrolein
Concen: 41.894 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	56	55	Ratio	Lower	Upper
13564	100	75.3		56.2	84.4

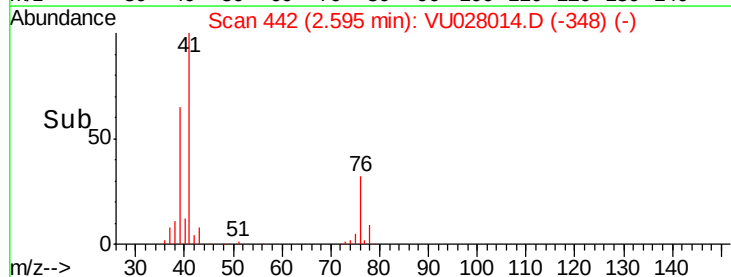
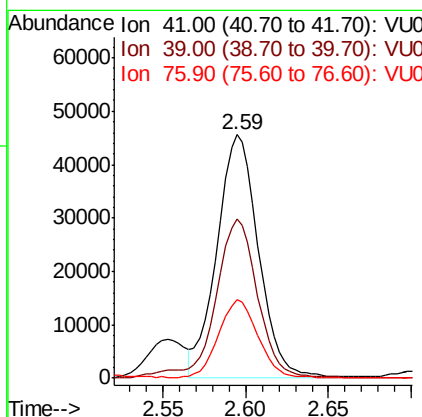
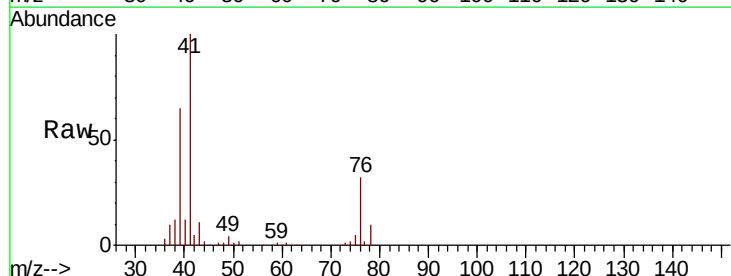
Manual Integrations
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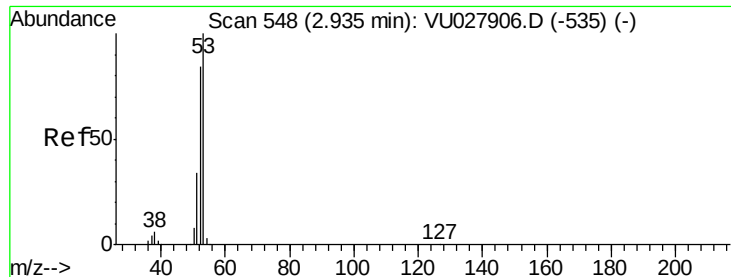
MMDadoda
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#14
Allyl chloride
Concen: 15.654 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	41	39	76	Ratio	Lower	Upper
79006	100	62.9	30.9		51.9	77.9
					23.8	35.6





#15

Acrylonitrile

Concen: 89.381 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

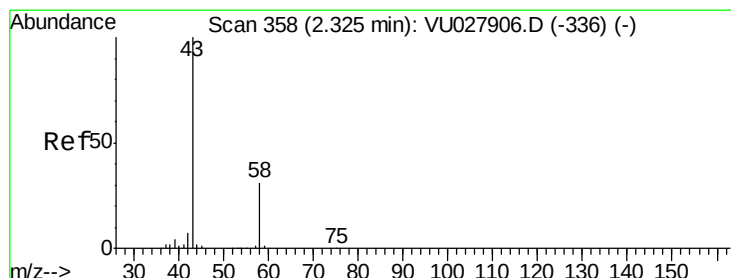
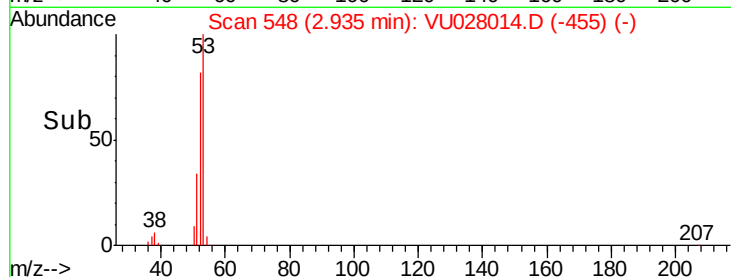
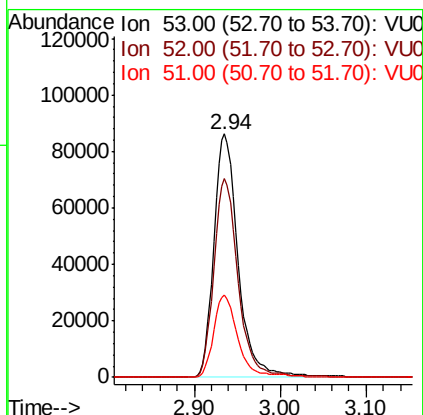
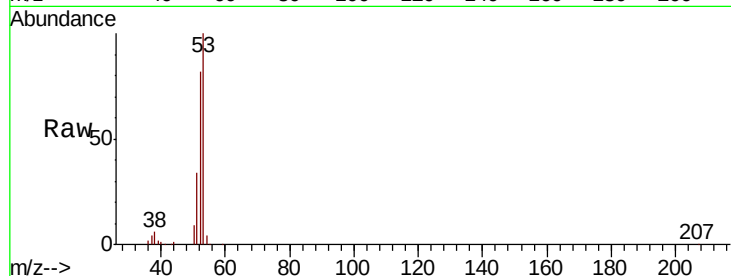
ClientSampleId :

VU1108WBS01

Tot Ion:	53	Resp:	170267
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.2	99.2
51	34.0	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 89.660 ug/l

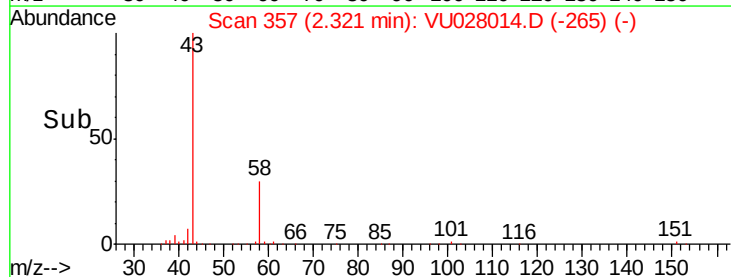
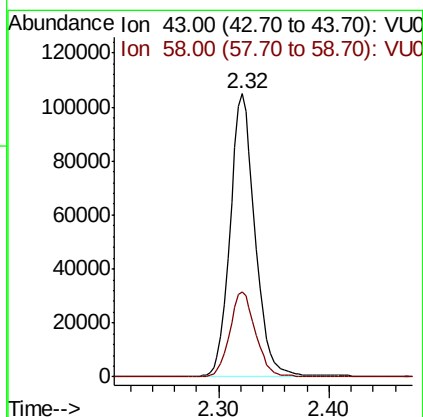
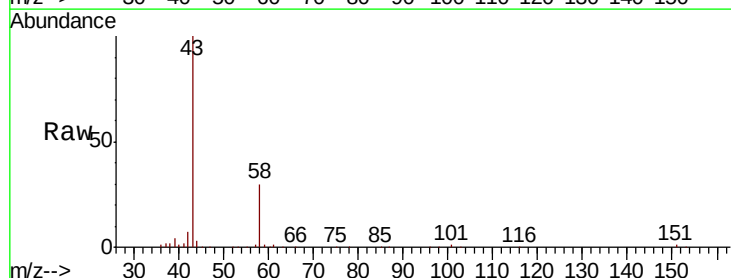
RT: 2.32 min Scan# 357

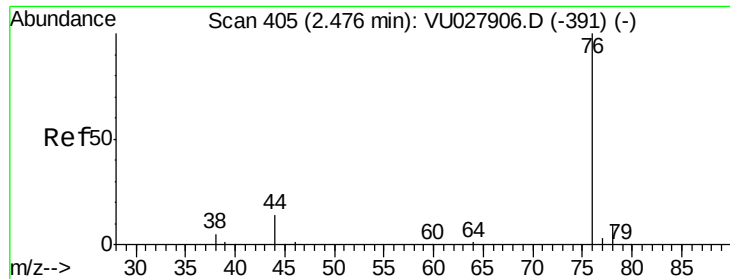
Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion:	43	Resp:	162958
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	37.0





#17

Carbon Disulfide

Concen: 14.765 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 76 Resp: 99658

Ion Ratio Lower Upper

76 100

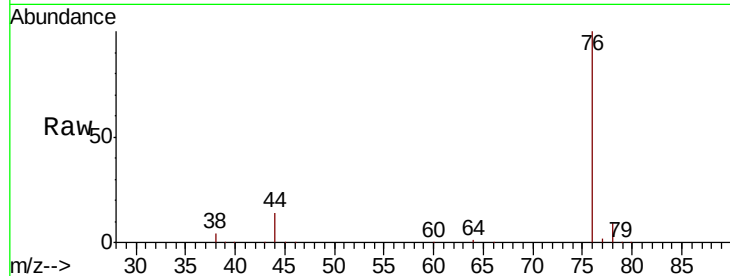
78 8.7 7.4 11.0

Manual Integrations

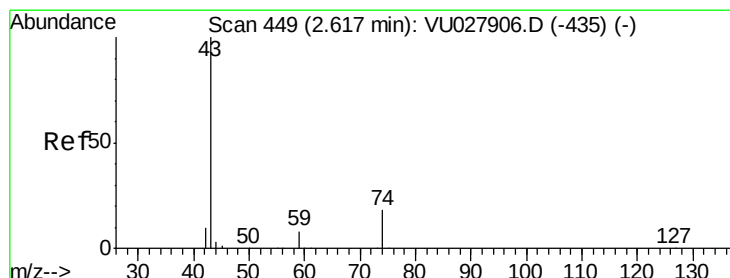
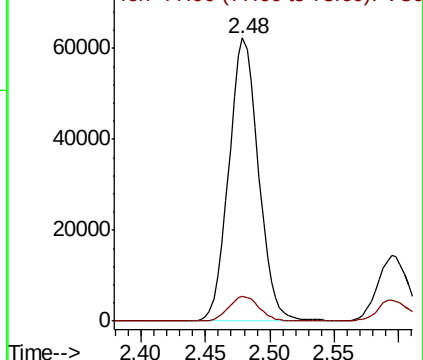
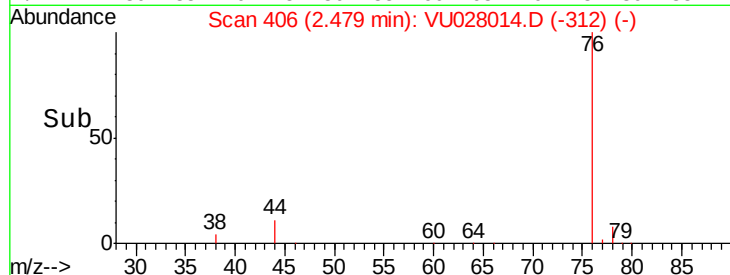
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Abundance Ion 75.90 (75.60 to 76.60): VU028014.D (-312) (-)



#18

Methyl Acetate

Concen: 18.131 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU028014.D

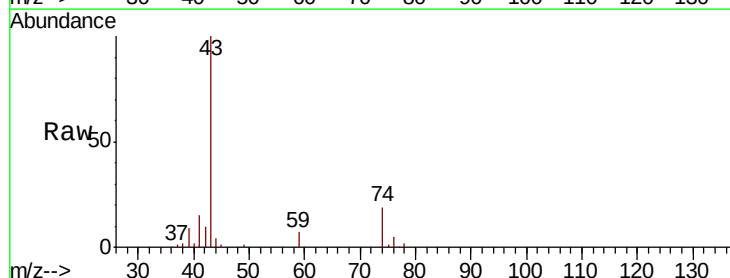
Acq: 08 Nov 2018 10:36

Tgt Ion: 43 Resp: 90648

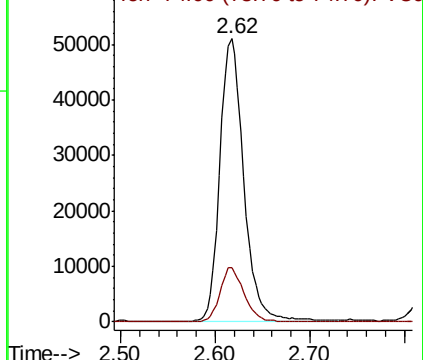
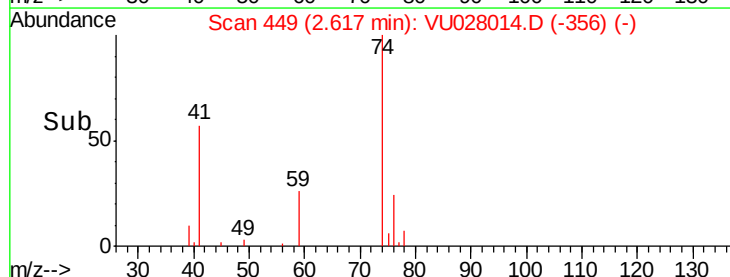
Ion Ratio Lower Upper

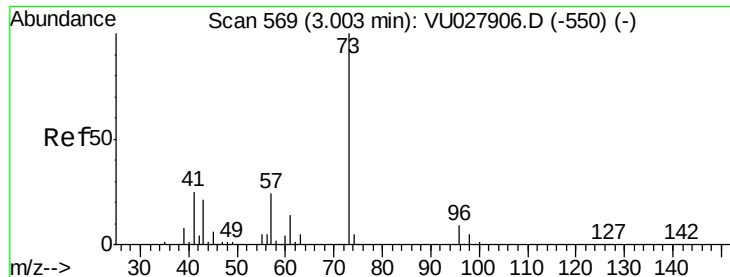
43 100

74 19.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU028014.D (-356) (-)





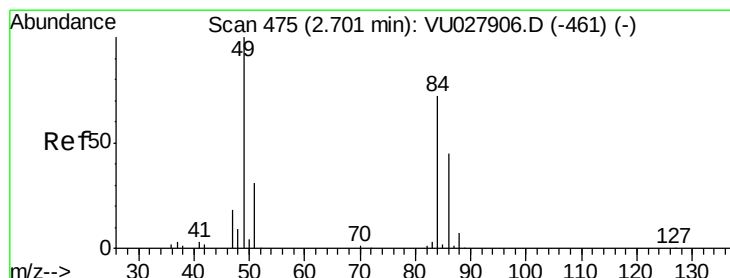
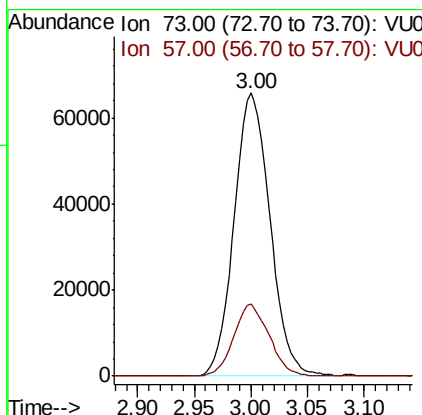
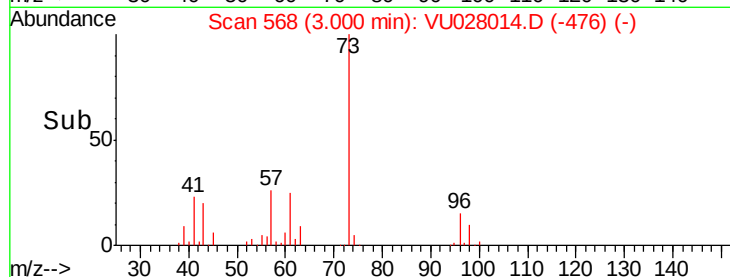
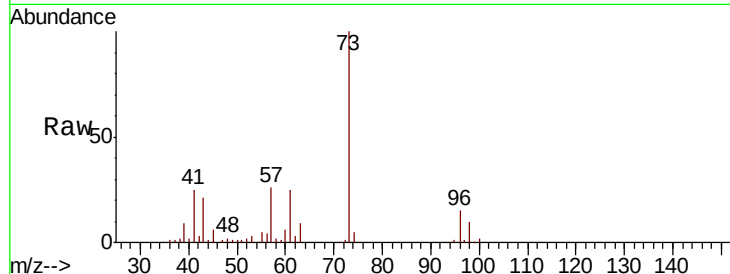
#19
Methyl tert-butyl Ether
Concen: 17.498 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.5	19.3	28.9

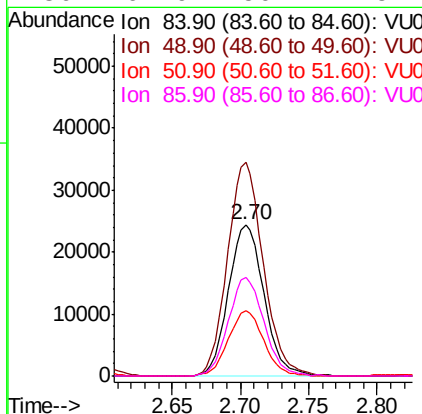
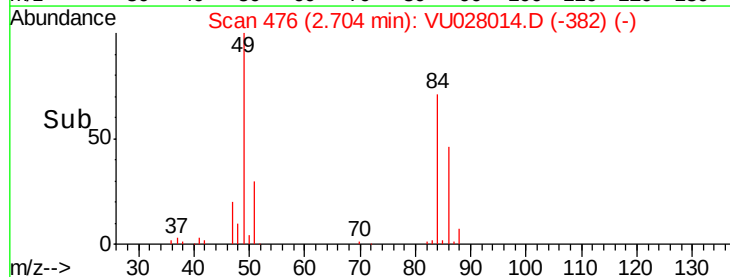
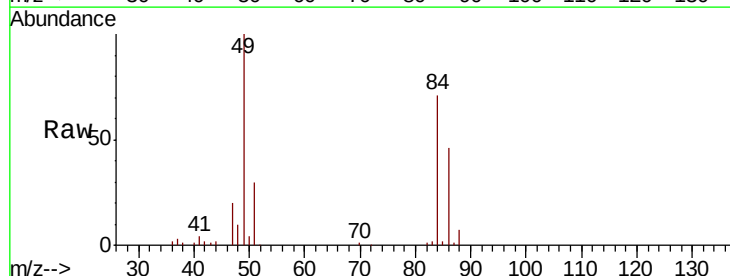
Manual Integrations
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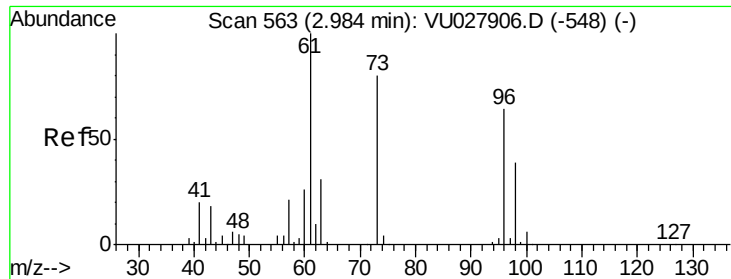
MMDadoda
11/9/2018 12:03:04 PM



#20
Methylene Chloride
Concen: 16.667 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.1	111.6	167.4
51	42.8	34.8	52.2
86	64.9	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 16.140 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

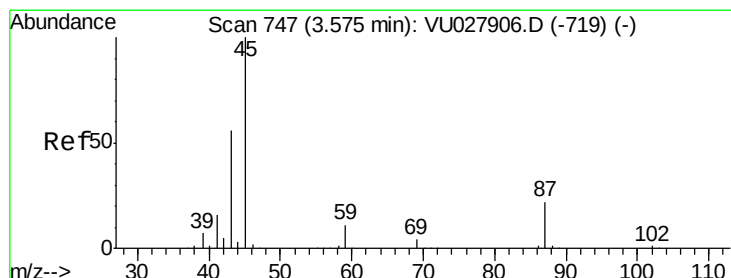
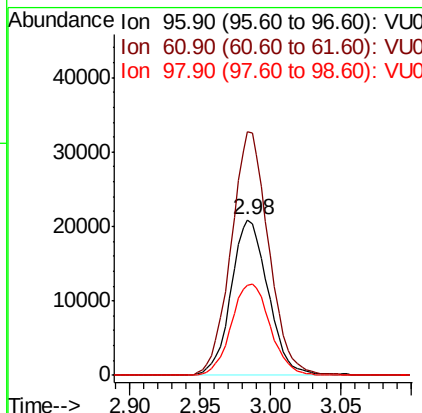
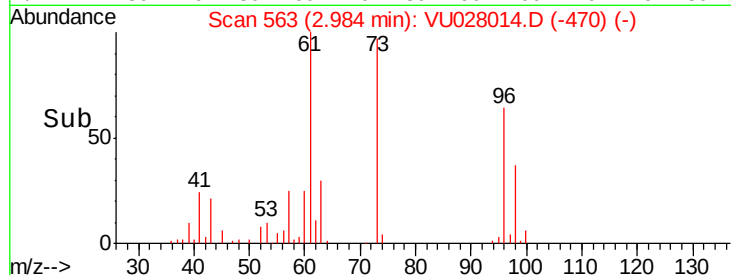
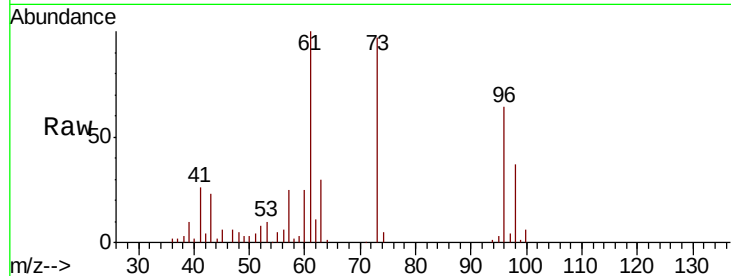
ClientSampleId :

VU1108WBS01

Tot Ion:	96	Resp:	38464
Ion	Ratio	Lower	Upper
96	100		
61	156.5	125.0	187.6
98	58.2	48.2	72.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.422 ug/l

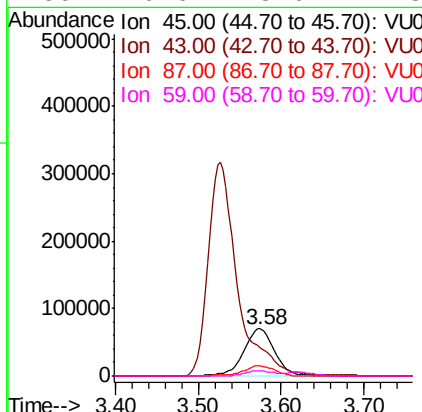
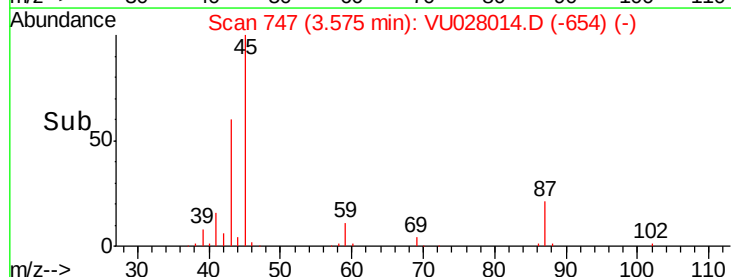
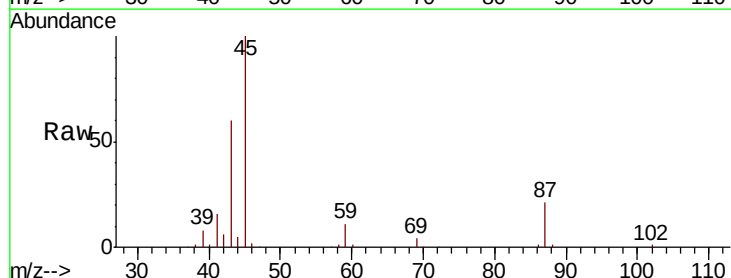
RT: 3.58 min Scan# 747

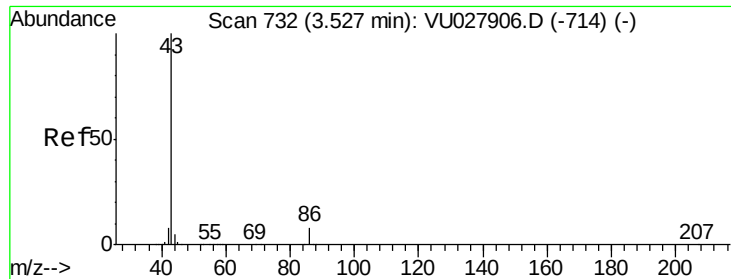
Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion:	45	Resp:	181528
Ion	Ratio	Lower	Upper
45	100		
43	58.1	45.0	67.6
87	20.7	17.9	26.9
59	10.6	8.6	12.8





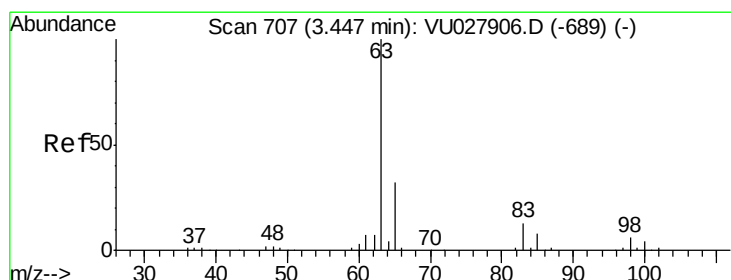
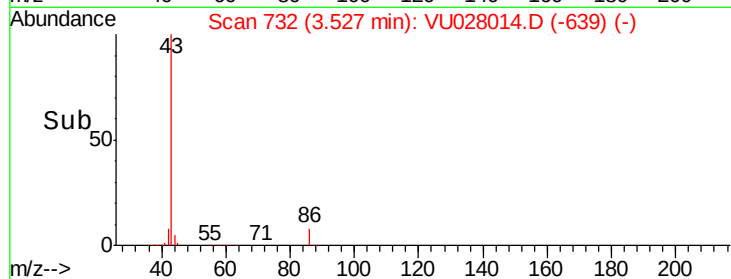
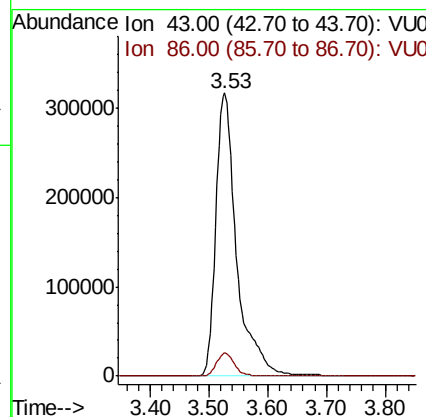
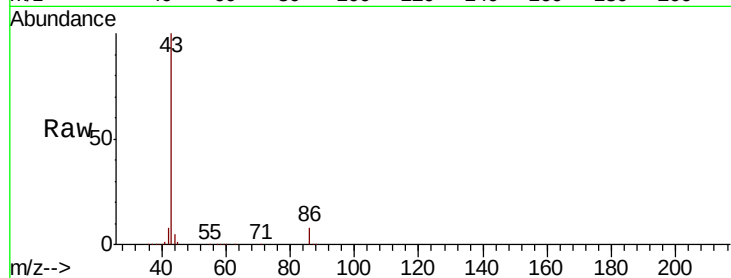
#23
 Vinyl Acetate
 Concen: 87.586 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8

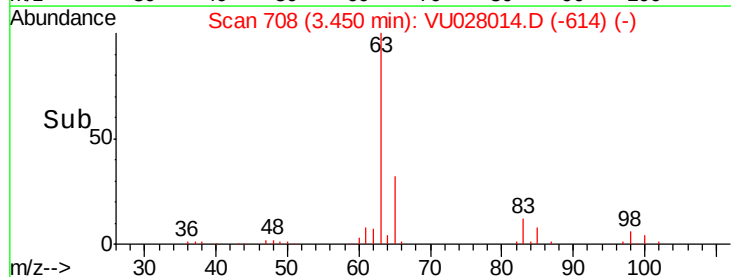
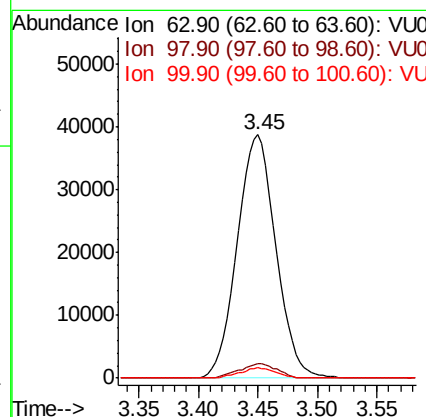
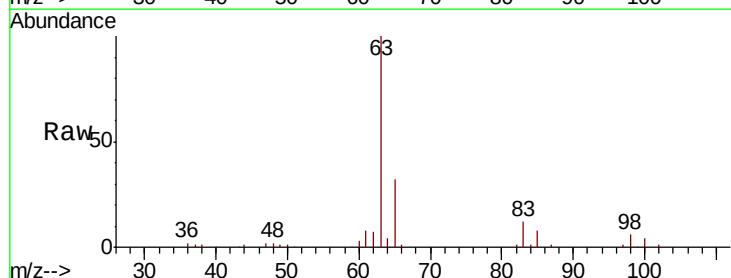
Manual Integrations
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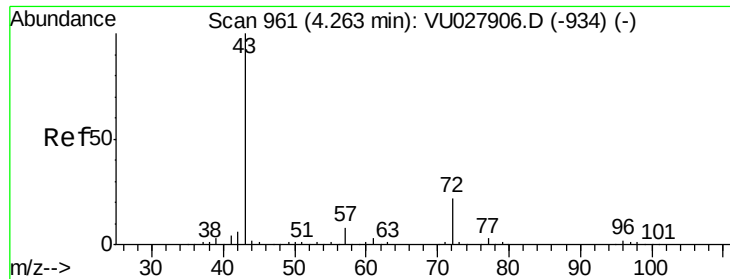
MMDadoda
 11/9/2018 12:03:04 PM



#24
 1,1-Dichloroethane
 Concen: 16.801 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.6
100	4.2	2.0	6.0





#25

2-Butanone

Concen: 87.766 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 43 Resp: 253772

Ion Ratio Lower Upper

43 100

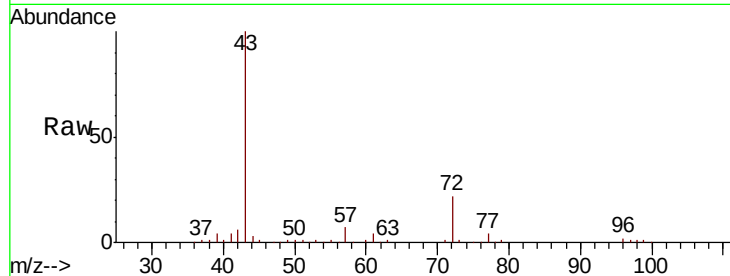
72 22.4 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

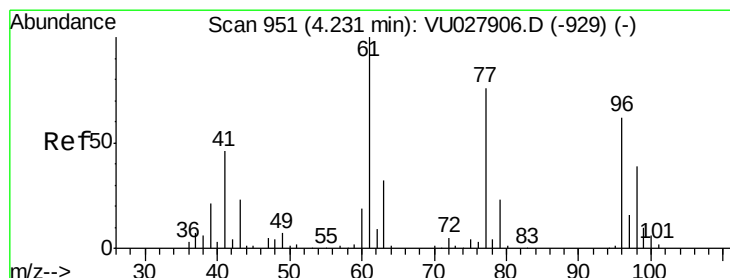
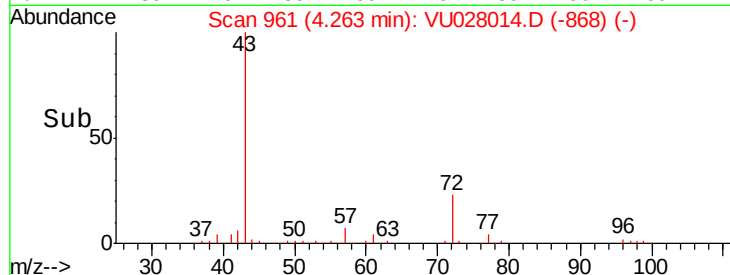
40000

20000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 17.960 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028014.D

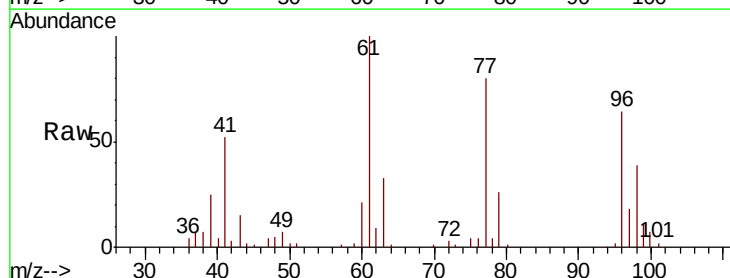
Acq: 08 Nov 2018 10:36

Tgt Ion: 77 Resp: 69951

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

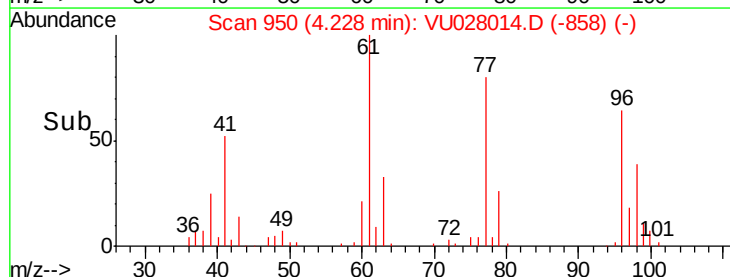
10000

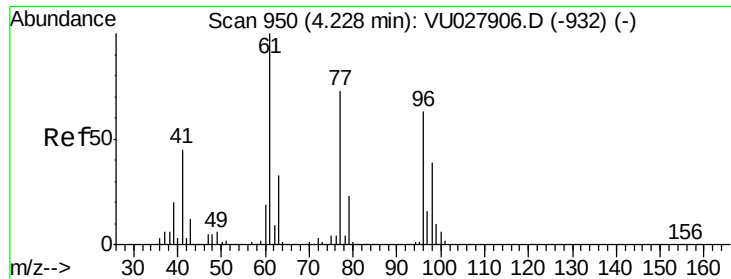
5000

0

4.10 4.20 4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 17.951 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 96 Resp: 47973

Ion Ratio Lower Upper

96 100

61 161.0 0.0 329.6

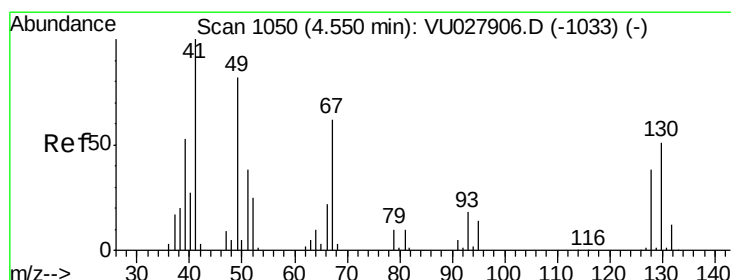
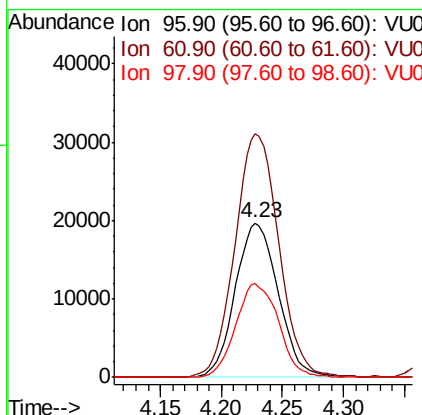
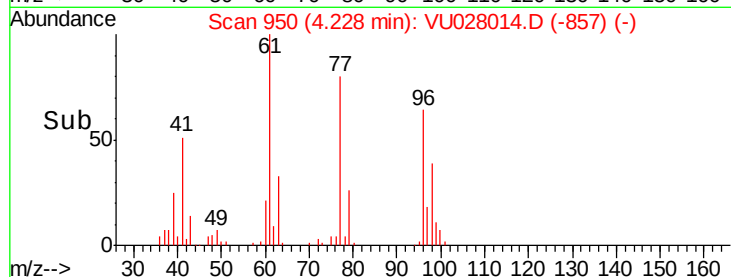
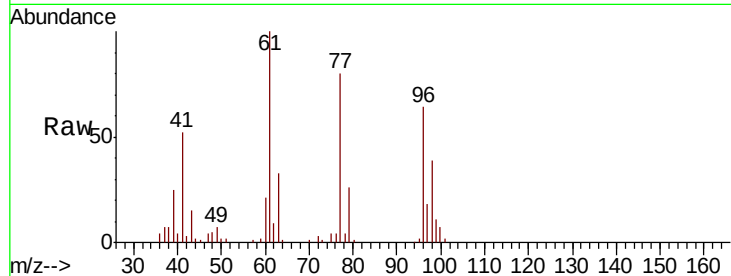
98 60.7 0.0 127.2

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#28

Bromochloromethane

Concen: 20.053 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

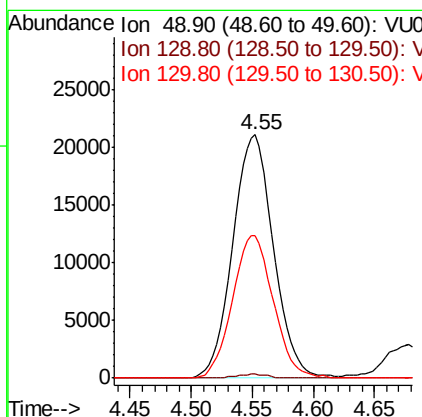
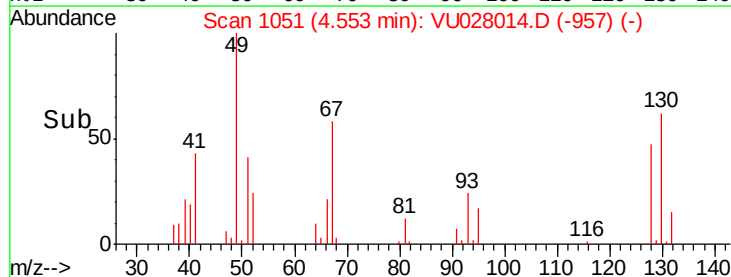
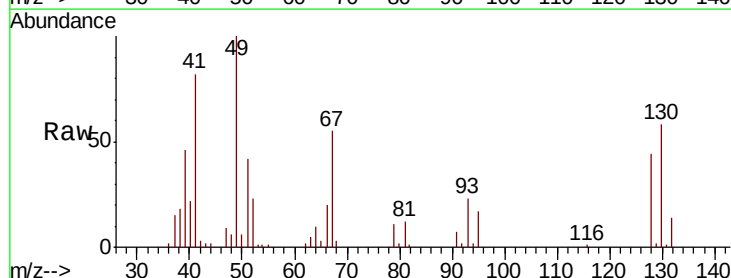
Tgt Ion: 49 Resp: 48792

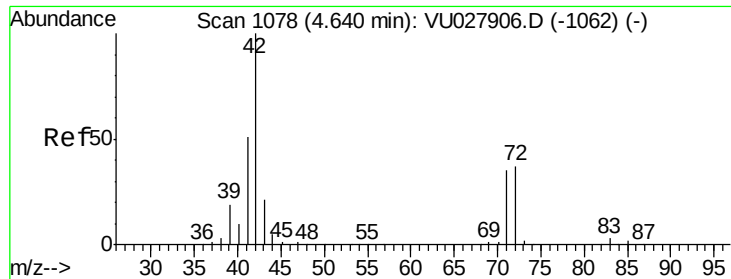
Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.0

130 58.4 47.8 71.6





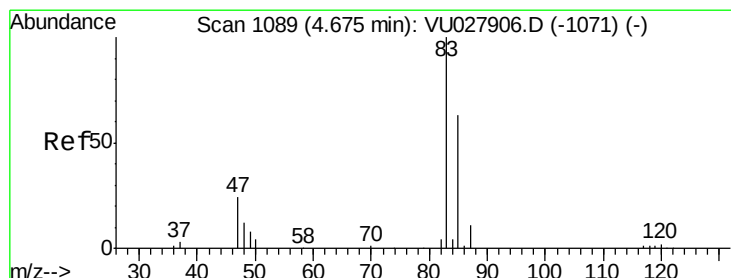
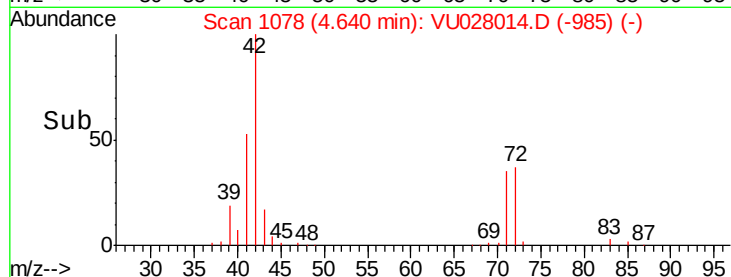
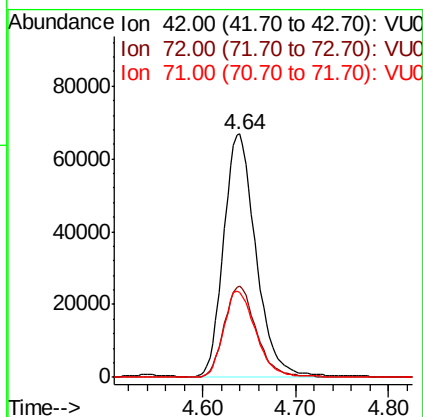
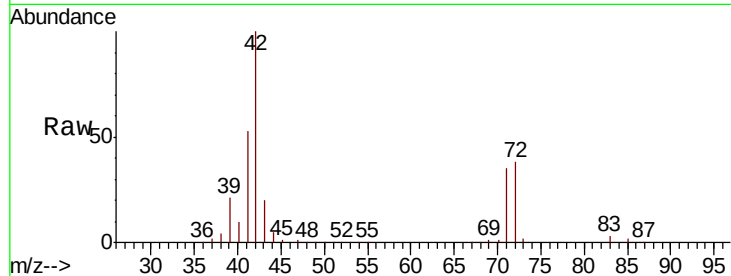
#29
Tetrahydrofuran
Concen: 83.453 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.4	44.0
71	35.4	27.9	41.9

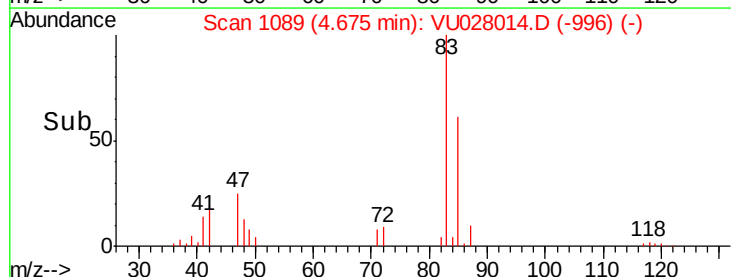
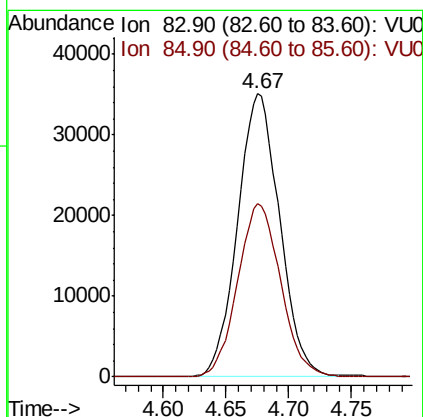
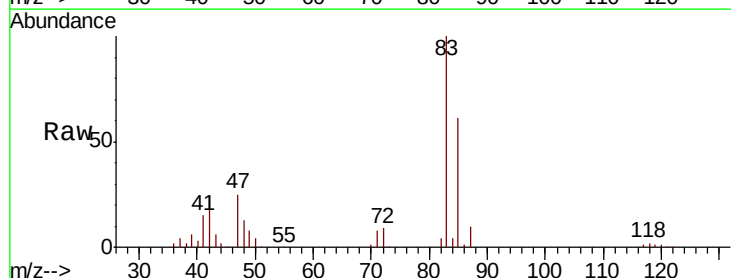
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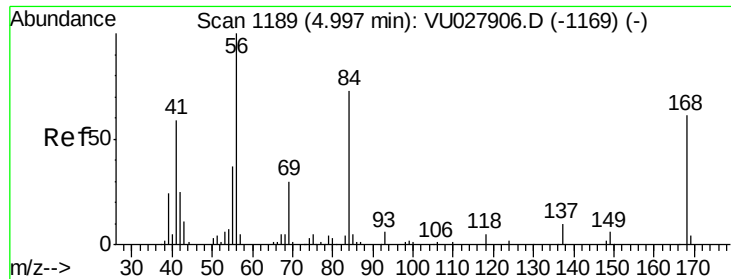
MMDadoda
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#30
Chloroform
Concen: 17.221 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.6	76.0





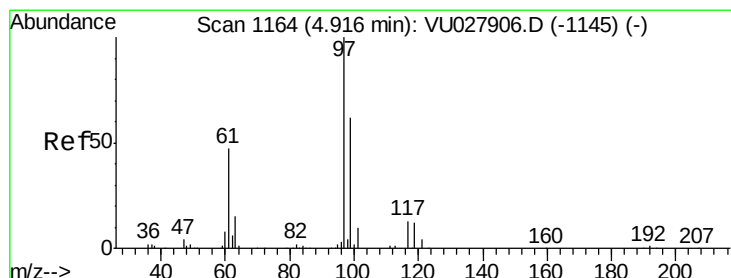
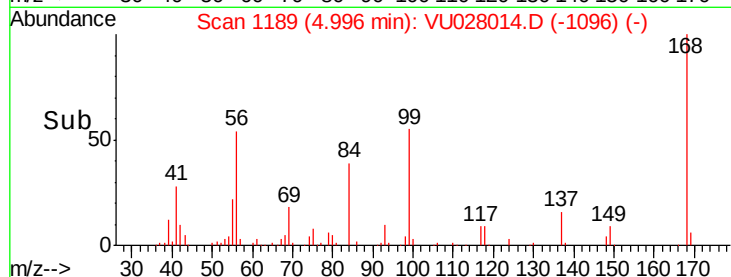
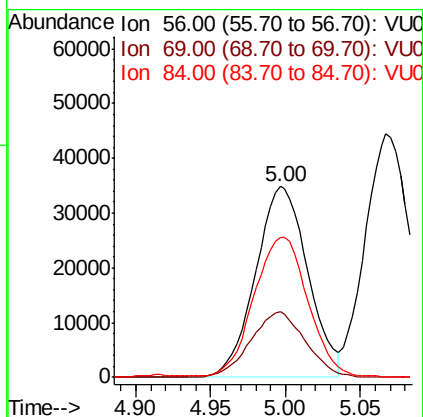
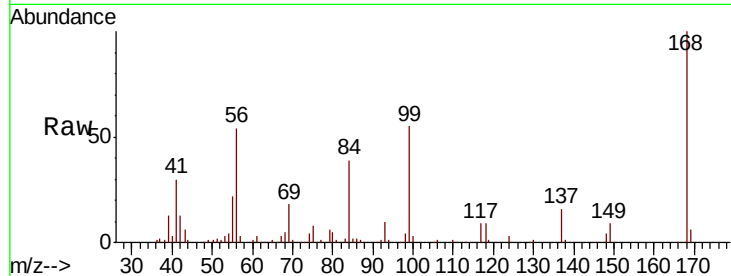
#31
Cyclohexane
Concen: 15.460 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	23.7	35.5
84	72.2	58.2	87.4

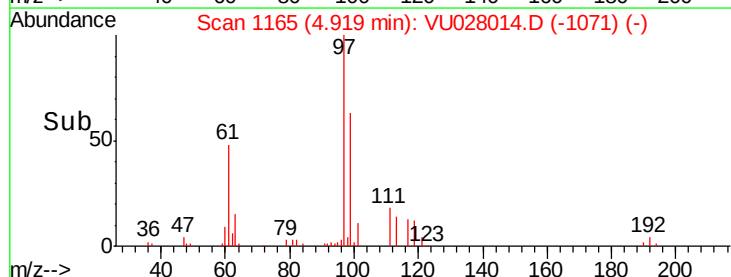
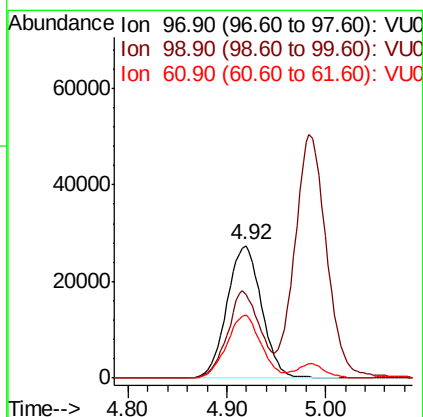
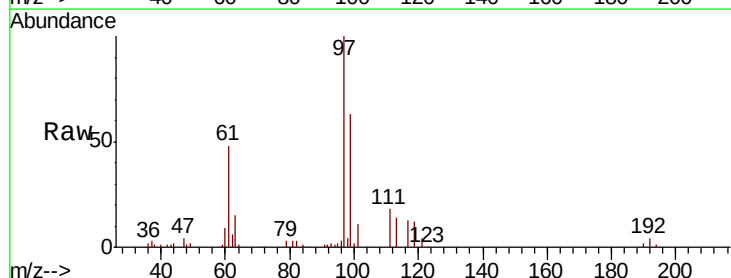
Manual Integrations
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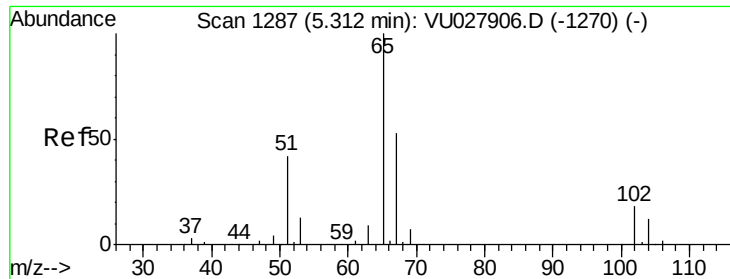
MMDadoda
11/9/2018 12:03:04 PM



#32
1,1,1-Trichloroethane
Concen: 17.650 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.5	75.7
61	46.9	38.3	57.5





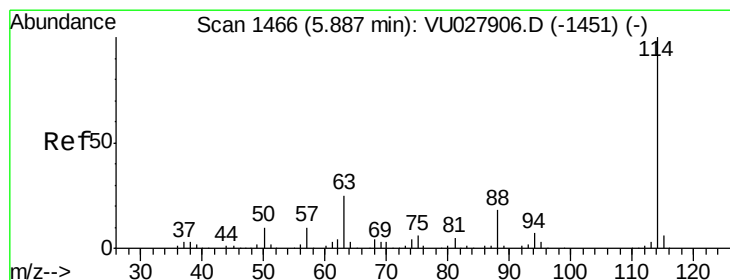
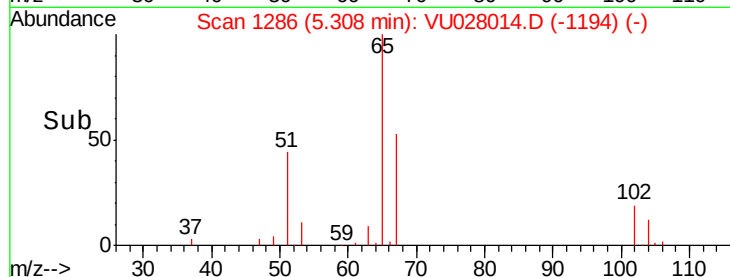
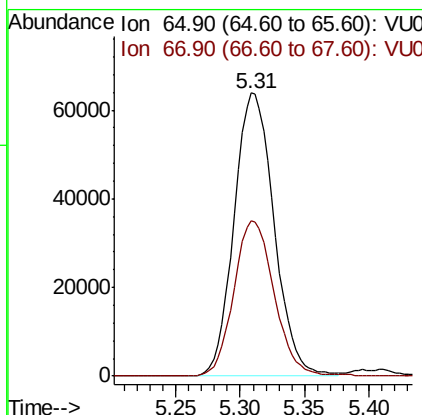
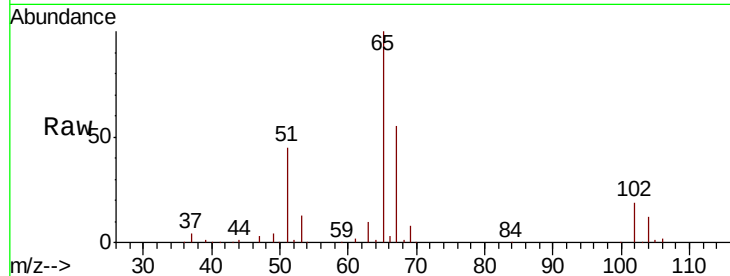
#33
 1,2-Dichloroethane-d4
 Concen: 47.116 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138020		
67	55.0	0.0	109.0	

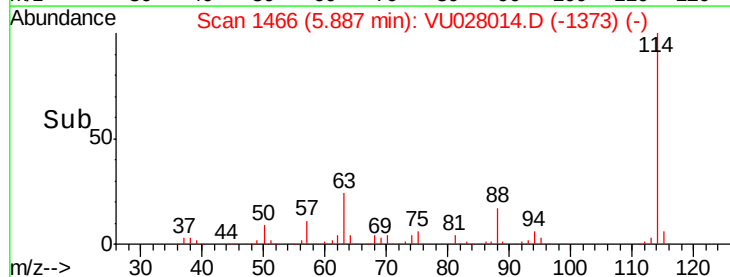
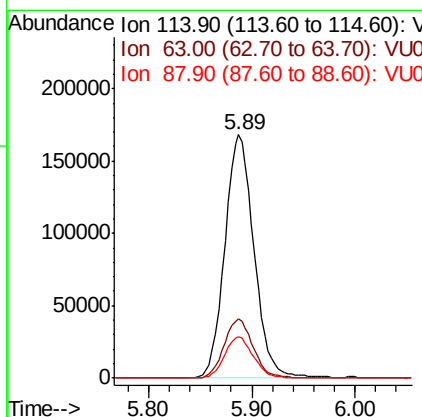
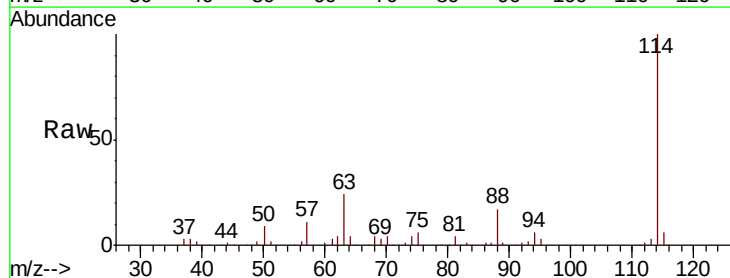
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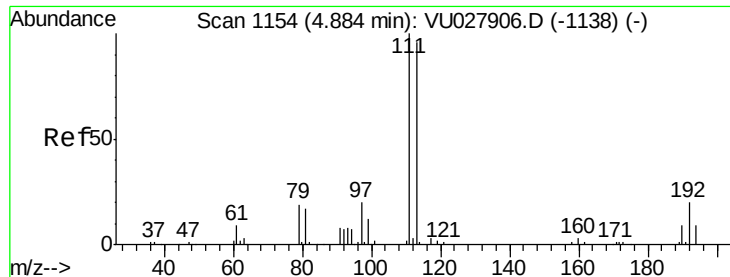
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	331166		
63	24.1	0.0	50.8	
88	16.9	0.0	35.8	





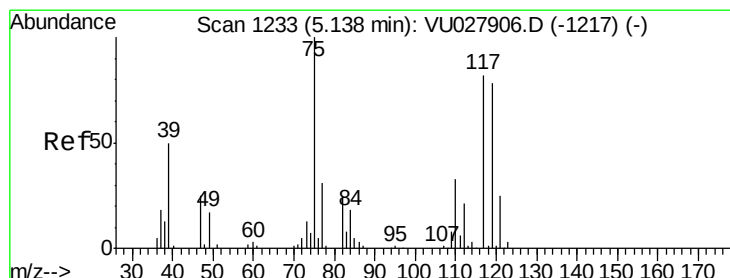
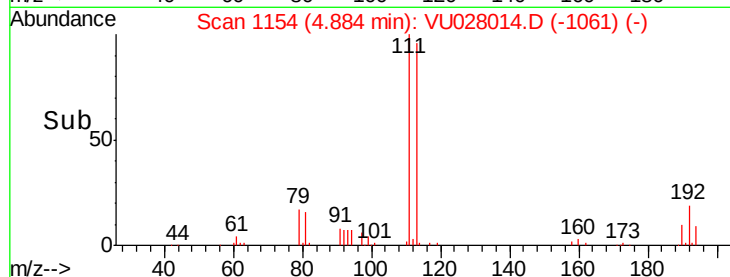
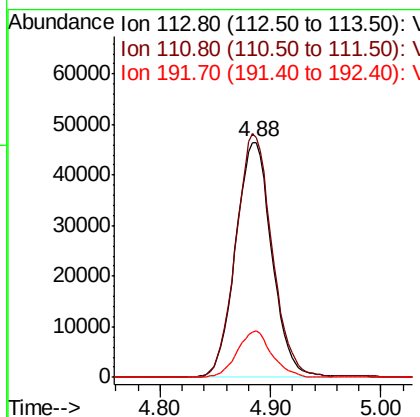
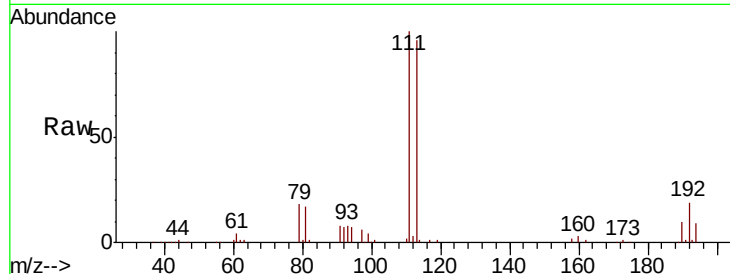
#35
 Dibromofluoromethane
 Concen: 50.822 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	83.0	124.6	
192	18.6	15.6	23.4	

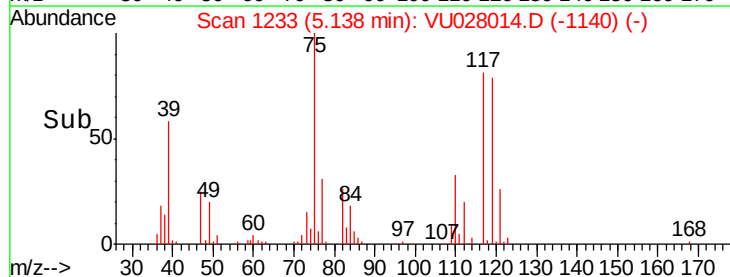
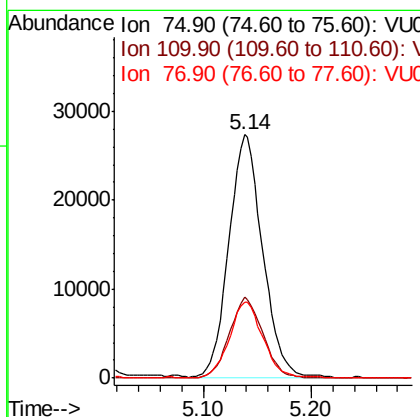
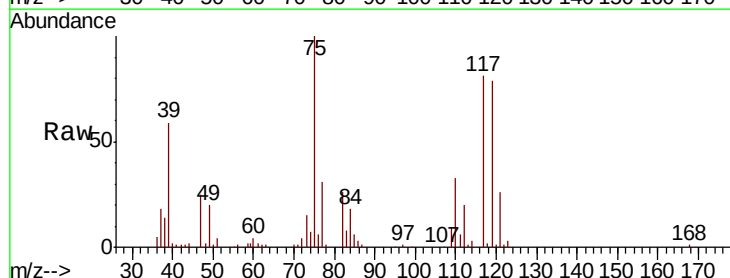
Manual Integrations
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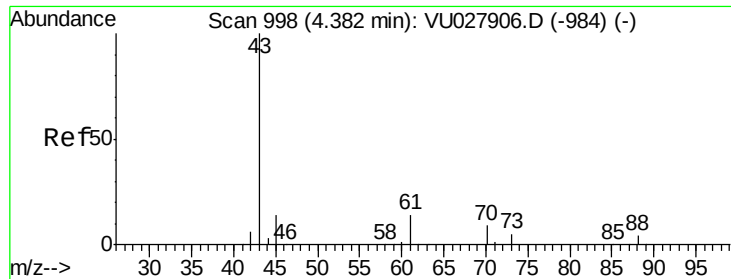
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.290 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.6	16.5	49.5	
77	31.0	24.9	37.3	





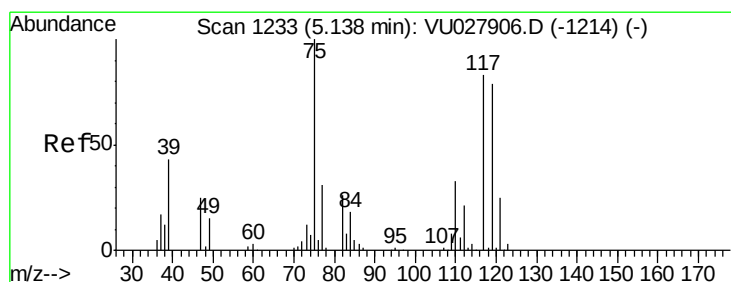
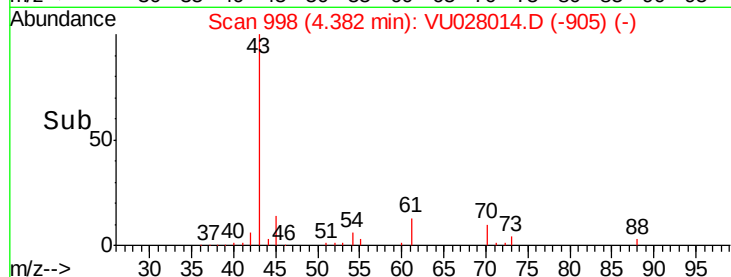
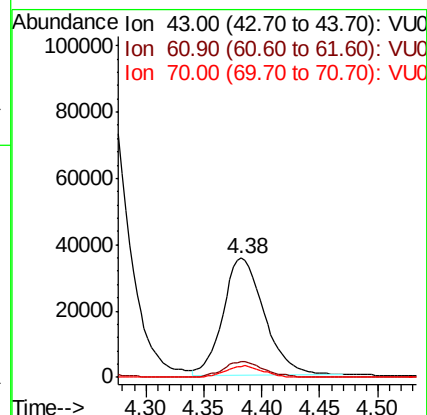
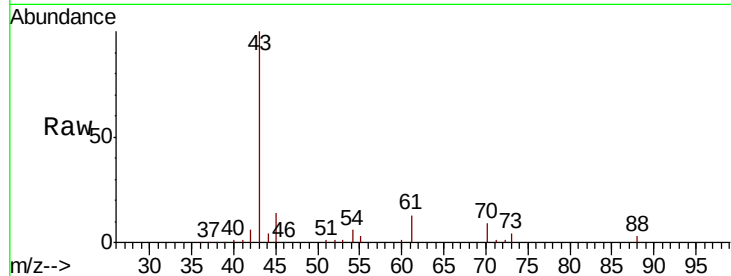
#37
Ethyl Acetate
Concen: 17.320 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	9.0	7.0	10.6

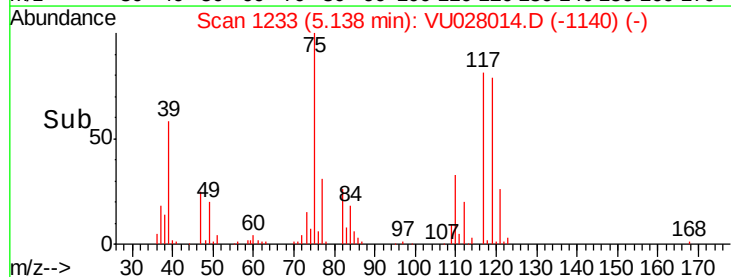
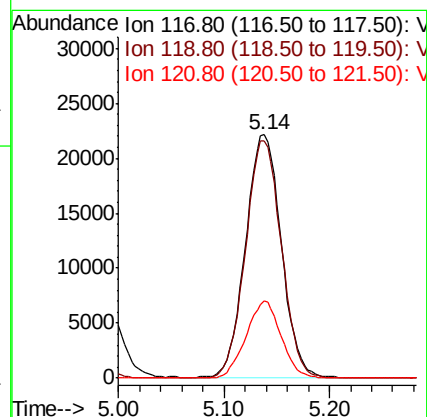
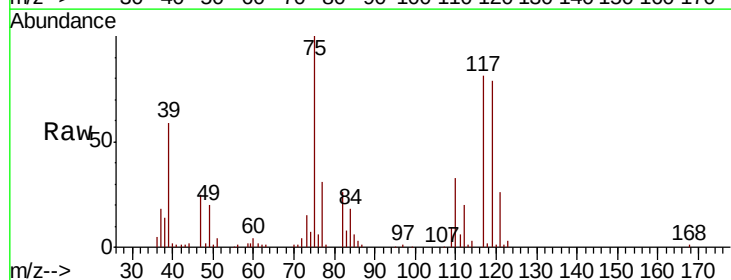
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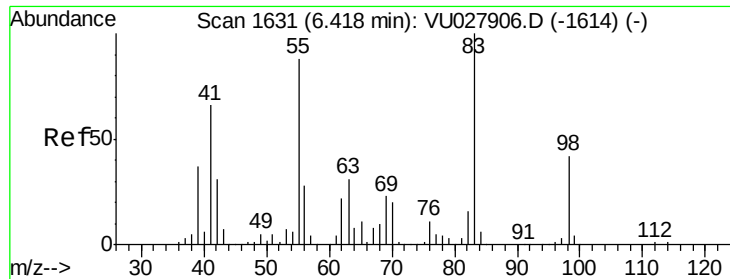
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#38
Carbon Tetrachloride
Concen: 17.102 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.0	114.0
121	31.8	24.5	36.7





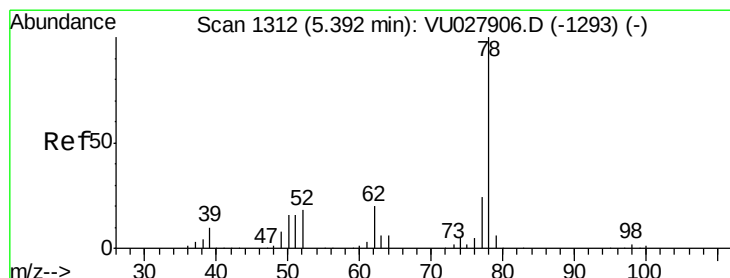
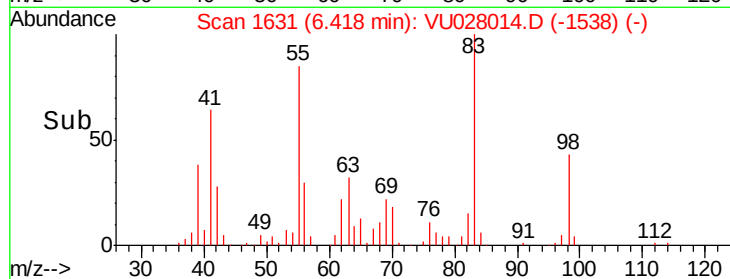
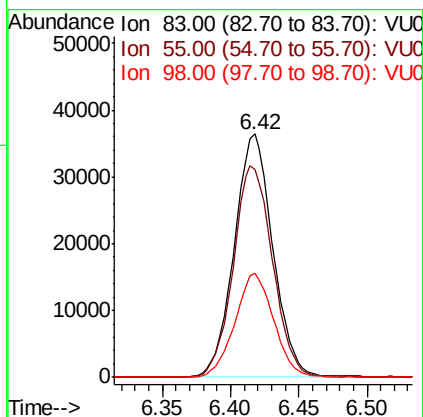
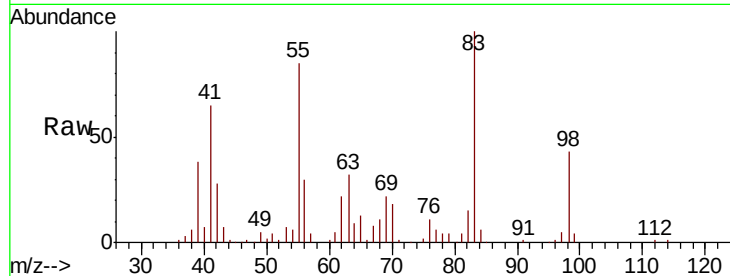
#39
Methylvlcyclohexane
Concen: 17.124 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	83	Resp	71636
Ion Ratio	100	Lower	Upper
83	100		
55	85.0	70.3	105.5
98	42.6	34.0	51.0

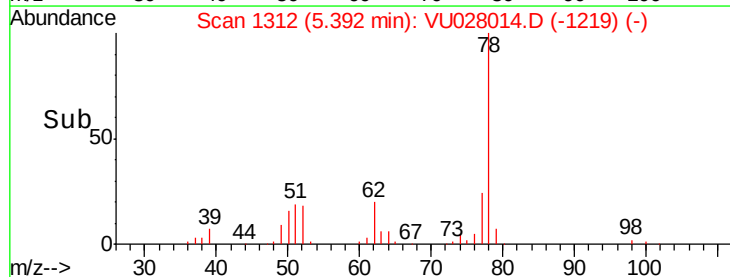
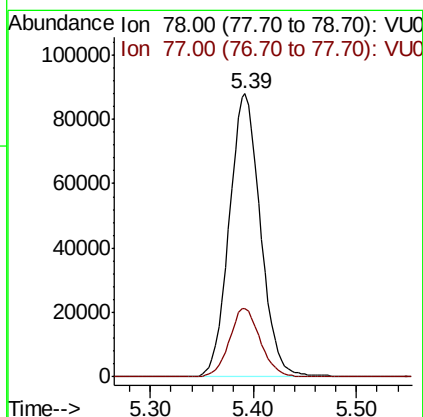
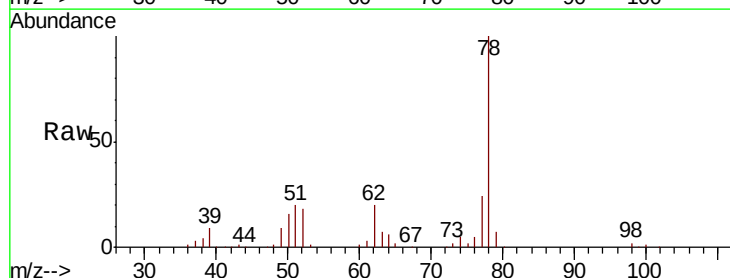
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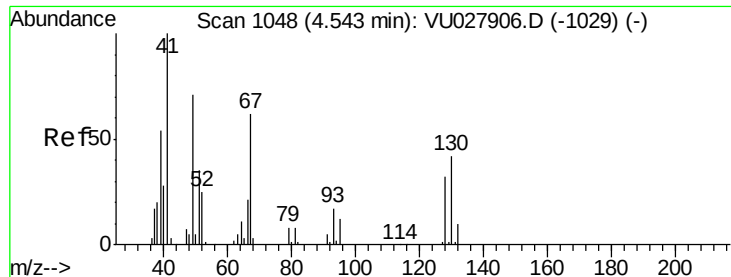
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#40
Benzene
Concen: 17.490 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	78	Resp	185466
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.3	28.9





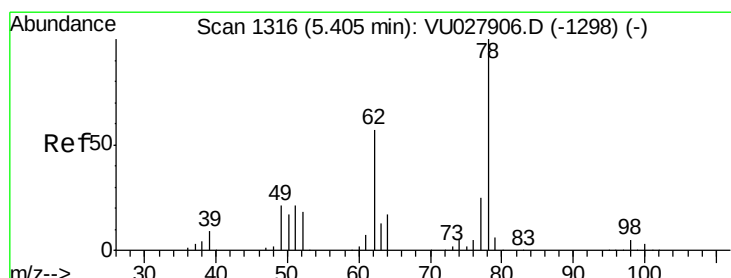
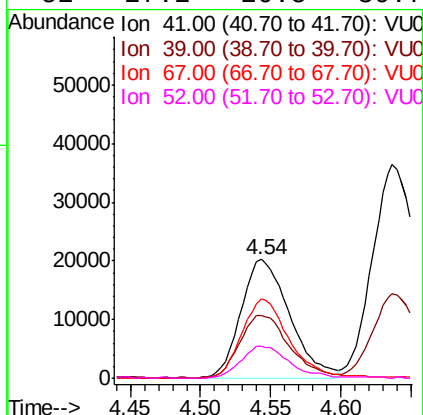
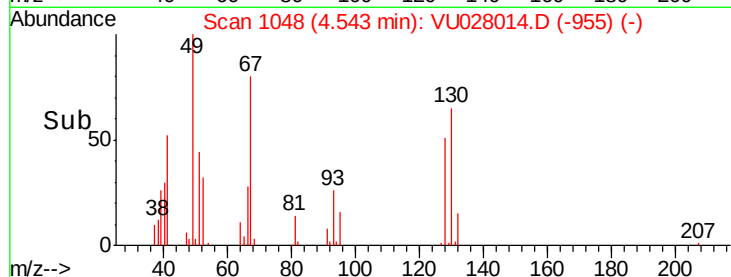
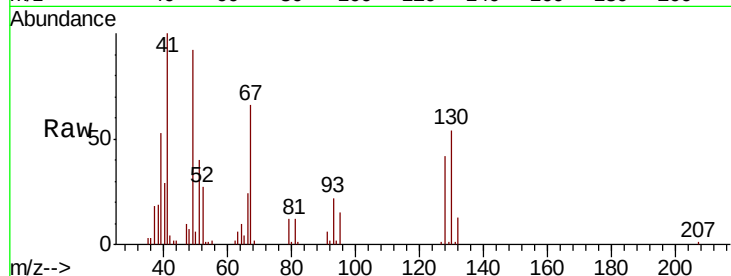
#41
Methacrylonitrile
Concen: 18.083 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampled :
VU1108WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.2	63.4	
67	65.2	49.5	74.3	
52	27.2	20.5	30.7	

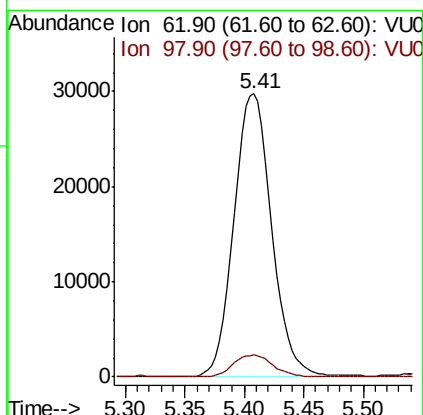
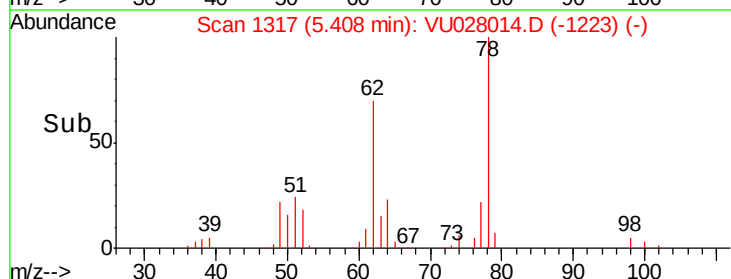
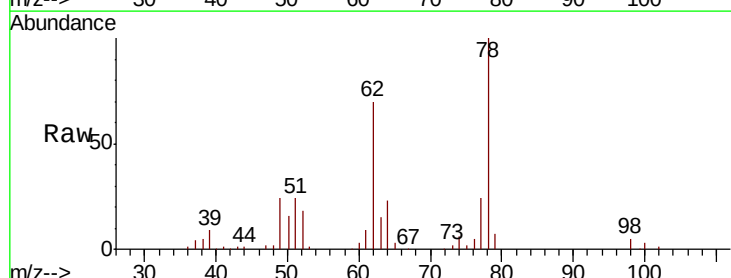
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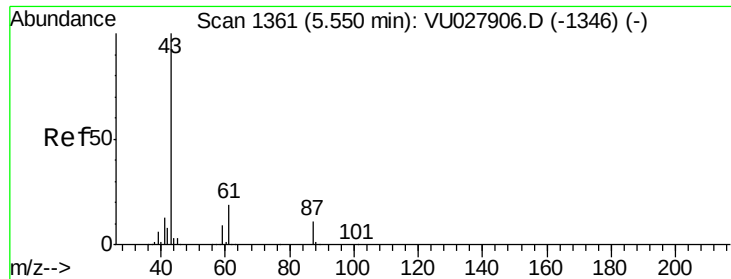
MMDadoda
11/9/2018 12:03:04 PM



#42
1,2-Dichloroethane
Concen: 17.360 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.2	





#43

Isopropyl Acetate

Concen: 17.841 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

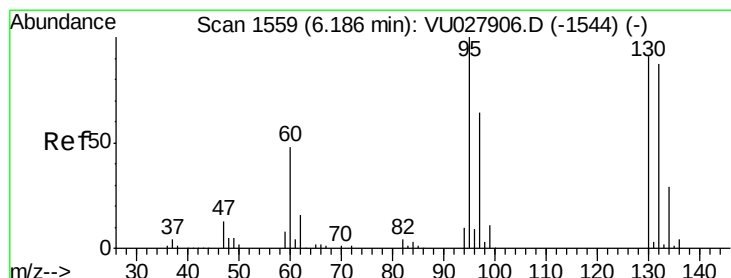
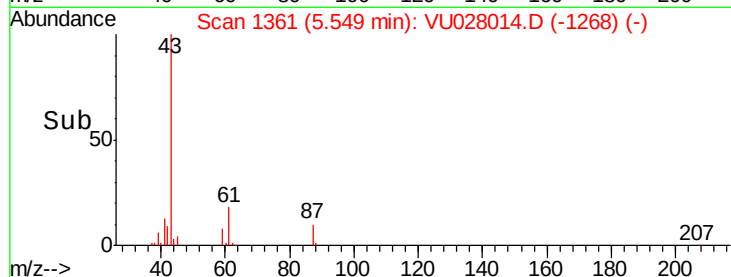
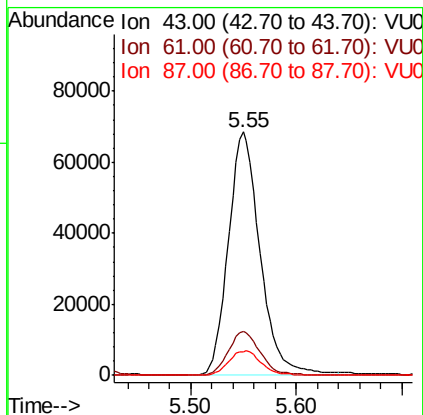
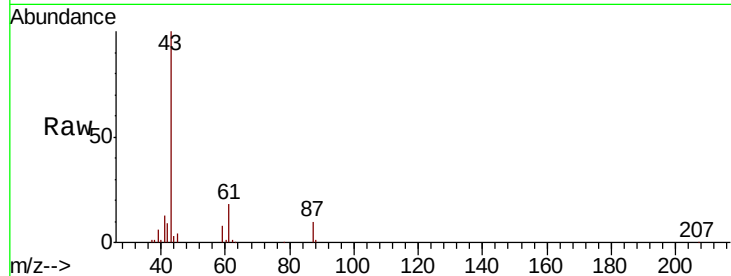
ClientSampleId :

VU1108WBS01

Tot Ion:	43	Resp:	142047
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.0	22.4
87	10.4	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 17.518 ug/l

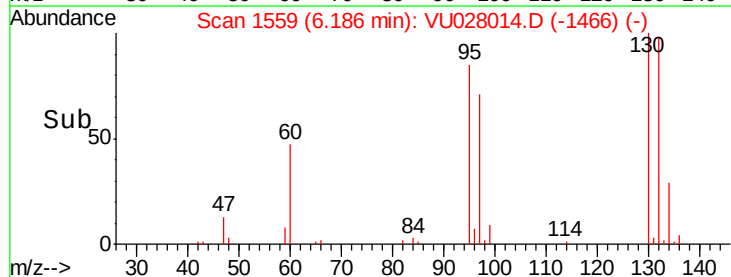
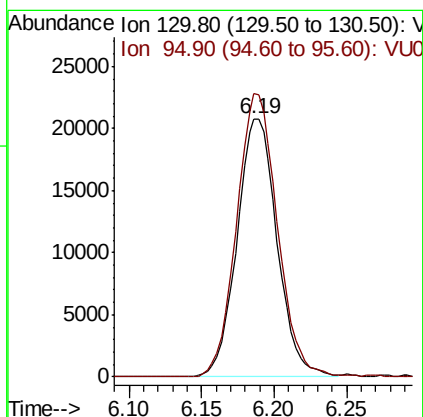
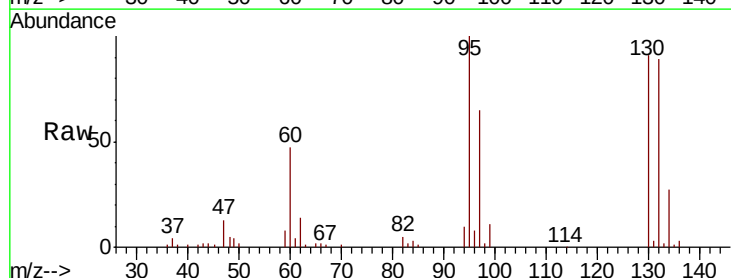
RT: 6.19 min Scan# 1559

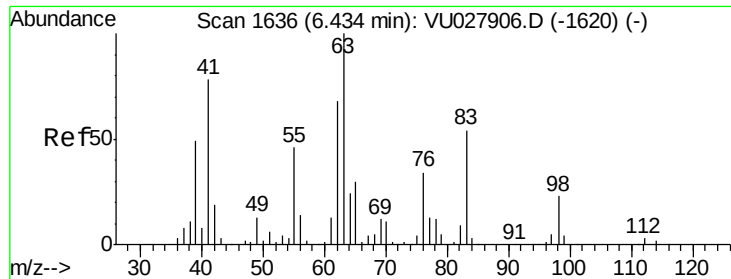
Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion:	130	Resp:	39931
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	219.2





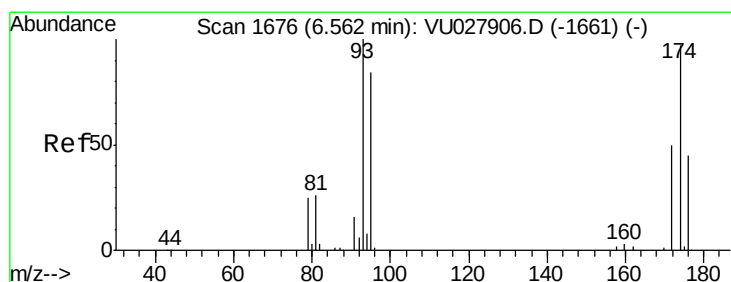
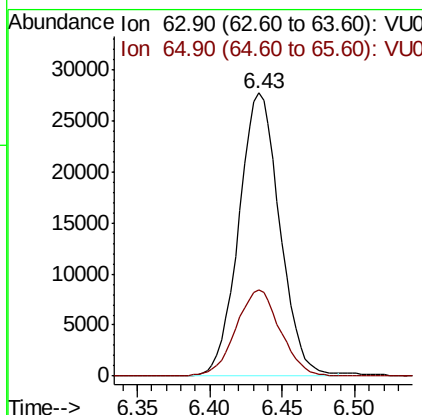
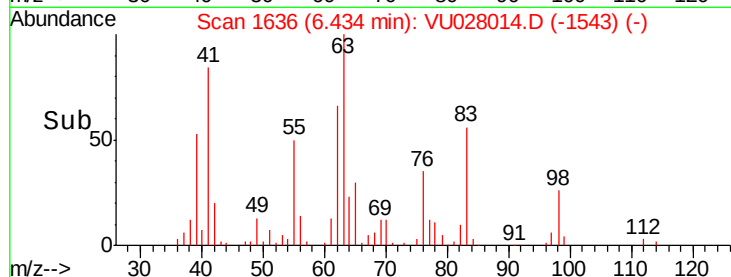
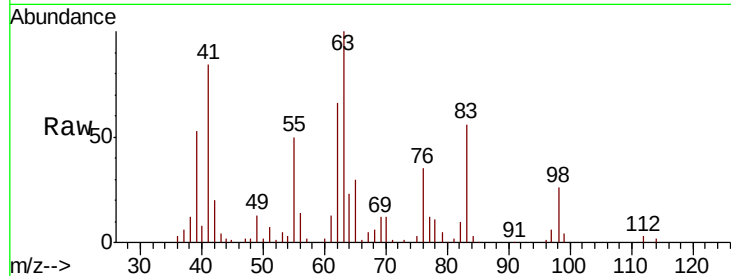
#45
 1,2-Dichloropropane
 Concen: 17.816 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion: 63 Resp: 54484
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6

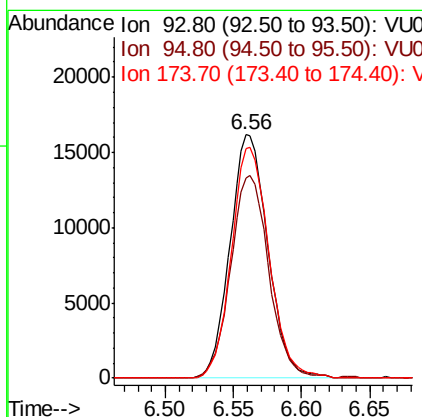
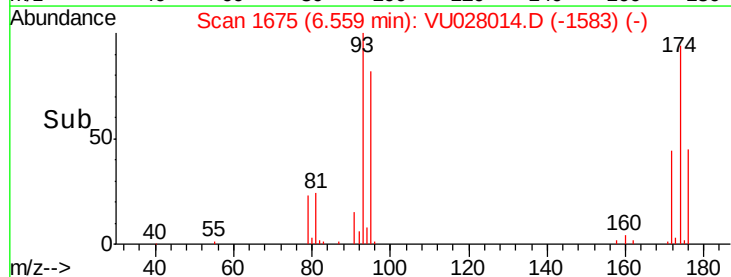
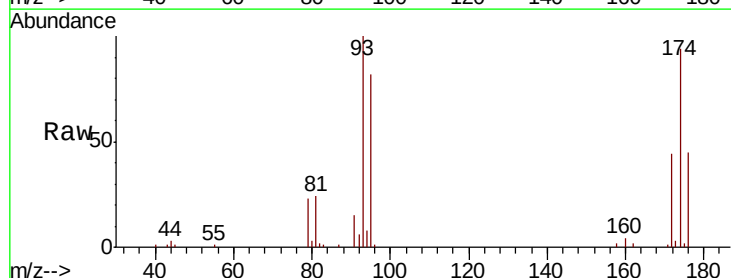
Manual Integrations
 APPROVED

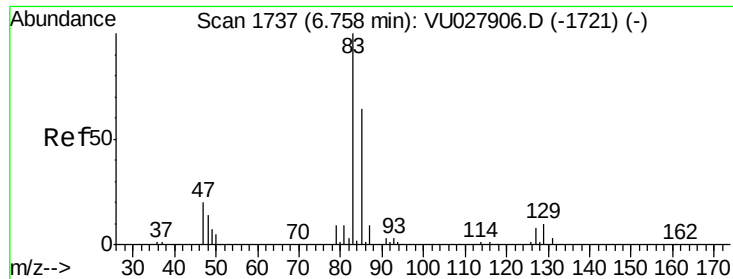
MMDadoda
 11/9/2018 12:03:04 PM



#46
 Dibromomethane
 Concen: 17.750 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion: 93 Resp: 31202
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.5 102.7
 174 94.2 76.1 114.1





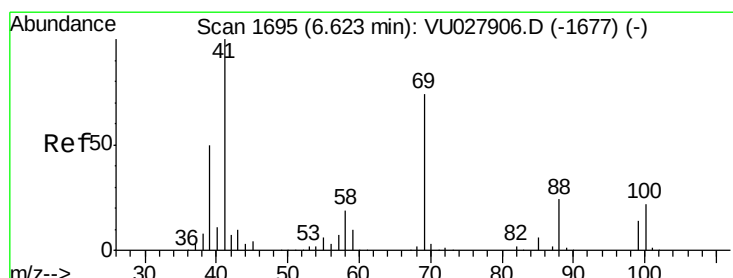
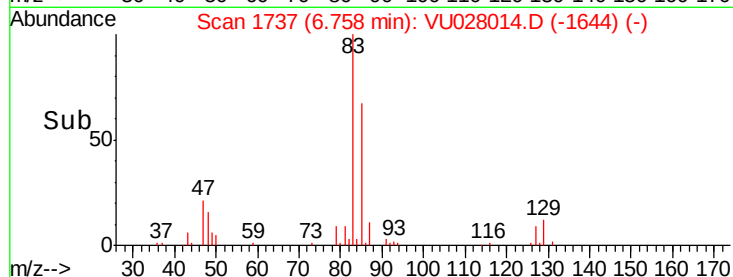
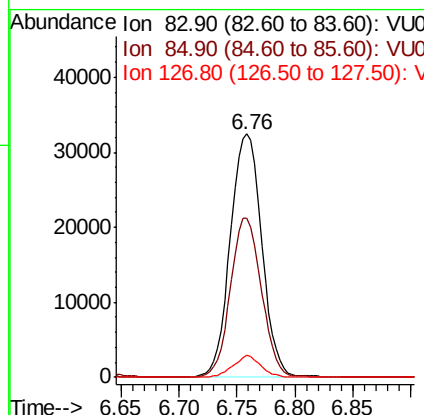
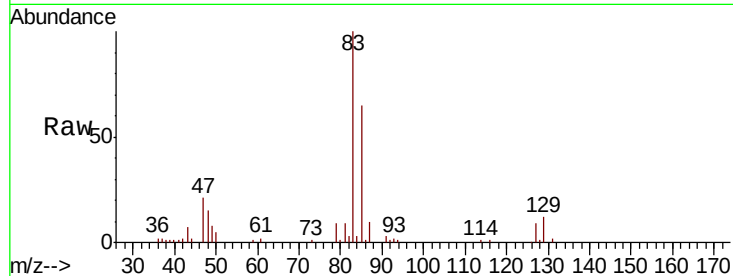
#47
Bromodichloromethane
Concen: 18.063 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	83	Resp	61191
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.0	76.6
127	8.9	6.2	9.4

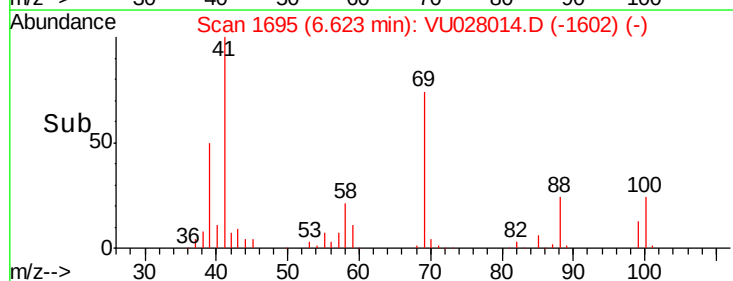
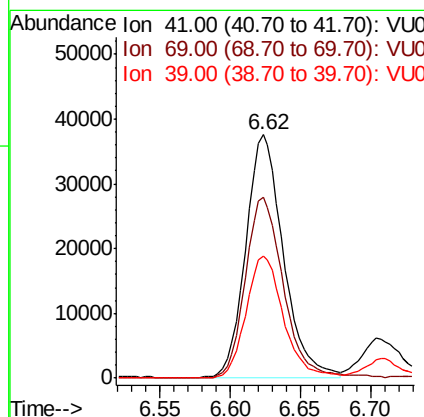
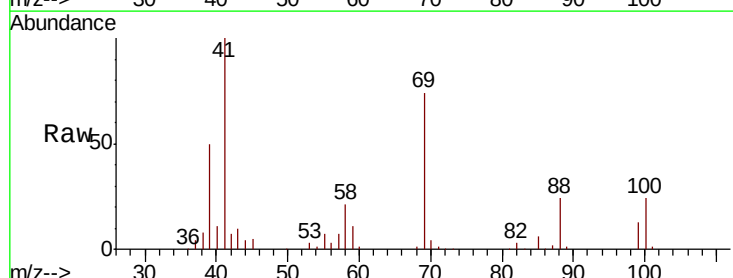
Manual Integrations
APPROVED

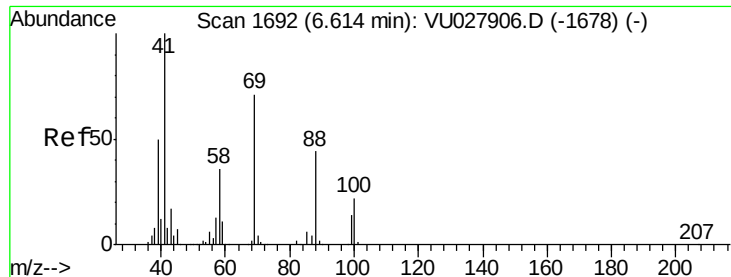
MMDadoda
11/9/2018 12:03:04 PM



#48
Methyl methacrylate
Concen: 18.049 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	41	Resp	70421
Ion Ratio	100	Lower	Upper
41	100		
69	74.6	59.8	89.8
39	49.9	40.0	60.0





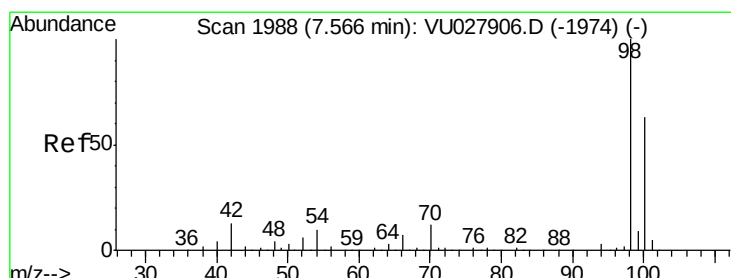
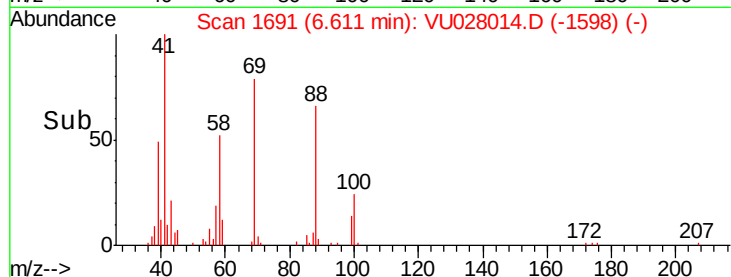
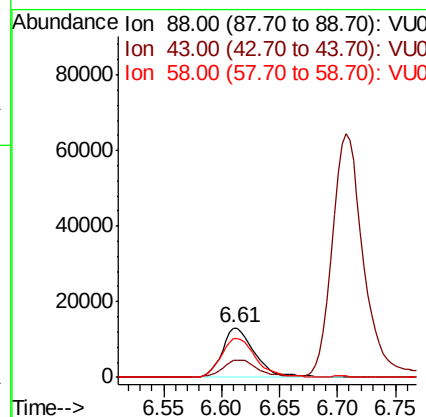
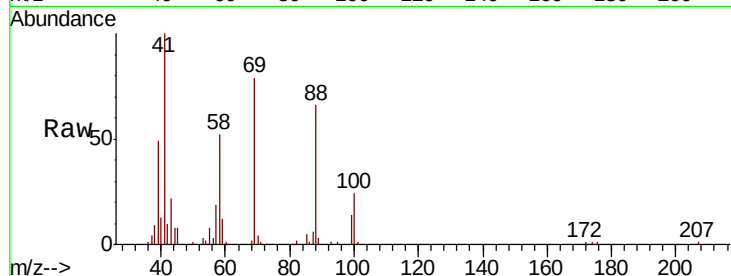
#49
1,4-Dioxane
Concen: 398.812 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	30.5	45.7
58	83.7	67.1	100.7

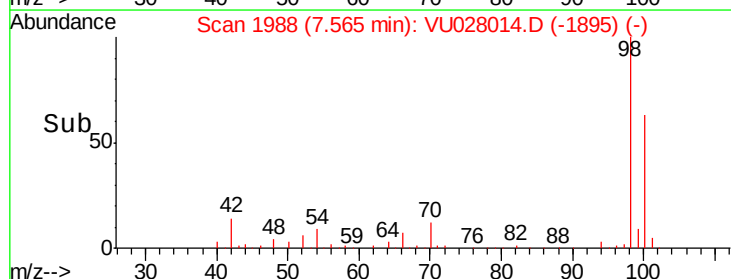
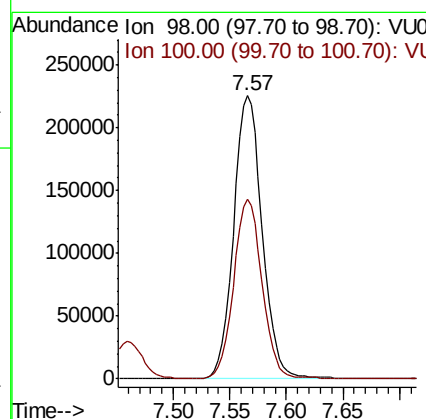
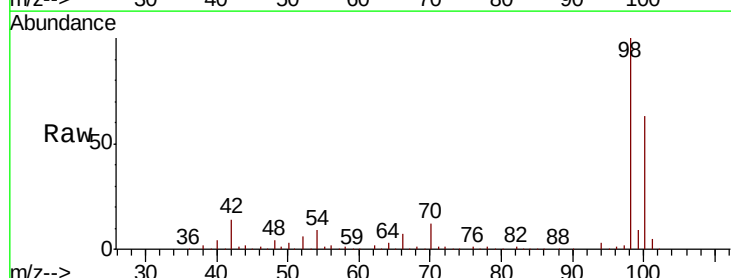
Manual Integrations
APPROVED

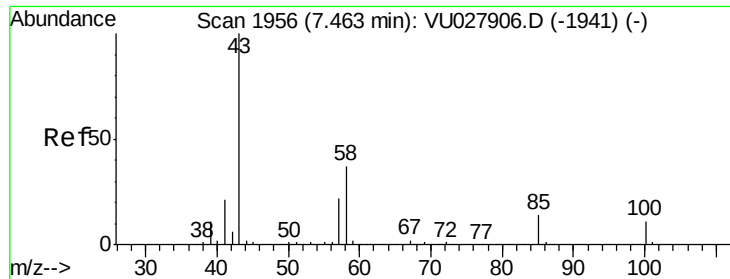
MMDadoda
11/9/2018 12:03:04 PM



#50
Toluene-d8
Concen: 49.173 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 88.165 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 43 Resp: 468800

Ion Ratio Lower Upper

43 100

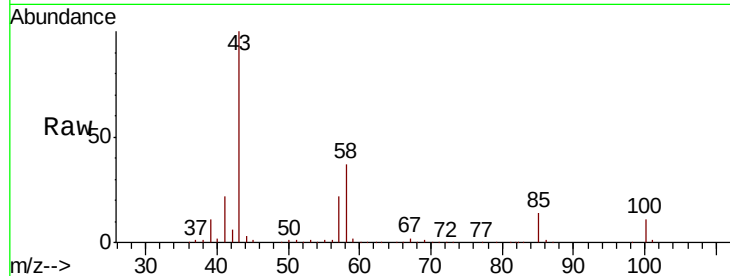
58 37.1 29.5 44.3

Manual Integrations

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MMDadoda

11/9/2018 12:03:04 PM

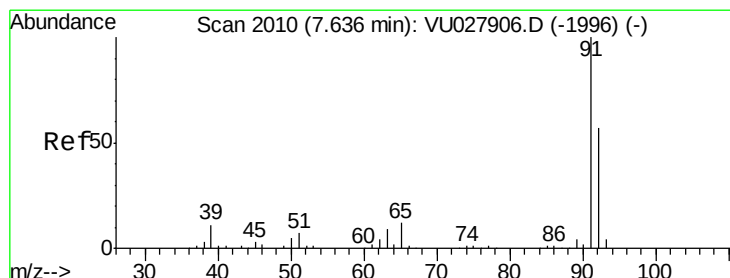
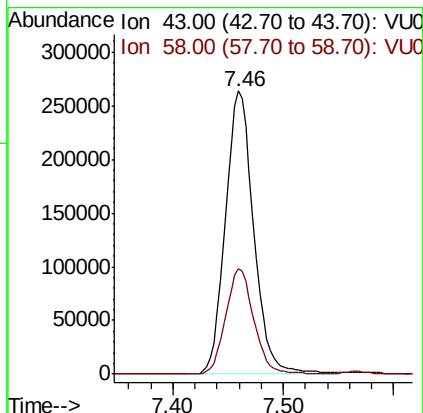
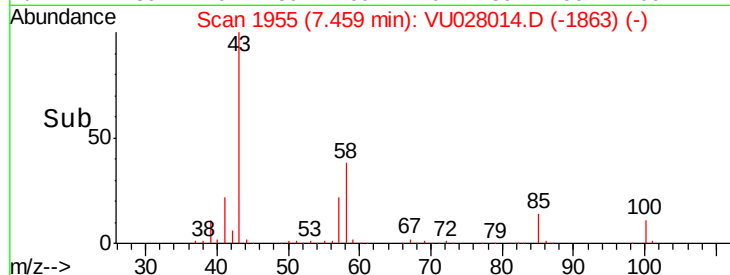


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

Time-->



#52

Toluene

Concen: 17.232 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028014.D

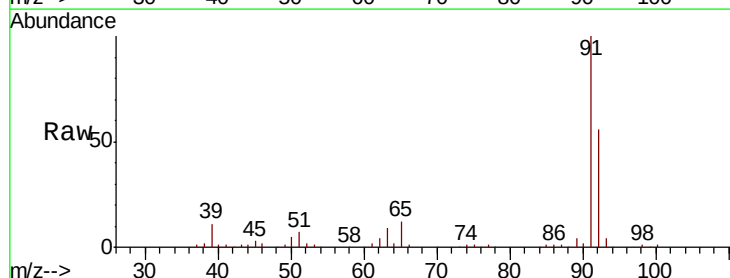
Acq: 08 Nov 2018 10:36

Tgt Ion: 92 Resp: 107428

Ion Ratio Lower Upper

92 100

91 177.5 141.2 211.8

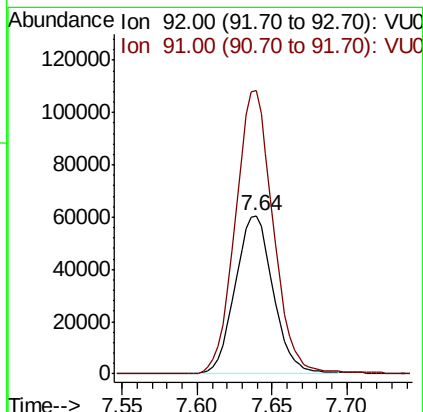
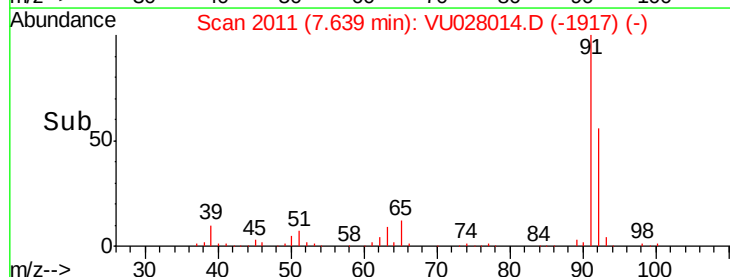


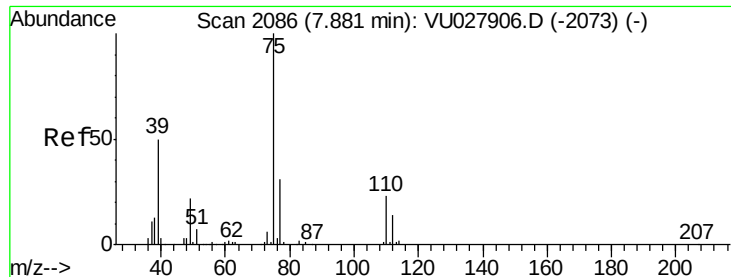
Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

Time-->





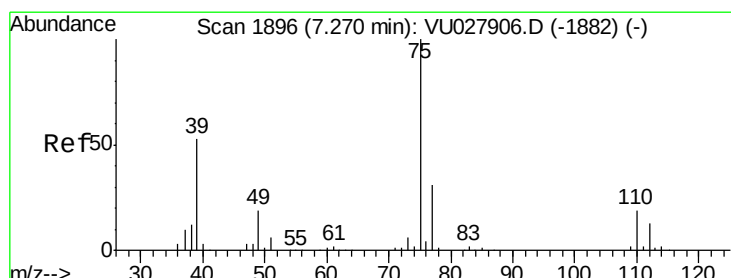
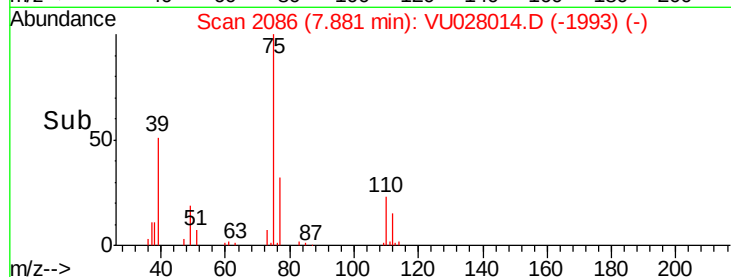
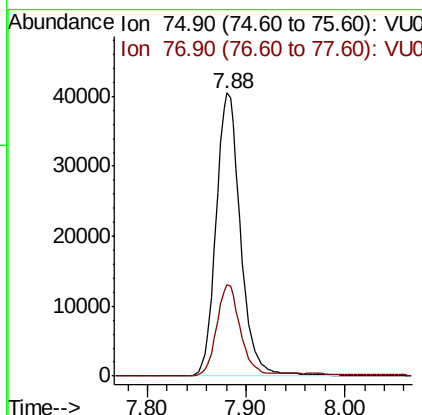
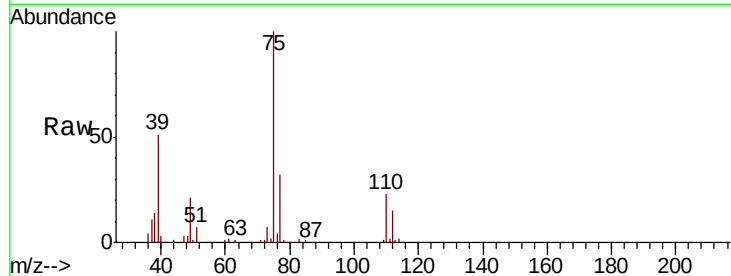
#53
t-1,3-Dichloropropene
Concen: 17.485 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion: 75 Resp: 70330
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7

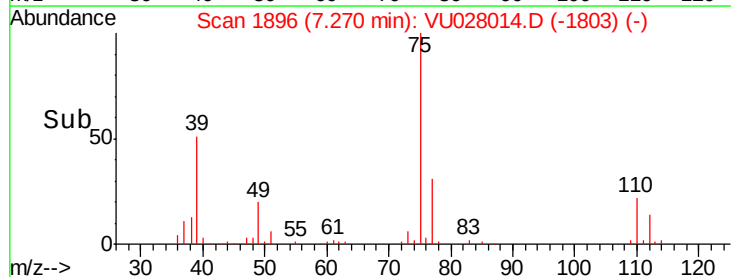
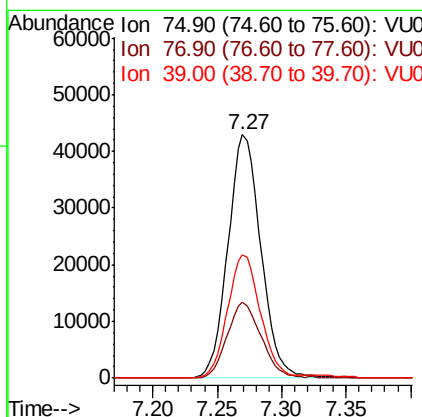
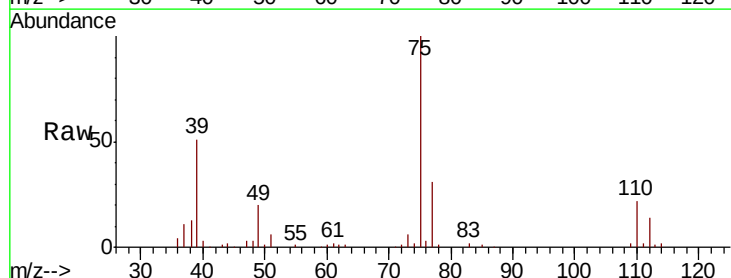
Manual Integrations
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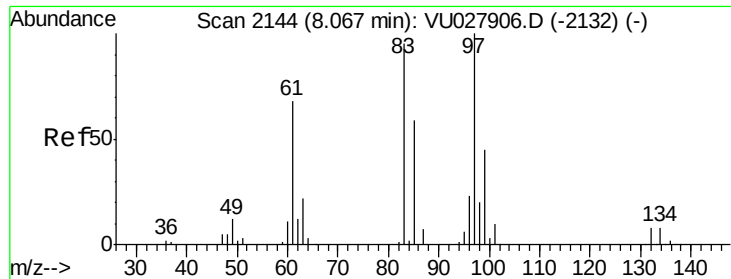
MMDadoda
11/9/2018 12:03:04 PM



#54
cis-1,3-Dichloropropene
Concen: 18.286 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion: 75 Resp: 76365
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0
39 50.7 42.6 64.0





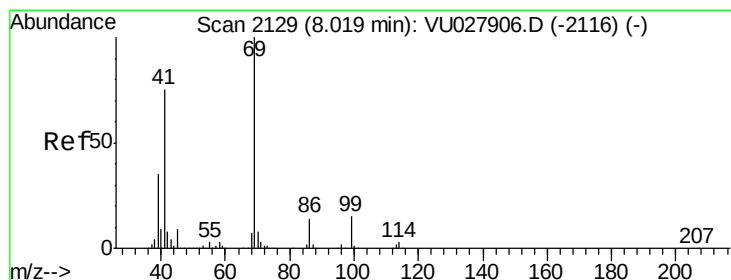
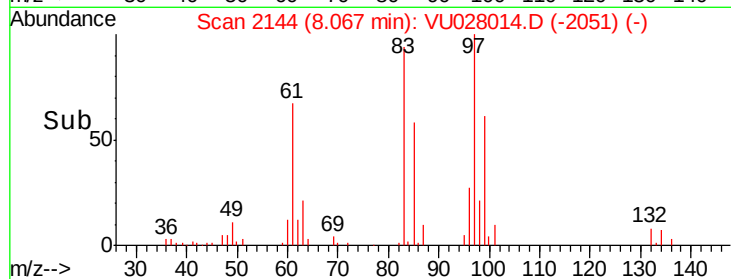
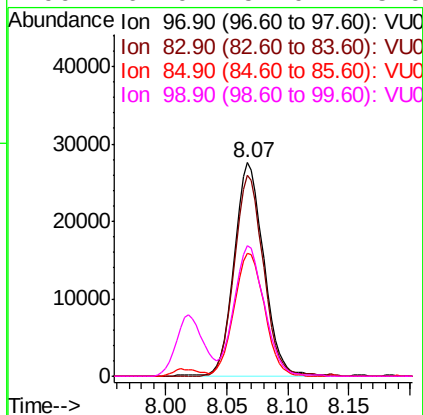
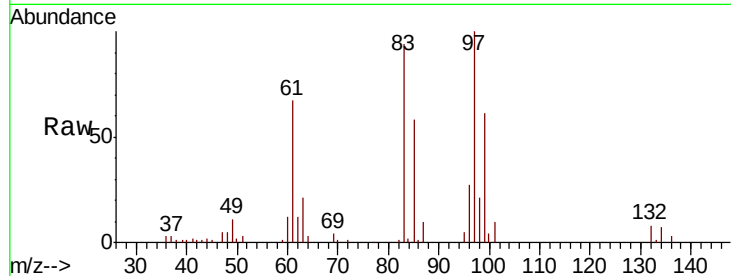
#55
 1,1,2-Trichloroethane
 Concen: 18.338 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		46512		
83	94.0	76.1	114.1		
85	57.8	48.9	73.3		
99	61.0	52.0	78.0		

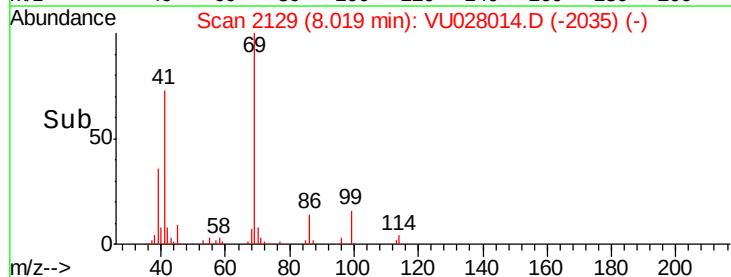
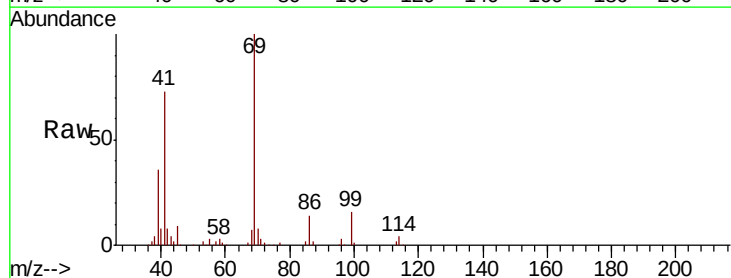
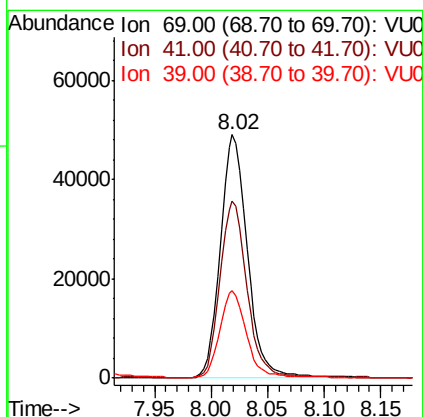
Manual Integrations
 APPROVED

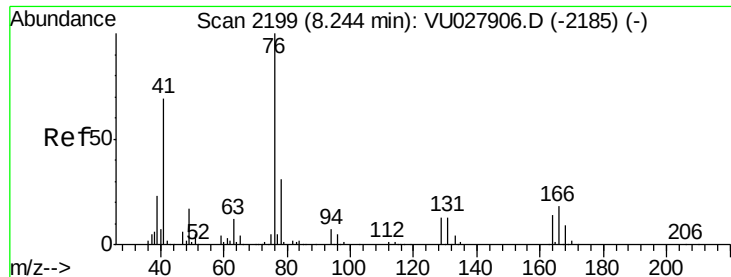
MMDadoda
 11/9/2018 12:03:04 PM



#56
 Ethyl methacrylate
 Concen: 18.392 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		82266		
41	72.3	59.8	89.6		
39	35.2	28.6	42.8		





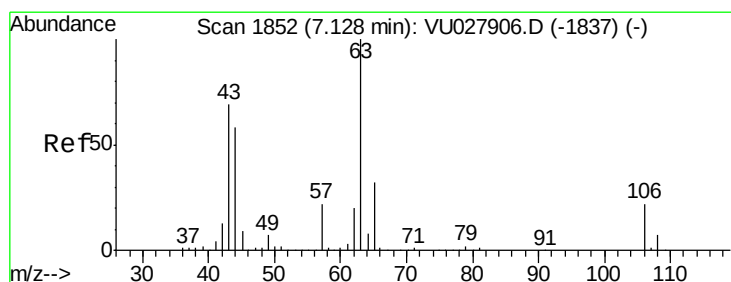
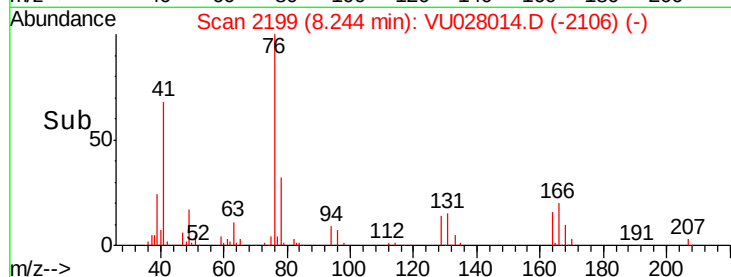
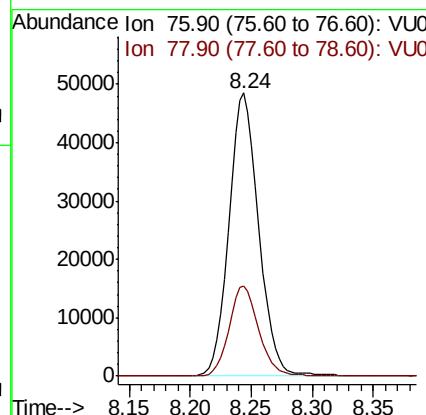
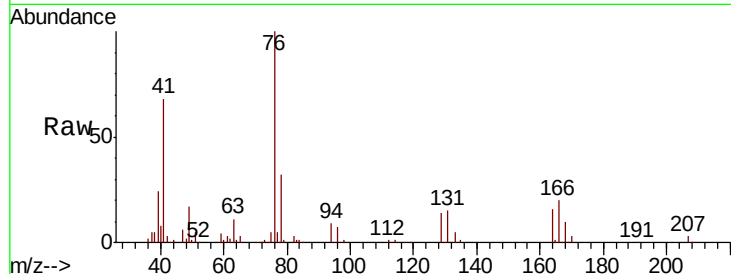
#57
 1,3-Dichloropropane
 Concen: 17.915 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion: 76 Resp: 82773
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9

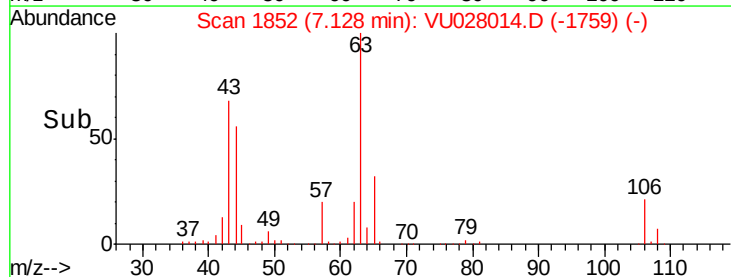
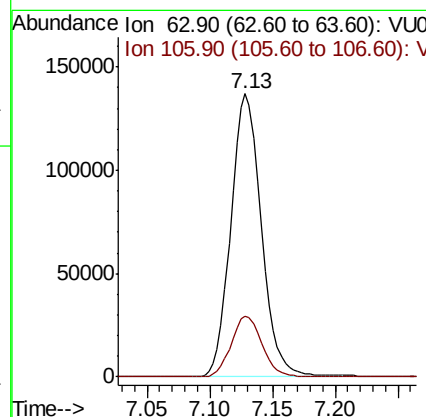
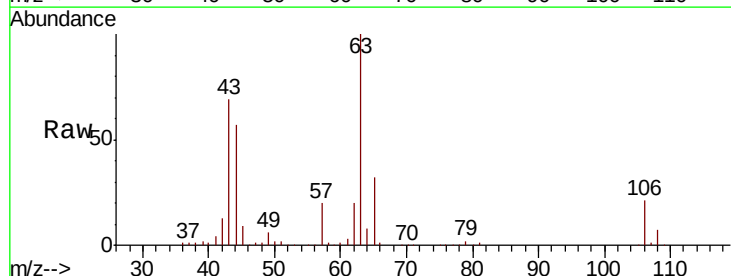
Manual Integrations
 APPROVED

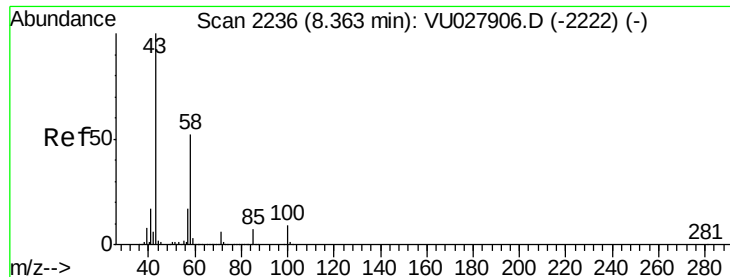
MMDadoda
 11/9/2018 12:03:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.777 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion: 63 Resp: 231832
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6





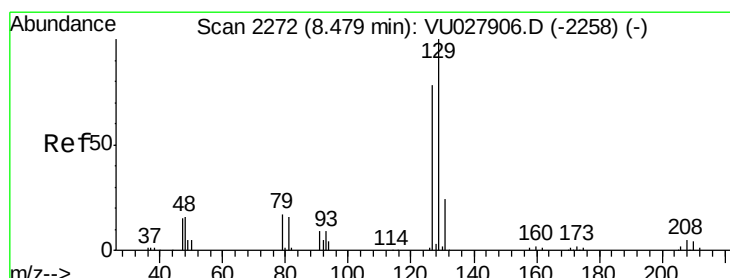
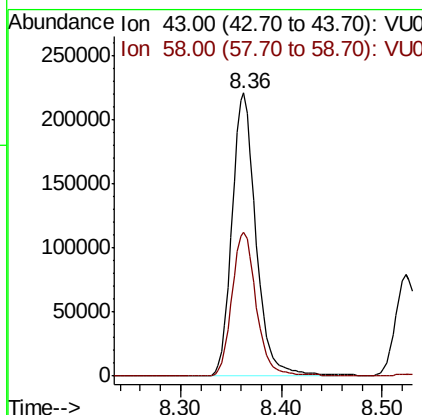
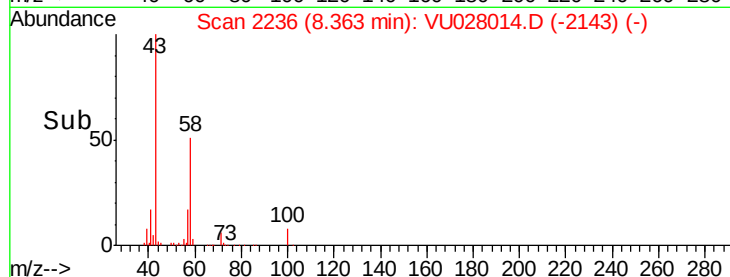
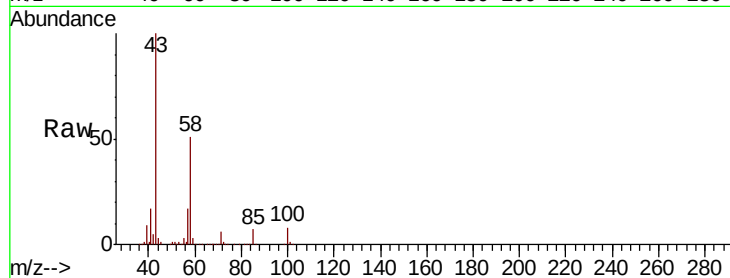
#59
2-Hexanone
Concen: 89.029 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.8	77.3

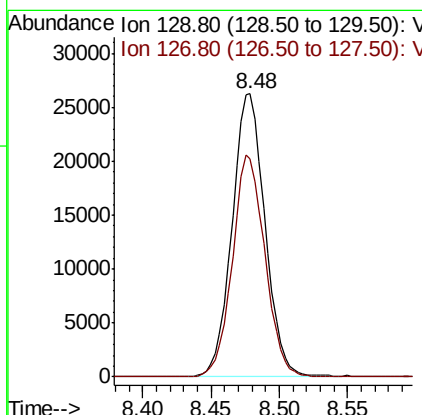
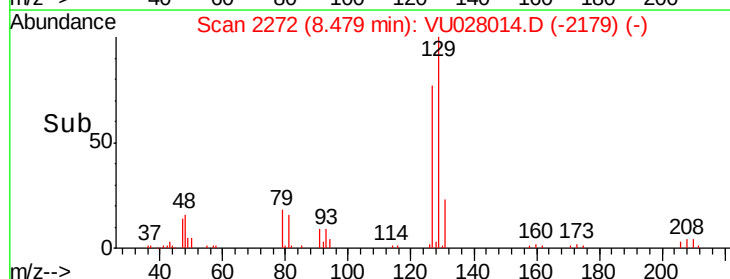
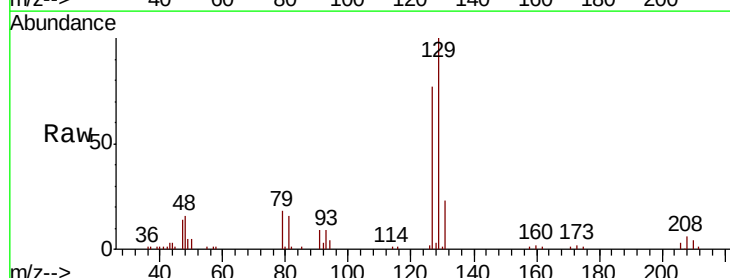
Manual Integrations
APPROVED

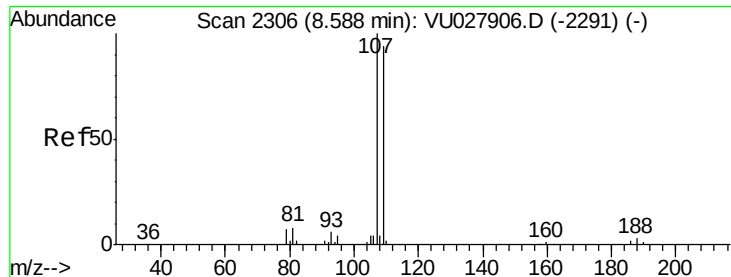
MMDadoda
11/9/2018 12:03:04 PM



#60
Dibromochloromethane
Concen: 18.340 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.2	117.6





#61

1,2-Dibromoethane

Concen: 17.405 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 107 Resp: 46906

Ion Ratio Lower Upper

107 100

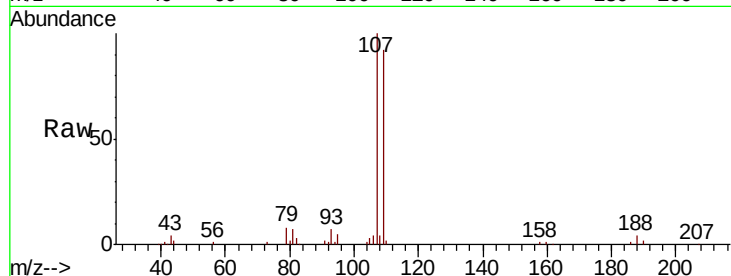
109 95.1 73.8 110.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

30000

25000

20000

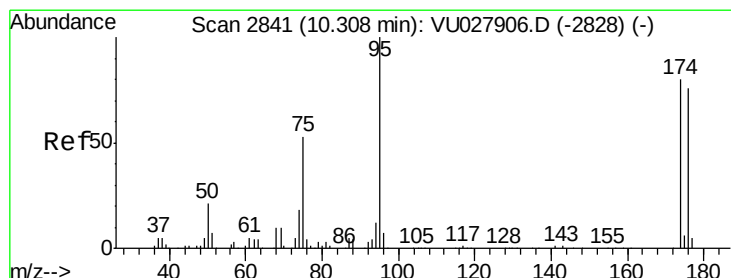
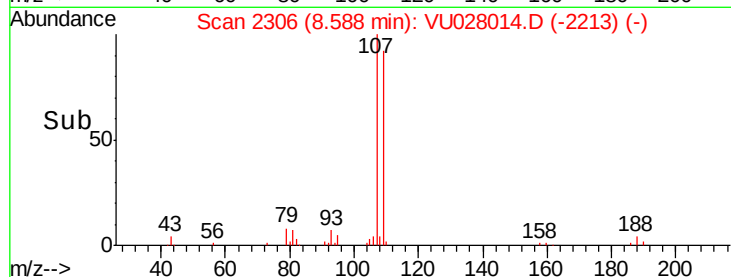
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 48.658 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

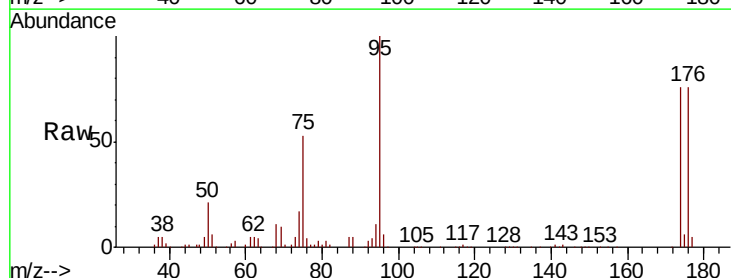
Tgt Ion: 95 Resp: 144763

Ion Ratio Lower Upper

95 100

174 75.6 0.0 156.4

176 74.3 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

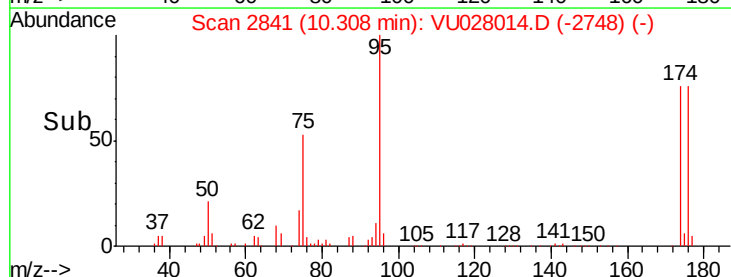
60000

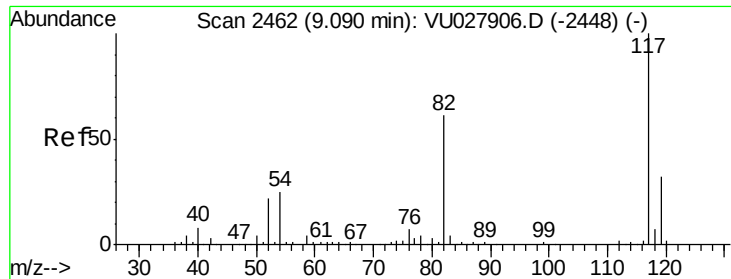
40000

20000

0

Time--> 10.30 10.40





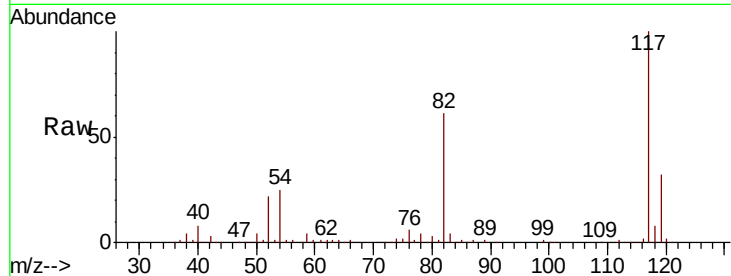
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.6	73.0
119	32.1	25.8	38.8

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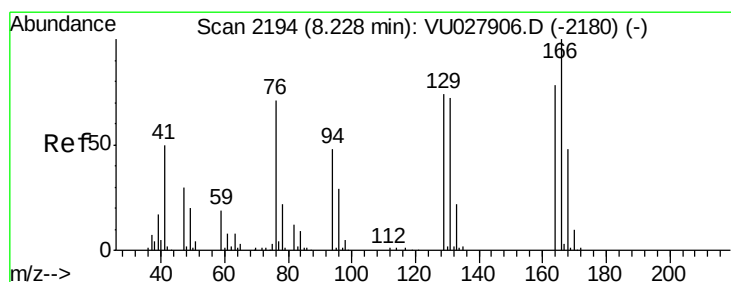
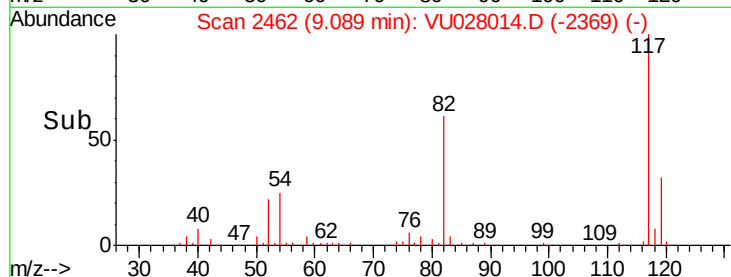
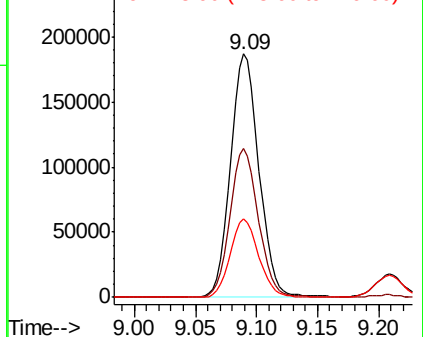


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.405 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.4	102.1	153.1
129	93.8	75.9	113.9
131	91.4	73.0	109.6

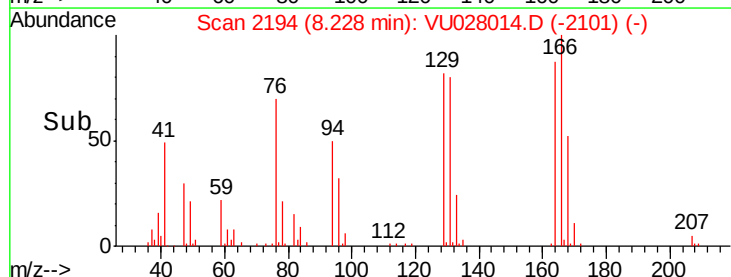
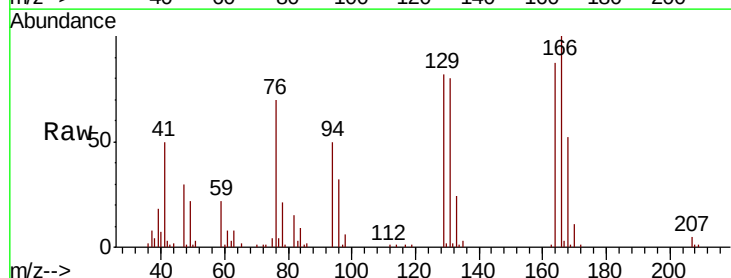
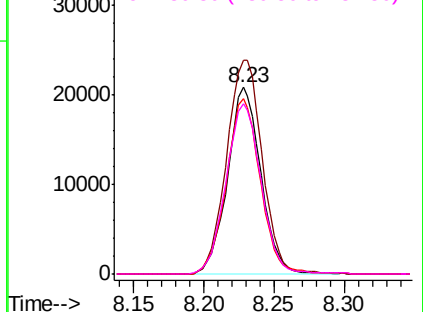
Abundance

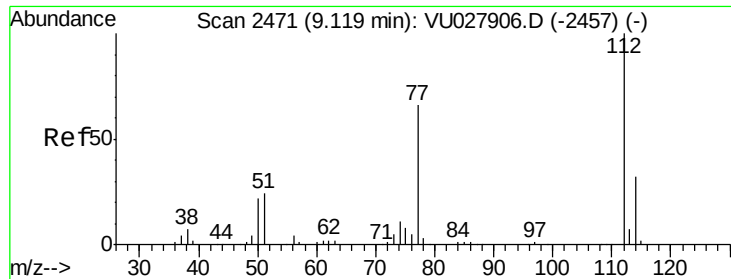
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





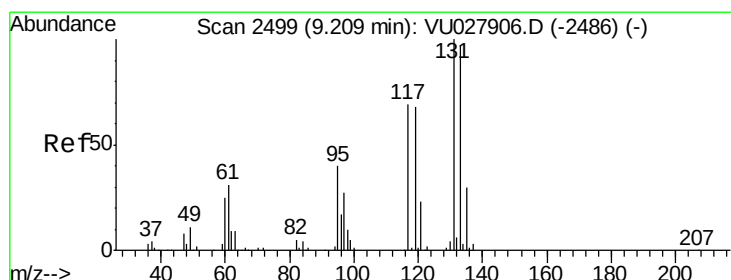
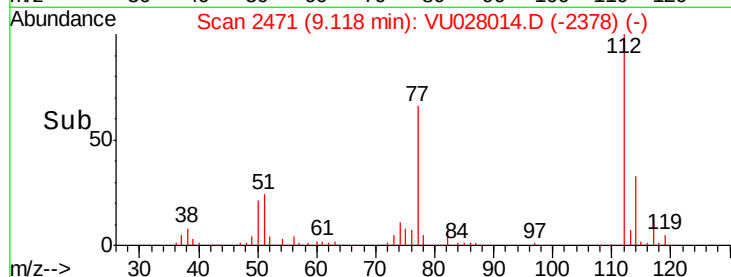
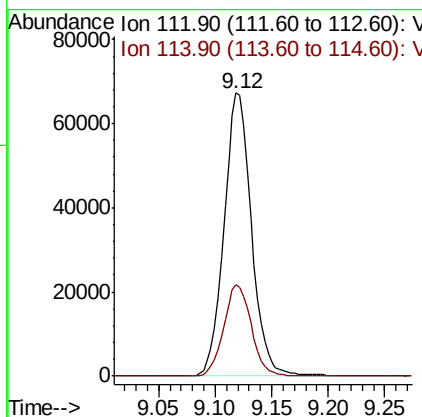
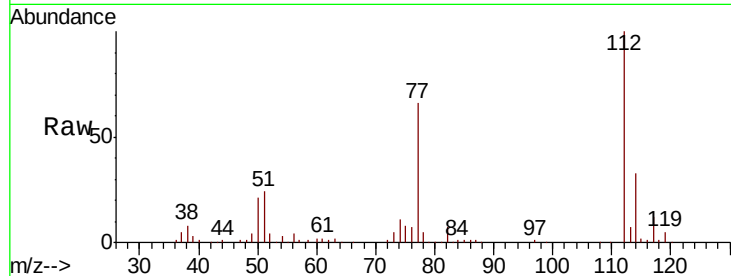
#65
Chlorobenzene
Concen: 17.621 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion:112 Resp: 113373
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8

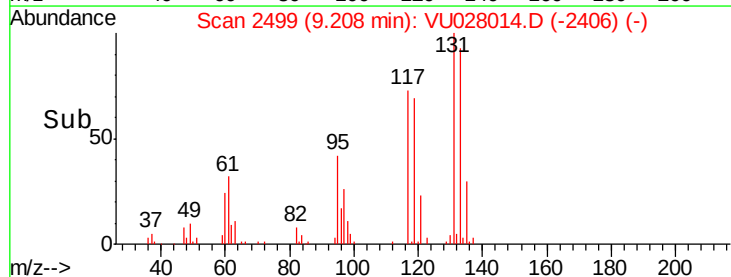
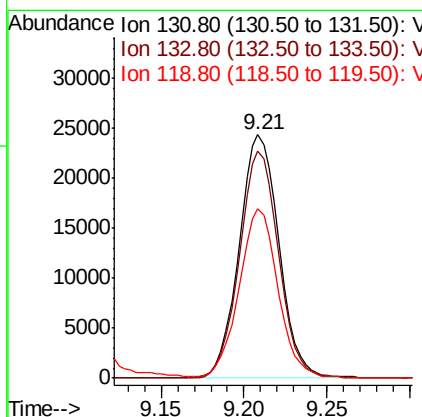
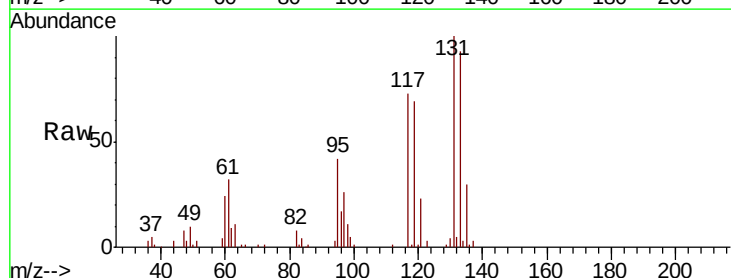
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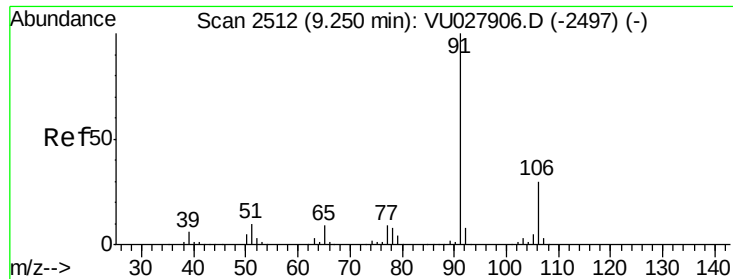
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.562 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion:131 Resp: 40792
Ion Ratio Lower Upper
131 100
133 91.5 48.1 144.4
119 68.3 34.0 101.8





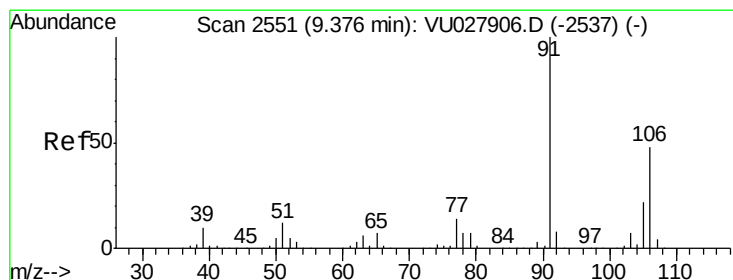
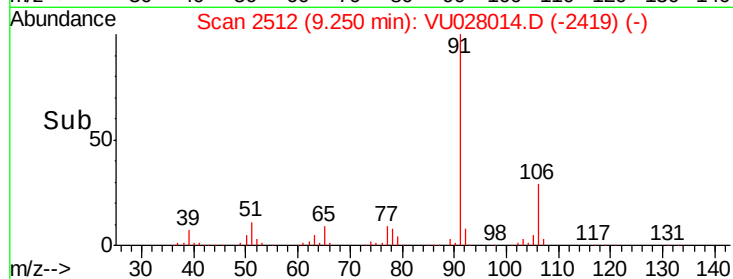
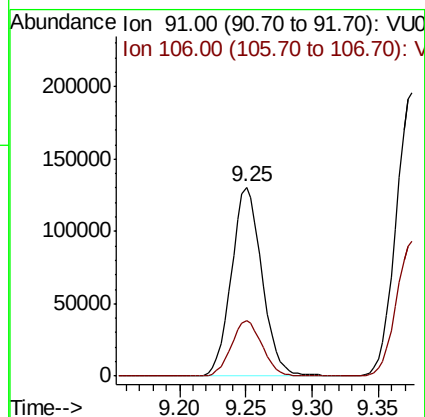
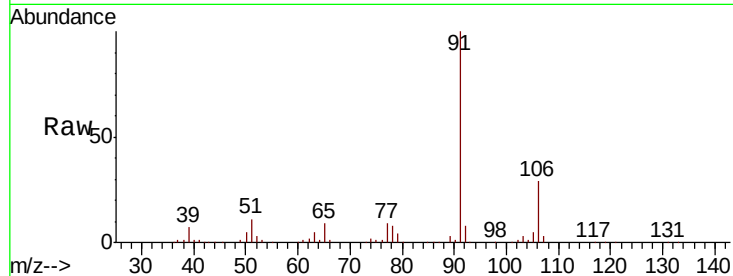
#67
Ethyl Benzene
Concen: 17.678 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion: 91 Resp: 209361
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

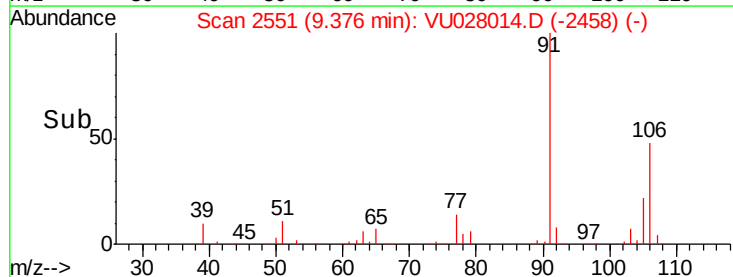
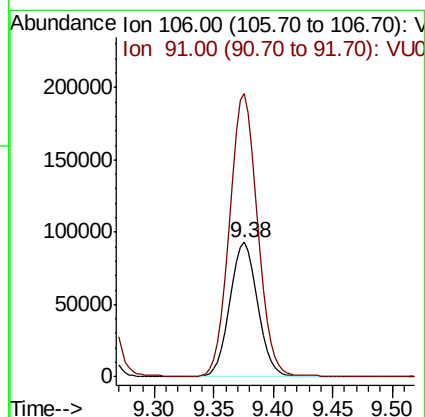
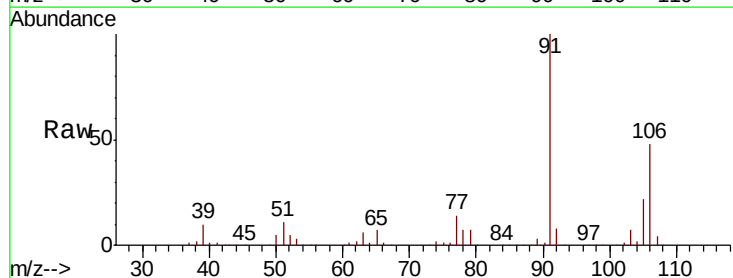
Manual Integrations
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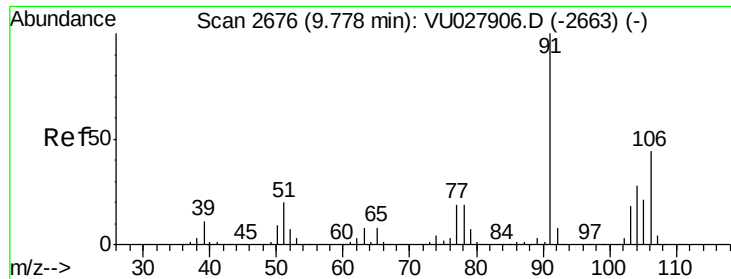
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#68
m/p-Xylenes
Concen: 35.242 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion: 106 Resp: 151437
Ion Ratio Lower Upper
106 100
91 211.9 168.2 252.4





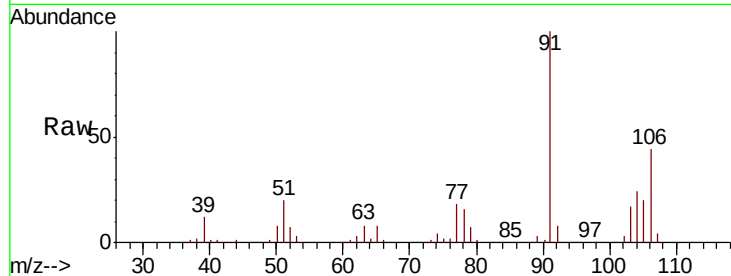
#69
o-Xylene
Concen: 17.410 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

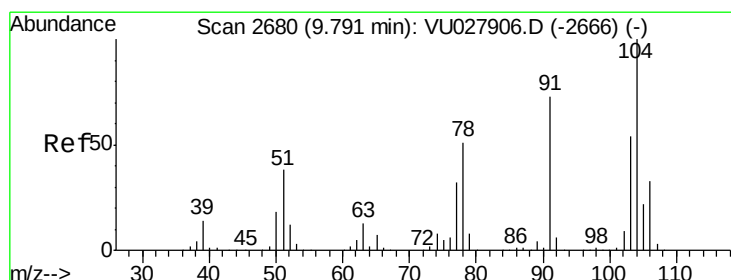
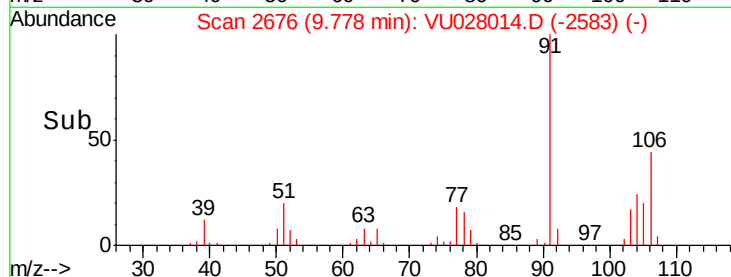
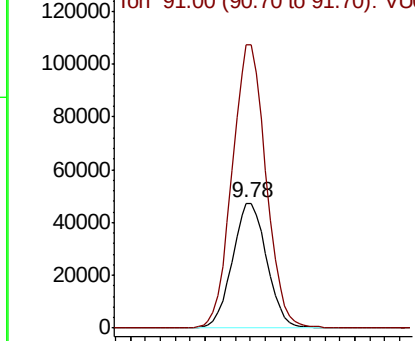
Tot Ion:106 Resp: 75546
Ion Ratio Lower Upper
106 100
91 224.3 111.1 333.4

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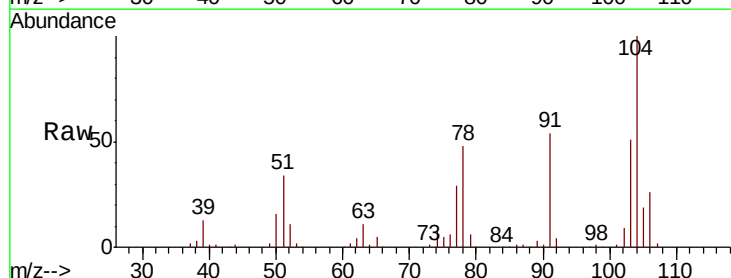


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

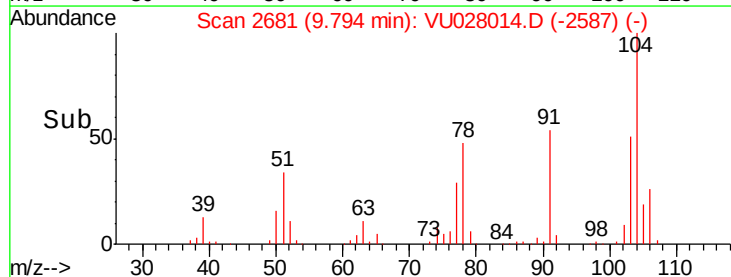
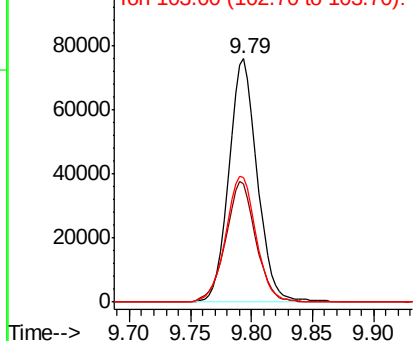


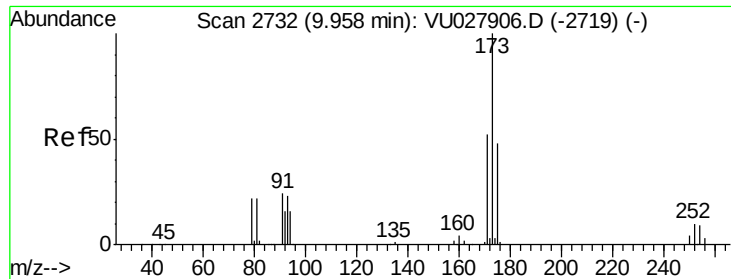
#70
Styrene
Concen: 17.785 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion:104 Resp: 123309
Ion Ratio Lower Upper
104 100
78 52.6 43.0 64.4
103 55.6 45.1 67.7



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: 17.740 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion:173 Resp: 32673

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.8

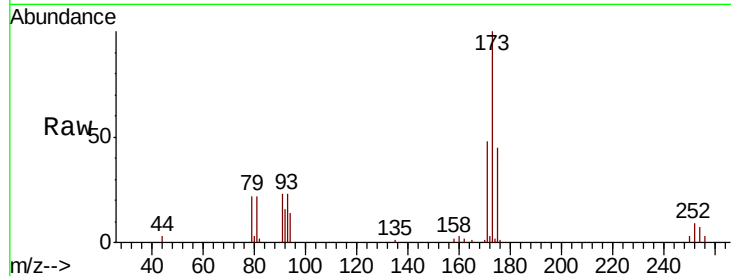
254 0.0 0.0 0.0

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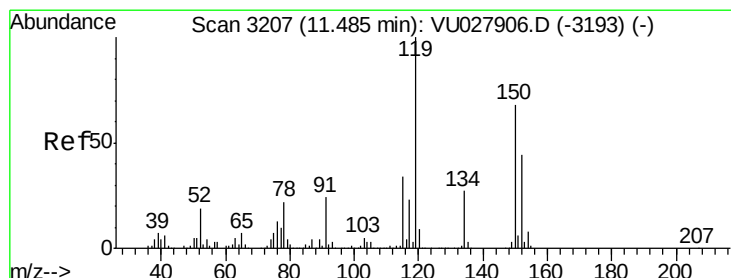
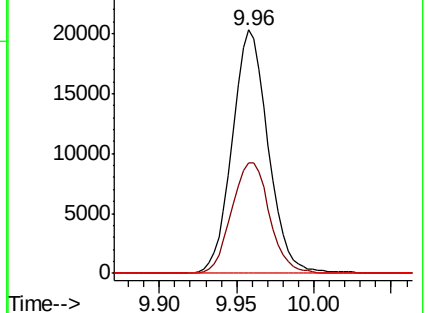
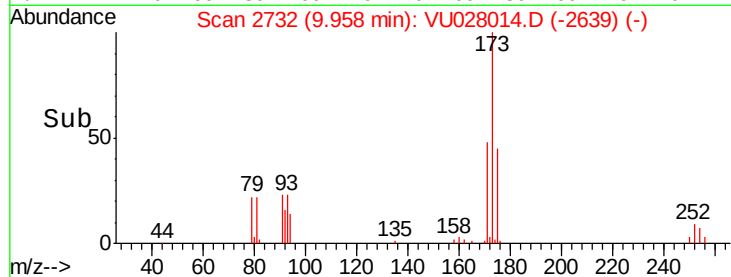
11/9/2018 12:03:04 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

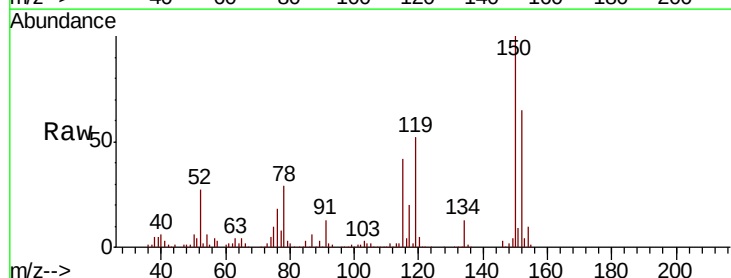
Tgt Ion:152 Resp: 144856

Ion Ratio Lower Upper

152 100

115 69.1 43.0 129.0

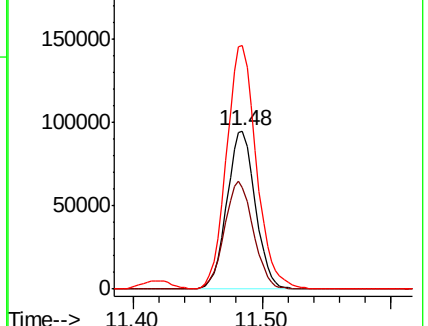
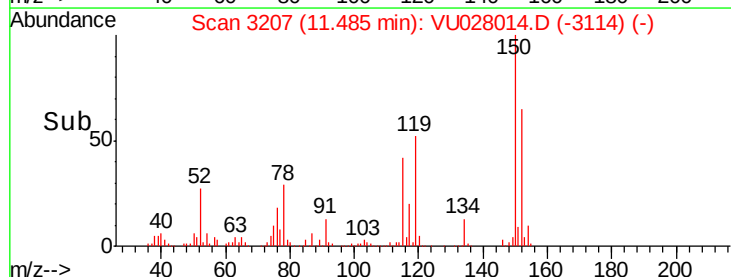
150 161.3 0.0 349.4

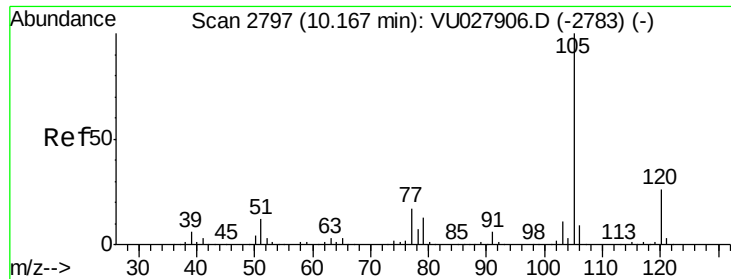


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.451 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 105 Resp: 207053

Ion Ratio Lower Upper

105 100

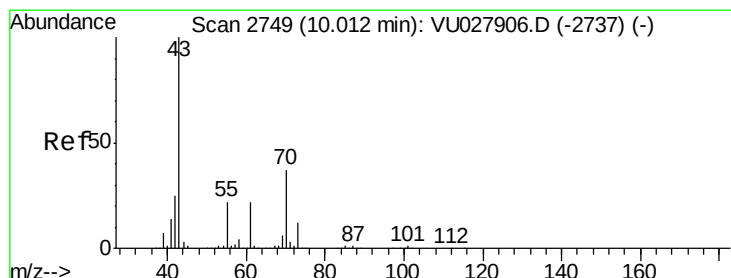
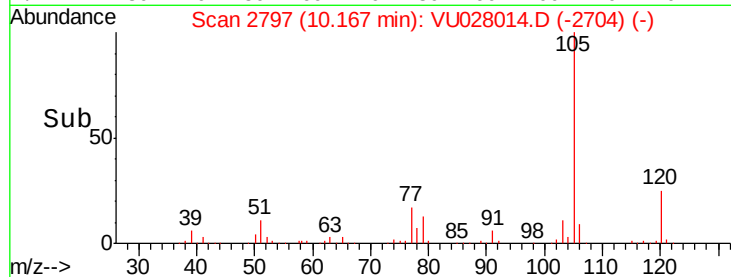
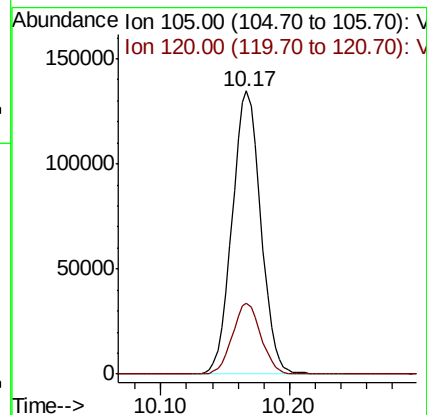
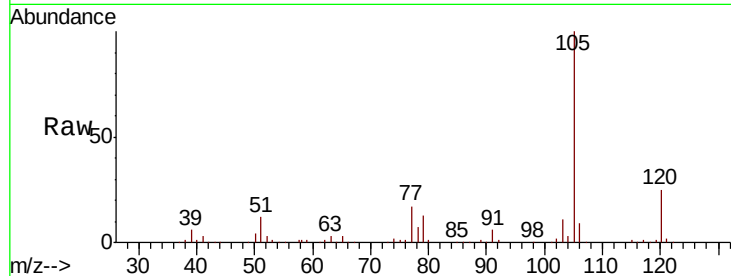
120 24.9 12.7 38.0

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#74

N-ethyl acetate

Concen: 17.972 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion: 43 Resp: 121952

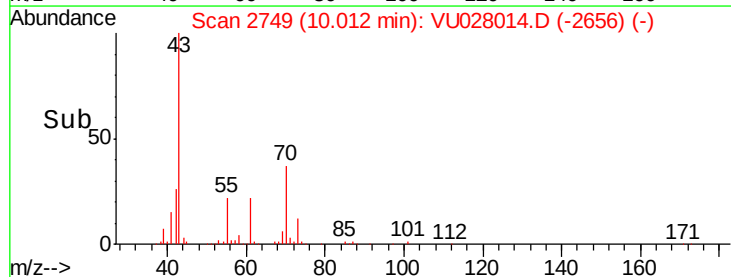
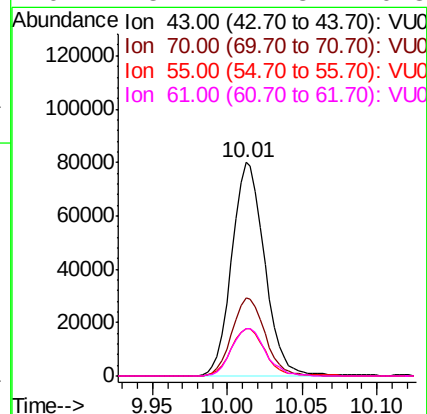
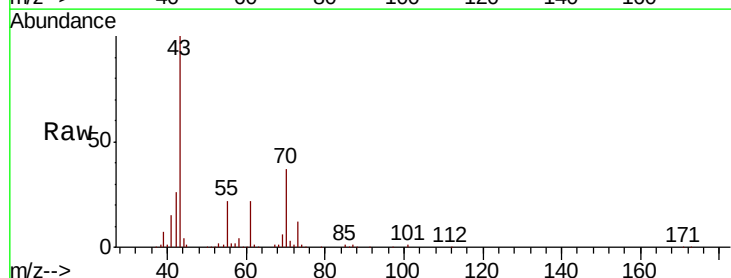
Ion Ratio Lower Upper

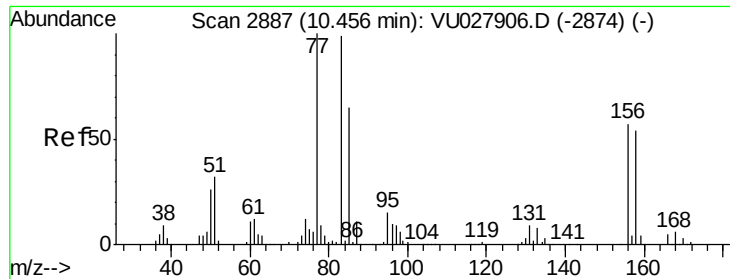
43 100

70 37.0 29.2 43.8

55 23.0 17.8 26.6

61 23.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.148 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 83 Resp: 82148

Ion Ratio Lower Upper

83 100

131 8.5 4.3 13.1

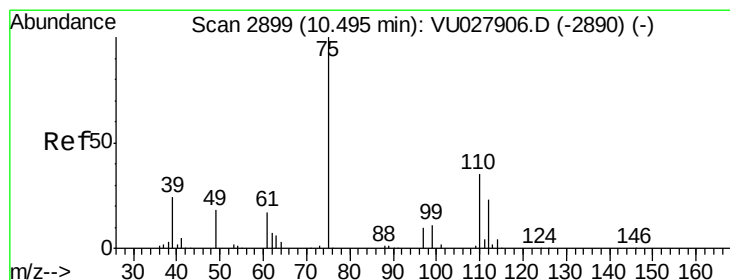
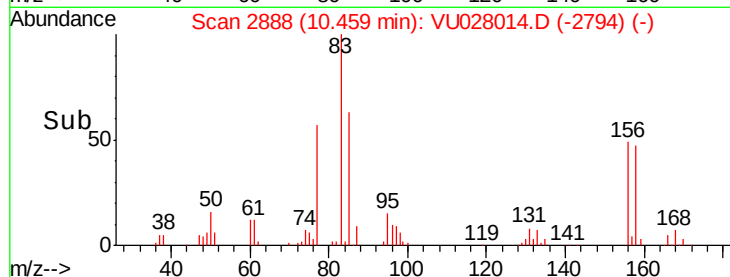
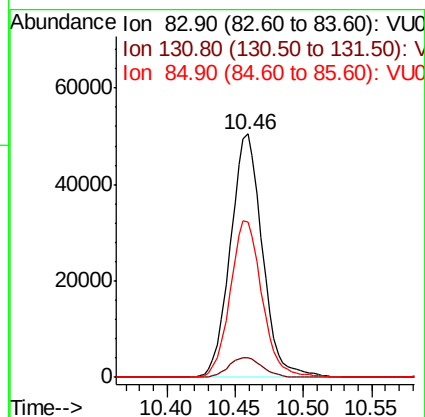
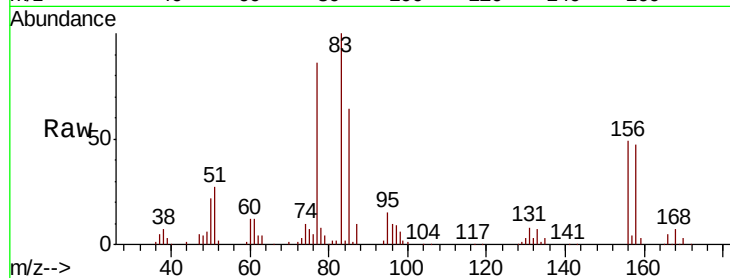
85 64.2 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 20.811 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU028014.D

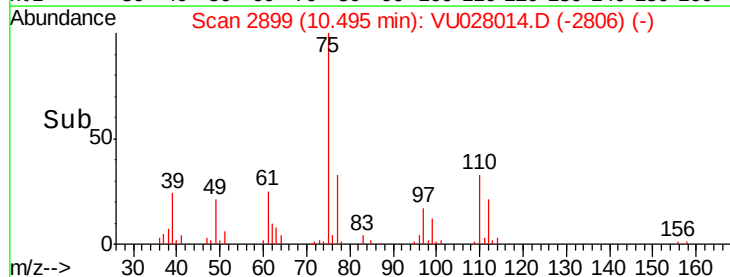
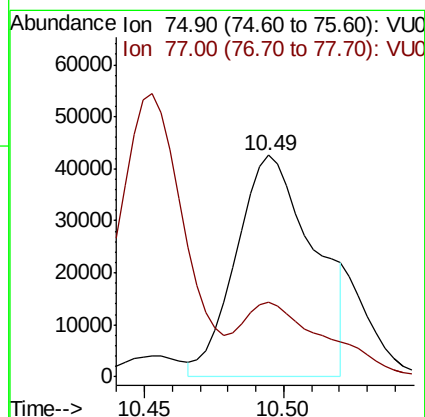
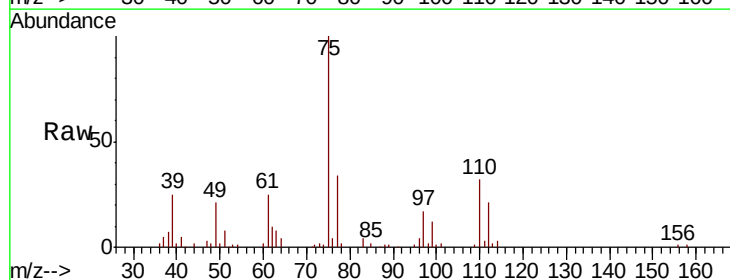
Acq: 08 Nov 2018 10:36

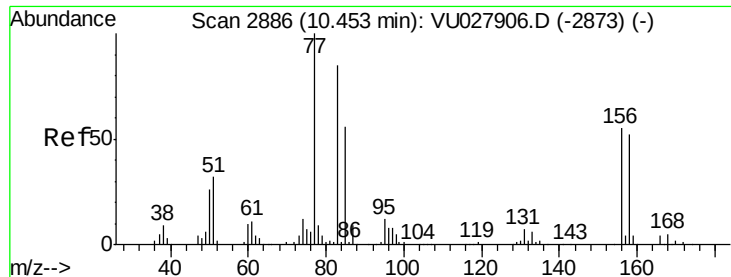
Tgt Ion: 75 Resp: 82459

Ion Ratio Lower Upper

75 100

77 37.3 21.6 64.6





#77

Bromobenzene

Concen: 18.159 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

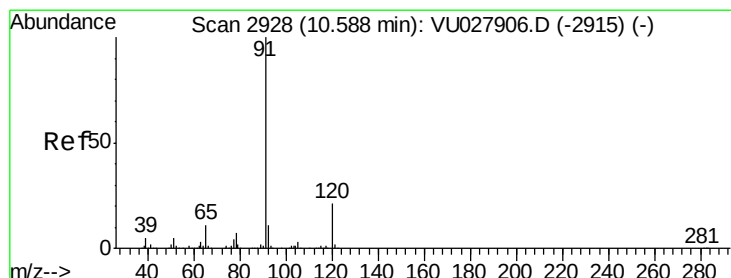
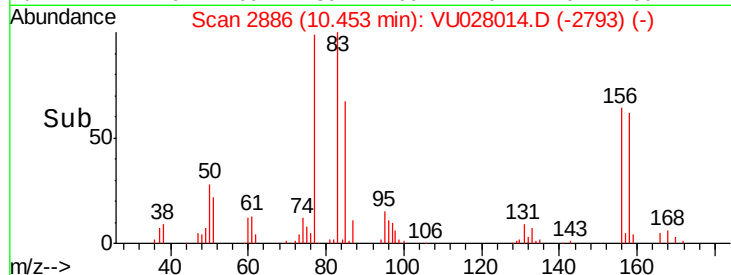
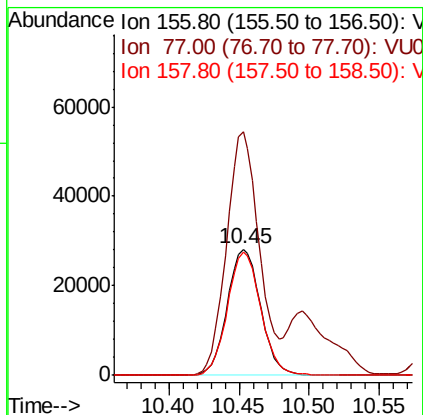
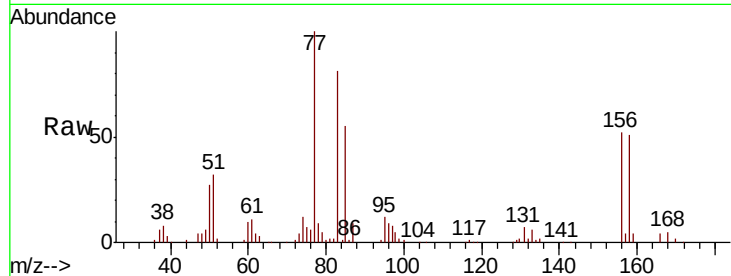
ClientSampleId :

VU1108WBS01

Tot Ion:	156	Resp:	46726
Ion Ratio	Lower	Upper	
156	100		
77	188.2	91.8	275.6
158	97.8	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 18.172 ug/l

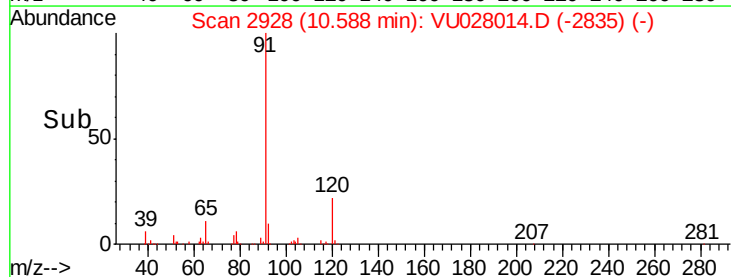
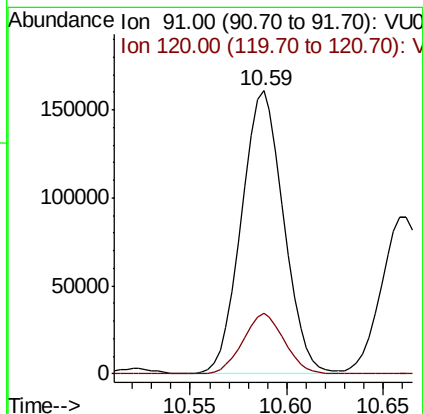
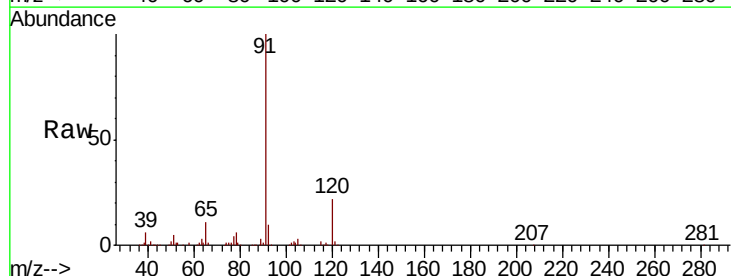
RT: 10.59 min Scan# 2928

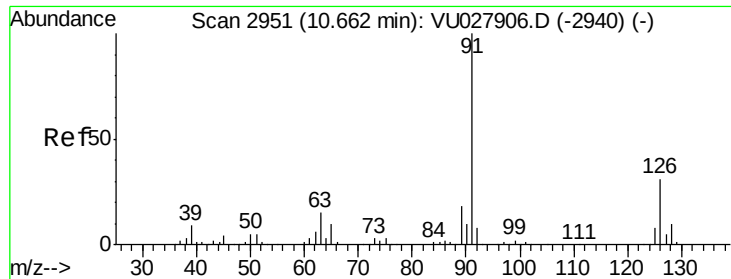
Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion:	91	Resp:	244100
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.6	31.8





#79

2-Chlorotoluene

Concen: 17.852 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VU1108WBS01

Tot Ion: 91 Resp: 143736

Ion Ratio Lower Upper

91 100

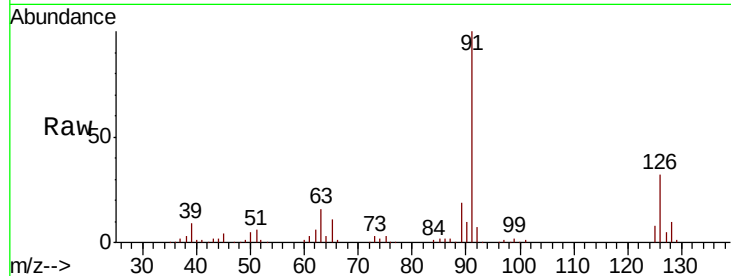
126 31.1 16.0 47.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)

150000

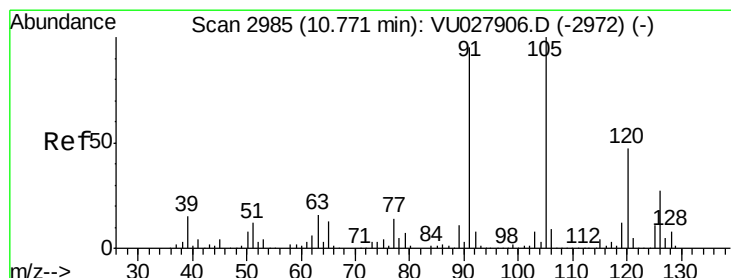
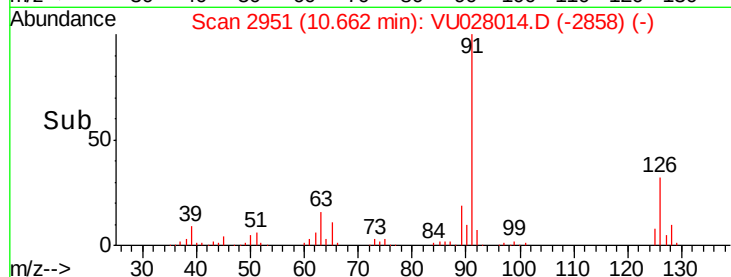
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.419 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028014.D

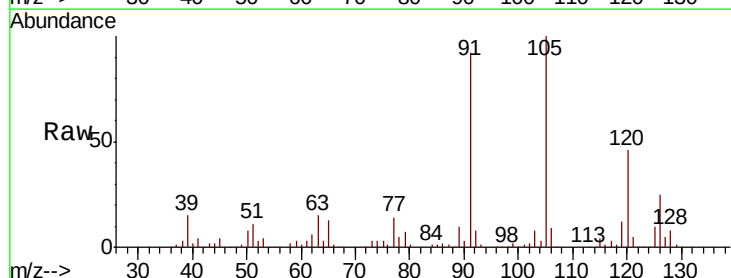
Acq: 08 Nov 2018 10:36

Tgt Ion: 105 Resp: 171222

Ion Ratio Lower Upper

105 100

120 45.9 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)

120000

100000

80000

60000

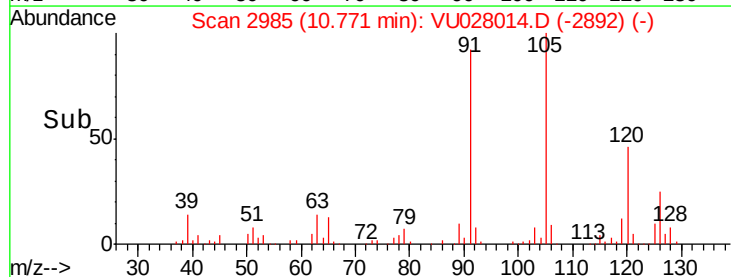
40000

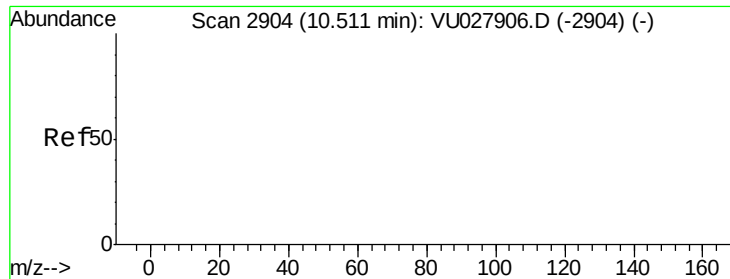
20000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.190 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028014.D

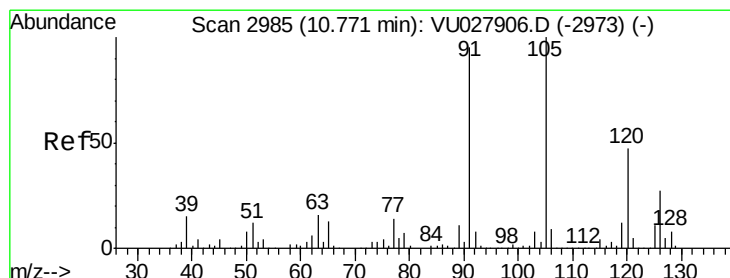
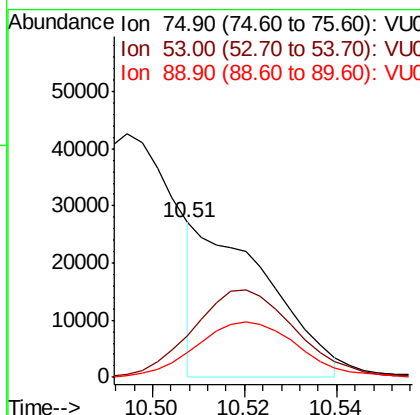
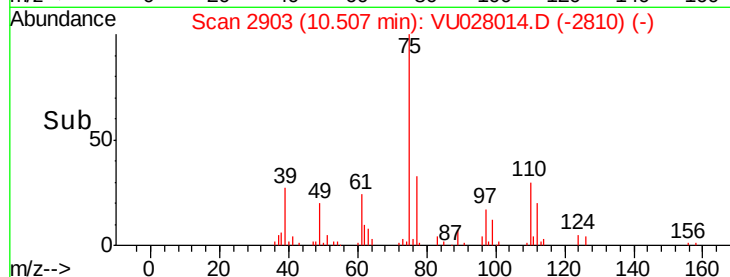
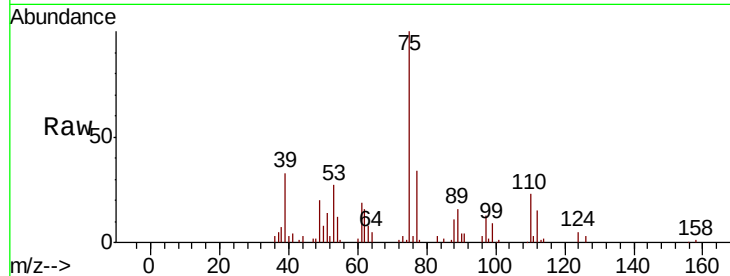
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.028 ug/l

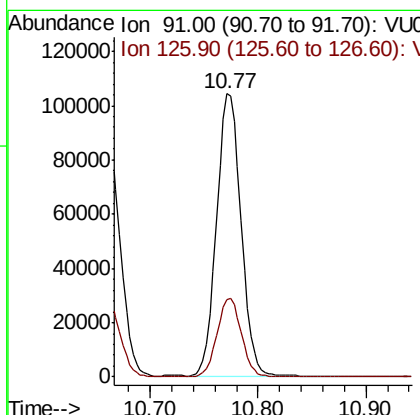
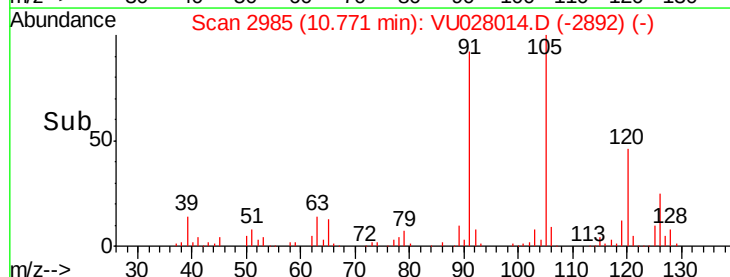
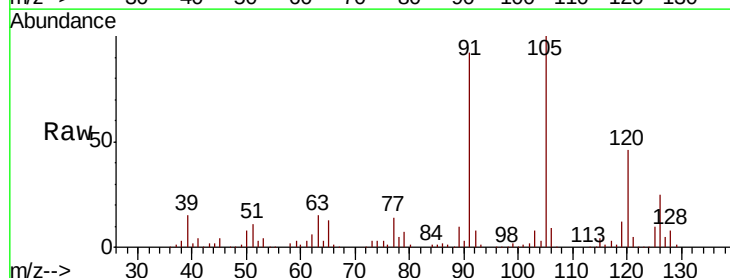
RT: 10.77 min Scan# 2985

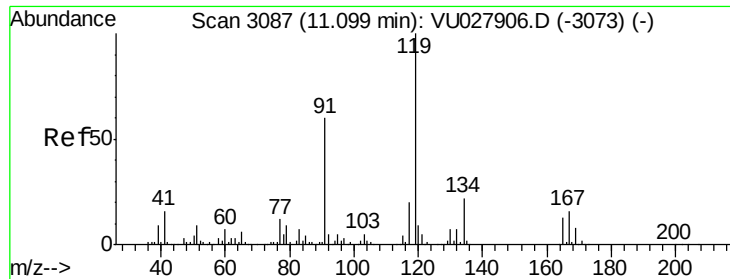
Delta R.T. -0.00 min

Lab File: VU028014.D

Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.2	42.6





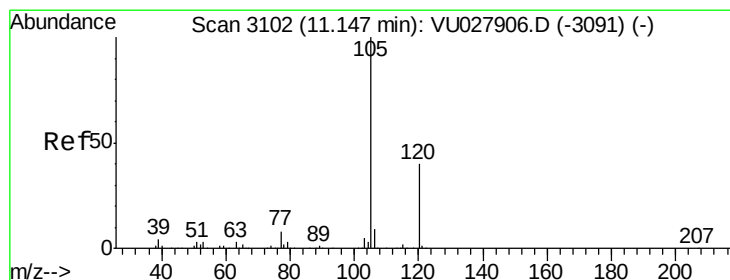
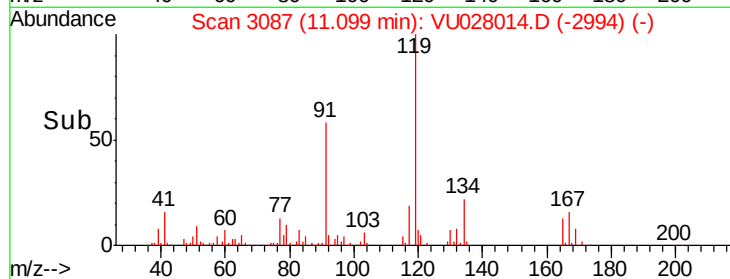
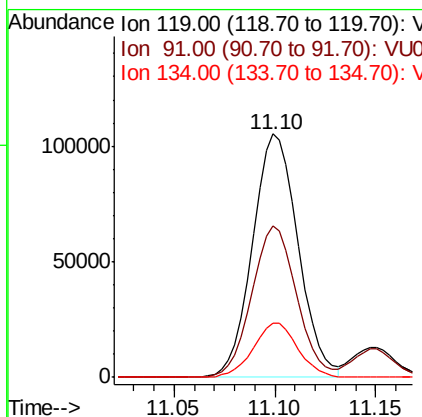
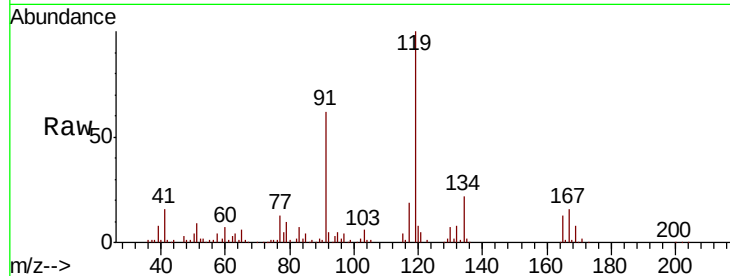
#83
 tert-Butylbenzene
 Concen: 17.887 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166230		
91	60.9	29.8	89.3	
134	21.8	11.1	33.1	

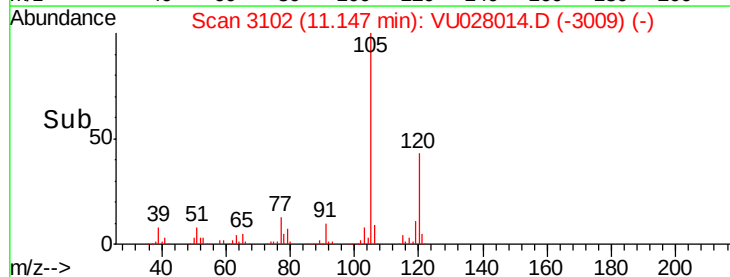
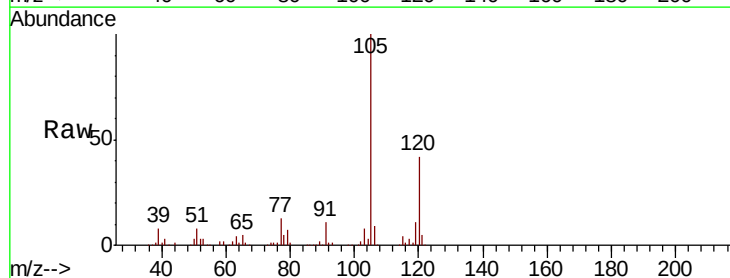
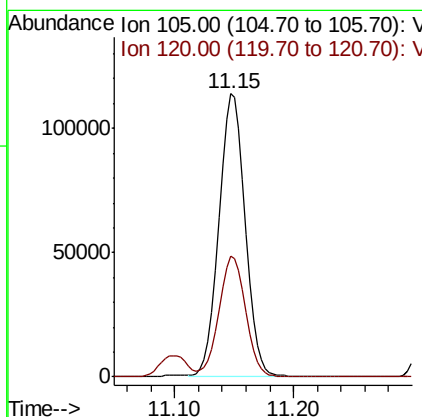
Manual Integrations
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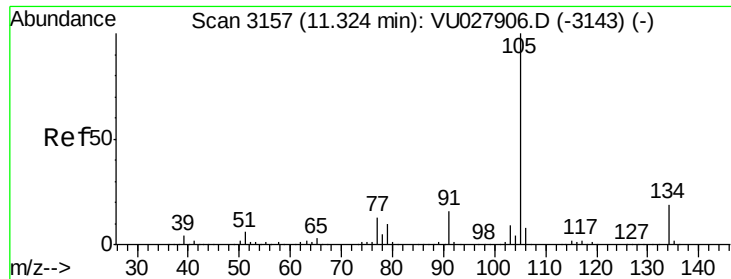
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.619 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	174291		
120	42.8	22.1	66.1	





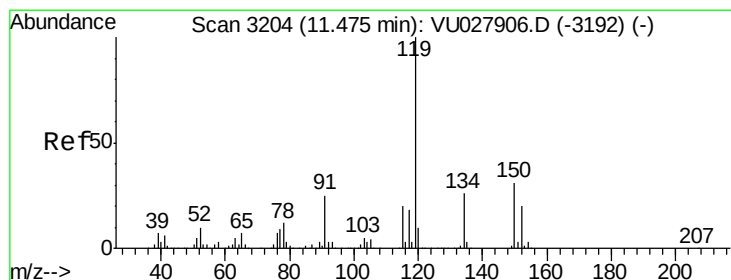
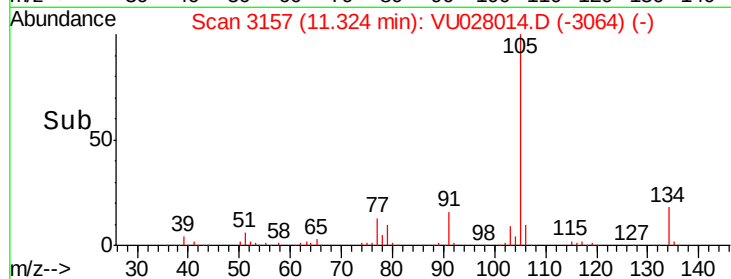
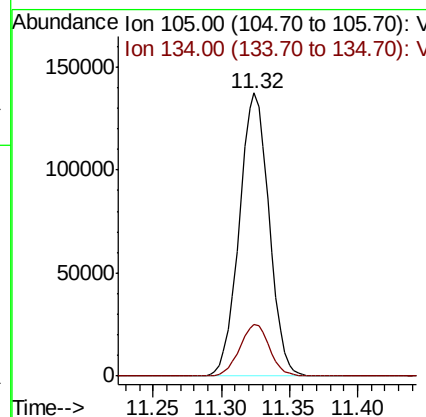
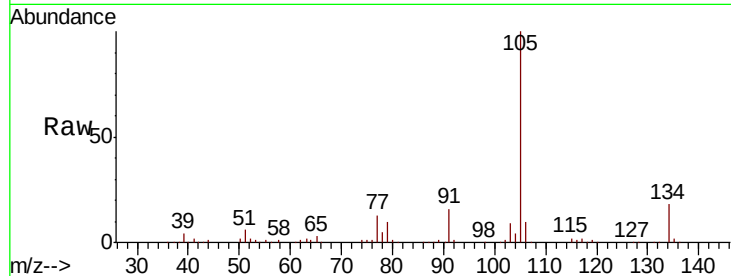
#85
 sec-Butylbenzene
 Concen: 18.415 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.2	27.6

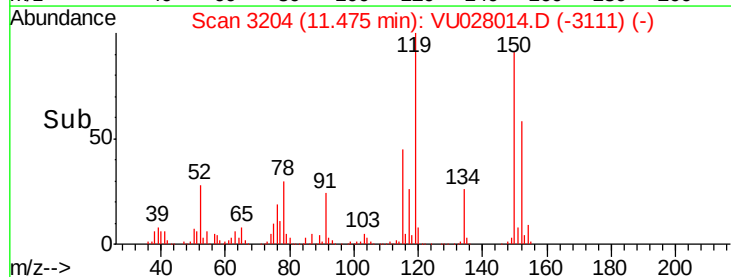
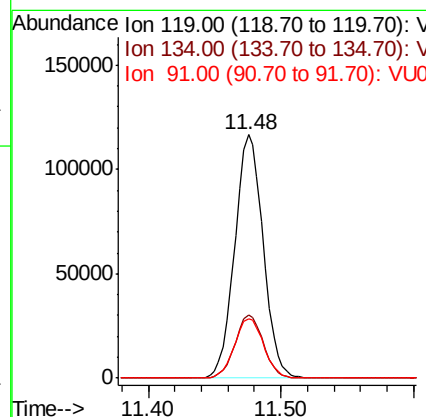
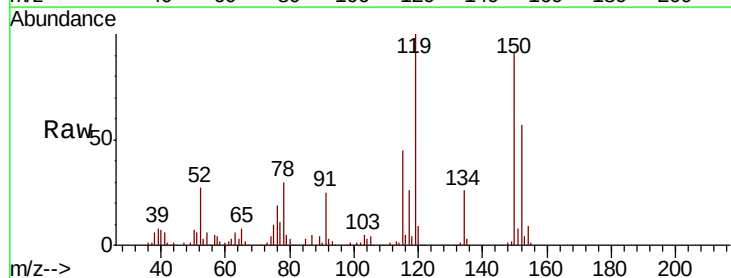
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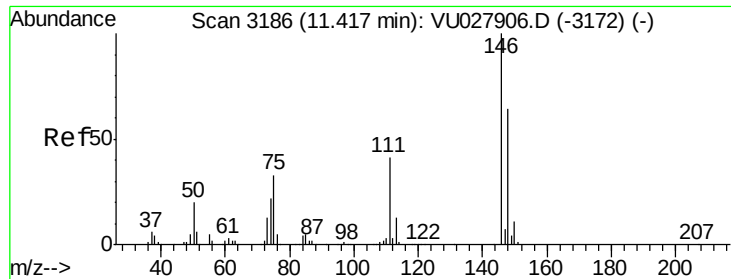
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#86
 p-Isopropyltoluene
 Concen: 18.380 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.7
91	25.1	12.4	37.2





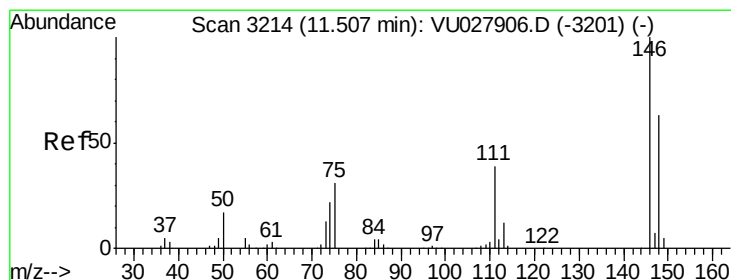
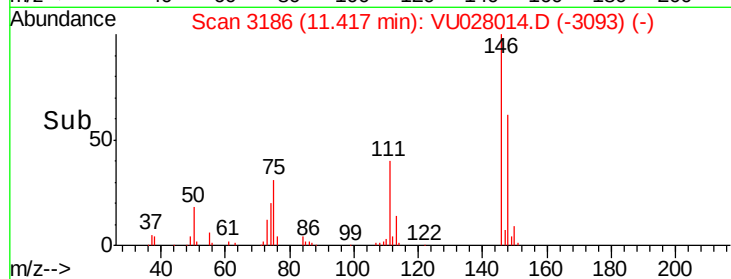
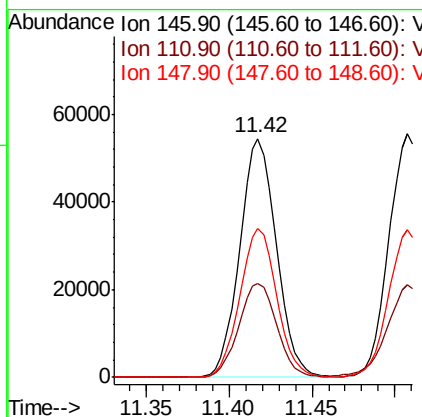
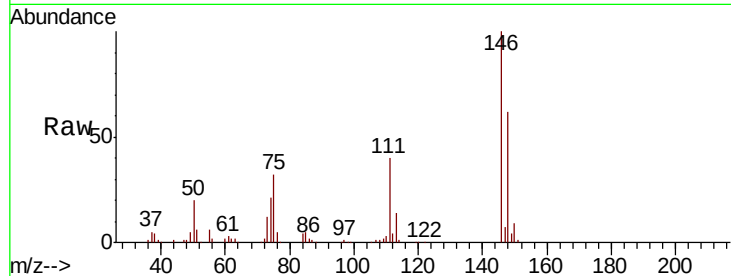
#87
 1,3-Dichlorobenzene
 Concen: 17.655 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	61.0
148	62.6	31.8	95.4

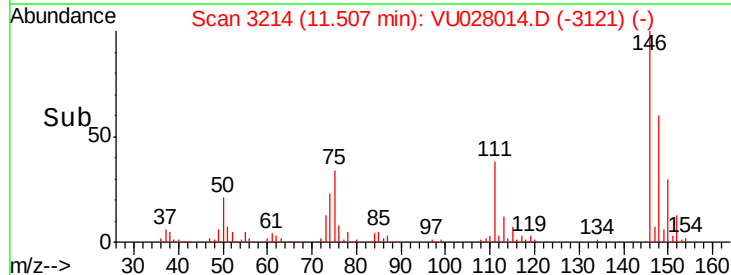
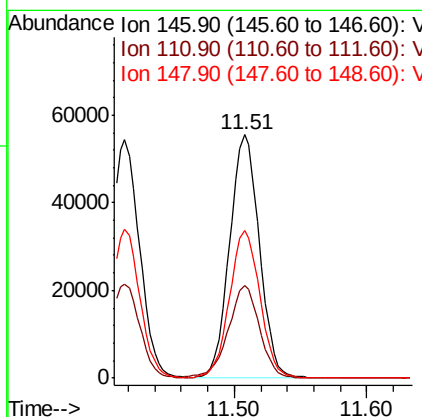
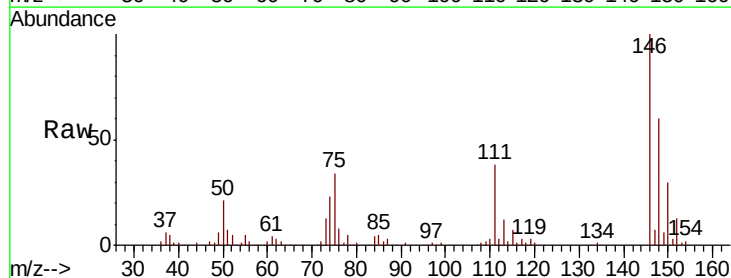
Manual Integrations
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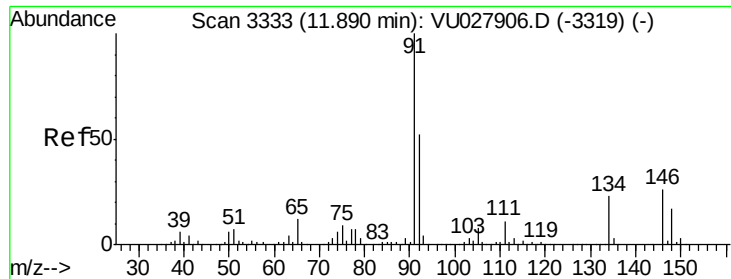
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#88
 1,4-Dichlorobenzene
 Concen: 17.804 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	62.0	32.0	96.2





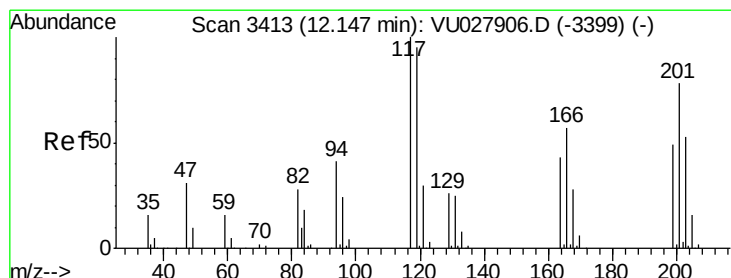
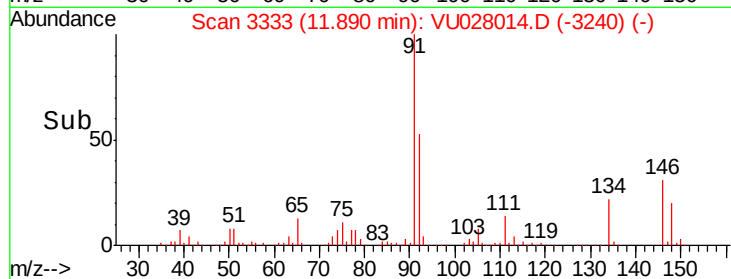
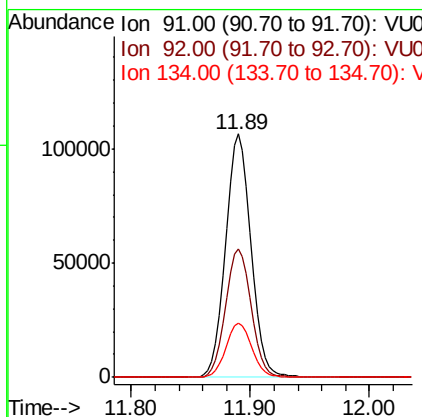
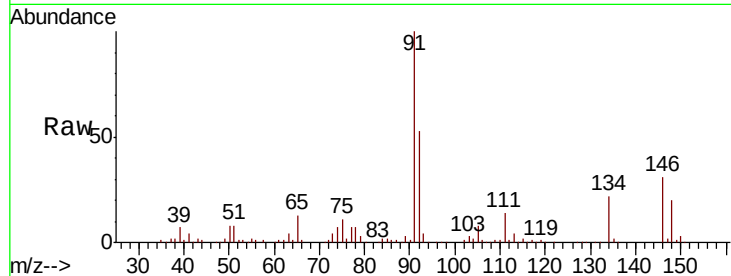
#89
n-Butylbenzene
Concen: 17.552 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.2	78.5
134	22.7	11.5	34.5

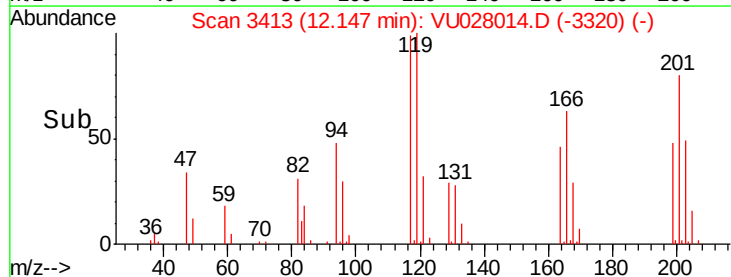
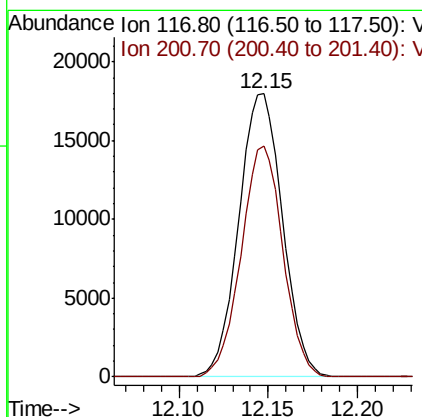
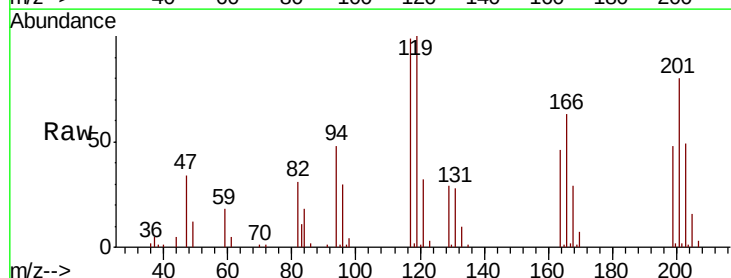
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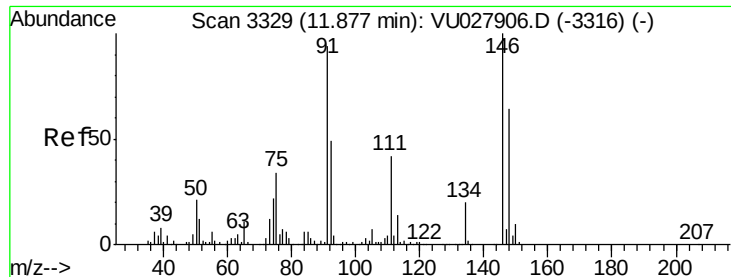
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#90
Hexachloroethane
Concen: 18.254 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	38.5	115.5





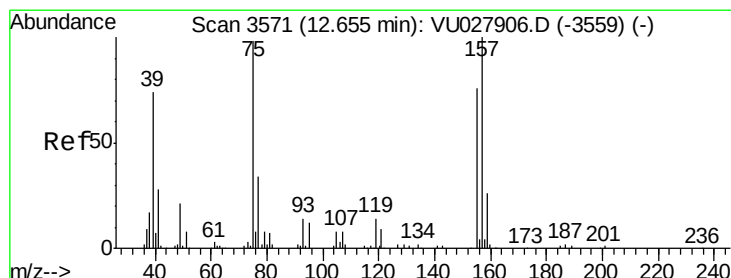
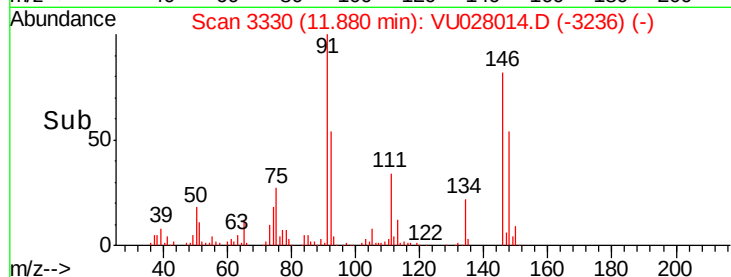
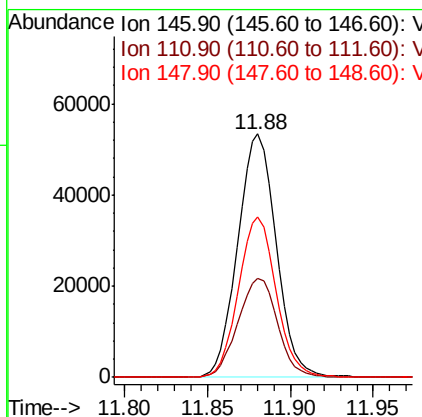
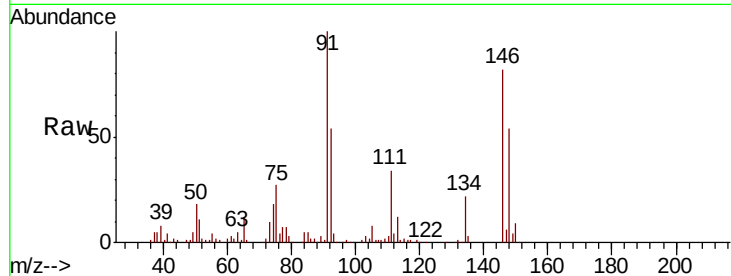
#91
1,2-Dichlorobenzene
Concen: 18.095 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	64.0
148	64.3	31.8	95.3

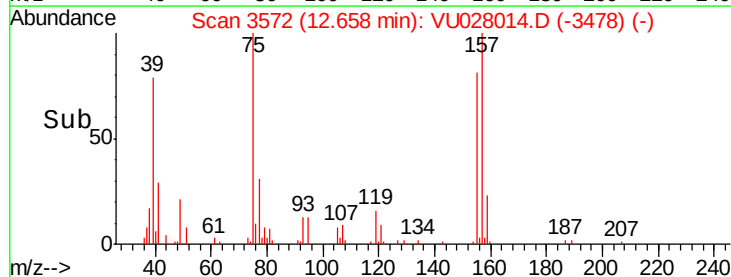
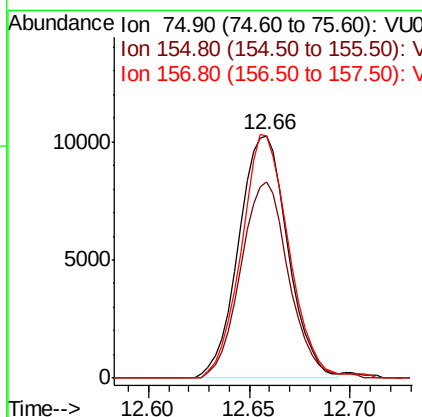
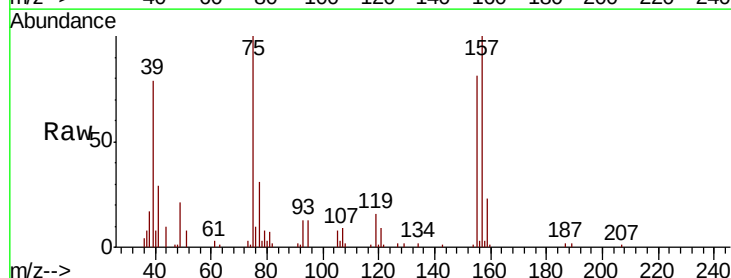
Manual Integrations
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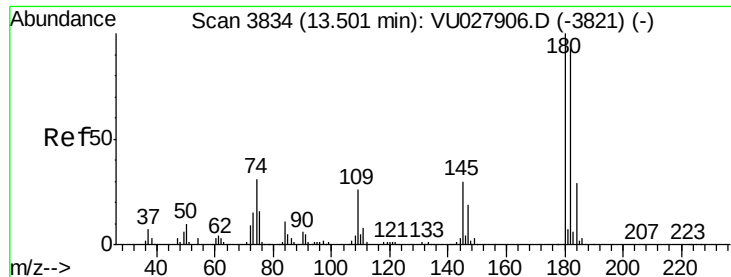
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 18.350 ug/l
RT: 12.66 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.0	39.8	119.3
157	97.5	50.6	151.9





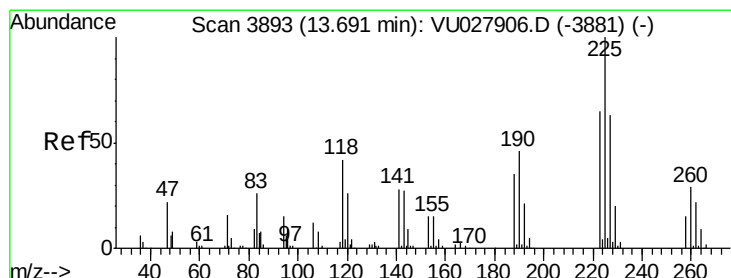
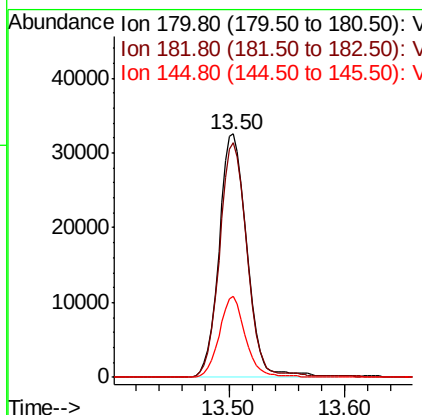
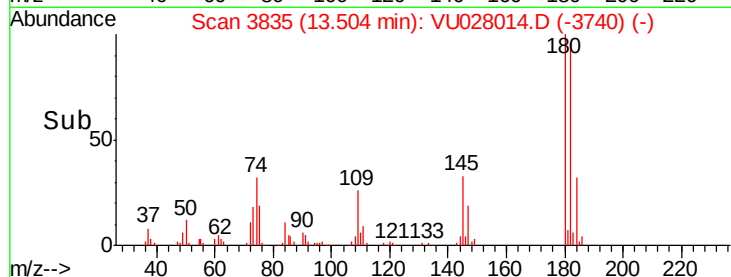
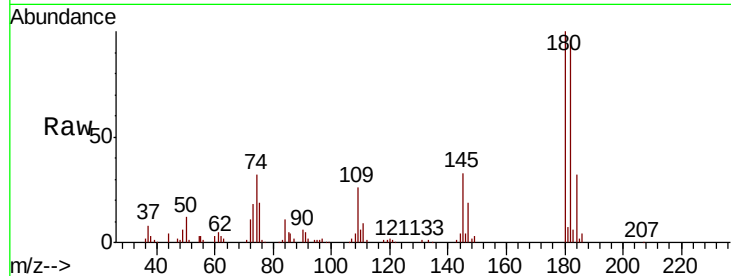
#93
 1,2,4-Trichlorobenzene
 Concen: 16.624 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.4	145.2
145	31.3	14.9	44.5

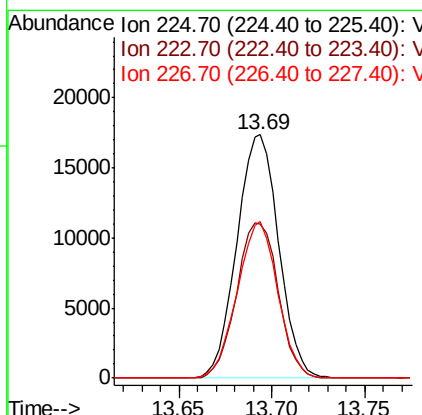
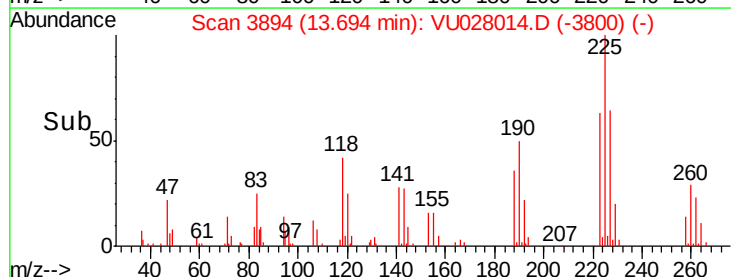
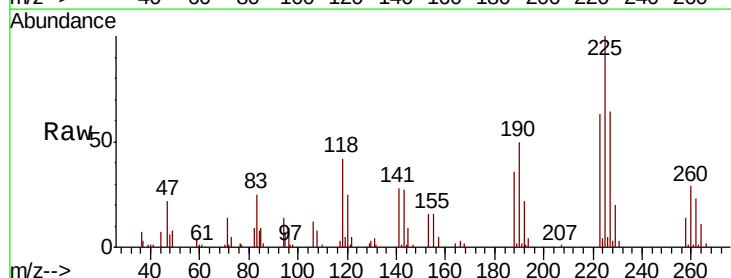
Manual Integrations
 APPROVED

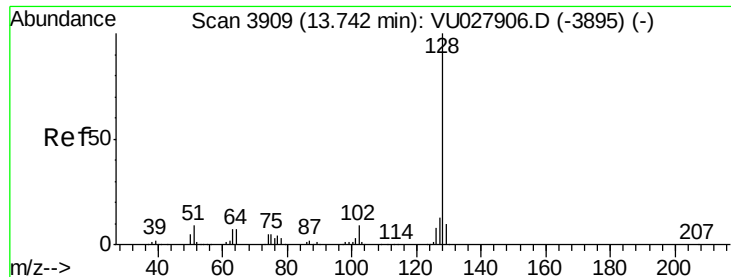
MMDadoda
 11/9/2018 12:03:04 PM



#94
 Hexachlorobutadiene
 Concen: 17.958 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU028014.D
 Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	32.2	96.6
227	62.2	32.5	97.4





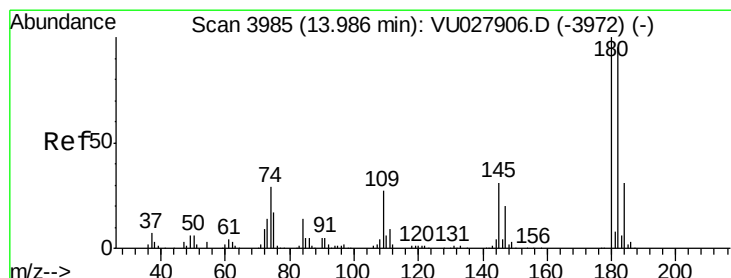
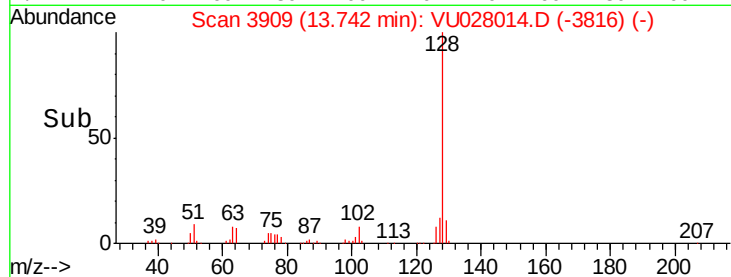
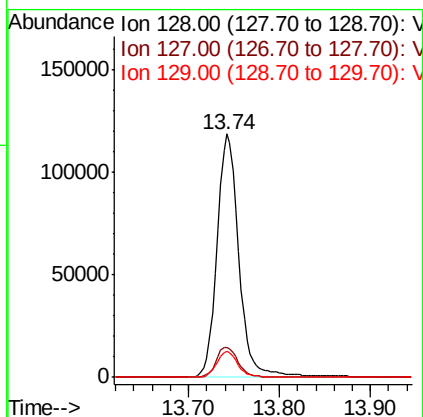
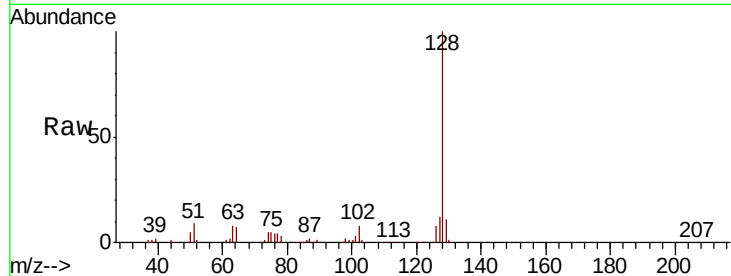
#95
Naphthalene
Concen: 16.633 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VU1108WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.4	15.6
129	9.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/9/2018 12:03:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.449 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028014.D
Acq: 08 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.4	142.3
145	30.7	16.0	47.9

