

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029024.D
 Acq On : 04 Jan 2019 13:51
 Operator : MD/SY
 Sample : VU0105WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 12:48:57 PM

Quant Time: Jan 05 04:04:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	193433	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	72228	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
35) Dibromofluoromethane	4.88	113	61583	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	7.56	98	237448	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	10.31	95	82572	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	23769	19.974	ug/l	100
3) Chloromethane	1.33	50	36628	18.849	ug/l	98
4) Vinyl Chloride	1.40	62	34667	19.768	ug/l	97
5) Bromomethane	1.61	94	18938	19.130	ug/l	98
6) Chloroethane	1.69	64	20569	19.692	ug/l	95
7) Trichlorofluoromethane	1.88	101	36978	19.351	ug/l	96
8) Diethyl Ether	2.10	74	18086	19.701	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	24128	18.871	ug/l	98
10) Methyl Iodide	2.41	142	24735	20.575	ug/l	99
11) Tert butyl alcohol	2.83	59	33695	89.365	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23875	19.184	ug/l	93
13) Acrolein	2.19	56	24627	86.983	ug/l	99
14) Allyl chloride	2.59	41	42660	18.682	ug/l	95
15) Acrylonitrile	2.93	53	91260	98.656	ug/l	99
16) Acetone	2.32	43	89852	96.154	ug/l	99
17) Carbon Disulfide	2.47	76	80037	19.077	ug/l	100
18) Methyl Acetate	2.61	43	43322	19.939	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	84101	19.222	ug/l	99
20) Methylene Chloride	2.70	84	30073	18.955	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	26964	18.649	ug/l	98
22) Diisopropyl ether	3.57	45	91978	20.381	ug/l	95
23) Vinyl Acetate	3.52	43	369589	100.176	ug/l	99
24) 1,1-Dichloroethane	3.44	63	51635	19.820	ug/l	98
25) 2-Butanone	4.26	43	124478	98.626	ug/l	97
26) 2,2-Dichloropropane	4.22	77	42347	20.117	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	31009	19.609	ug/l	99
28) Bromochloromethane	4.55	49	24608	22.059	ug/l	97
29) Tetrahydrofuran	4.64	42	75041	98.029	ug/l	98
30) Chloroform	4.67	83	50443	20.328	ug/l	100
31) Cyclohexane	4.99	56	50688	19.936	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	40224	19.618	ug/l	97
36) 1,1-Dichloropropene	5.13	75	37969	19.638	ug/l	99
37) Ethyl Acetate	4.38	43	41193	19.410	ug/l	100
38) Carbon Tetrachloride	5.13	117	32624	20.231	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	46599	19.605	ug/l	99
40) Benzene	5.39	78	119352	19.790	ug/l	100
41) Methacrylonitrile	4.54	41	22981	20.229	ug/l	99
42) 1,2-Dichloroethane	5.40	62	38412	21.196	ug/l	99
43) Isopropyl Acetate	5.55	43	66872	20.541	ug/l	99
44) Trichloroethene	6.18	130	28776	19.257	ug/l	95
45) 1,2-Dichloropropane	6.43	63	32205	20.221	ug/l	98
46) Dibromomethane	6.56	93	20637	20.270	ug/l	99
47) Bromodichloromethane	6.76	83	37917	20.227	ug/l	99
48) Methyl methacrylate	6.62	41	32841	20.717	ug/l	99
49) 1,4-Dioxane	6.61	88	14513	386.322	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	217651	98.236	ug/l	99
52) Toluene	7.64	92	73600	20.046	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	43756	19.431	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	48736	20.029	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	29745	20.223	ug/l	99
56) Ethyl methacrylate	8.02	69	44229	19.518	ug/l	97
57) 1,3-Dichloropropane	8.24	76	51250	20.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	101398	101.749	ug/l	98
59) 2-Hexanone	8.36	43	172334	99.090	ug/l	97
60) Dibromochloromethane	8.48	129	28815	19.774	ug/l	97
61) 1,2-Dibromoethane	8.58	107	31643	19.836	ug/l	100
64) Tetrachloroethene	8.22	164	26076	19.840	ug/l	94
65) Chlorobenzene	9.12	112	77481	18.945	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	26626	20.062	ug/l	99
67) Ethyl Benzene	9.25	91	132502	19.406	ug/l	99
68) m/p-Xylenes	9.37	106	104284	39.308	ug/l	96
69) o-Xylene	9.78	106	49724	19.452	ug/l	99
70) Styrene	9.79	104	80167	19.130	ug/l	100
71) Bromoform	9.96	173	22344	18.908	ug/l #	97
73) Isopropylbenzene	10.16	105	128430	19.518	ug/l	99
74) N-amyl acetate	10.01	43	55817	19.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51048	19.357	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	42908m	19.700	ug/l	
77) Bromobenzene	10.45	156	33482	19.526	ug/l	100
78) n-propylbenzene	10.58	91	152756	19.699	ug/l	99
79) 2-Chlorotoluene	10.66	91	92300	19.622	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	108138	19.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	14591m	17.277	ug/l	
82) 4-Chlorotoluene	10.77	91	103069	19.109	ug/l	100
83) tert-Butylbenzene	11.10	119	102496	18.925	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	109415	19.945	ug/l	100
85) sec-Butylbenzene	11.32	105	128879	19.677	ug/l	99
86) p-Isopropyltoluene	11.47	119	107755	19.307	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	59496	18.916	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	59871	18.441	ug/l	99
89) n-Butylbenzene	11.89	91	96175	19.307	ug/l	99
90) Hexachloroethane	12.14	117	17373	18.503	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	59323	18.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9727	19.177	ug/l	96

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	36210	17.906	ug/l	100
94) Hexachlorobutadiene	13.69	225	17803	19.247	ug/l	98
95) Naphthalene	13.74	128	117965	17.148	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	37269	18.400	ug/l	98

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

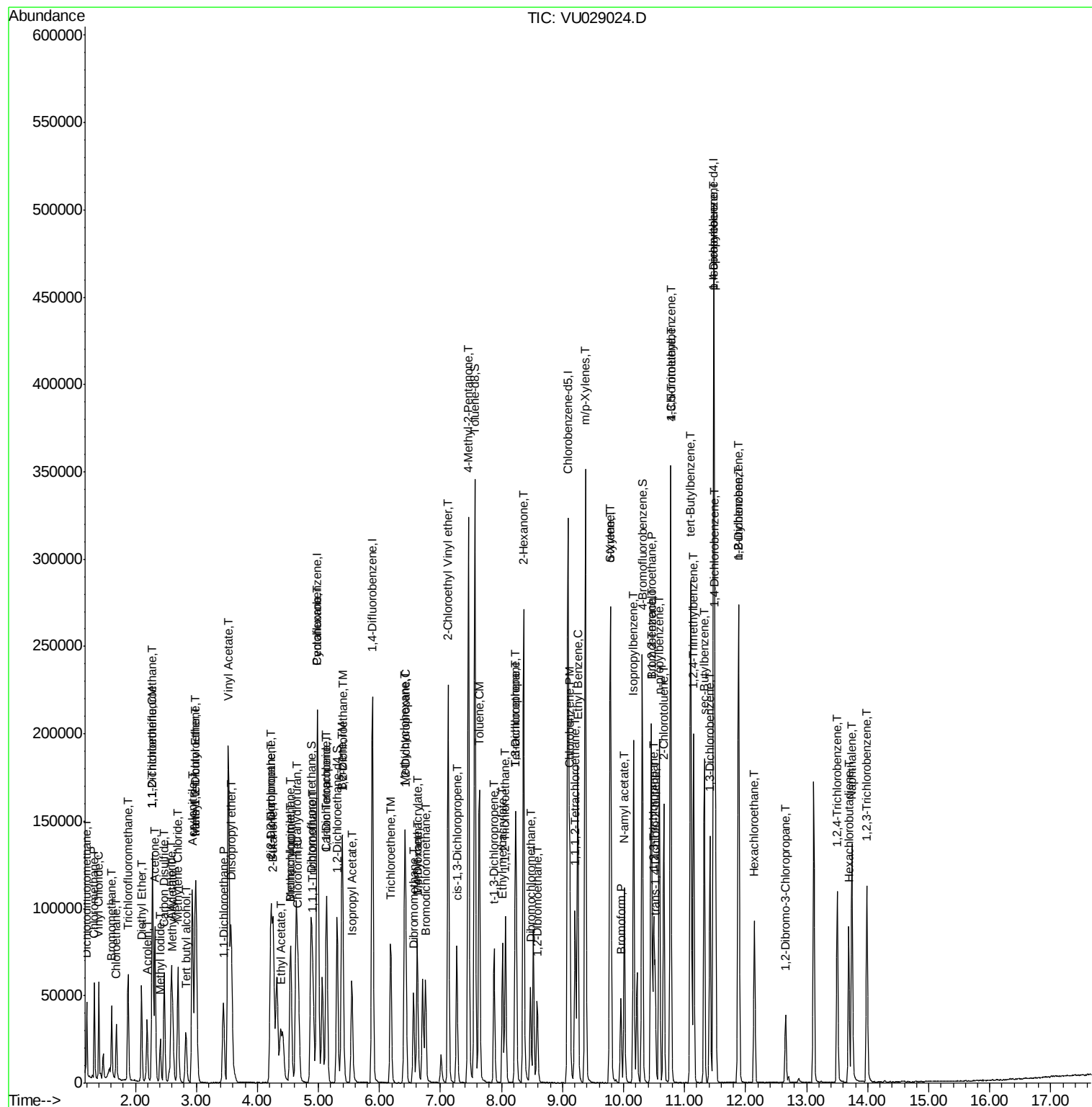
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 Data File : VU029024.D
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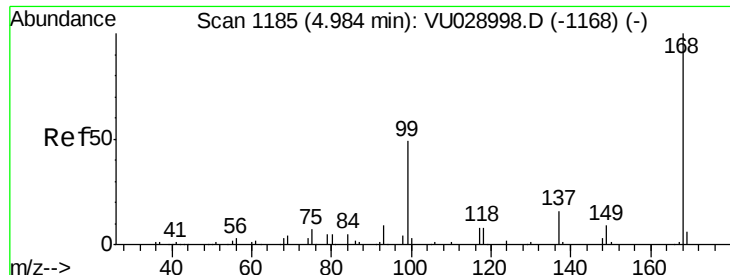
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion:168 Resp: 119994

Ion Ratio Lower Upper

168 100

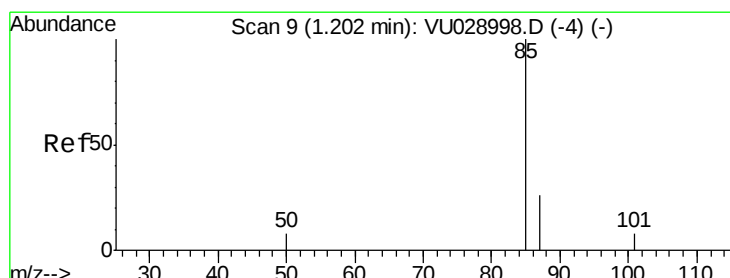
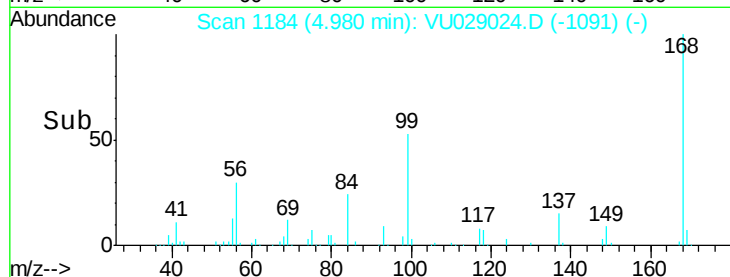
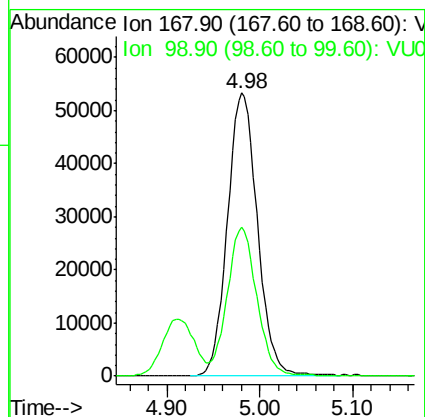
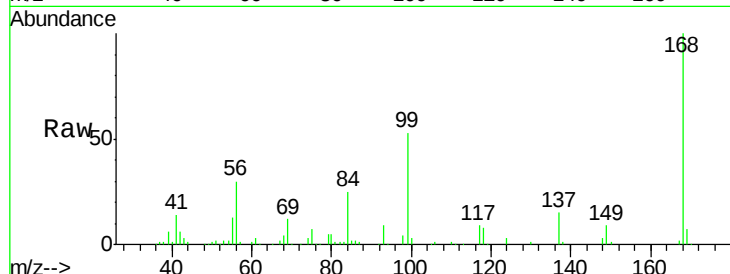
99 52.4 42.0 63.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.974 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029024.D

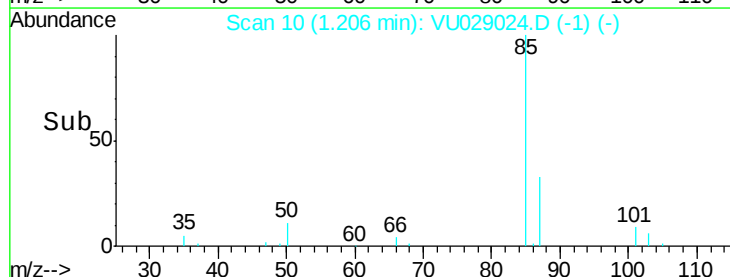
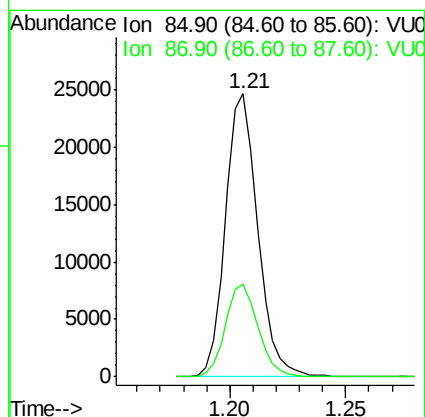
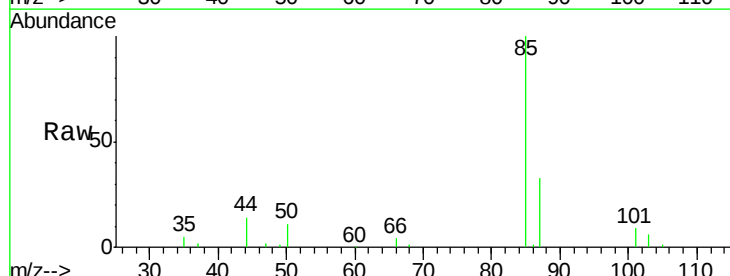
Acq: 04 Jan 2019 13:51

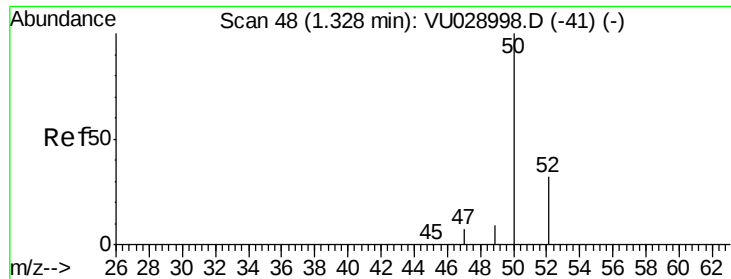
Tgt Ion: 85 Resp: 23769

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8





#3

Chloromethane

Concen: 18.849 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 50 Resp: 36628

Ion Ratio Lower Upper

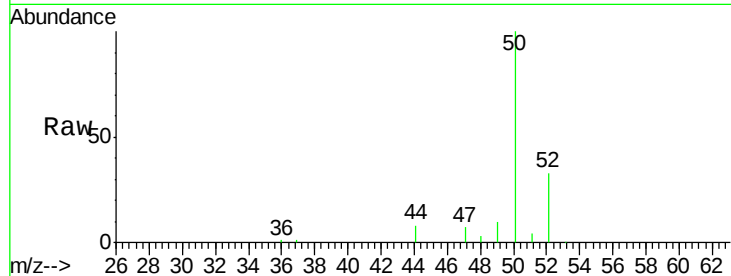
50 100

52 33.5 26.1 39.1

Manual Integrations
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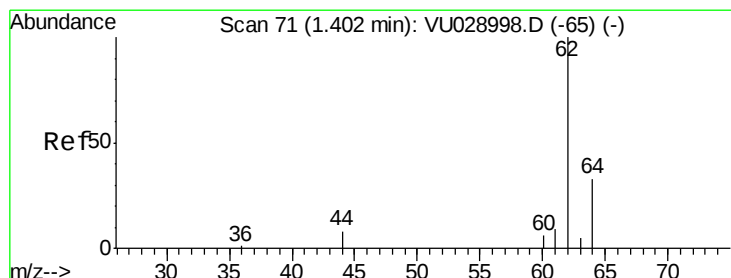
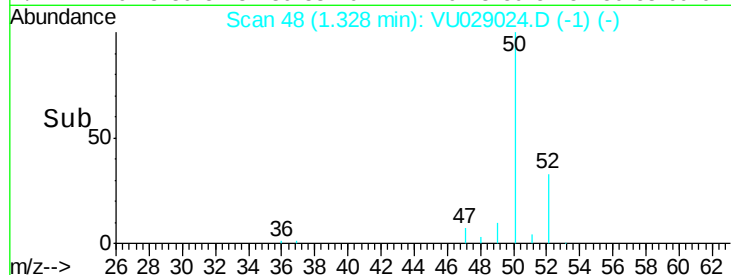
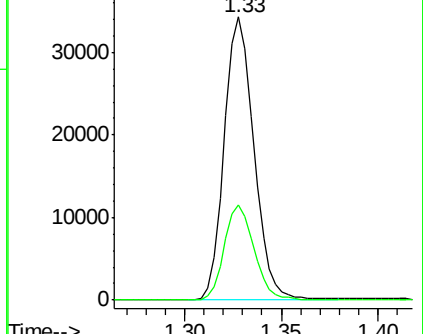
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.768 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029024.D

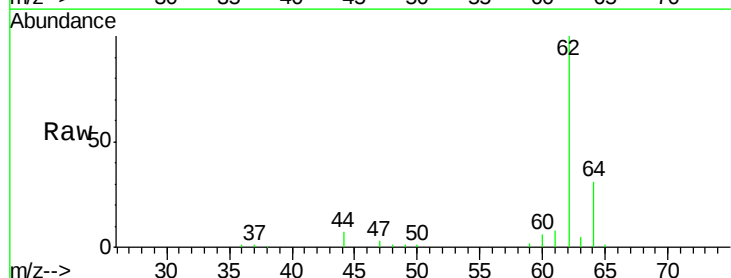
Acq: 04 Jan 2019 13:51

Tgt Ion: 62 Resp: 34667

Ion Ratio Lower Upper

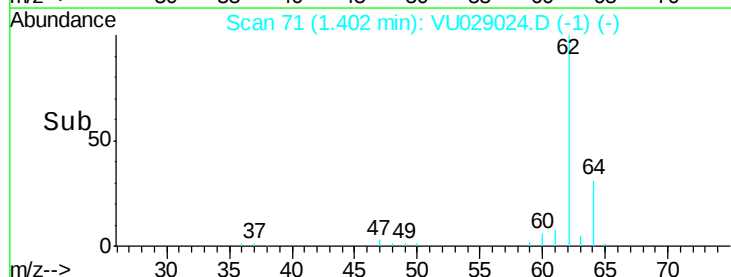
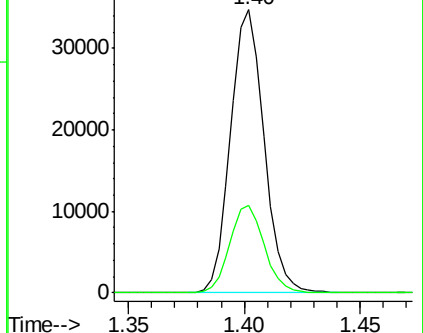
62 100

64 31.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 19.130 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 94 Resp: 18938

Ion Ratio Lower Upper

94 100

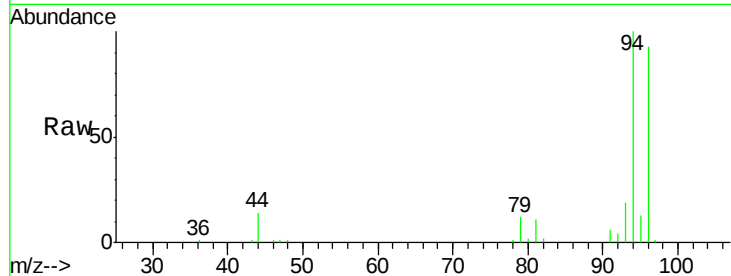
96 92.9 75.5 113.3

Manual Integrations

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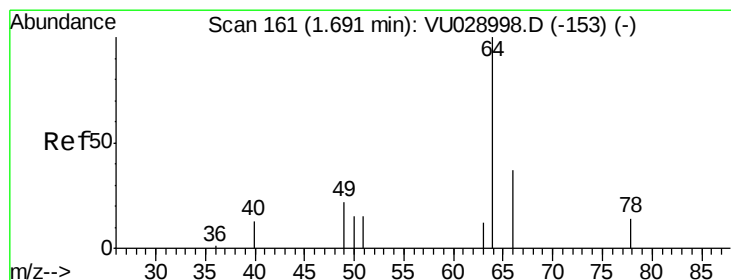
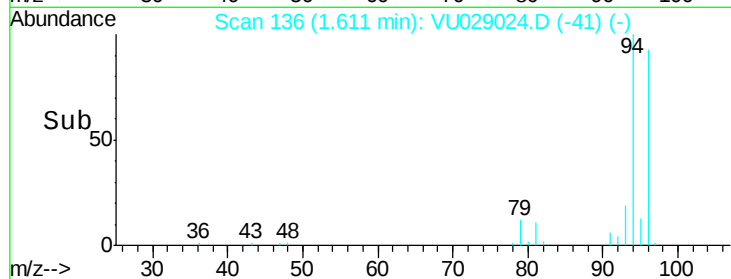
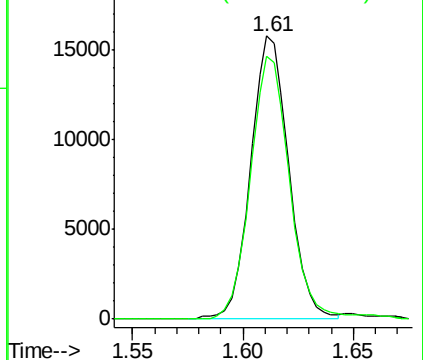
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.692 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029024.D

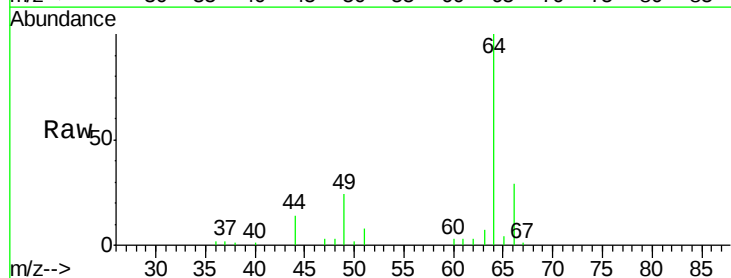
Acq: 04 Jan 2019 13:51

Tgt Ion: 64 Resp: 20569

Ion Ratio Lower Upper

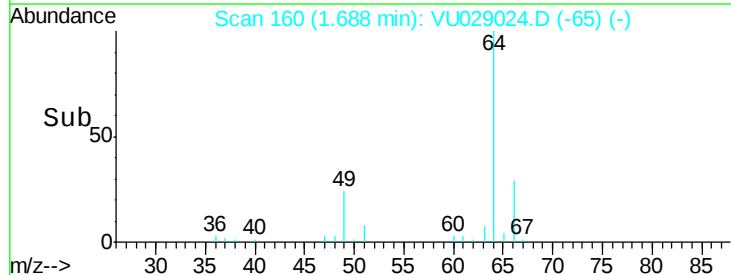
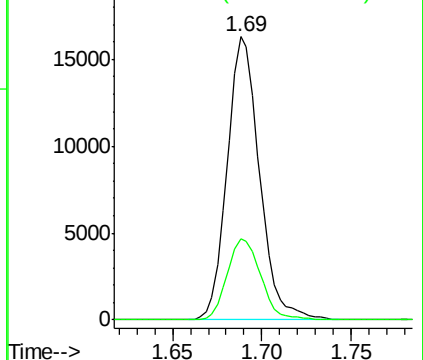
64 100

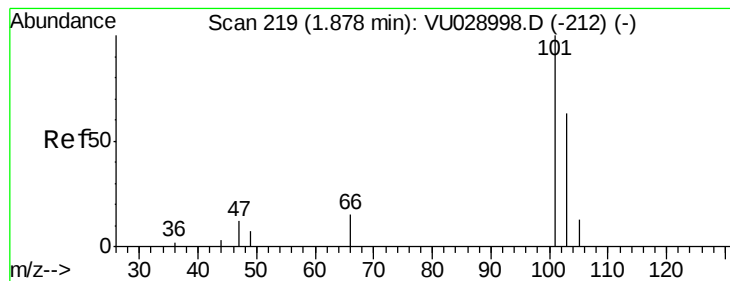
66 28.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

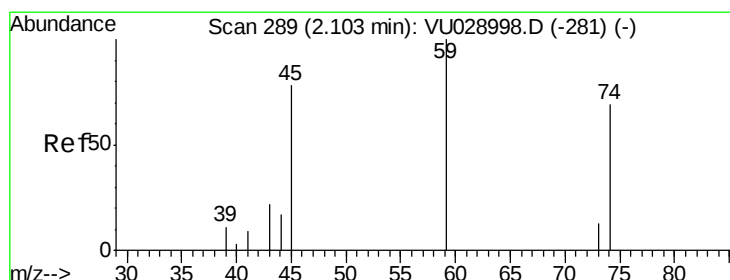
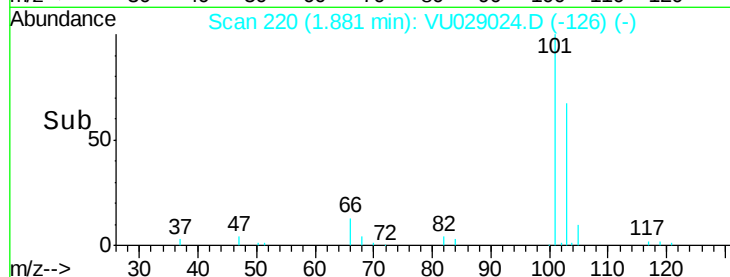
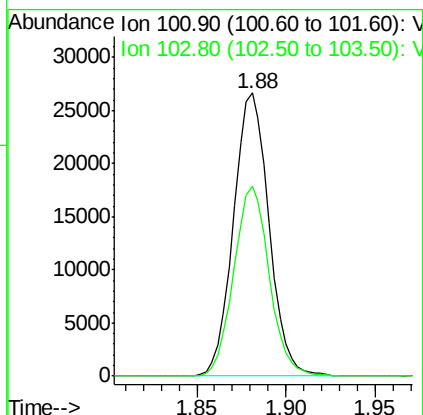
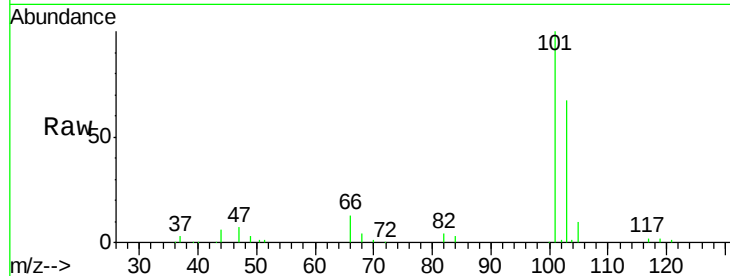
Trichlorofluoromethane
Concen: 19.351 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion:101 Resp: 36978
Ion Ratio Lower Upper
101 100
103 67.2 51.5 77.3

Manual Integrations
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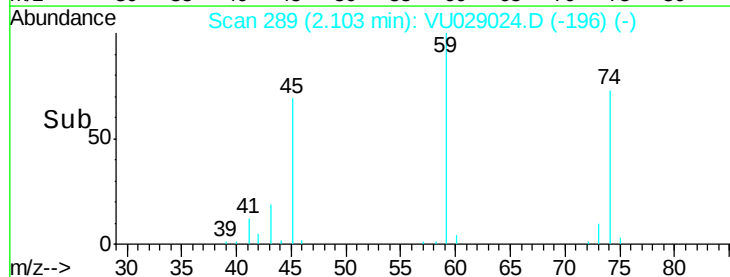
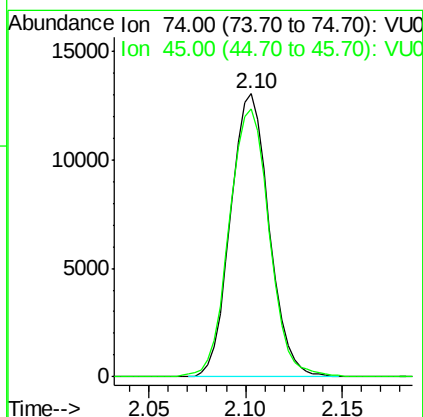
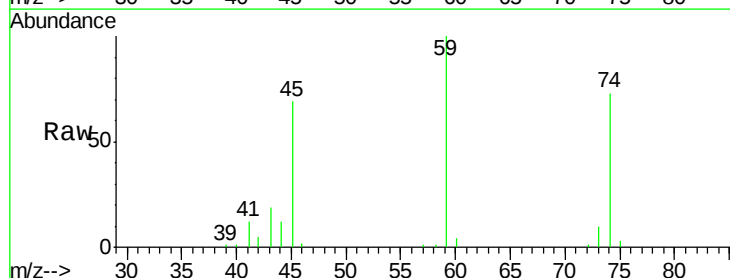
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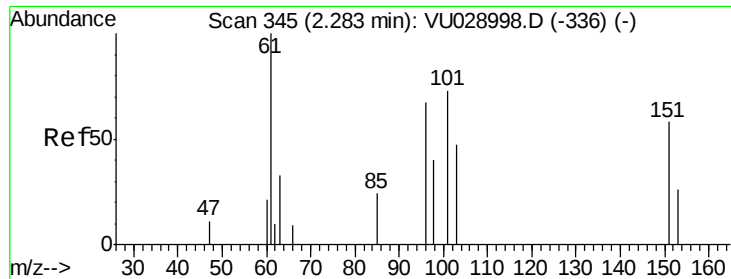


#8

Diethyl Ether
Concen: 19.701 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 74 Resp: 18086
Ion Ratio Lower Upper
74 100
45 99.0 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.871 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

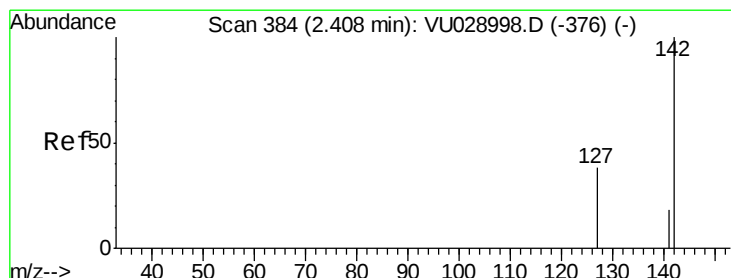
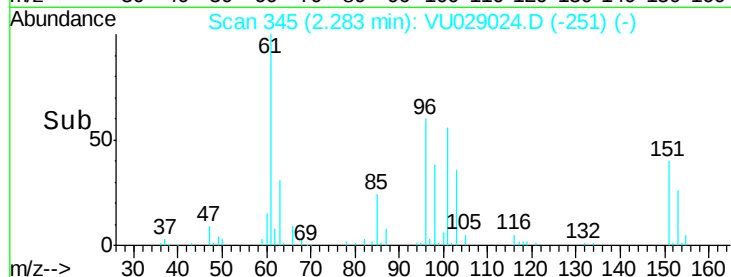
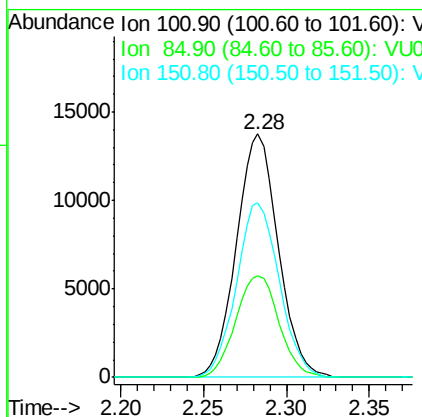
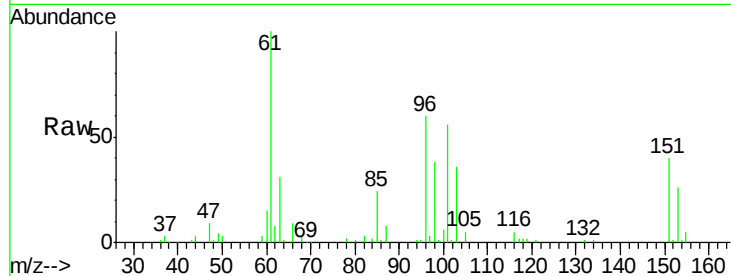
ClientSampleId :

VU0105WBS01

Tot Ion:	101	Resp:	24128
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.1	52.7
151	73.3	60.2	90.2

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#10

Methyl Iodide

Concen: 20.575 ug/l

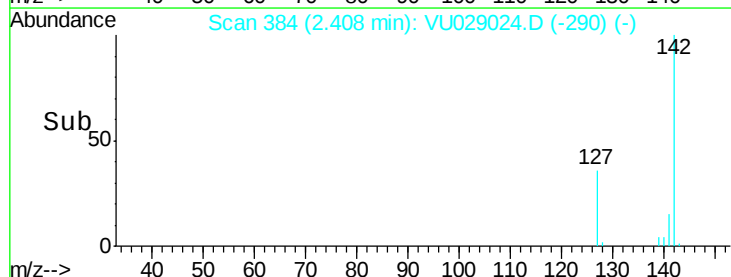
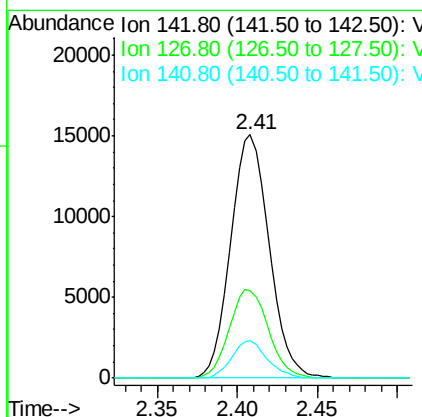
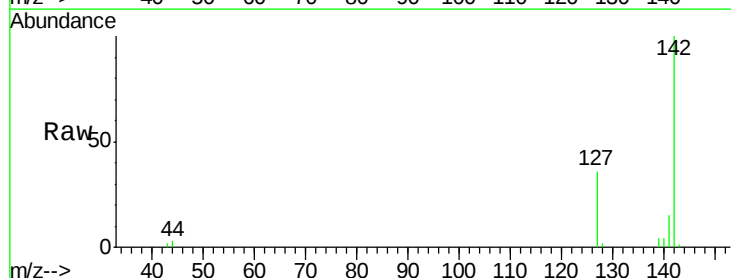
RT: 2.41 min Scan# 384

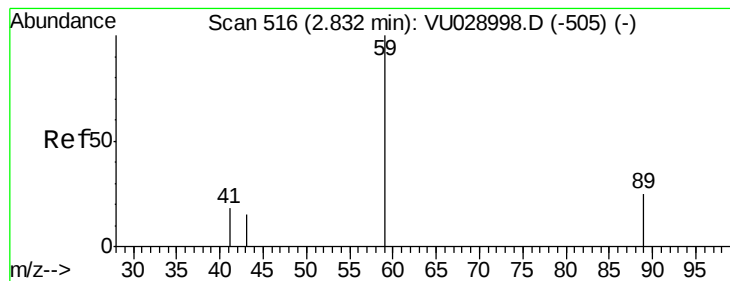
Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Tgt Ion:	142	Resp:	24735
Ion Ratio	Lower	Upper	
142	100		
127	36.9	29.8	44.6
141	14.0	11.5	17.3





#11

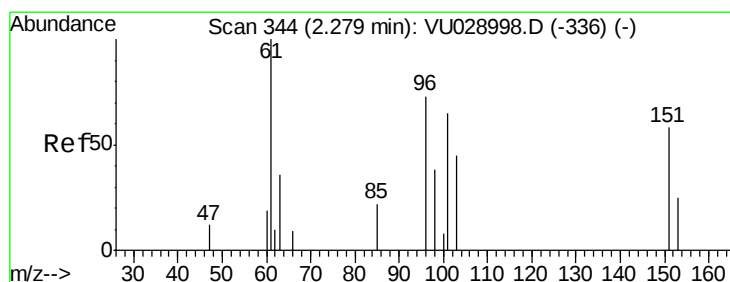
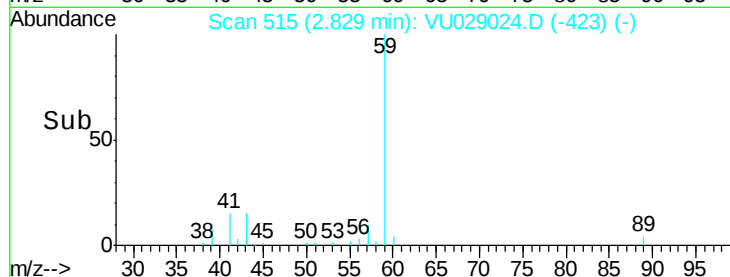
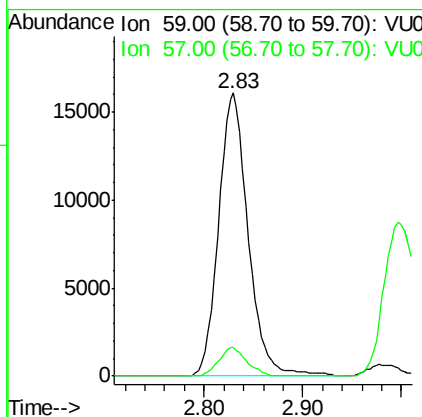
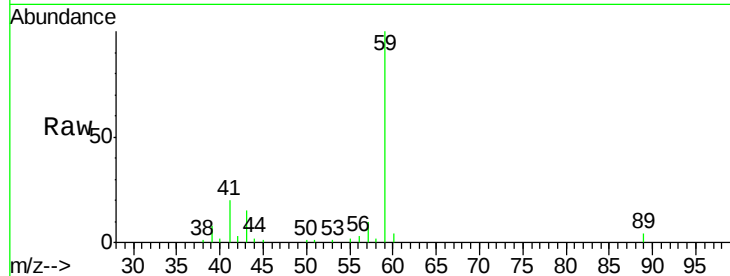
Tert butyl alcohol
 Concen: 89.365 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	9.6		7.9	11.9

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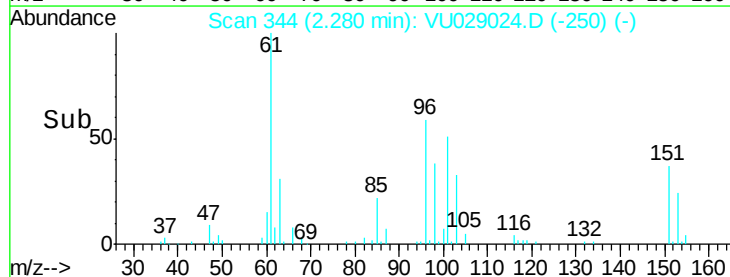
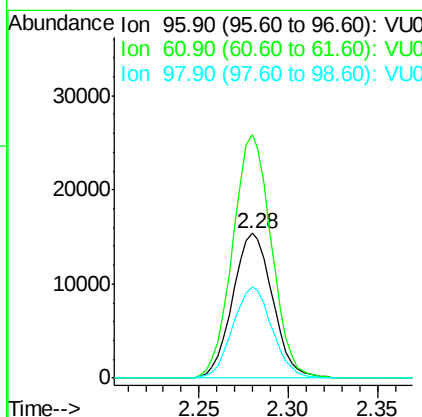
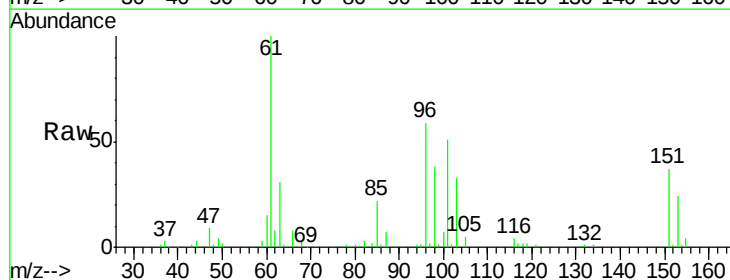
MMDadoda
 1/7/2019 12:48:57 PM

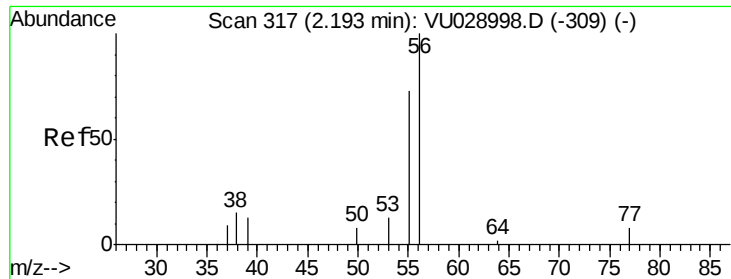


#12

1,1-Dichloroethene
 Concen: 19.184 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.6		125.4	188.0
98	63.3		49.7	74.5





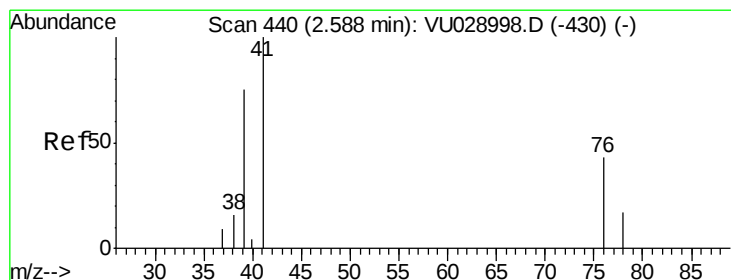
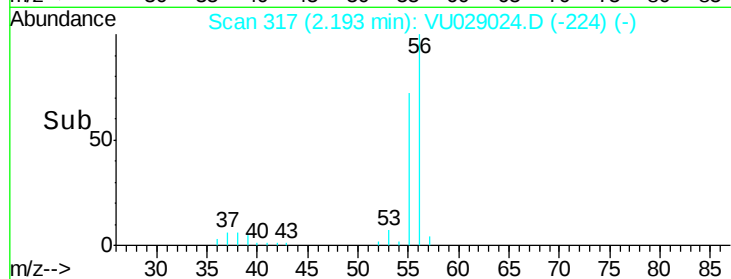
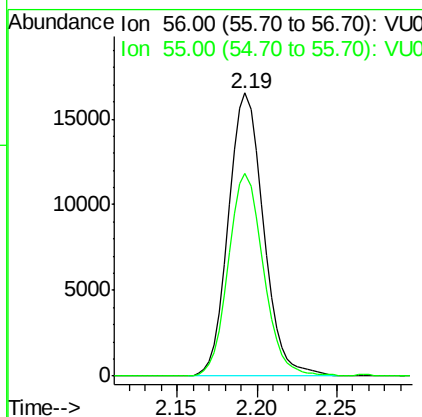
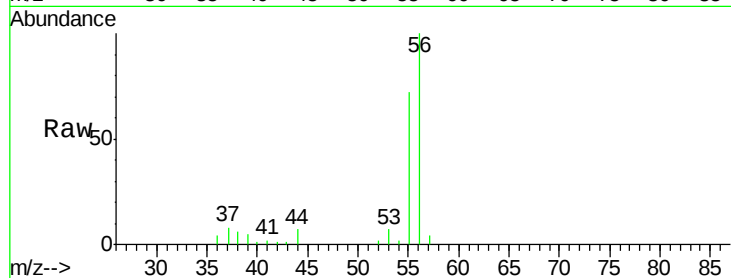
#13
Acrolein
Concen: 86.983 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion: 56 Resp: 24627
Ion Ratio Lower Upper
56 100
55 71.7 56.5 84.7

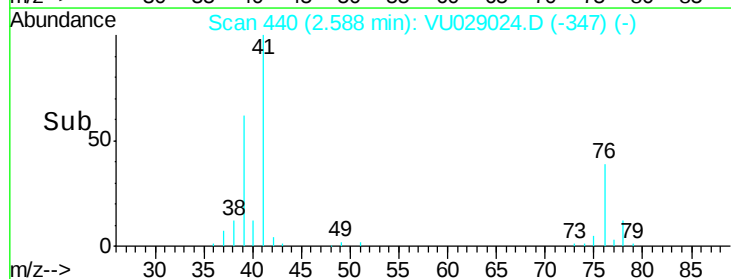
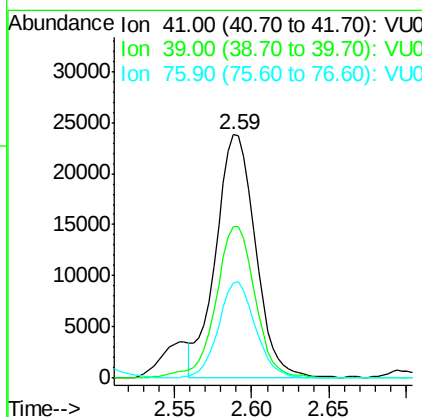
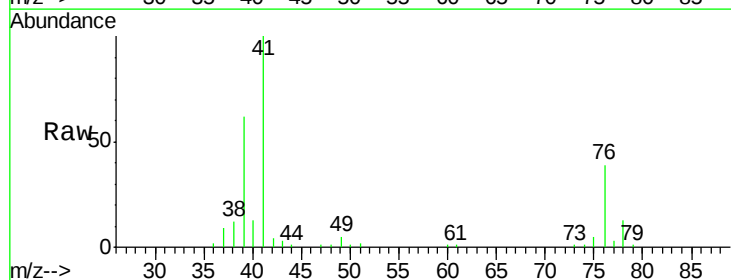
Manual Integrations
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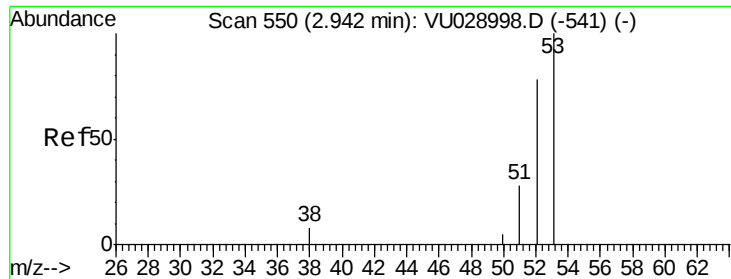
MMDadoda
1/7/2019 12:48:57 PM



#14
Allyl chloride
Concen: 18.682 ug/l
RT: 2.59 min Scan# 440
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 41 Resp: 42660
Ion Ratio Lower Upper
41 100
39 61.6 45.0 67.6
76 36.5 28.1 42.1





#15

Acrylonitrile

Concen: 98.656 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

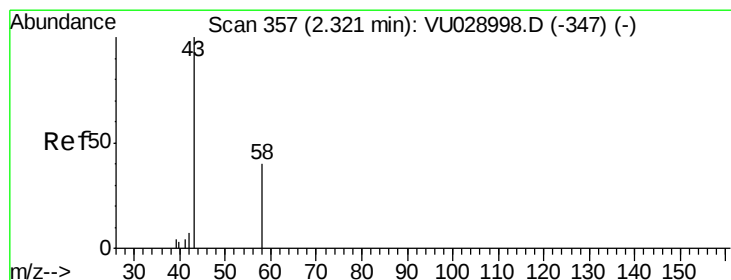
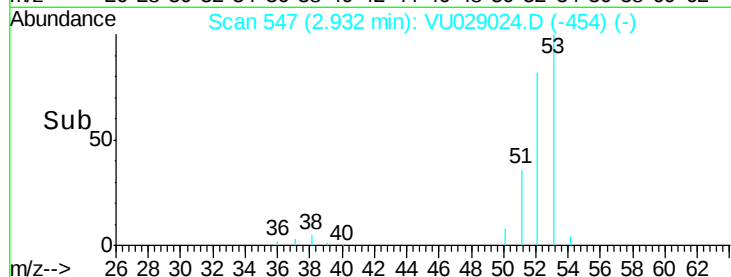
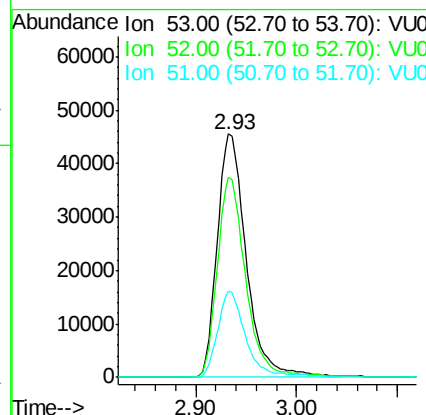
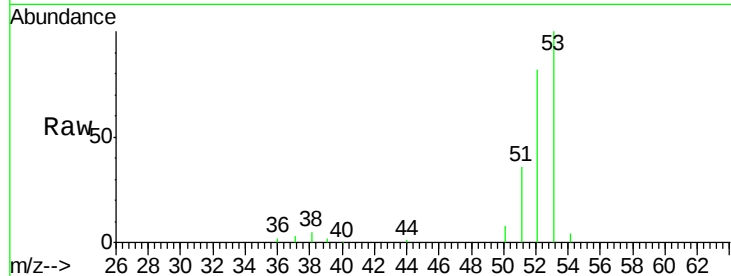
ClientSampleId :

VU0105WBS01

Tot Ion:	53	Resp:	91260
Ion	Ratio	Lower	Upper
53	100		
52	79.6	64.8	97.2
51	34.5	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 96.154 ug/l

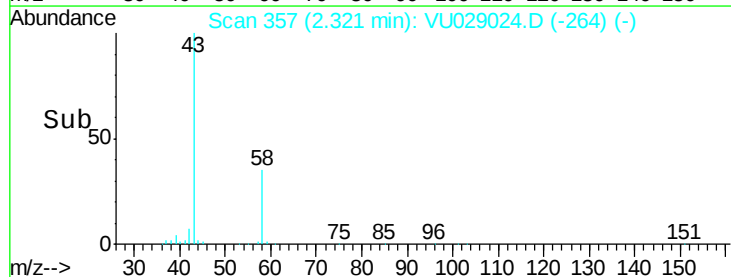
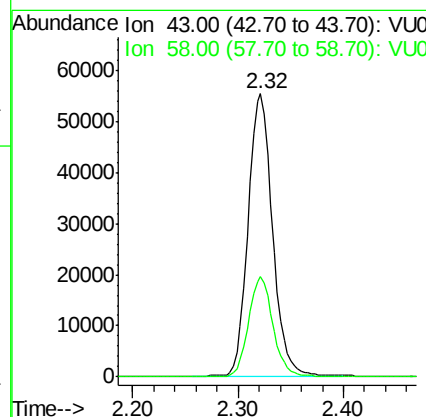
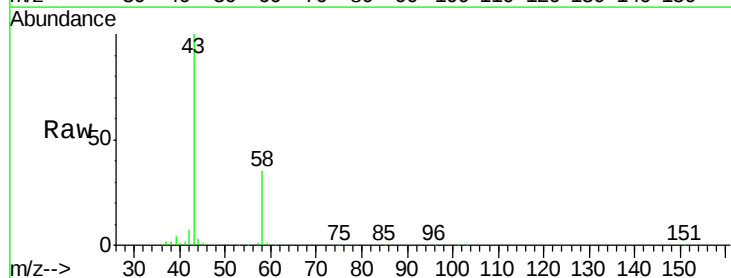
RT: 2.32 min Scan# 357

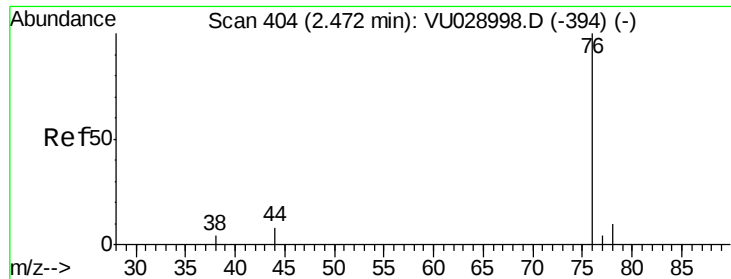
Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Tgt Ion:	43	Resp:	89852
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.6	42.8





#17

Carbon Disulfide

Concen: 19.077 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 76 Resp: 80037

Ion Ratio Lower Upper

76 100

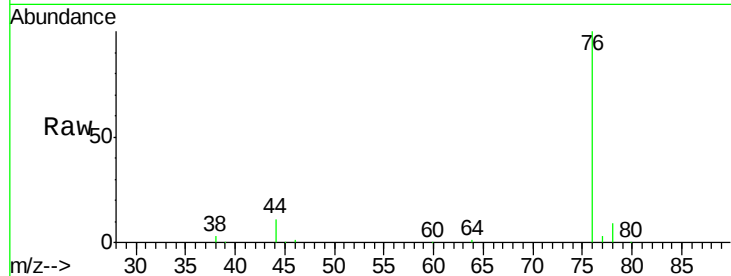
78 8.8 7.2 10.8

Manual Integrations

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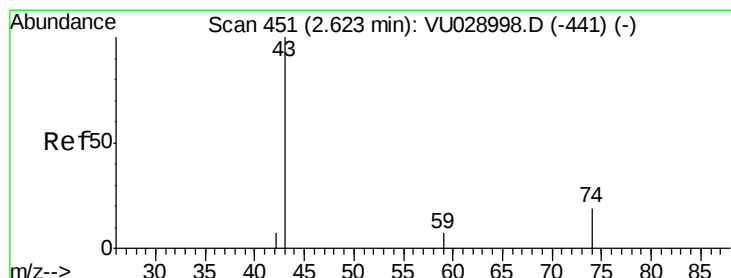
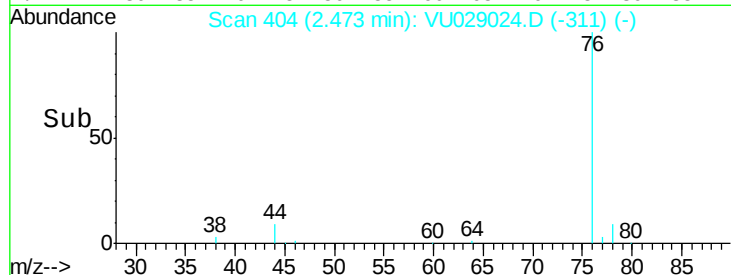
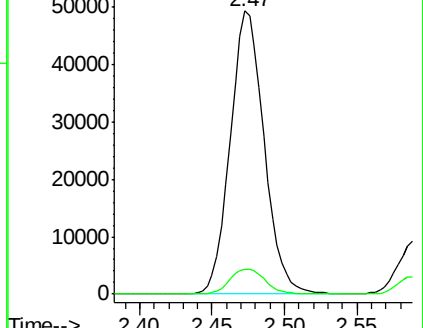
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Abundance Ion 75.90 (75.60 to 76.60): VU029024.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU029024.D (-311) (-)



#18

Methyl Acetate

Concen: 19.939 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029024.D

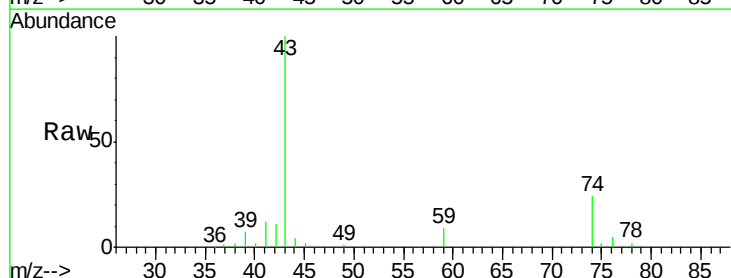
Acq: 04 Jan 2019 13:51

Tgt Ion: 43 Resp: 43322

Ion Ratio Lower Upper

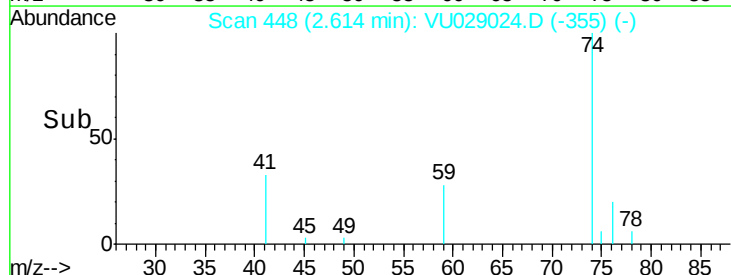
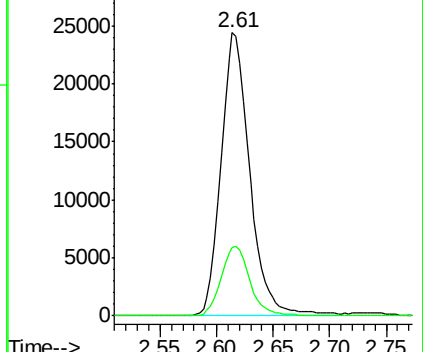
43 100

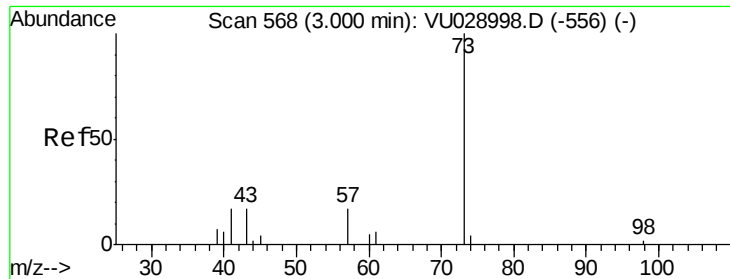
74 24.2 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU029024.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029024.D (-355) (-)





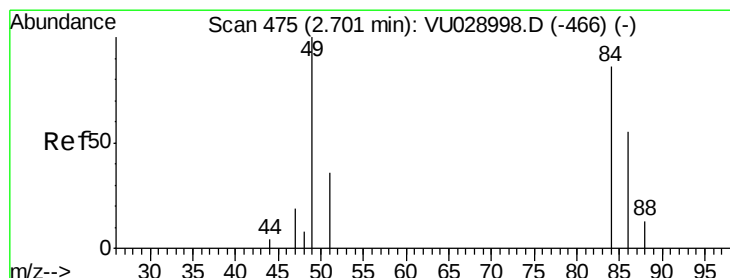
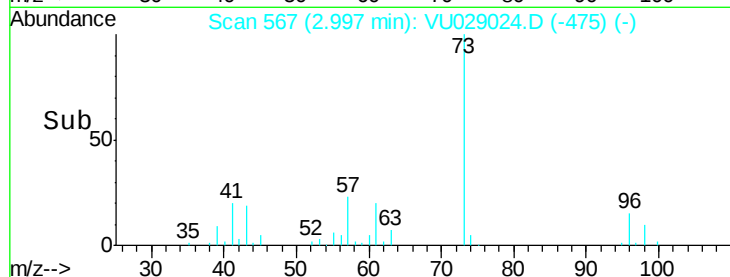
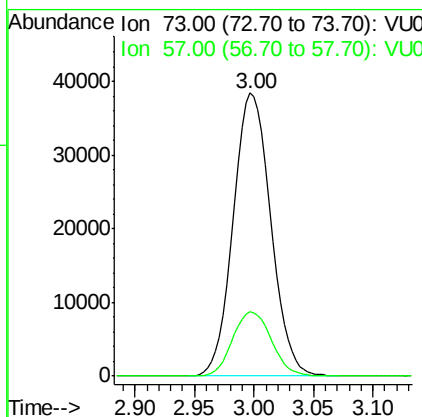
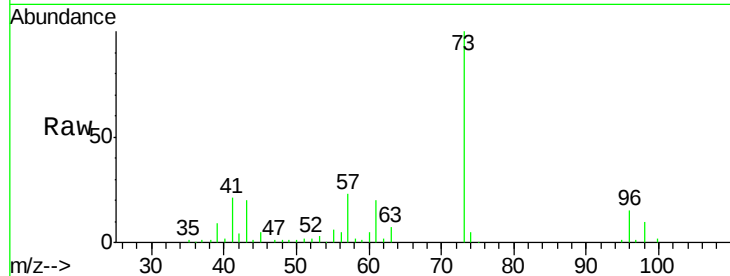
#19
Methvl tert-butvl Ether
Concen: 19.222 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion: 73 Resp: 84101
Ion Ratio Lower Upper
73 100
57 22.8 18.6 28.0

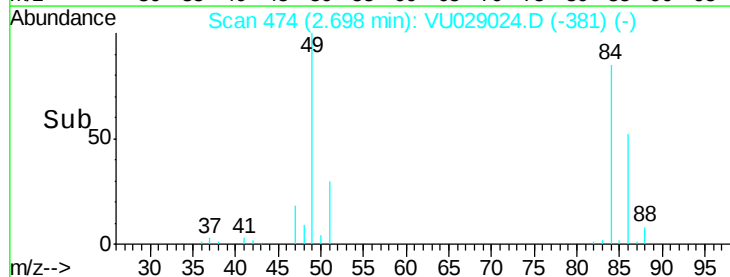
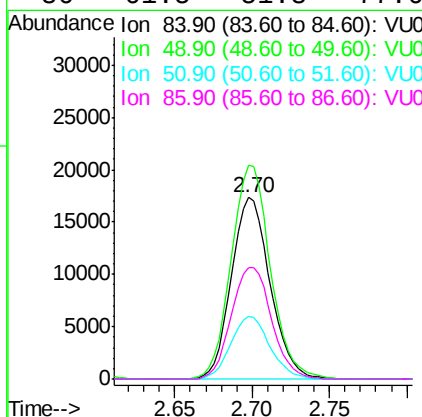
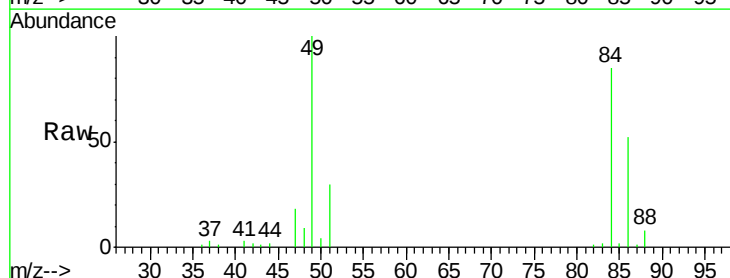
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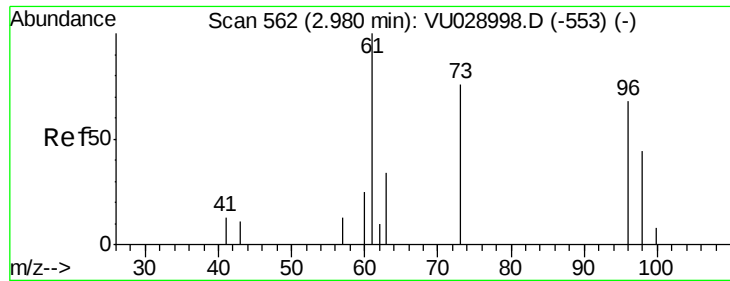
MMDadoda
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#20
Methylene Chloride
Concen: 18.955 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 84 Resp: 30073
Ion Ratio Lower Upper
84 100
49 117.5 91.9 137.9
51 34.8 29.2 43.8
86 61.5 51.8 77.6





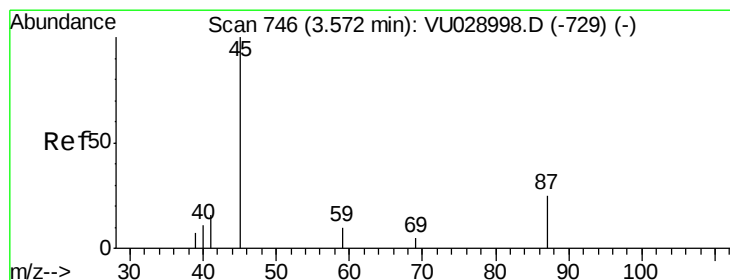
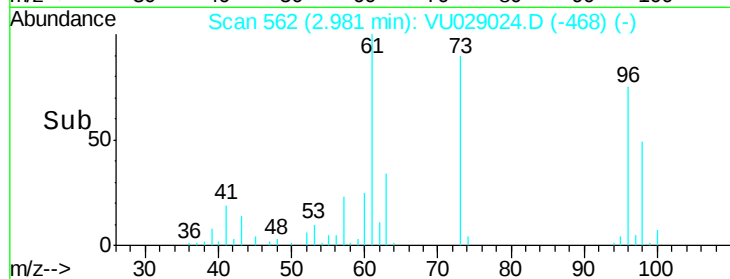
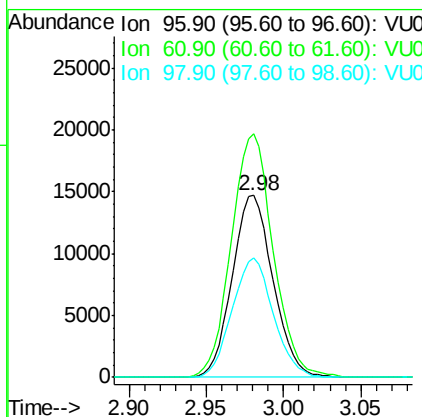
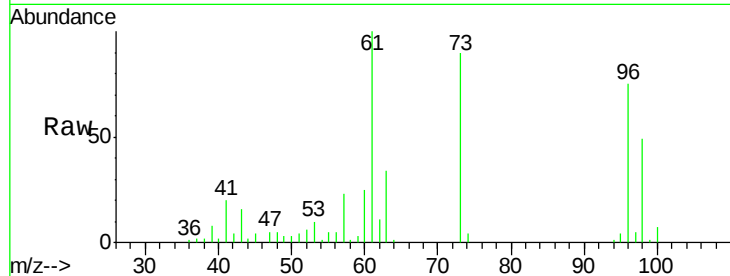
#21
trans-1,2-Dichloroethene
Concen: 18.649 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	107.7	161.5
98	65.9	49.2	73.8

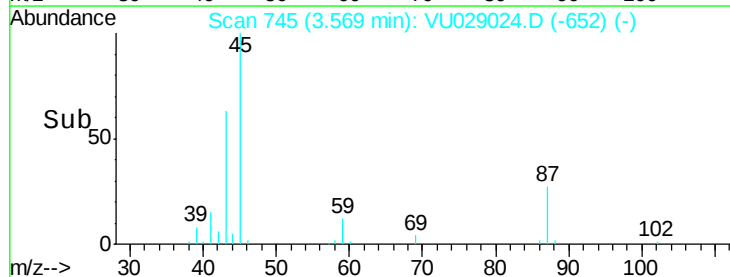
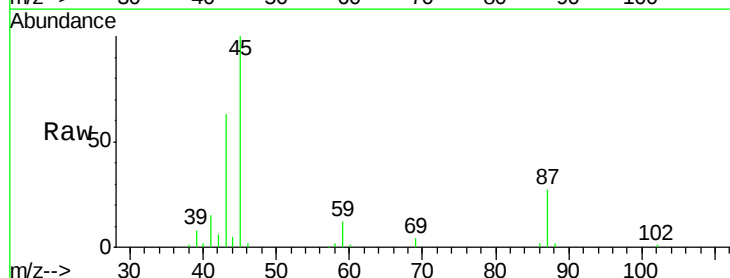
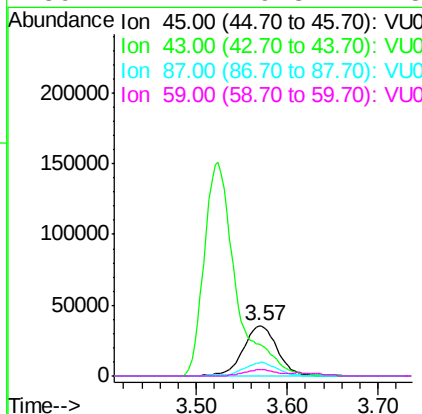
Manual Integrations
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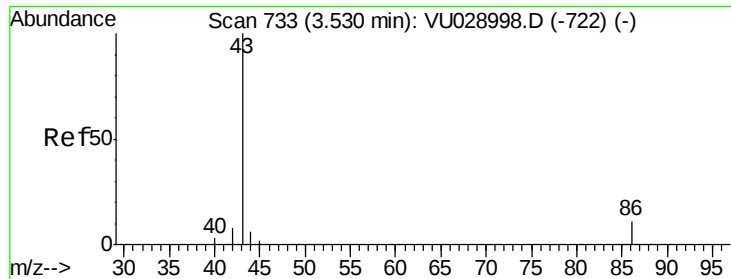
MMDadoda
1/7/2019 12:48:57 PM



#22
Diisopropyl ether
Concen: 20.381 ug/l
RT: 3.57 min Scan# 746
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	44.7	67.1
87	26.6	22.2	33.2
59	12.4	9.8	14.8





#23

Vinyl Acetate

Concen: 100.176 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 43 Resp: 369589

Ion Ratio Lower Upper

43 100

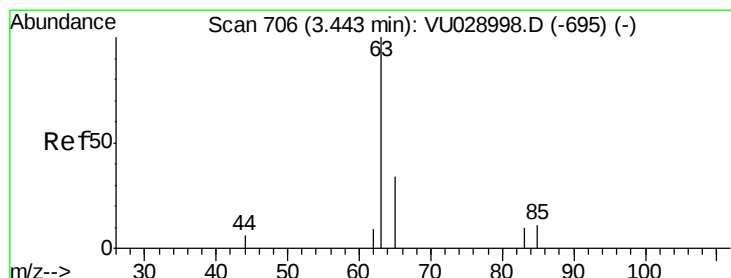
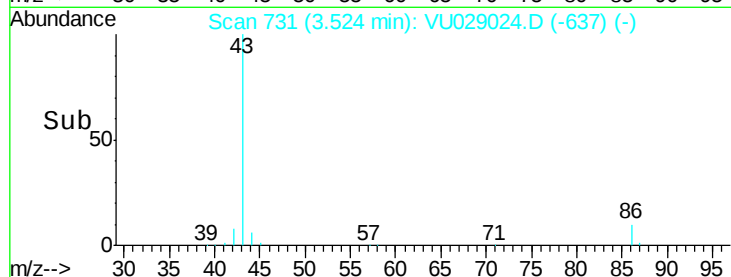
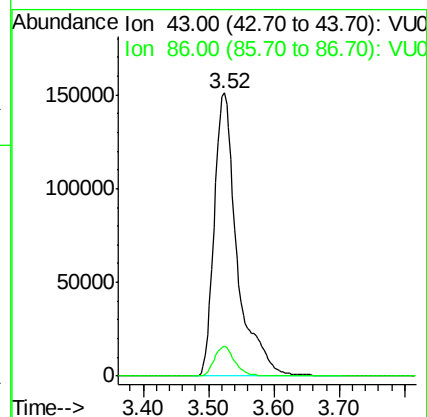
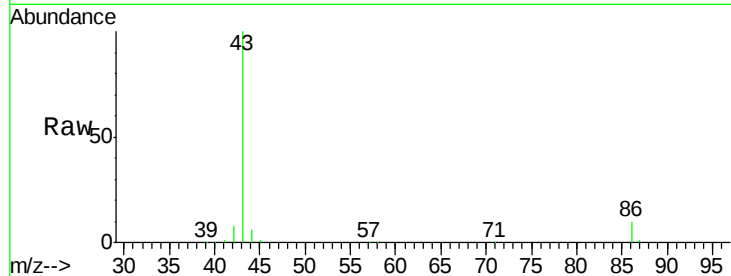
86 10.5 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

1/7/2019 12:48:57 PM



#24

1,1-Dichloroethane

Concen: 19.820 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

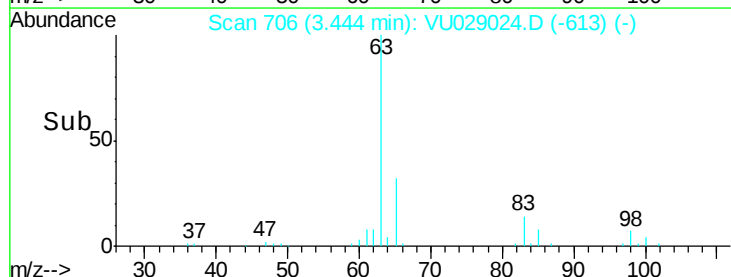
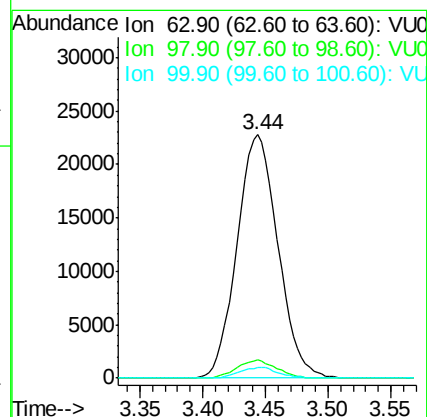
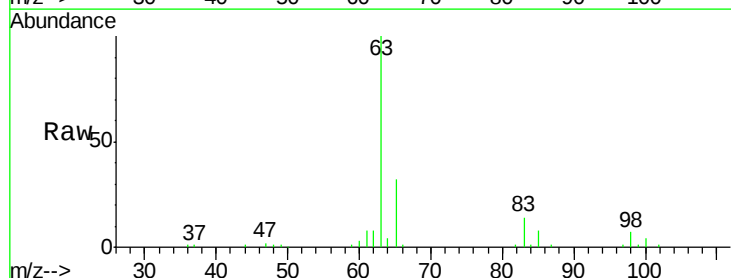
Tgt Ion: 63 Resp: 51635

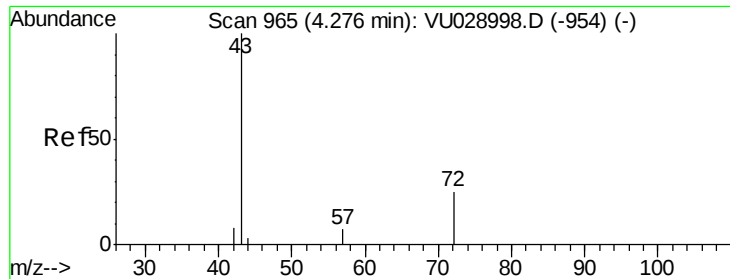
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 98.626 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 43 Resp: 124478

Ion Ratio Lower Upper

43 100

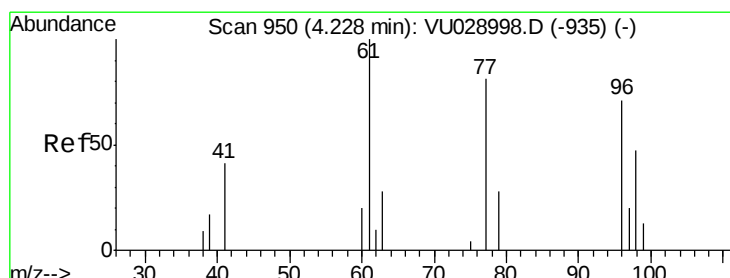
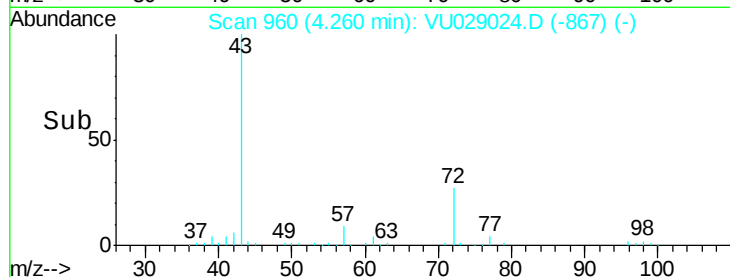
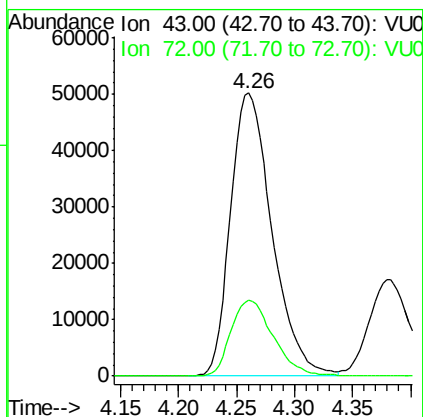
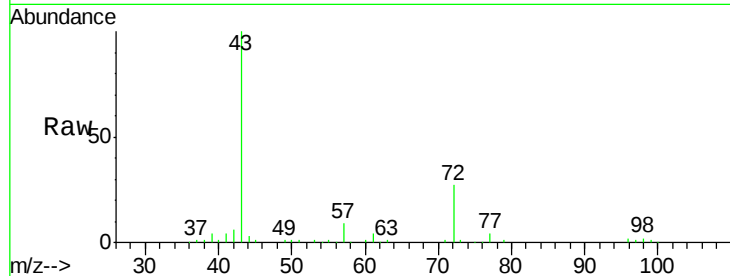
72 26.7 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.117 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029024.D

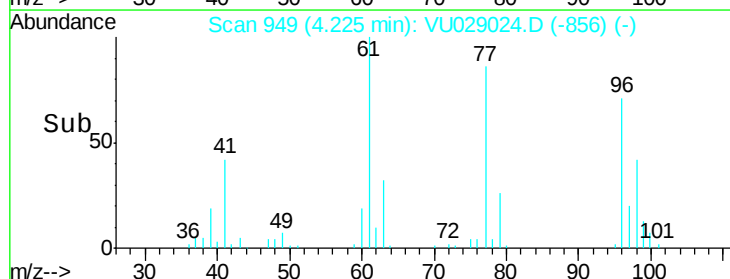
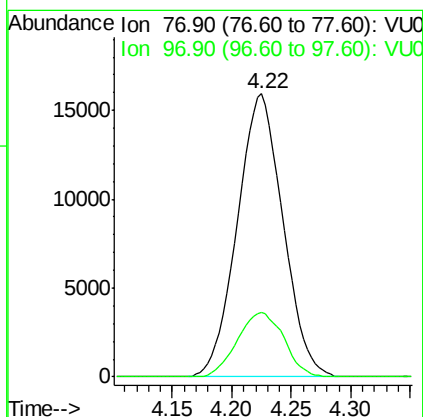
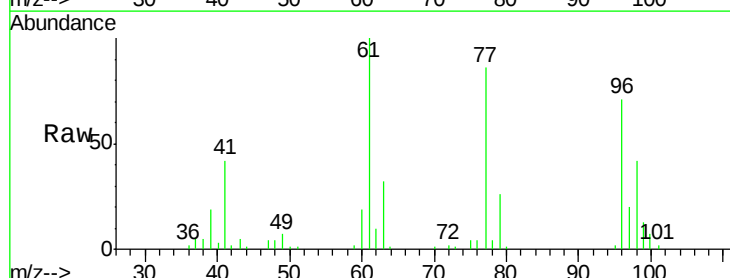
Acq: 04 Jan 2019 13:51

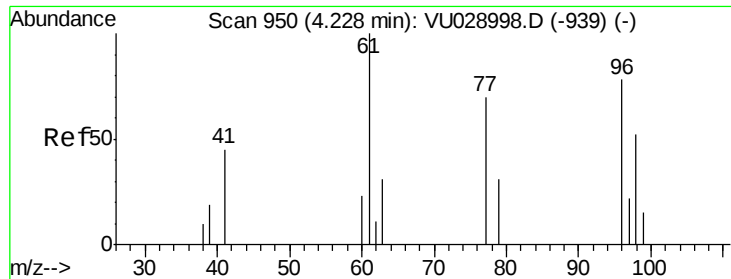
Tgt Ion: 77 Resp: 42347

Ion Ratio Lower Upper

77 100

97 23.2 12.0 36.1





#27

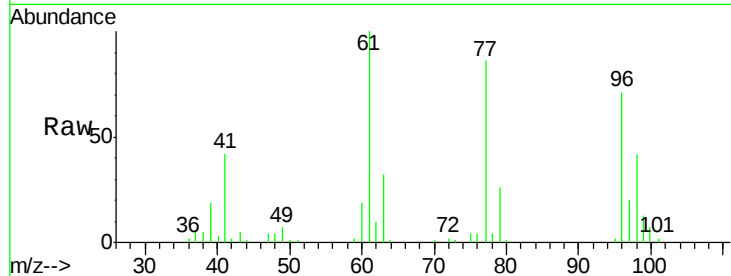
cis-1,2-Dichloroethene
Concen: 19.609 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	285.6
98	64.1	0.0	130.2

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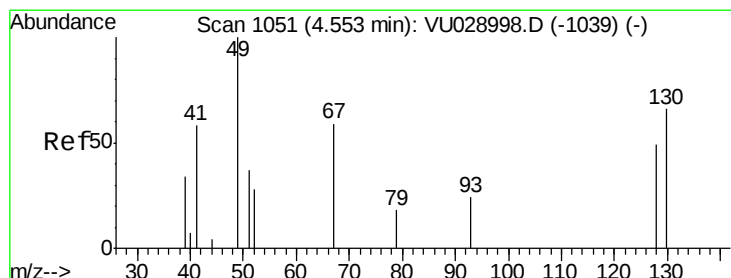
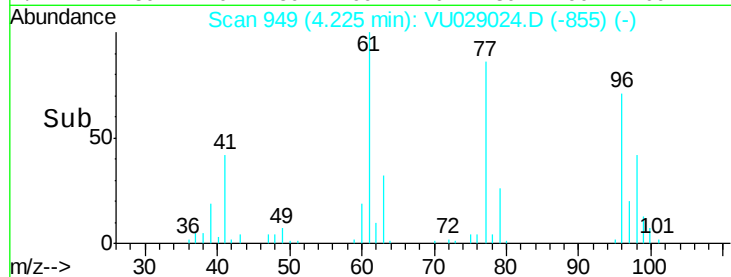
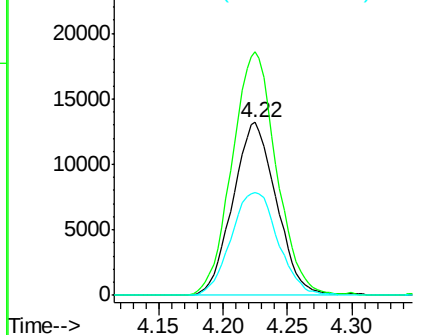


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

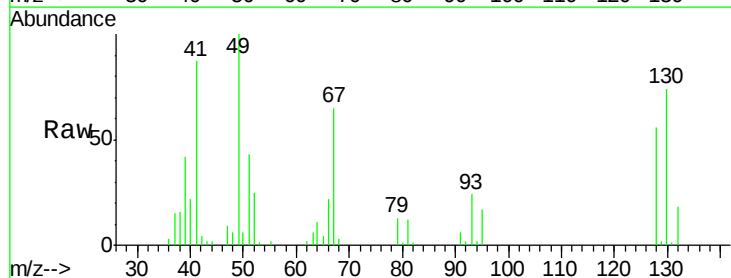
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 22.059 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	76.1	62.9	94.3

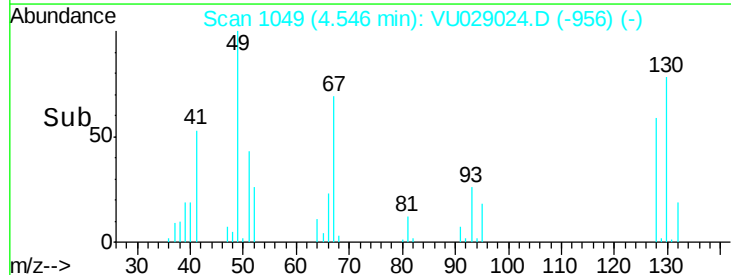
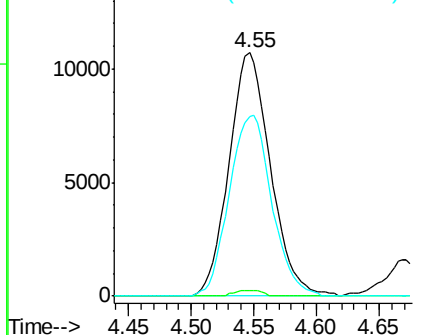


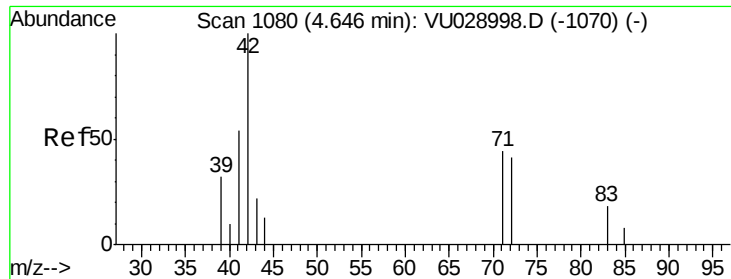
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





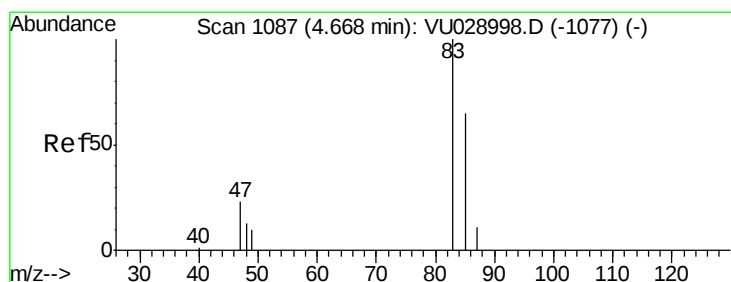
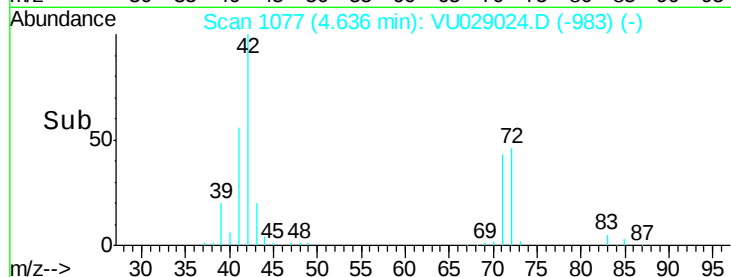
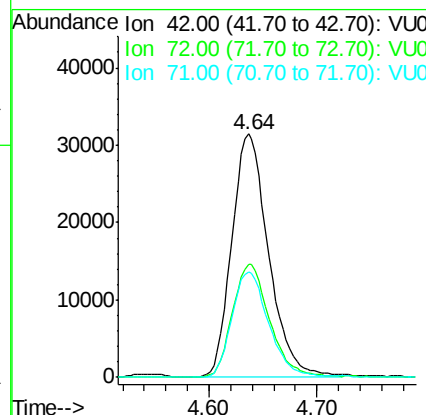
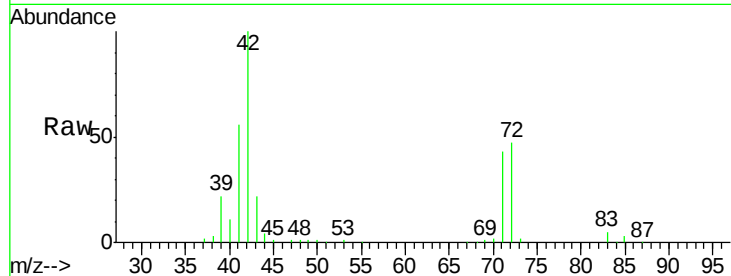
#29
Tetrahydrofuran
Concen: 98.029 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	38.3	57.5
71	43.1	36.1	54.1

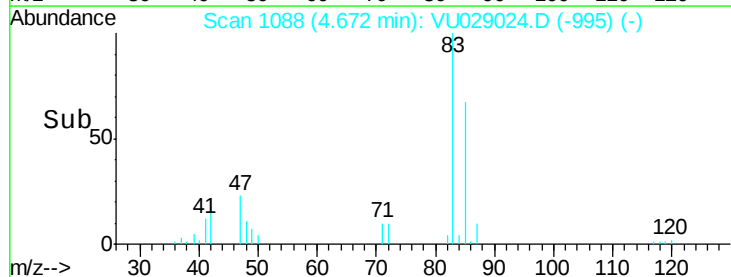
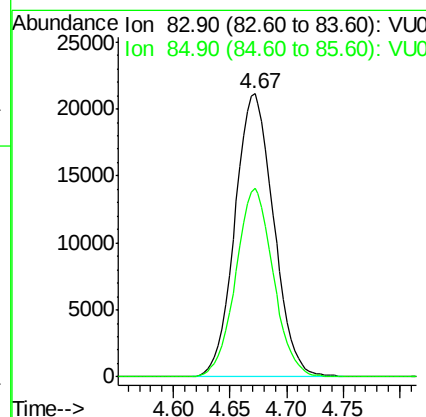
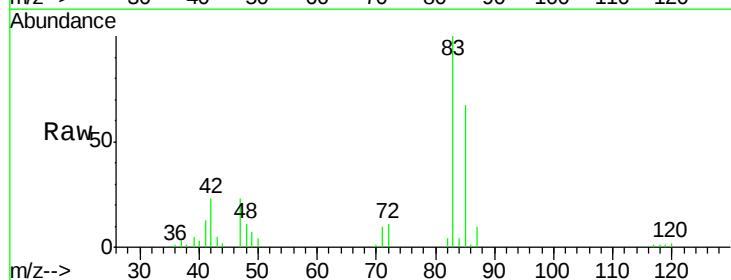
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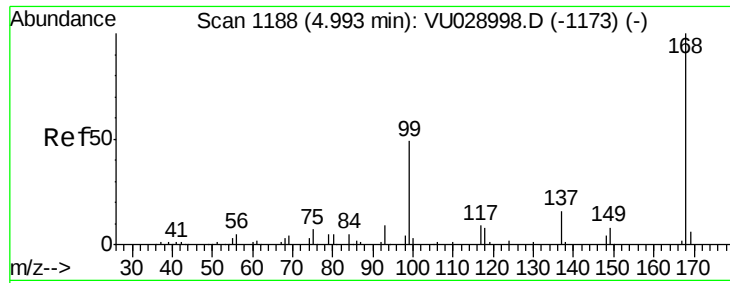
MMDadoda
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#30
Chloroform
Concen: 20.328 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.4	80.0





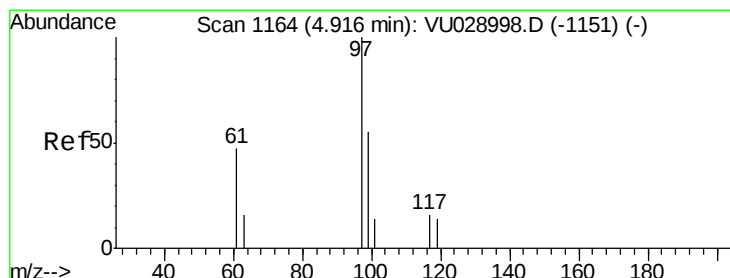
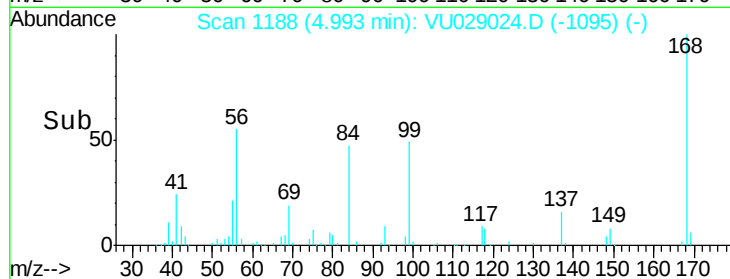
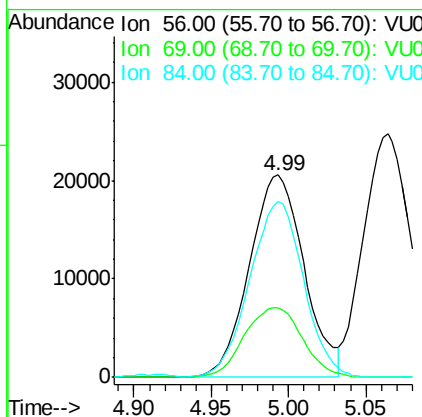
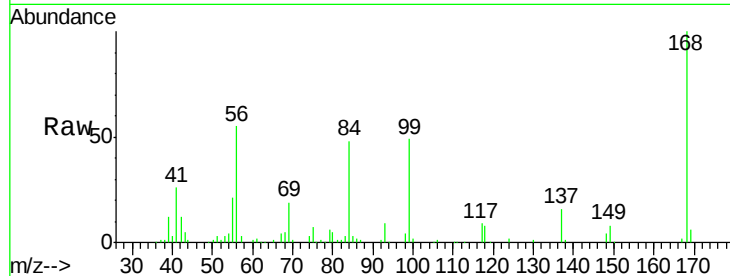
#31
Cyclohexane
Concen: 19.936 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	26.7	40.1
84	86.9	65.7	98.5

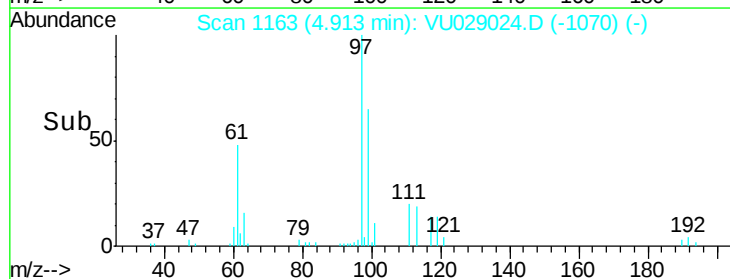
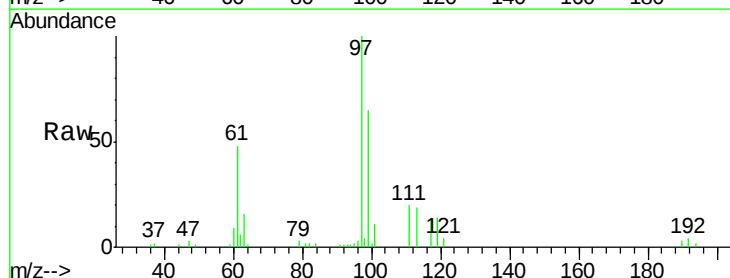
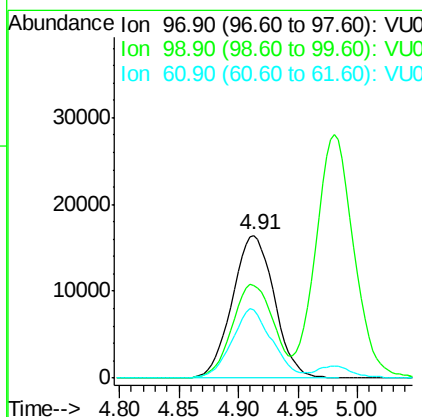
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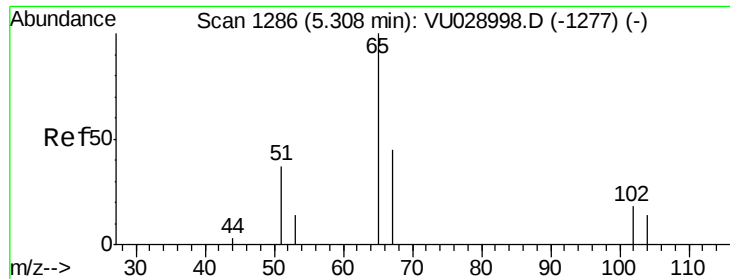
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.618 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.0	76.4
61	46.1	34.4	51.6





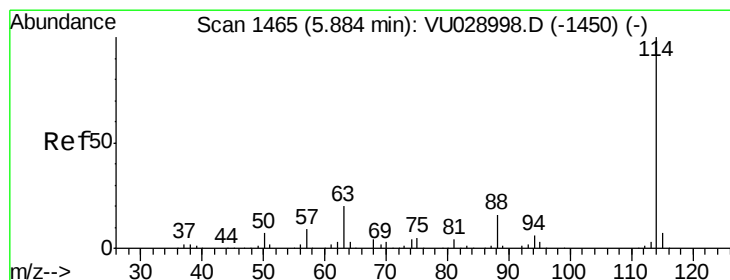
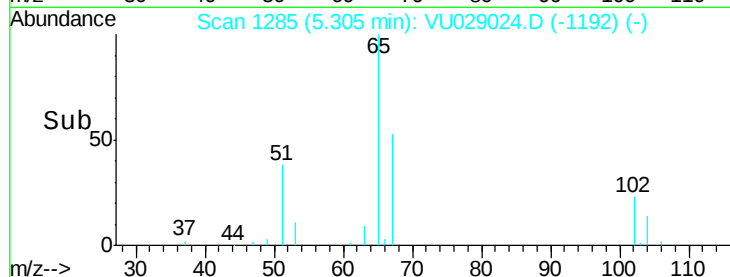
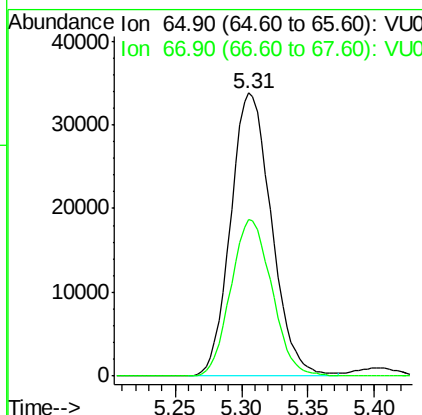
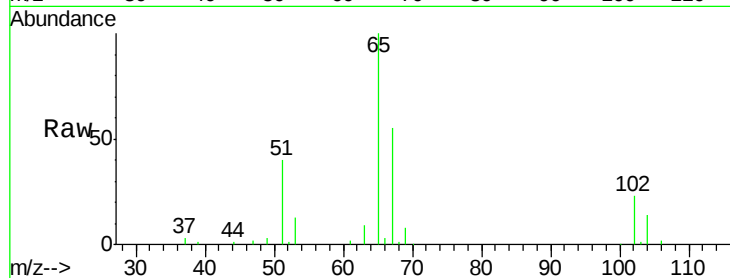
#33
 1,2-Dichloroethane-d4
 Concen: 48.692 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampled :
 VU0105WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.6	0.0	111.0

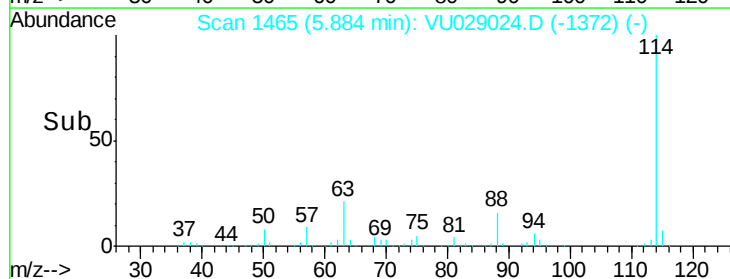
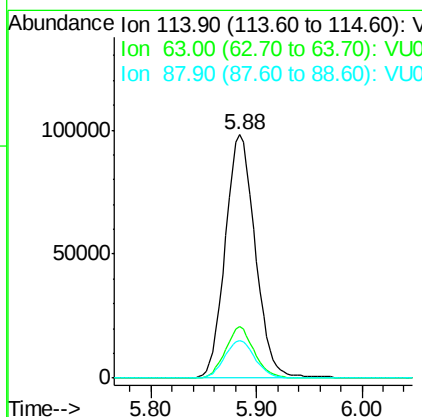
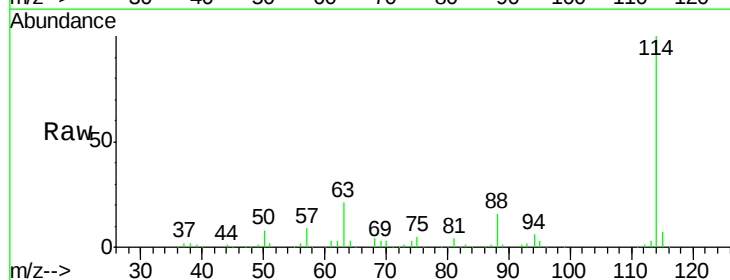
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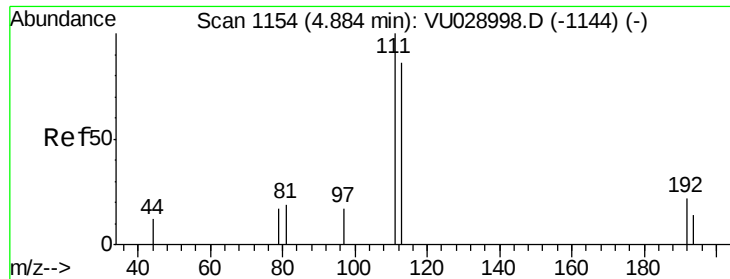
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.6	0.0	30.4





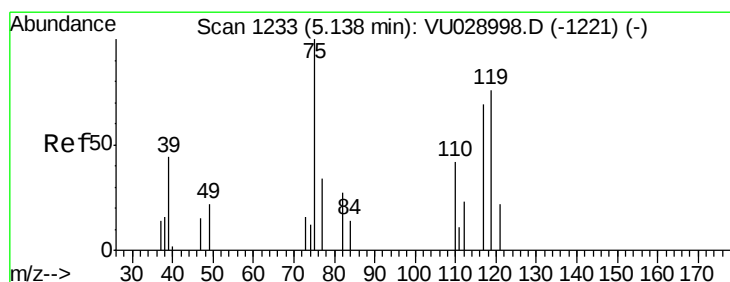
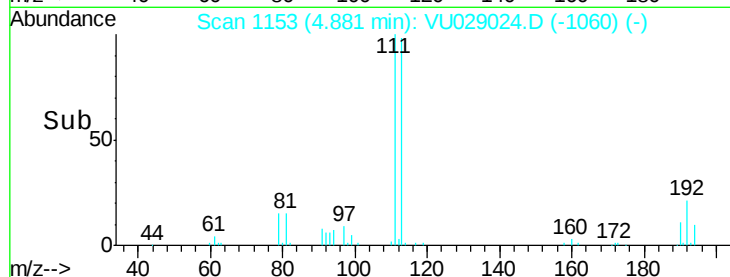
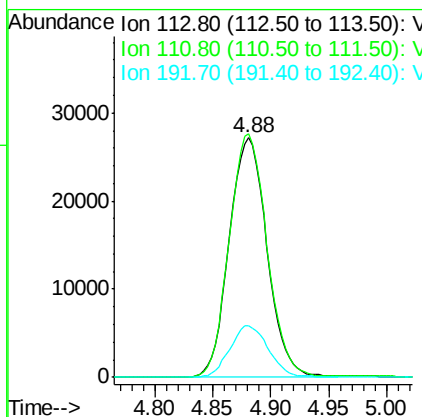
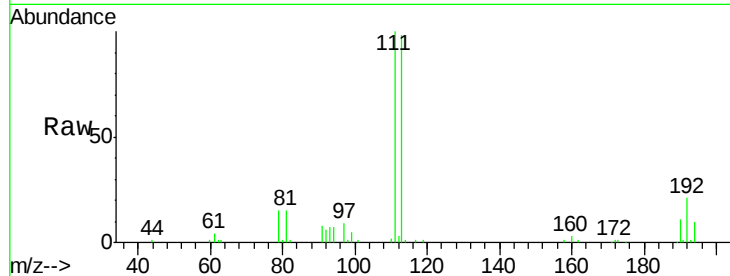
#35
 Dibromofluoromethane
 Concen: 49.114 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.4	122.2
192	21.8	16.8	25.2

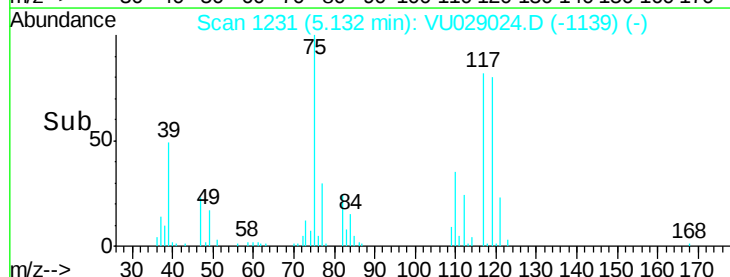
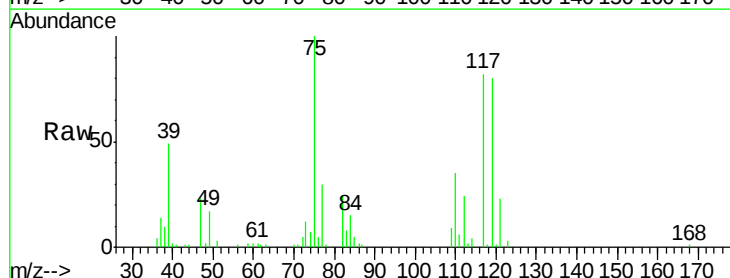
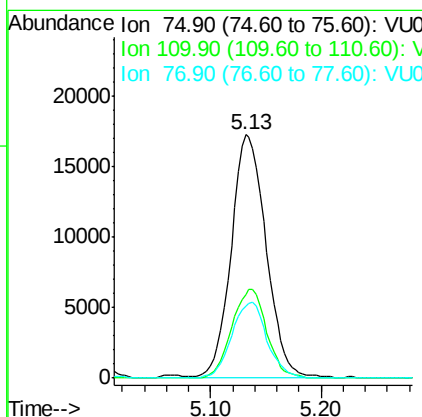
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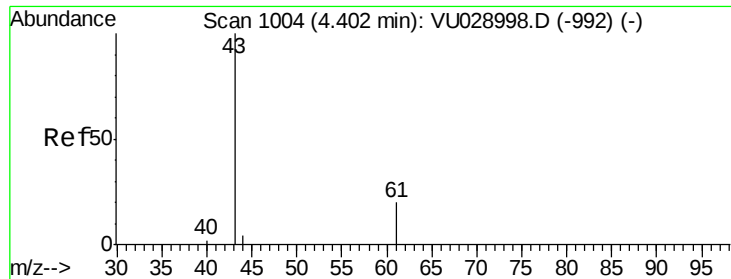
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#36
 1,1-Dichloropropene
 Concen: 19.638 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.4	55.4
77	31.3	25.1	37.7





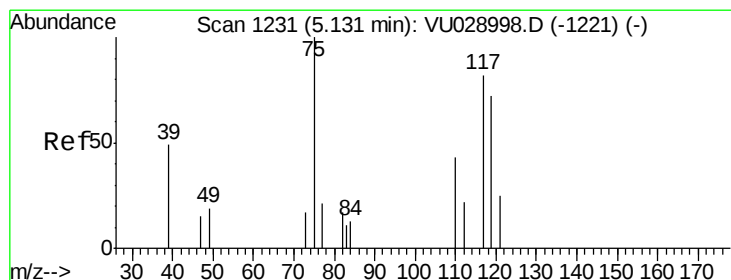
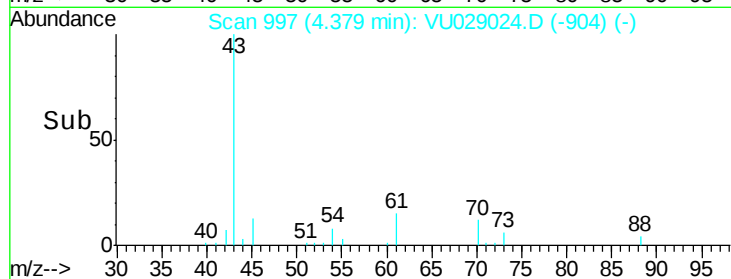
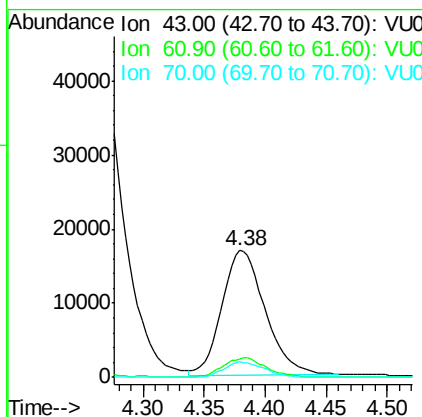
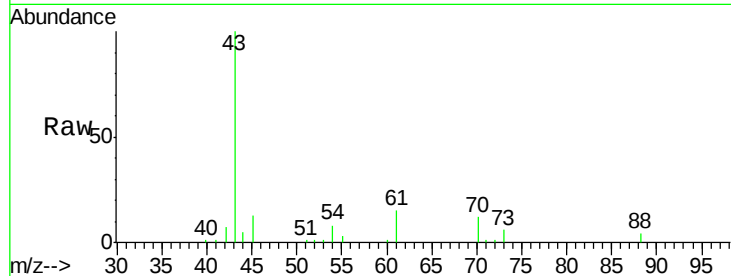
#37
Ethyl Acetate
Concen: 19.410 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	43	61	70
Resp	41193		
Ratio	100	16.0	11.6
Lower		12.6	9.3
Upper		18.8	13.9

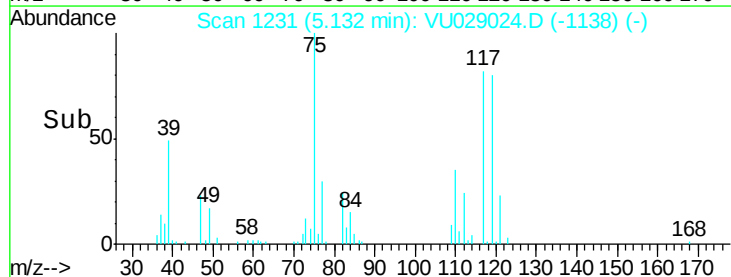
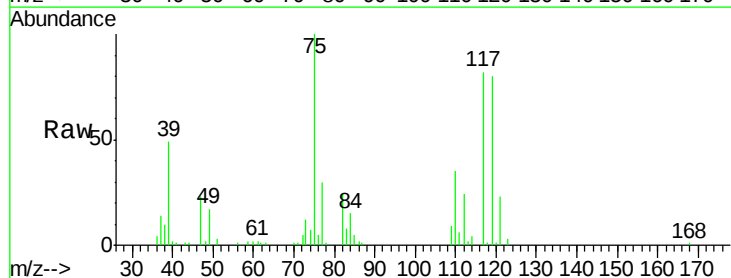
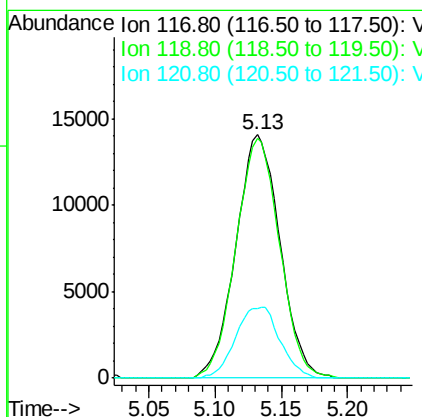
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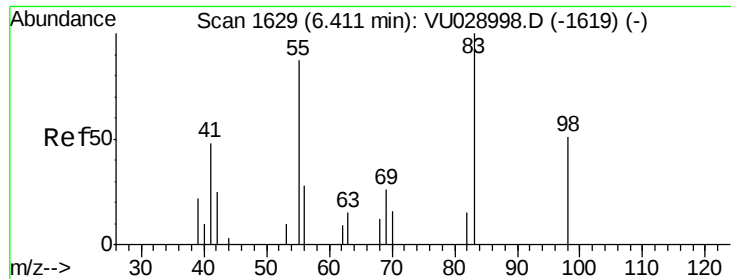
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#38
Carbon Tetrachloride
Concen: 20.231 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	117	119	121
Resp	32624		
Ratio	100	98.6	28.5
Lower		74.6	25.0
Upper		111.8	37.6





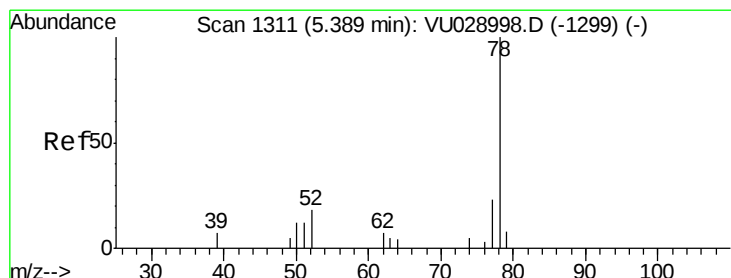
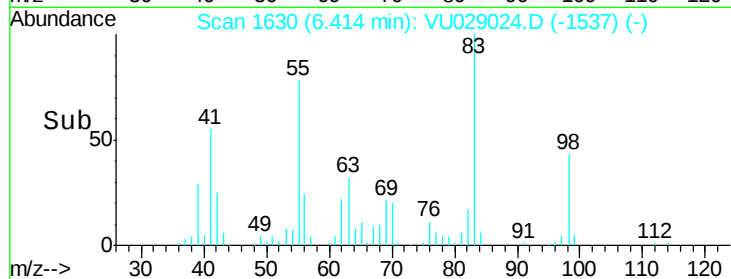
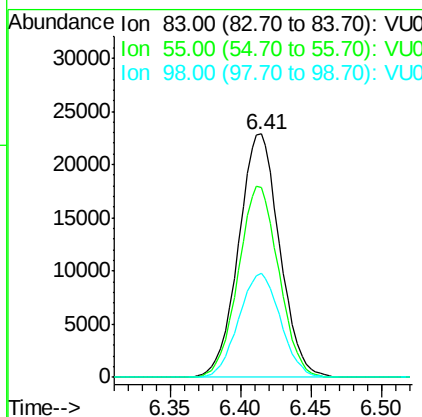
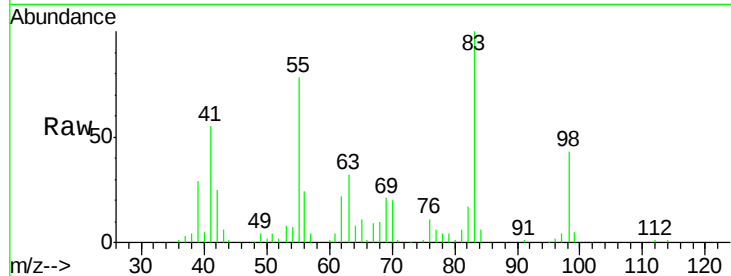
#39
Methvlcvclohexane
Concen: 19.605 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.4	93.6
98	42.8	36.2	54.2

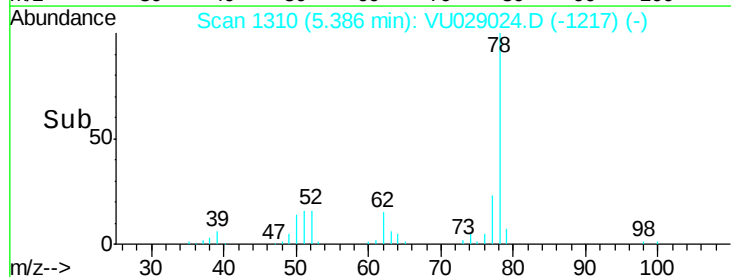
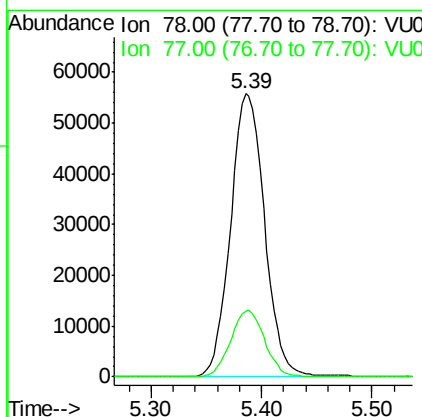
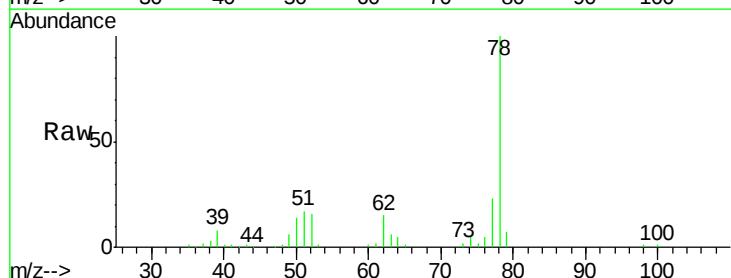
Manual Integrations
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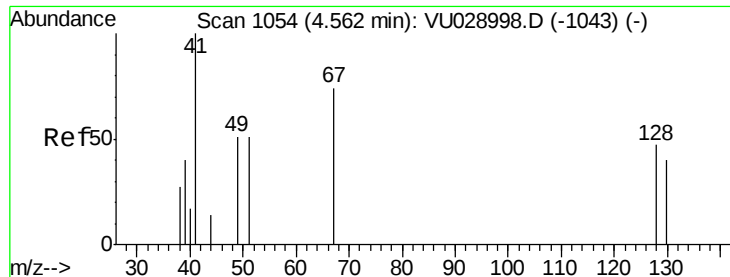
MMDadoda
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#40
Benzene
Concen: 19.790 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





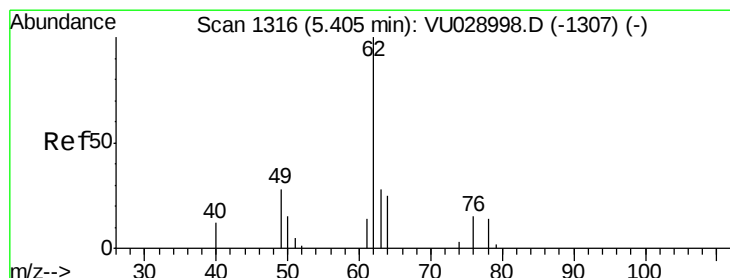
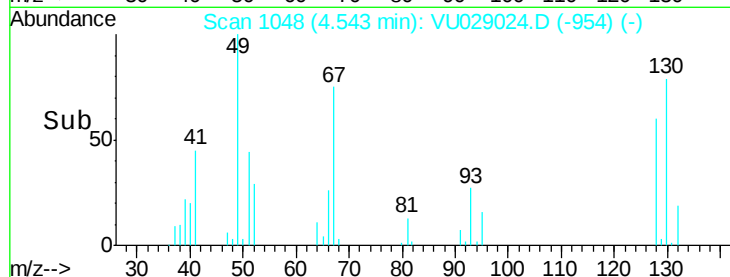
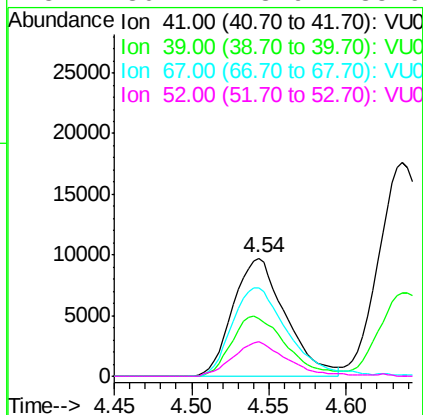
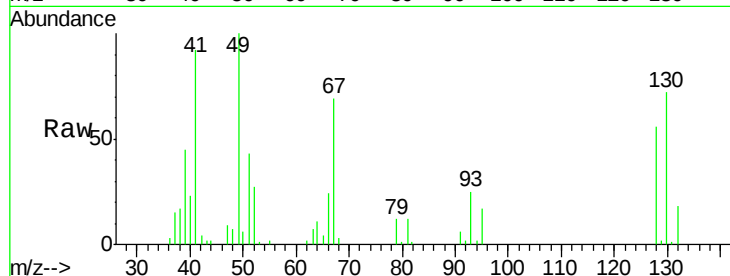
#41
Methacrylonitrile
Concen: 20.229 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	42.3	63.5	
67	79.9	64.4	96.6	
52	30.1	23.9	35.9	

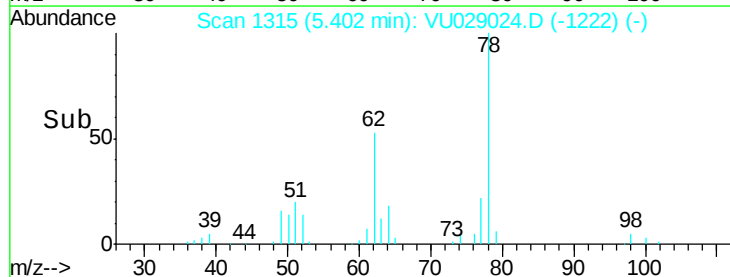
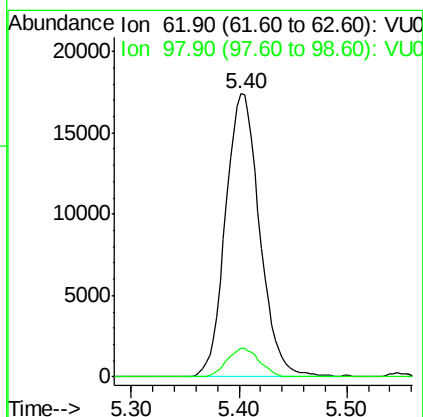
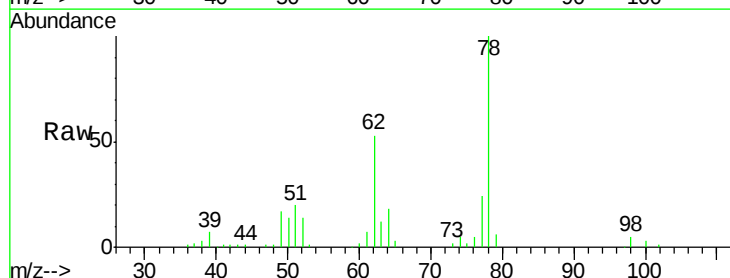
Manual Integrations
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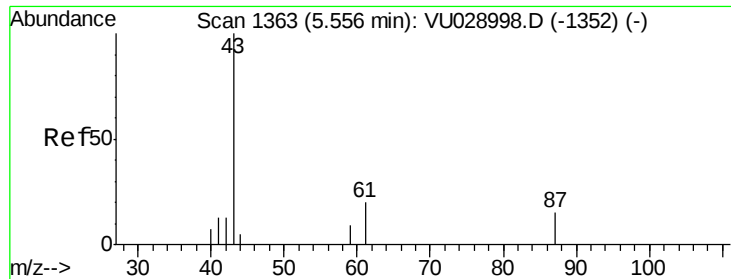
MMDadoda
1/7/2019 12:48:57 PM



#42
1,2-Dichloroethane
Concen: 21.196 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.6	





#43

Isopropyl Acetate

Concen: 20.541 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

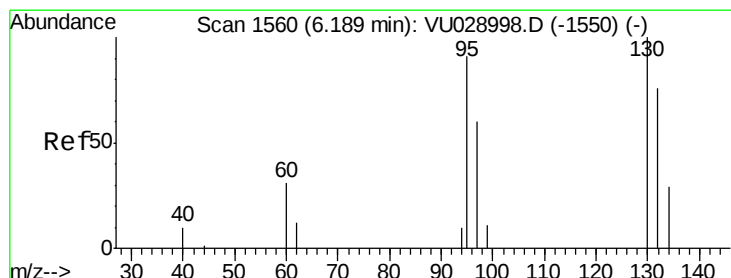
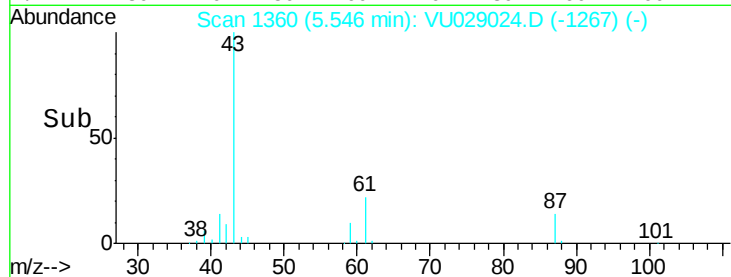
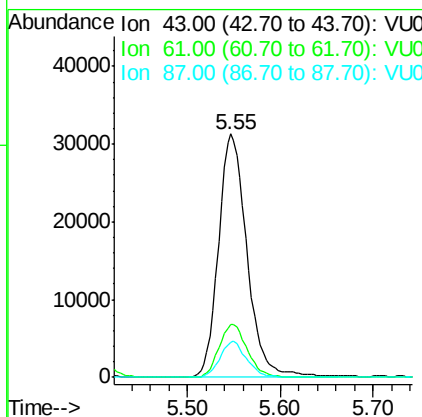
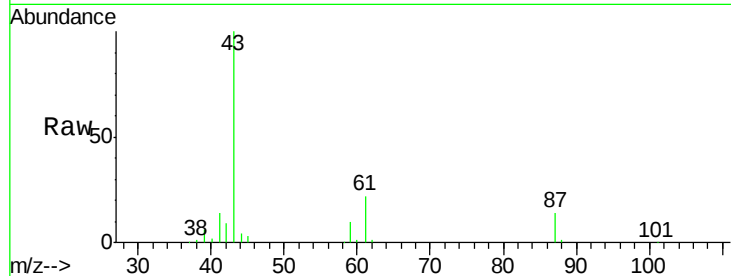
ClientSampleId :

VU0105WBS01

Tot Ion:	43	Resp:	66872
Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.8	26.6
87	13.7	11.3	16.9

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#44

Trichloroethene

Concen: 19.257 ug/l

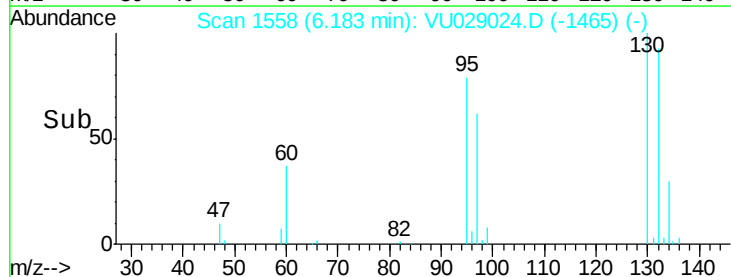
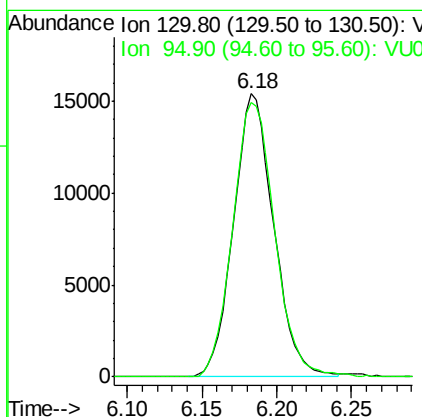
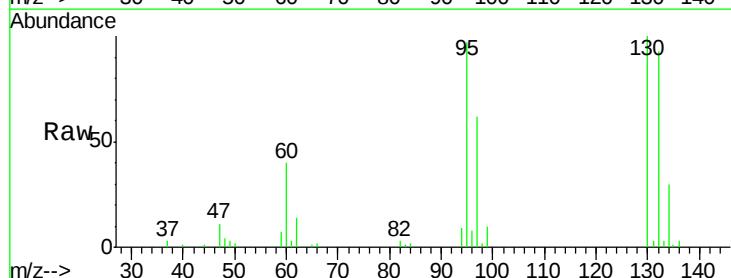
RT: 6.18 min Scan# 1558

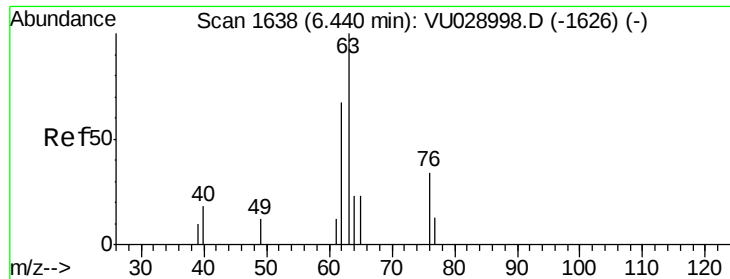
Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Tgt Ion:	130	Resp:	28776
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	205.0





#45

1,2-Dichloropropane

Concen: 20.221 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 63 Resp: 32205

Ion Ratio Lower Upper

63 100

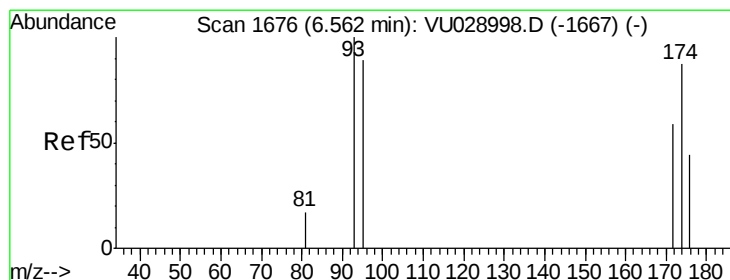
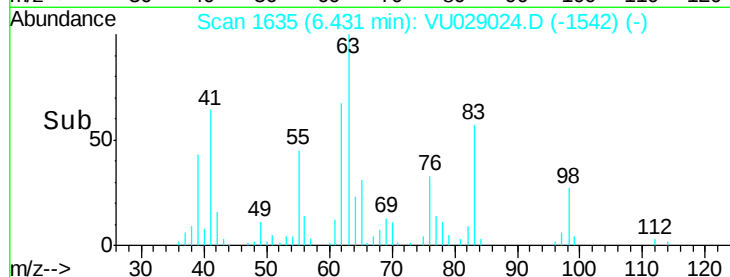
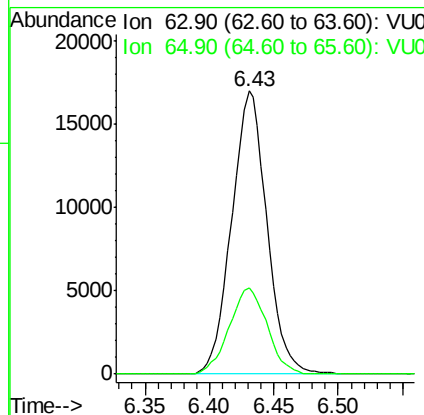
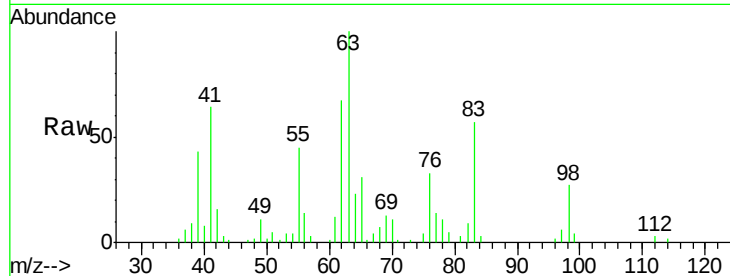
65 30.5 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.270 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

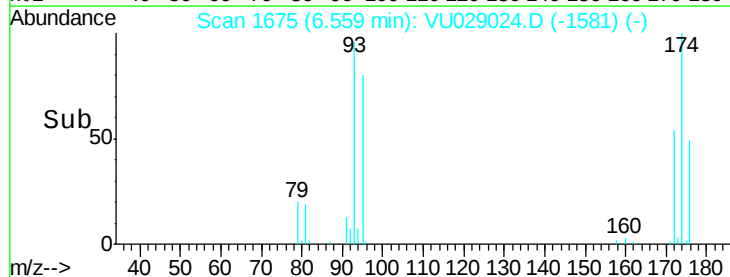
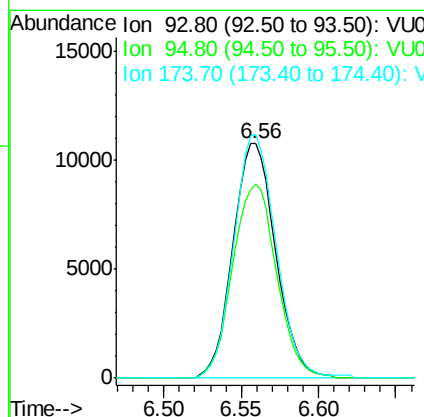
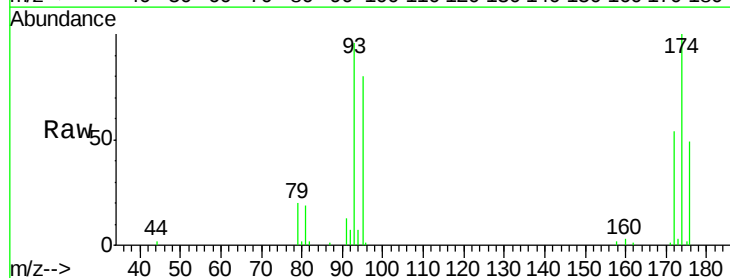
Tgt Ion: 93 Resp: 20637

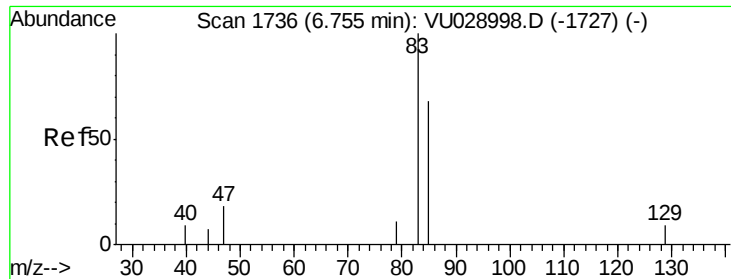
Ion Ratio Lower Upper

93 100

95 85.0 67.2 100.8

174 102.7 82.6 123.8





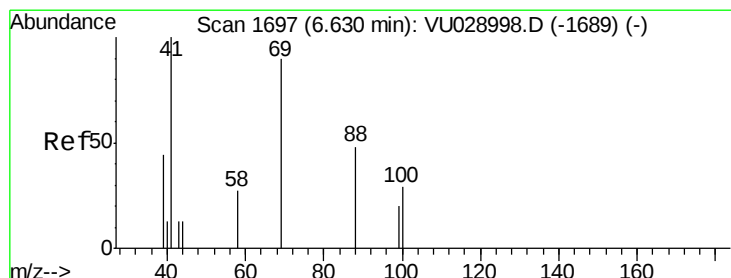
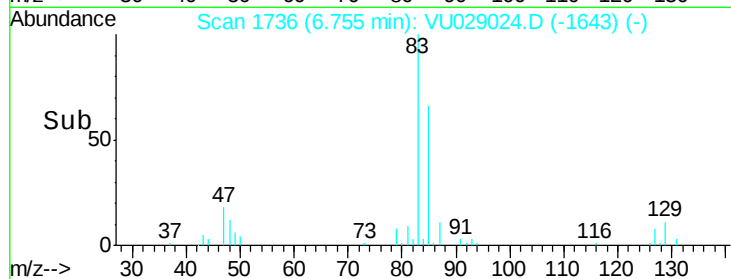
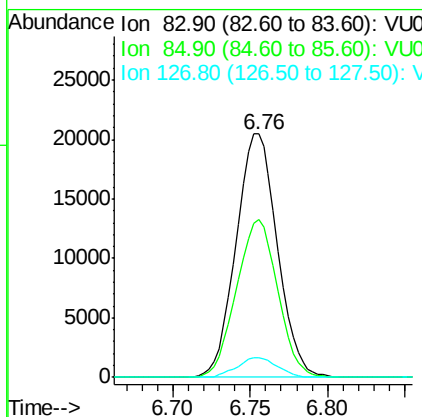
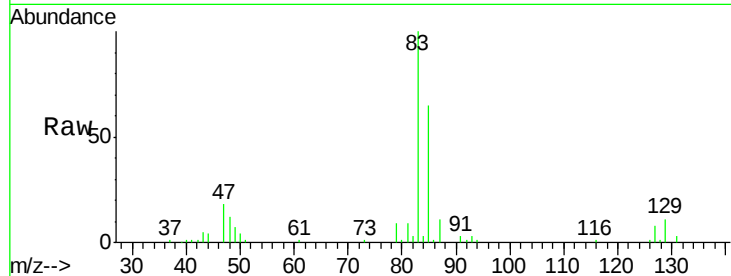
#47
Bromodichloromethane
Concen: 20.227 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	83	Resp	37917
Ion Ratio	100		
85	64.7	51.4	77.2
127	8.0	7.0	10.4

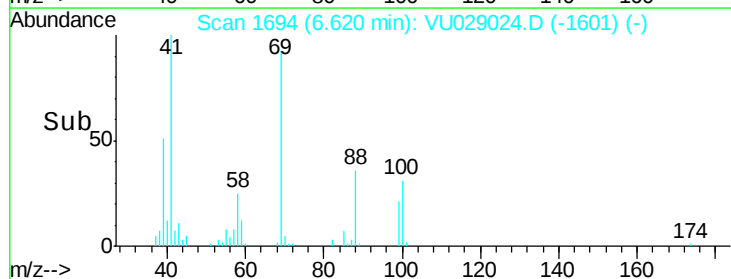
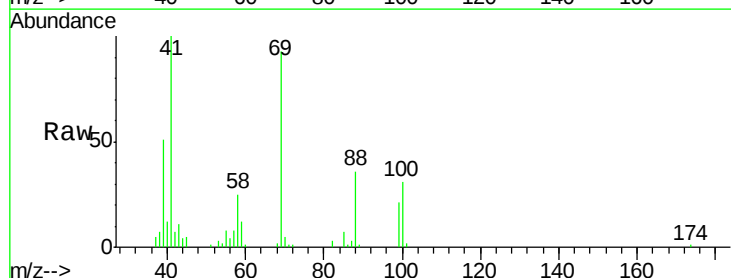
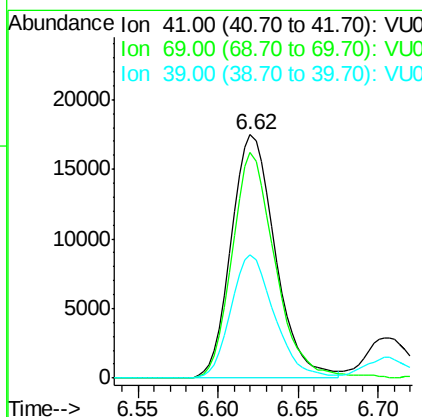
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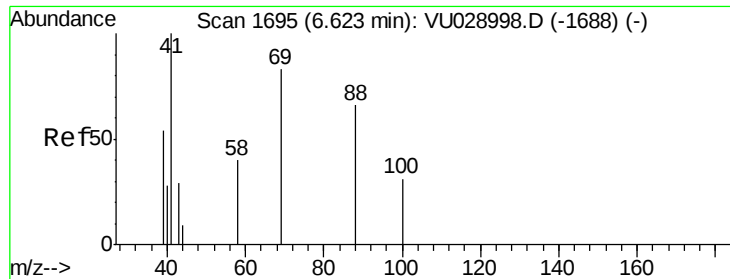
MMDadoda
1/7/2019 12:48:57 PM



#48
Methyl methacrylate
Concen: 20.717 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	41	Resp	32841
Ion Ratio	100		
69	90.6	73.6	110.4
39	49.9	39.6	59.4





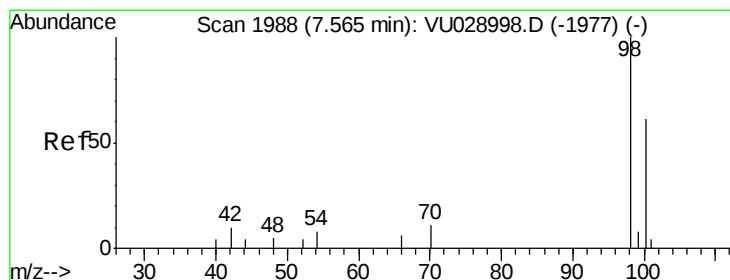
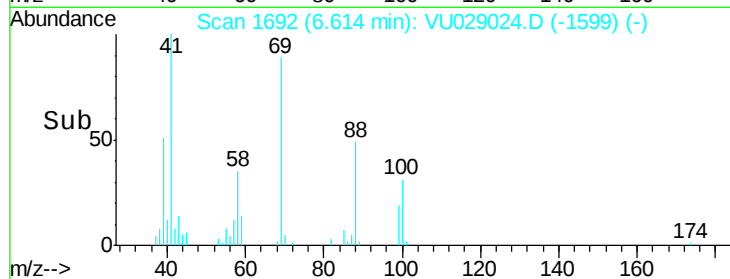
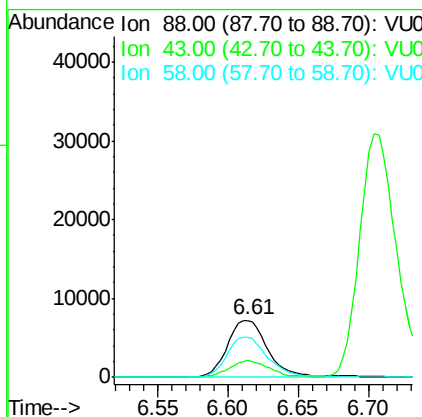
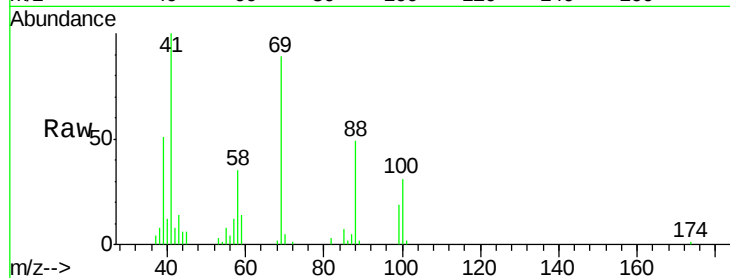
#49
1,4-Dioxane
Concen: 386.322 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.0	34.4
58	71.5	57.9	86.9

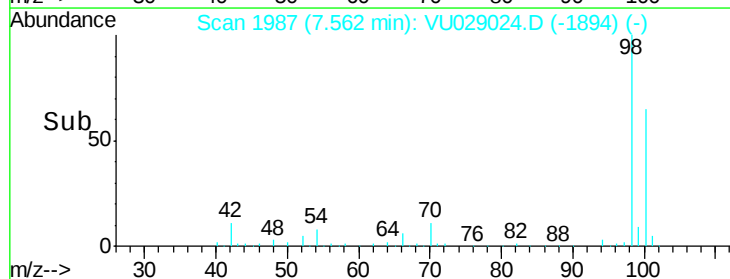
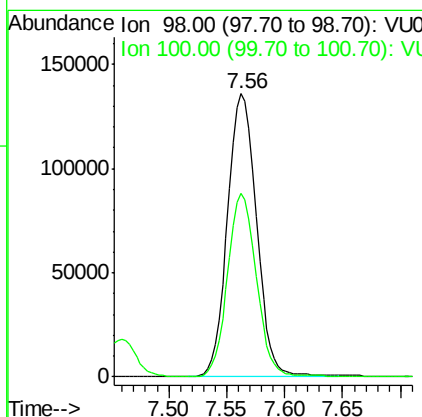
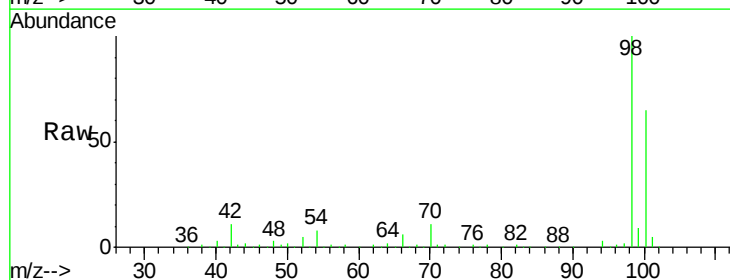
Manual Integrations
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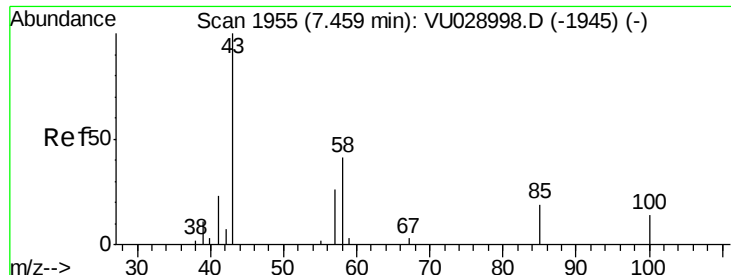
MMDadoda
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#50
Toluene-d8
Concen: 47.967 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4





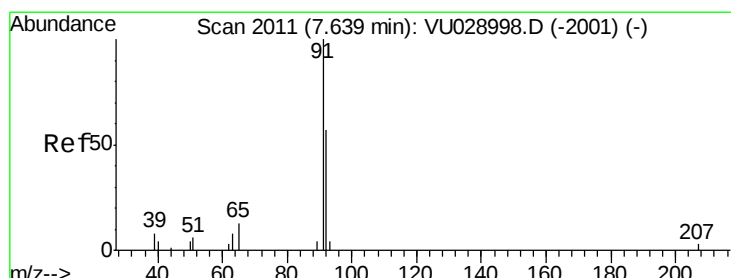
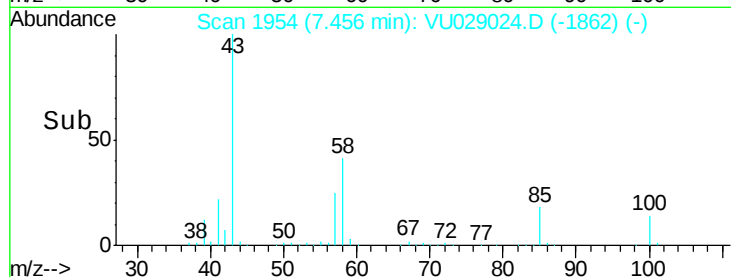
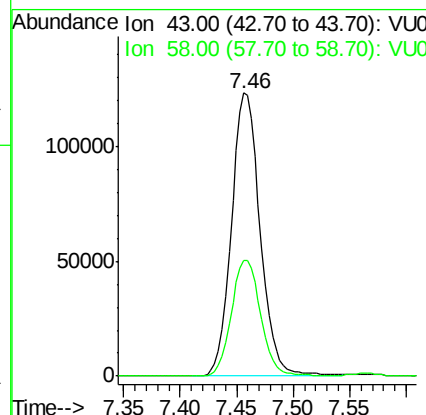
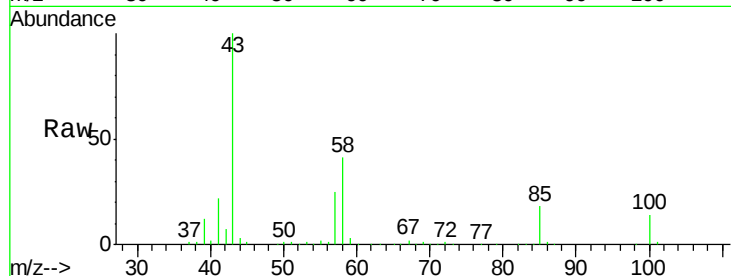
#51
4-Methyl-2-Pentanone
Concen: 98.236 ug/l
RT: 7.46 min Scan# 1954
Delta R.T. -0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	43	58	Resp	217651
Ion Ratio	100	41.8	Lower	Upper
			33.9	50.9

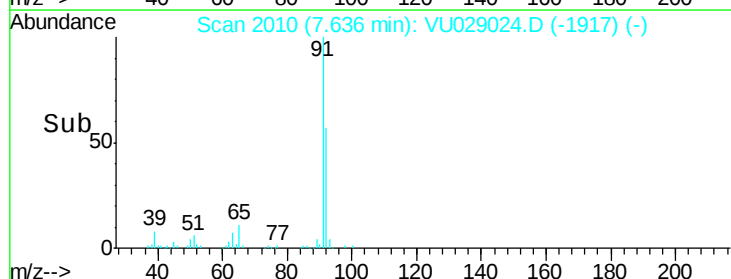
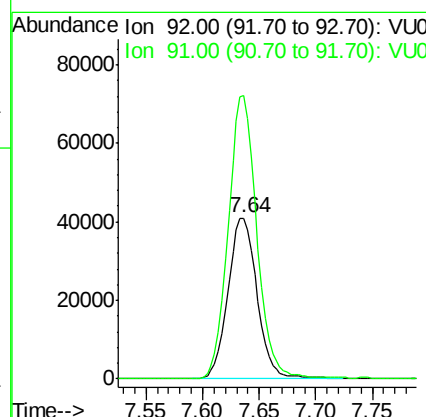
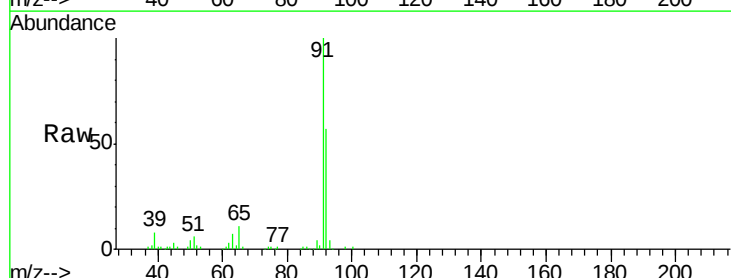
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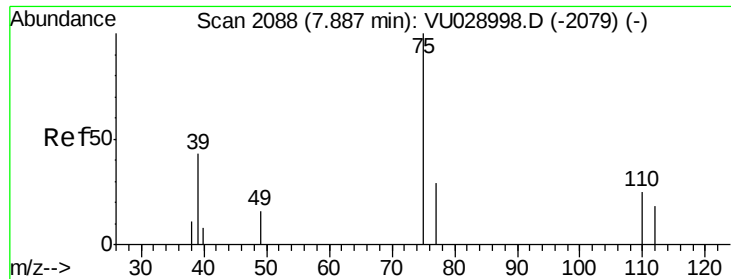
MMDadoda
1/7/2019 12:48:57 PM



#52
Toluene
Concen: 20.046 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	92	91	Resp	73600
Ion Ratio	100	172.3	Lower	Upper
			139.8	209.8





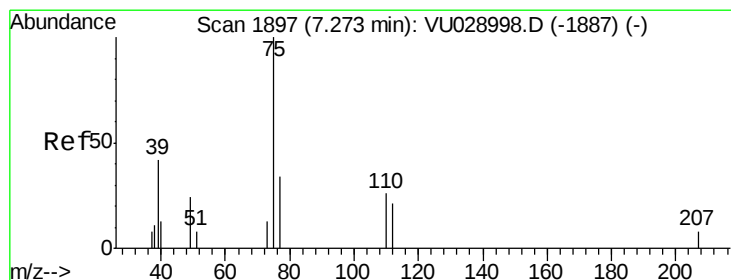
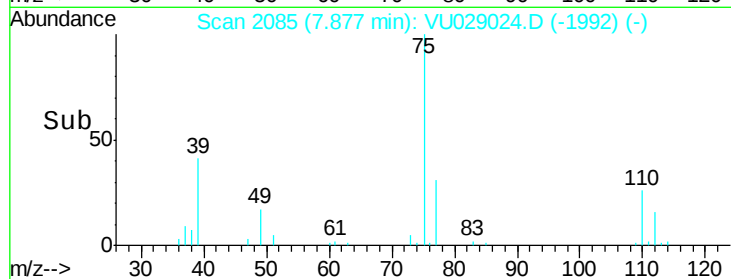
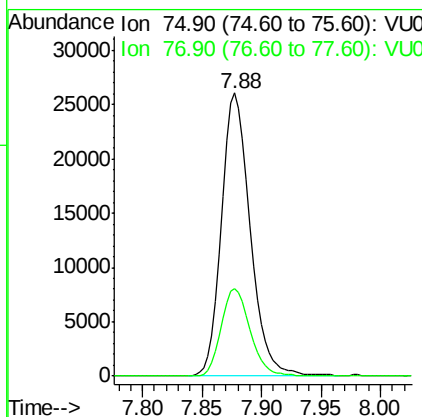
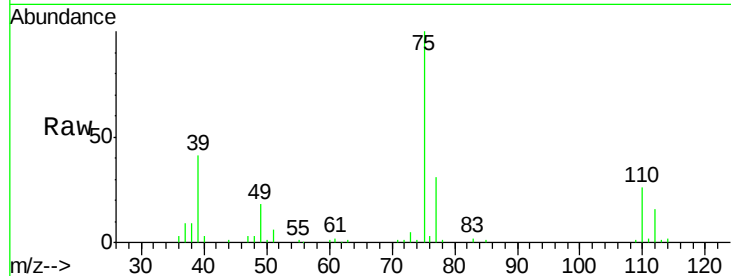
#53
t-1,3-Dichloropropene
Concen: 19.431 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion: 75 Resp: 43756
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4

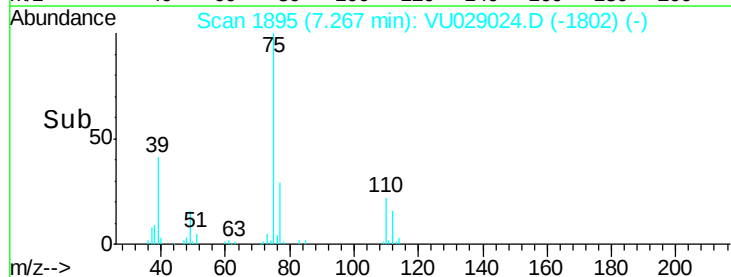
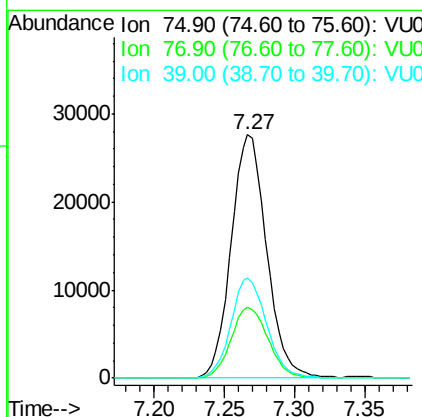
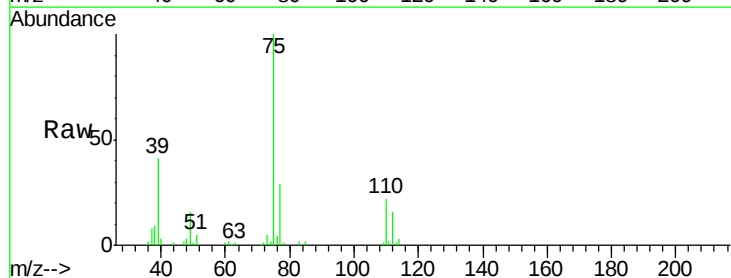
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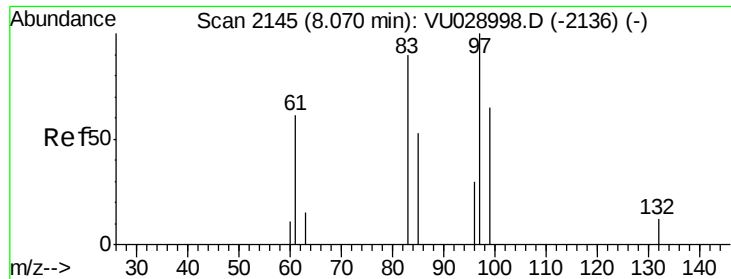
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.029 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 75 Resp: 48736
Ion Ratio Lower Upper
75 100
77 29.1 25.0 37.6
39 41.1 32.2 48.4





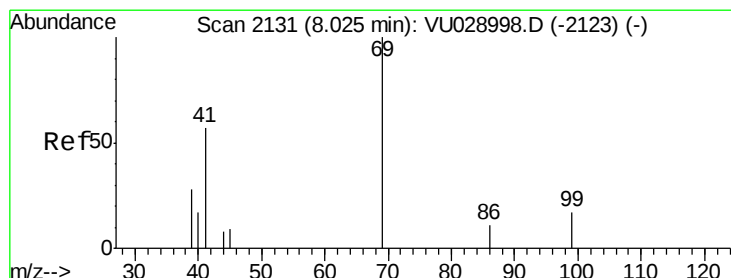
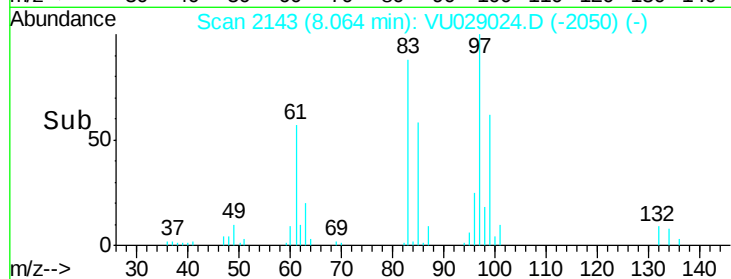
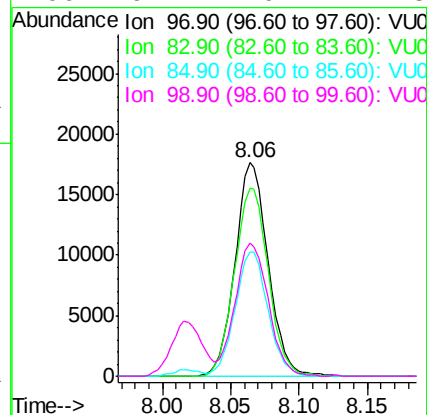
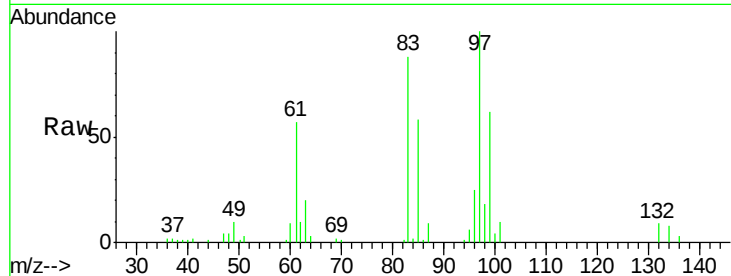
#55
 1,1,2-Trichloroethane
 Concen: 20.223 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion:	97	Resp:	29745
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.8
85	58.3	47.3	70.9
99	62.4	49.7	74.5

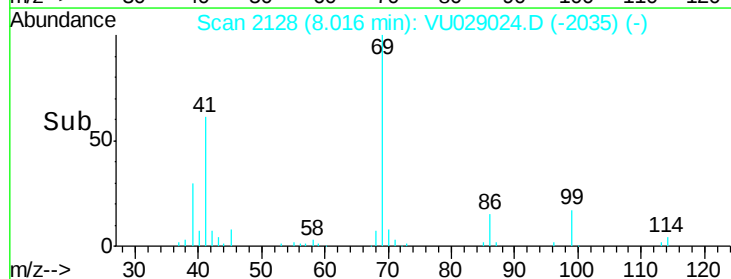
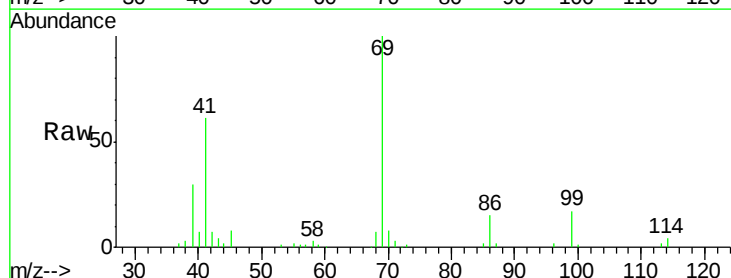
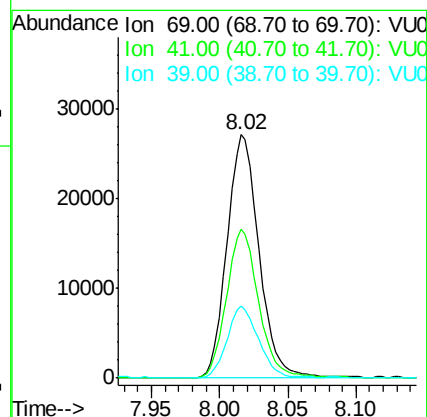
Manual Integrations
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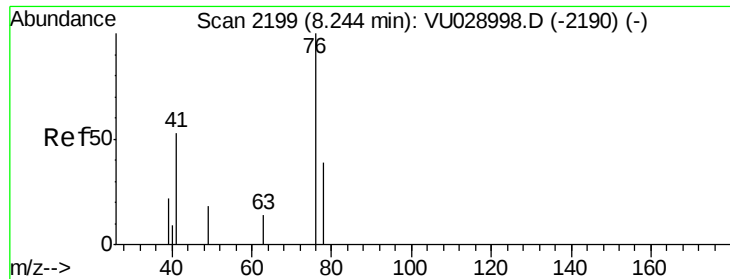
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 1/7/2019 12:48:57 PM



#56
 Ethyl methacrylate
 Concen: 19.518 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion:	69	Resp:	44229
Ion	Ratio	Lower	Upper
69	100		
41	61.8	47.5	71.3
39	29.2	22.5	33.7





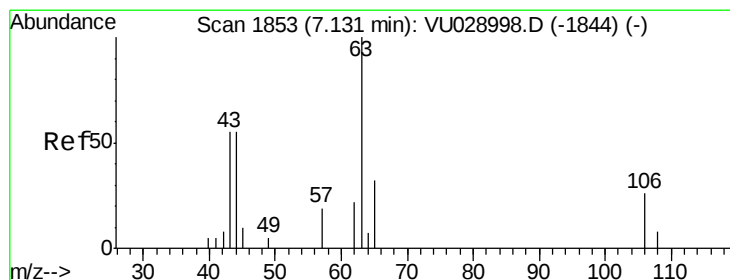
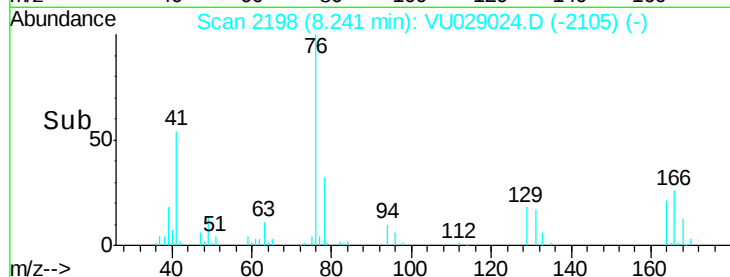
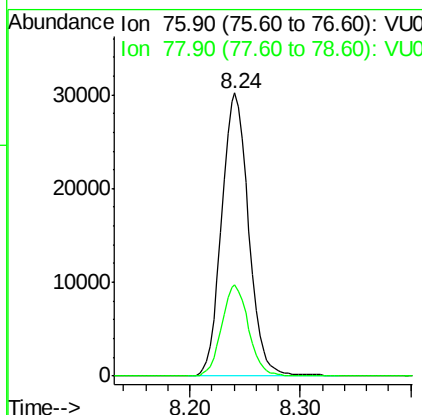
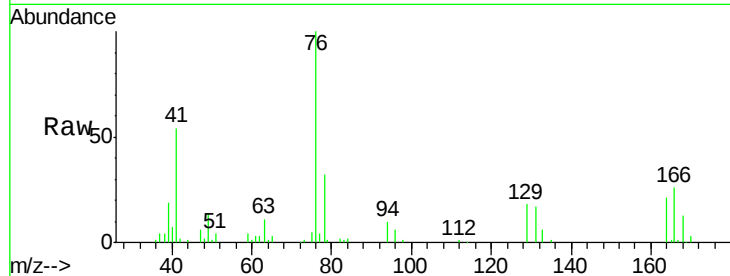
#57
 1,3-Dichloropropane
 Concen: 20.363 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion: 76 Resp: 51250
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

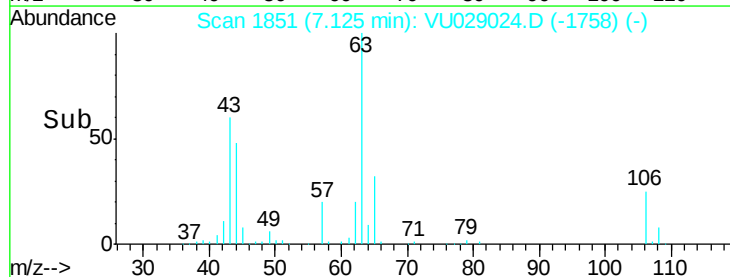
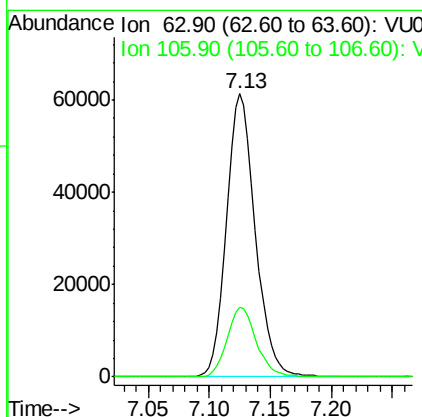
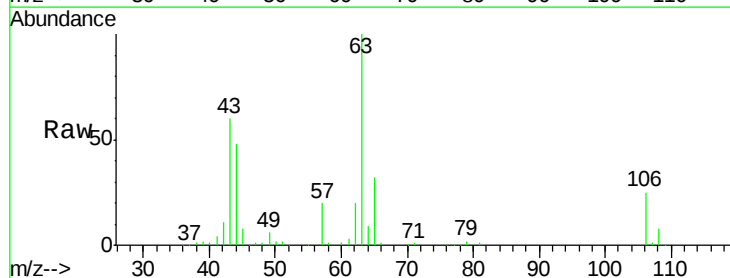
Manual Integrations
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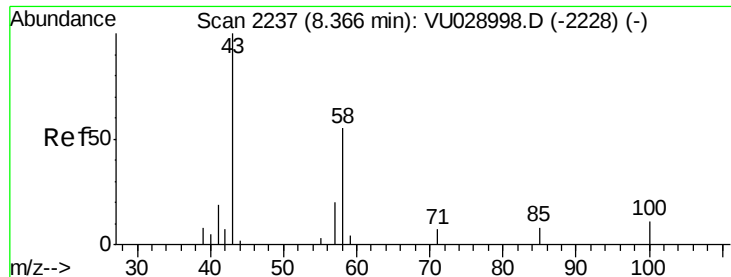
MMDadoda
 1/7/2019 12:48:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.749 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 63 Resp: 101398
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.6 31.0





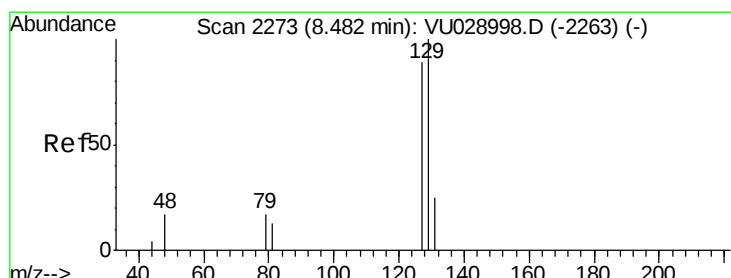
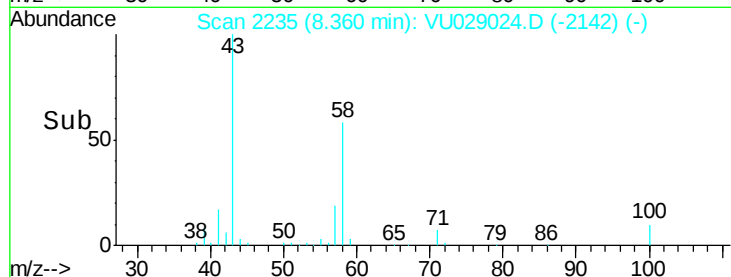
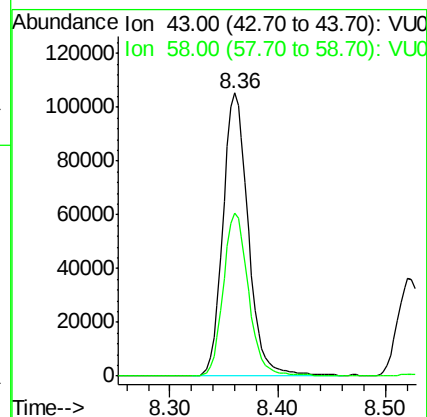
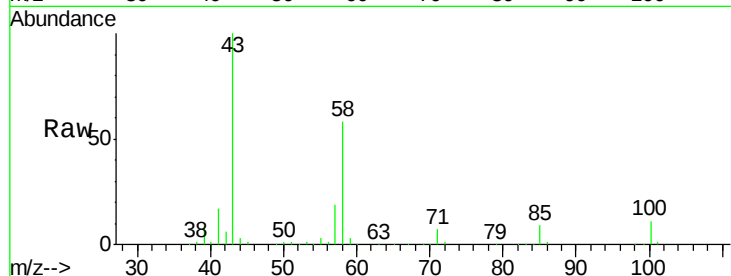
#59
2-Hexanone
Concen: 99.090 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion: 43 Resp: 172334
Ion Ratio Lower Upper
43 100
58 57.4 29.8 89.4

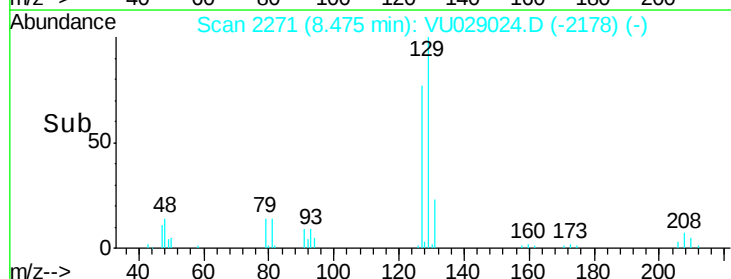
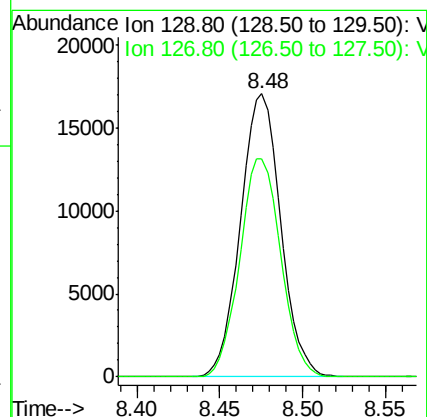
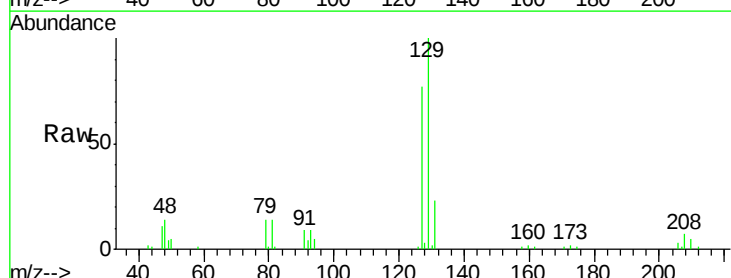
Manual Integrations
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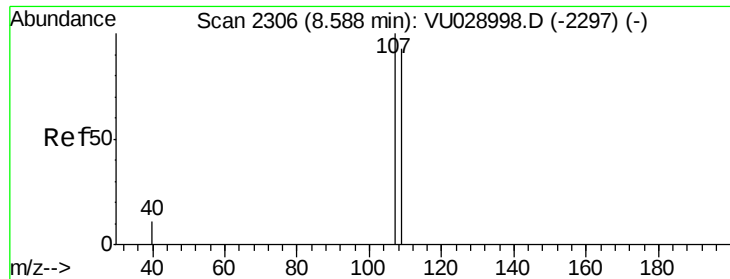
MMDadoda
1/7/2019 12:48:57 PM



#60
Dibromochloromethane
Concen: 19.774 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 129 Resp: 28815
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 19.836 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion:107 Resp: 31643

Ion Ratio Lower Upper

107 100

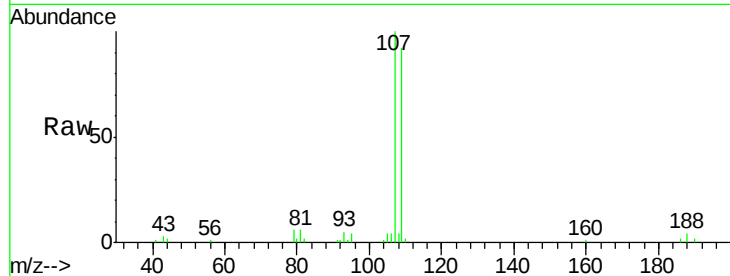
109 94.3 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

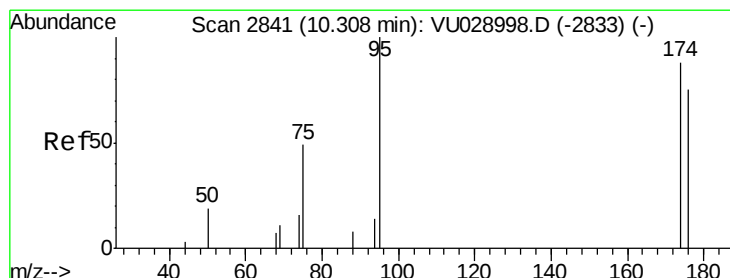
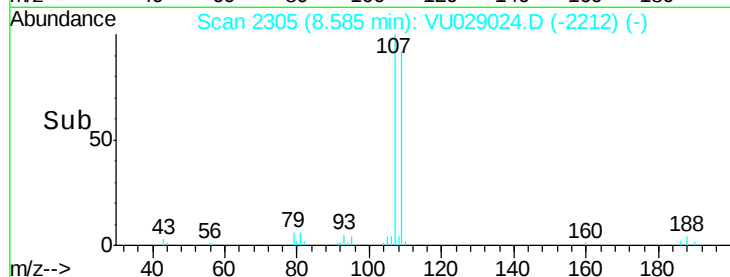
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 46.415 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

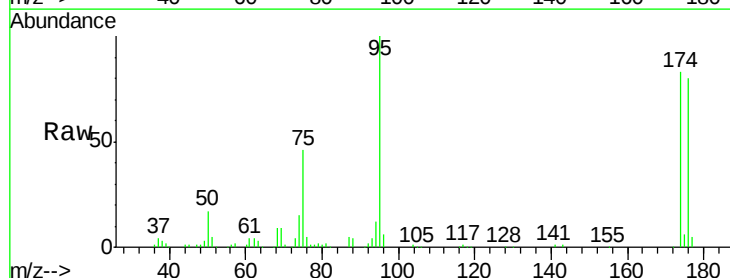
Tgt Ion: 95 Resp: 82572

Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.6

176 80.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

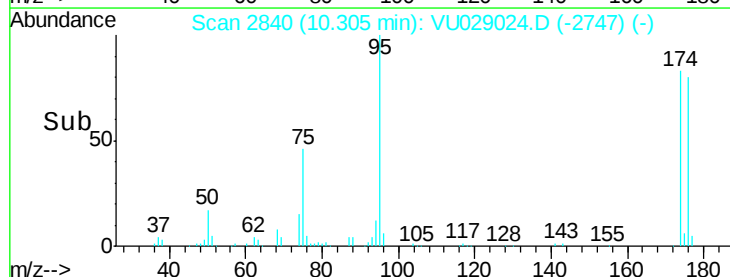
60000

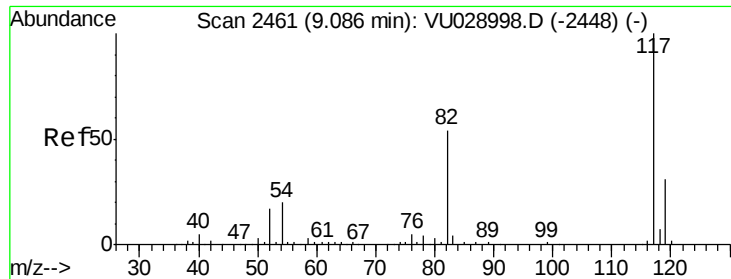
40000

20000

0

Time--> 10.30 10.40





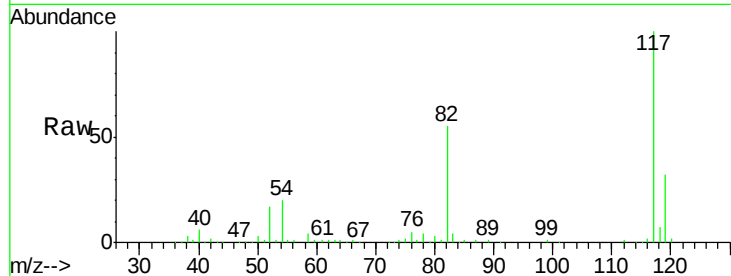
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	182450		
82	55.1	43.9	65.9	
119	32.0	26.0	39.0	

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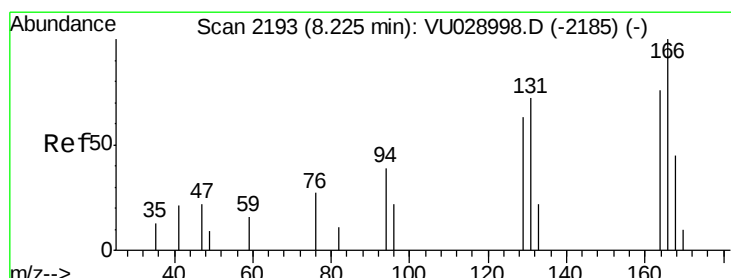
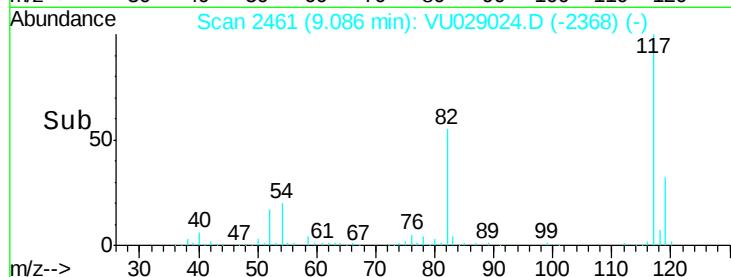
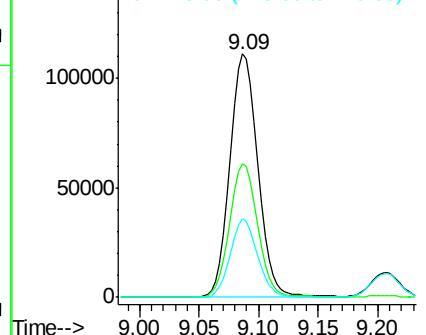


Abundance

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: 19.840 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26076		
166	130.1	99.4	149.0	
129	96.6	70.5	105.7	
131	88.5	69.0	103.6	

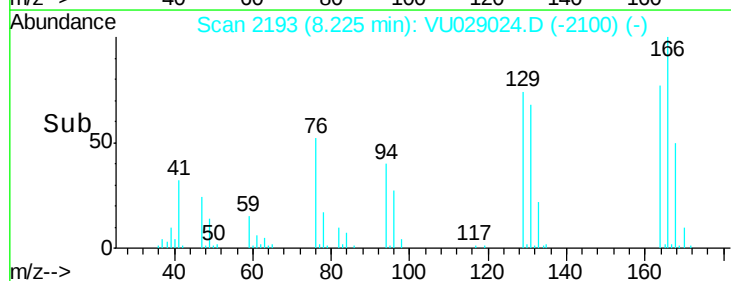
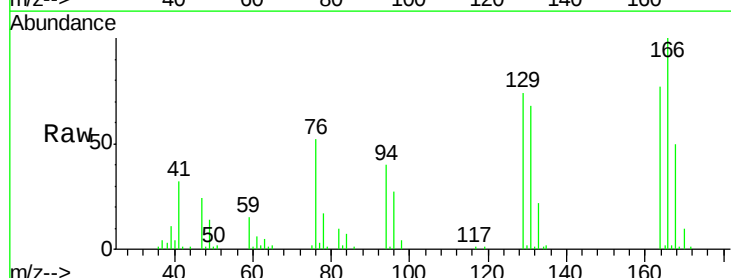
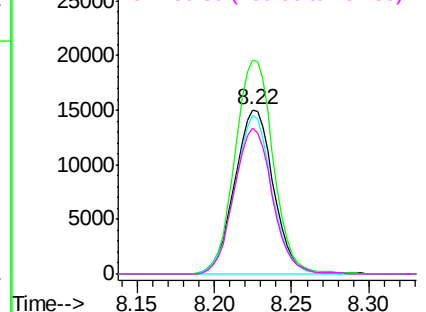
Abundance

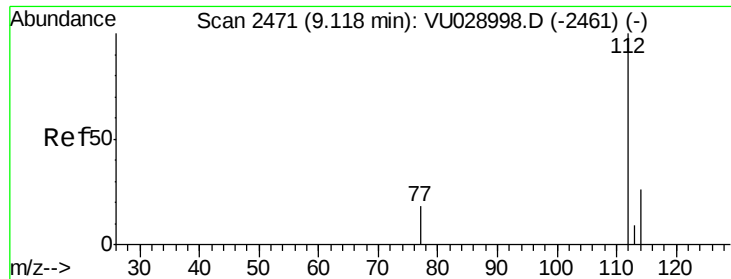
Ion 163.80 (163.50 to 164.50): V

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





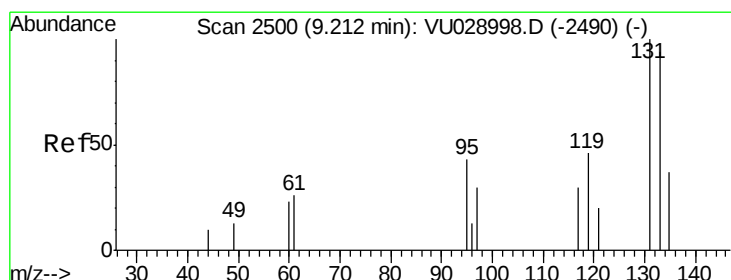
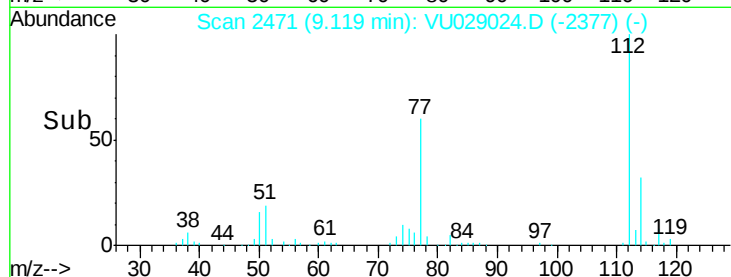
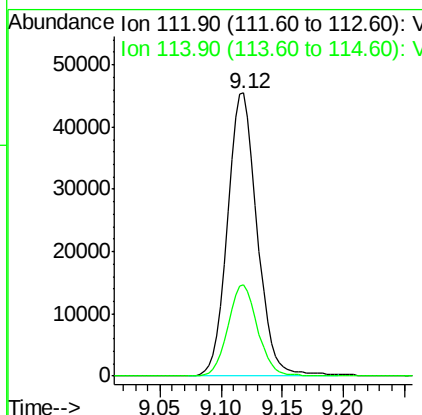
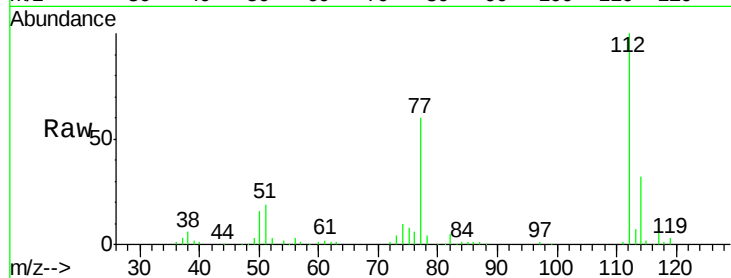
#65
Chlorobenzene
Concen: 18.945 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampled :
VU0105WBS01

Tot Ion:112 Resp: 77481
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6

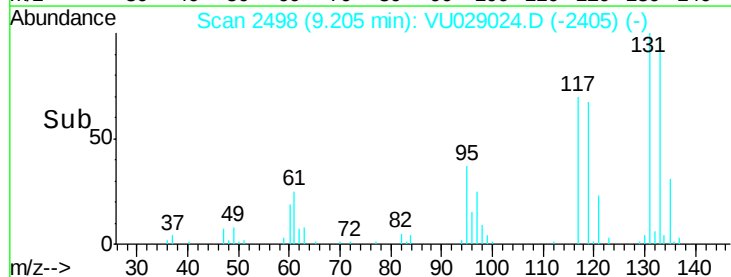
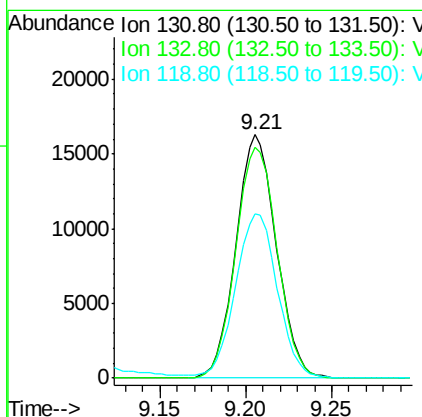
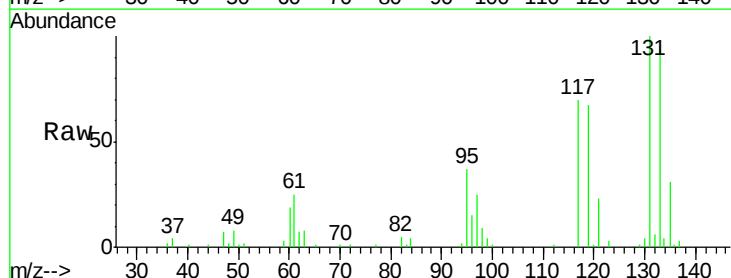
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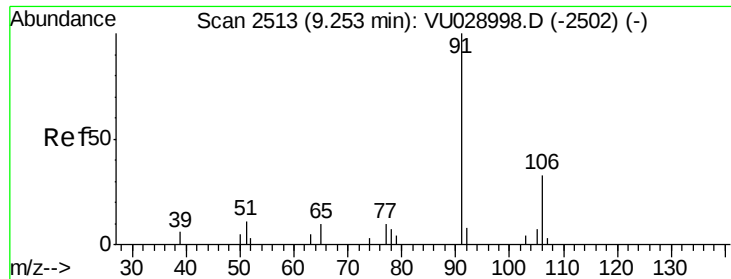
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.062 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:131 Resp: 26626
Ion Ratio Lower Upper
131 100
133 97.1 48.2 144.6
119 70.4 35.4 106.3





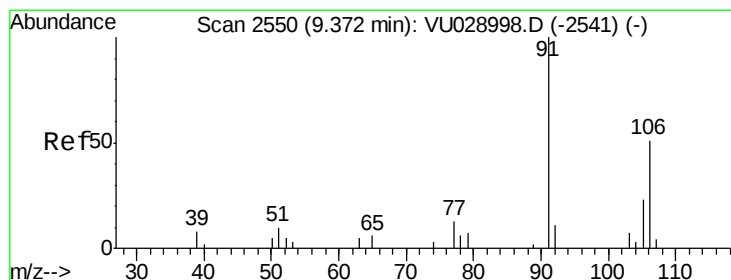
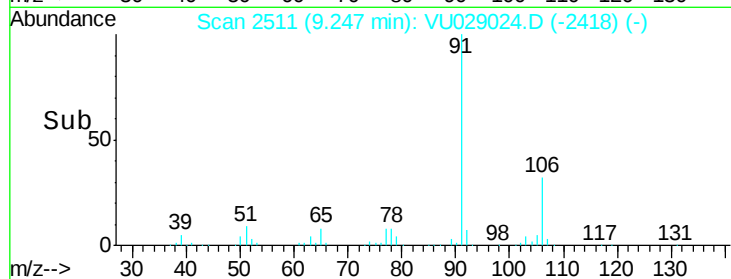
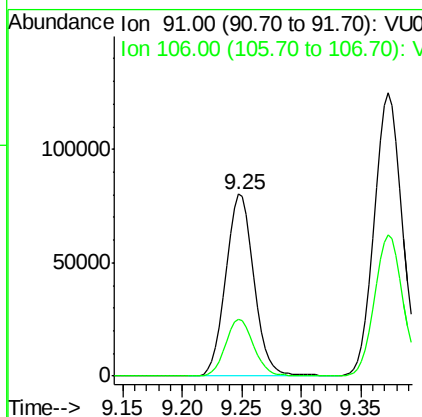
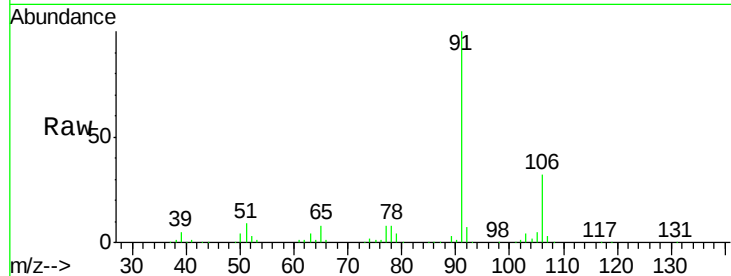
#67
Ethyl Benzene
Concen: 19.406 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampled :
VU0105WBS01

Tot Ion: 91 Resp: 132502
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

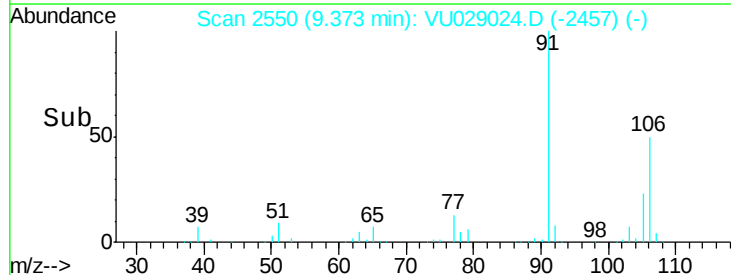
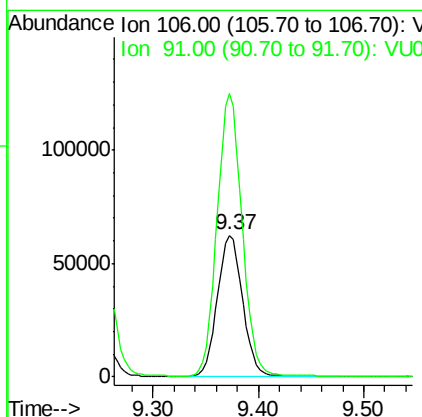
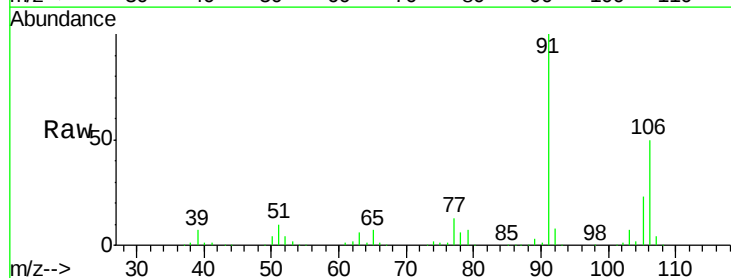
Manual Integrations
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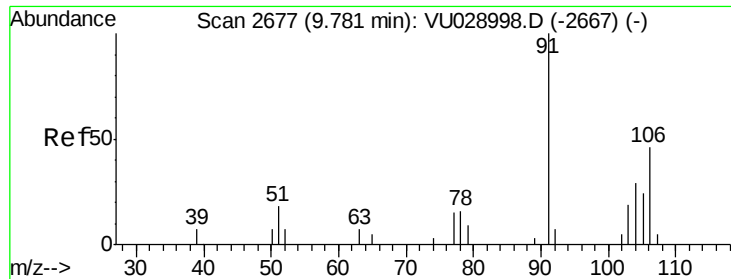
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#68
m/p-Xylenes
Concen: 39.308 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion: 106 Resp: 104284
Ion Ratio Lower Upper
106 100
91 195.5 161.7 242.5





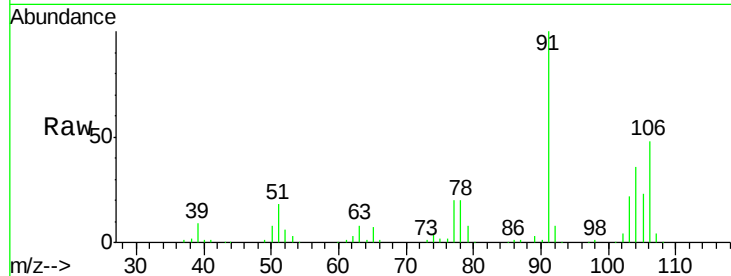
#69
o-Xylene
Concen: 19.452 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampled :
VU0105WBS01

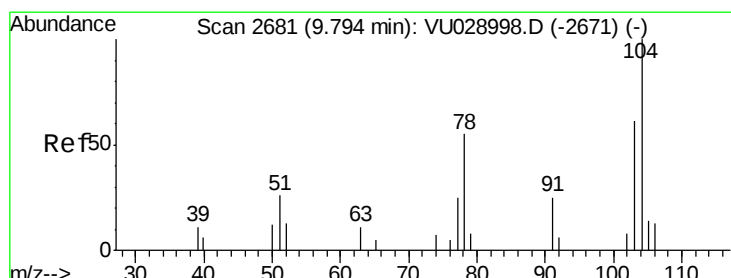
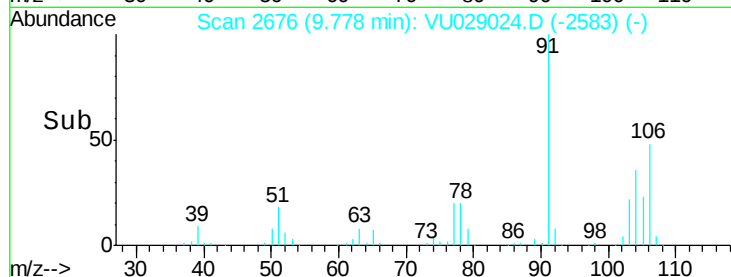
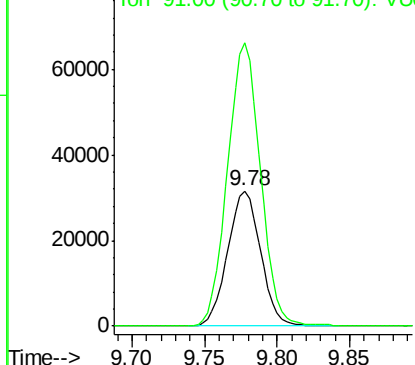
Tot Ion:106 Resp: 49724
Ion Ratio Lower Upper
106 100
91 210.2 106.1 318.3

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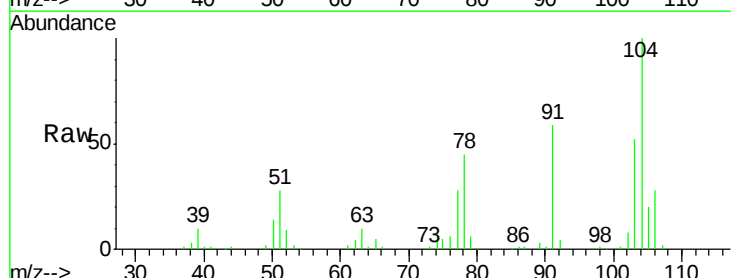


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

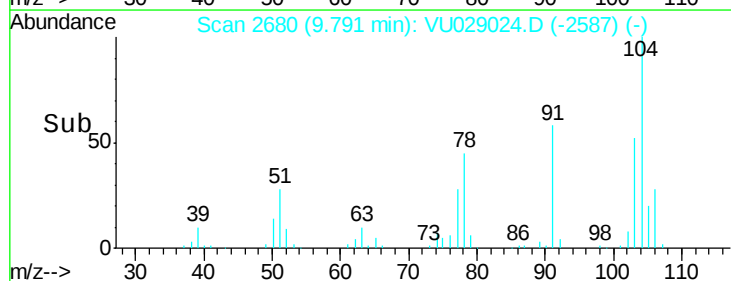
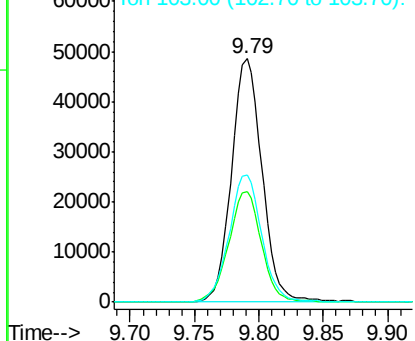


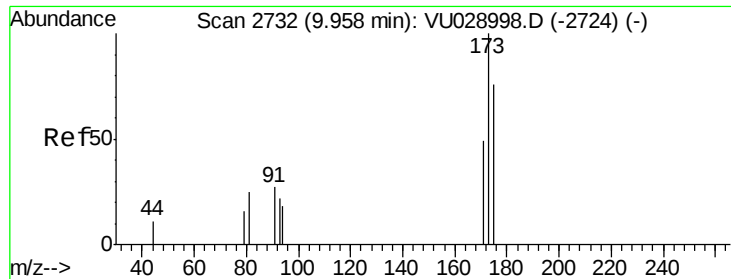
#70
Styrene
Concen: 19.130 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion:104 Resp: 80167
Ion Ratio Lower Upper
104 100
78 48.5 38.6 58.0
103 55.9 44.5 66.7



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





#71

Bromoform

Concen: 18.908 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

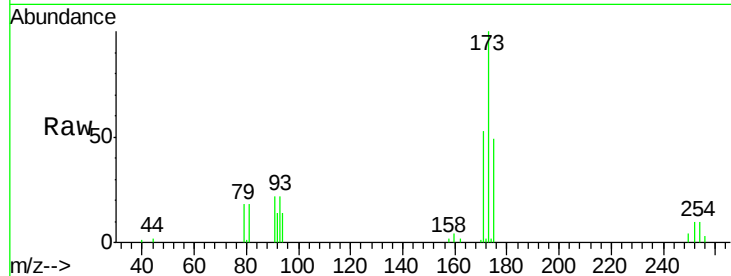
ClientSampleId :

VU0105WBS01

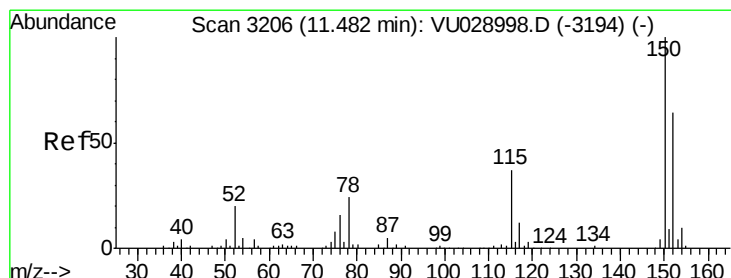
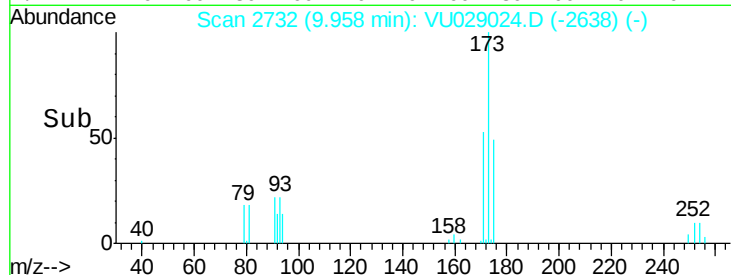
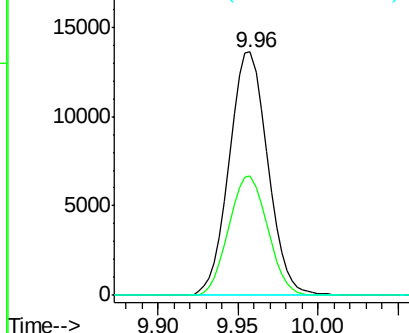
Tot Ion:	173	Resp:	22344
Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

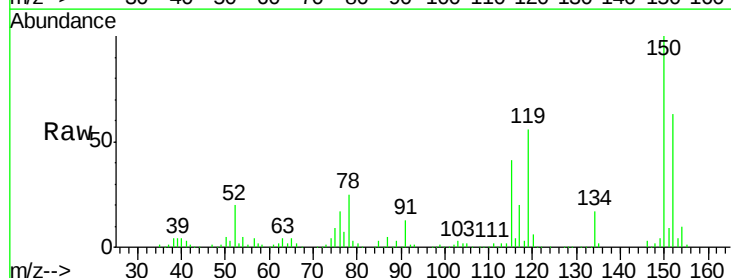
RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

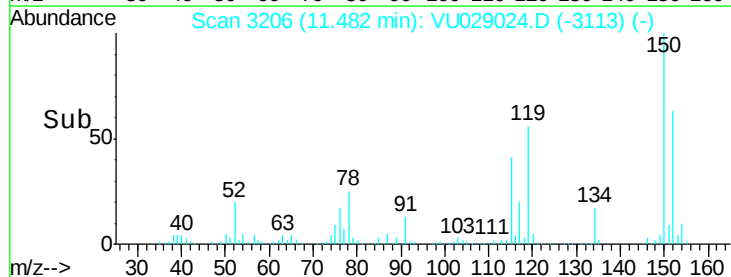
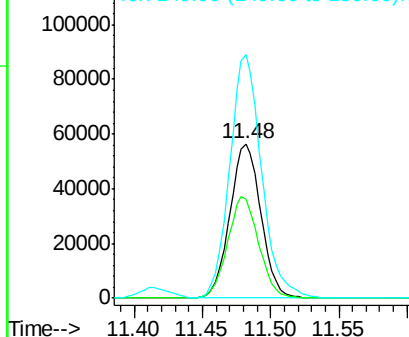
Lab File: VU029024.D

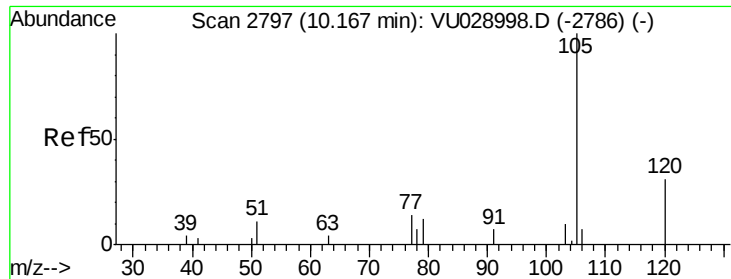
Acq: 04 Jan 2019 13:51

Tgt Ion:	152	Resp:	88897
Ion	Ratio	Lower	Upper
152	100		
115	65.9	40.1	120.3
150	162.3	0.0	345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.518 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion: 105 Resp: 128430

Ion Ratio Lower Upper

105 100

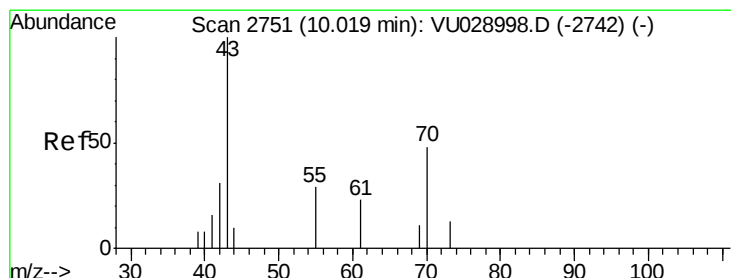
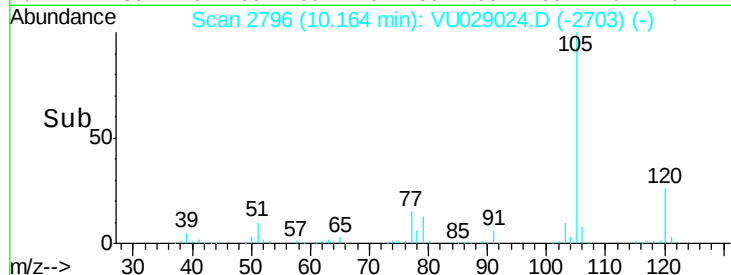
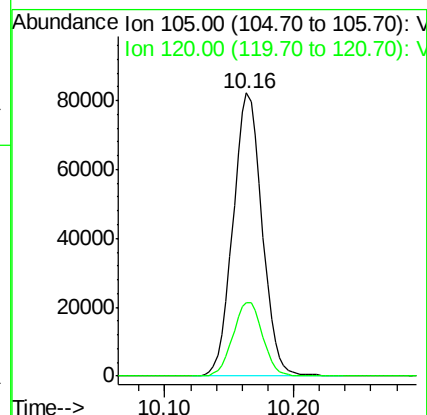
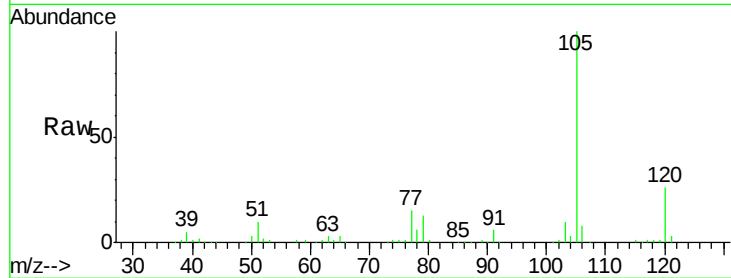
120 26.7 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.686 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Tgt Ion: 43 Resp: 55817

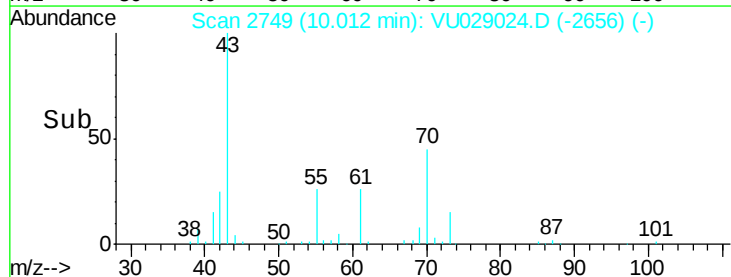
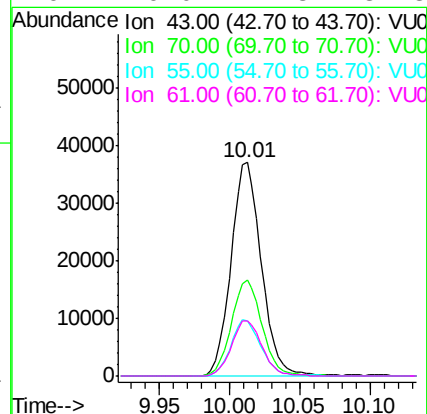
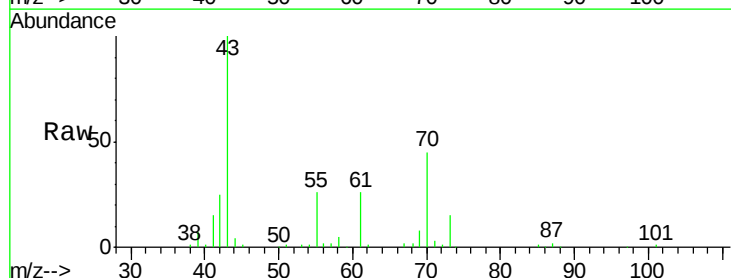
Ion Ratio Lower Upper

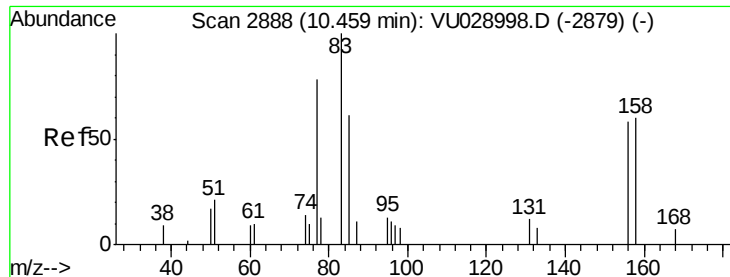
43 100

70 45.2 36.3 54.5

55 26.2 20.5 30.7

61 26.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

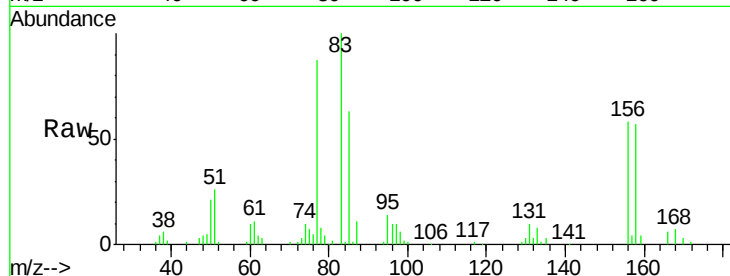
ClientSampleId :

VU0105WBS01

Tot Ion:	83	Resp:	51048
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	62.8	32.0	96.2

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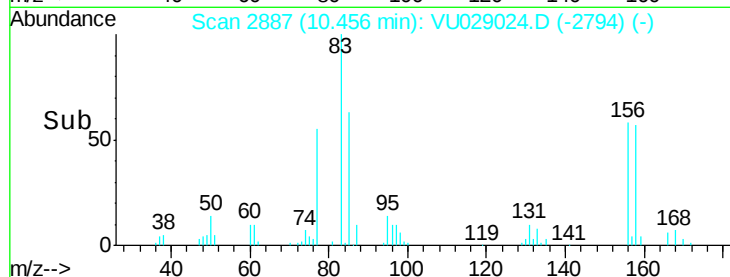


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->



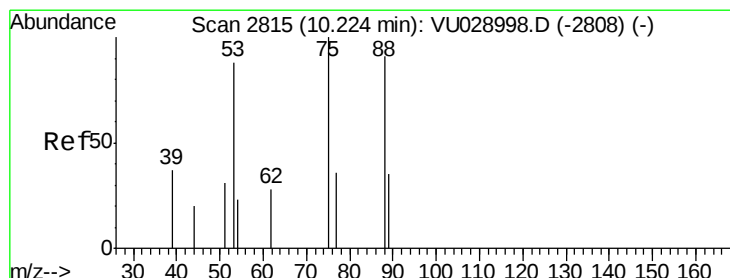
Abundance

Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.700 ug/l m

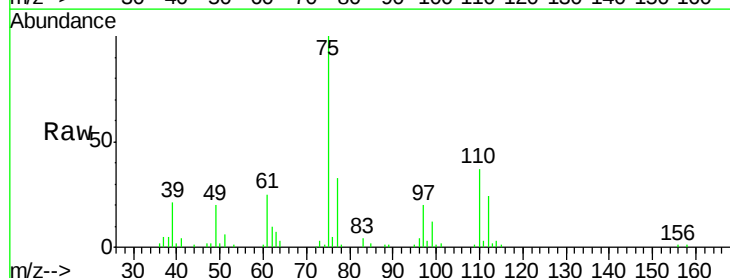
RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

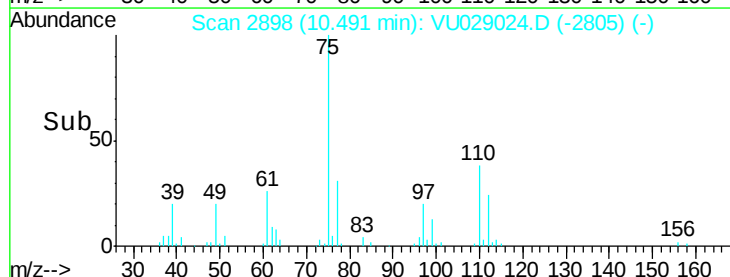
Tgt Ion:	75	Resp:	42908
Ion Ratio	Lower	Upper	
75	100		
77	40.9	20.9	62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

Time-->

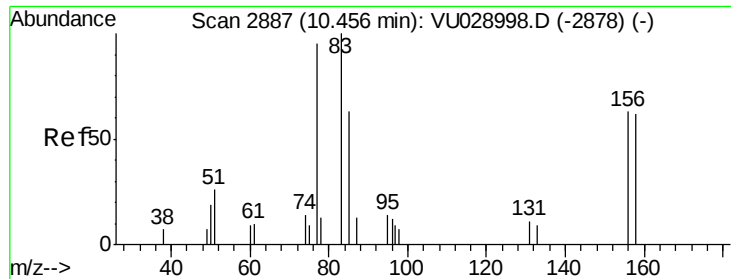


Abundance

Ion 74.90 (74.60 to 75.60): VU028998.D (-2808) (-)

Ion 77.00 (76.70 to 77.70): VU028998.D (-2808) (-)

Time-->



#77

Bromobenzene

Concen: 19.526 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion:156 Resp: 33482

Ion Ratio Lower Upper

156 100

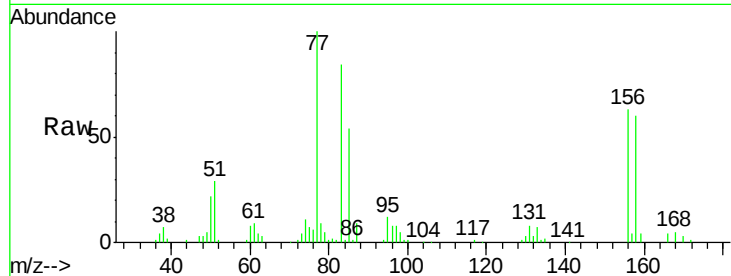
77 157.7 79.0 237.2

158 97.6 48.9 146.6

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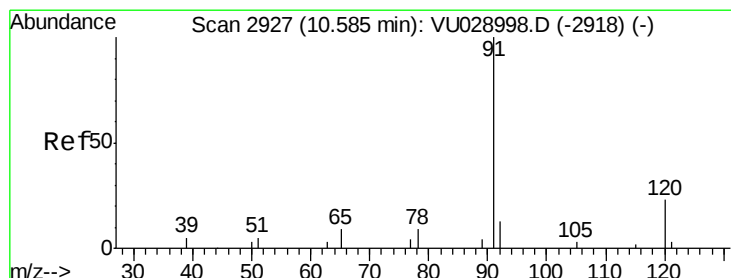
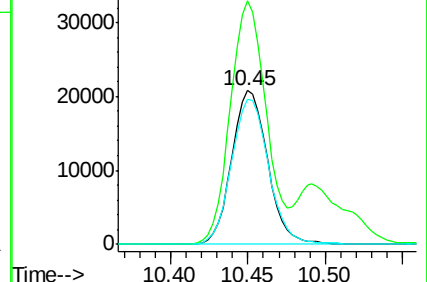
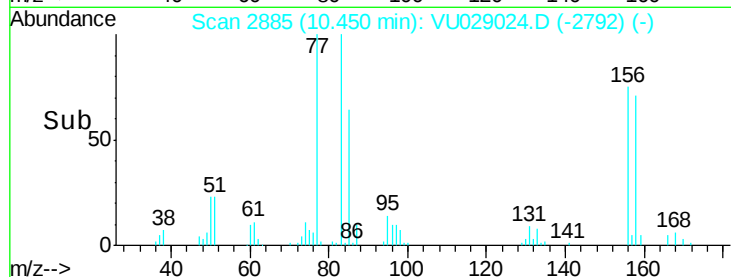
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.699 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029024.D

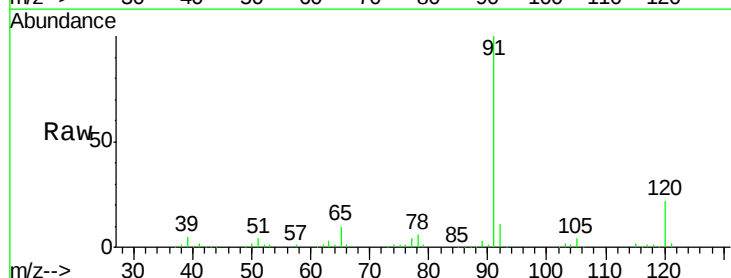
Acq: 04 Jan 2019 13:51

Tgt Ion: 91 Resp: 152756

Ion Ratio Lower Upper

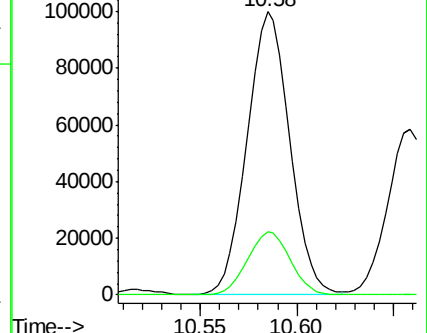
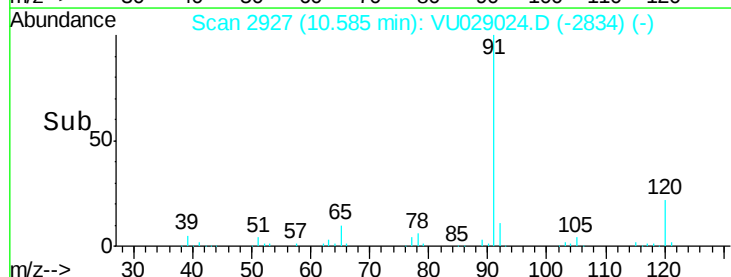
91 100

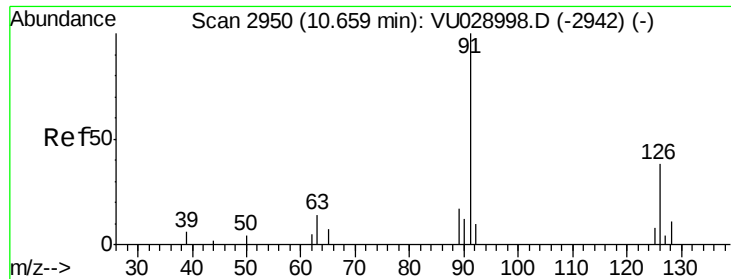
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





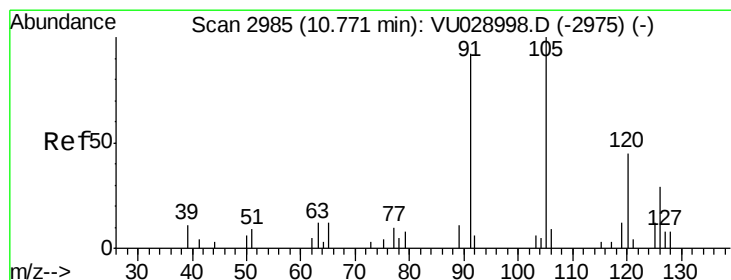
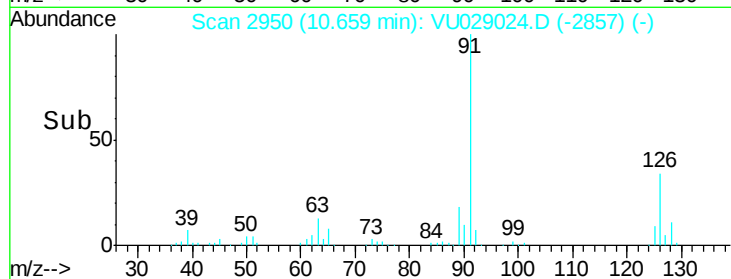
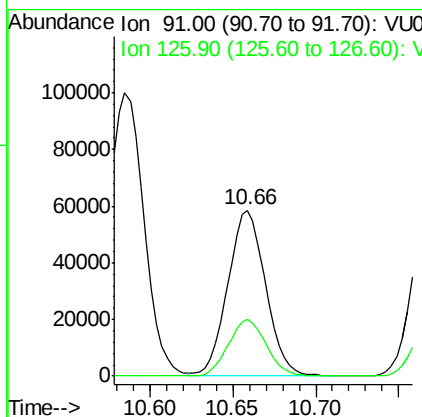
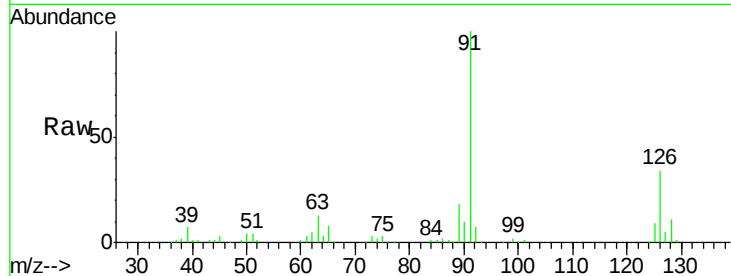
#79
 2-Chlorotoluene
 Concen: 19.622 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion: 91 Resp: 92300
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.8 50.4

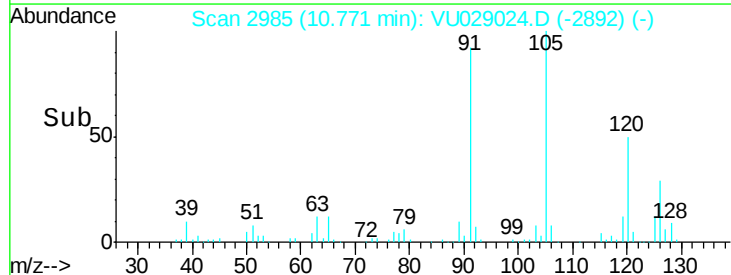
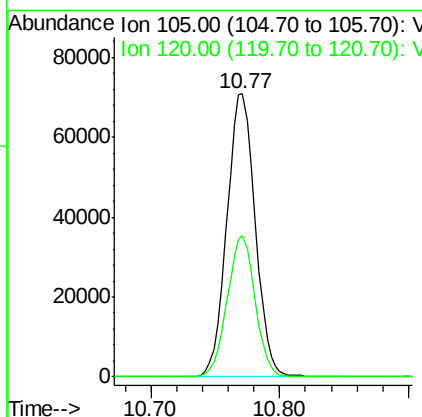
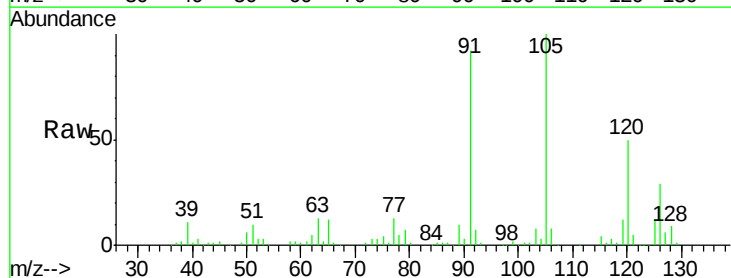
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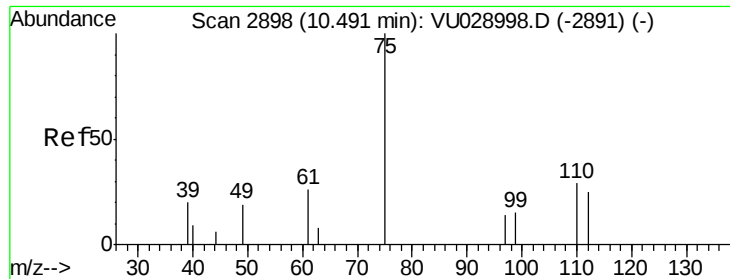
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.680 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion: 105 Resp: 108138
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.4





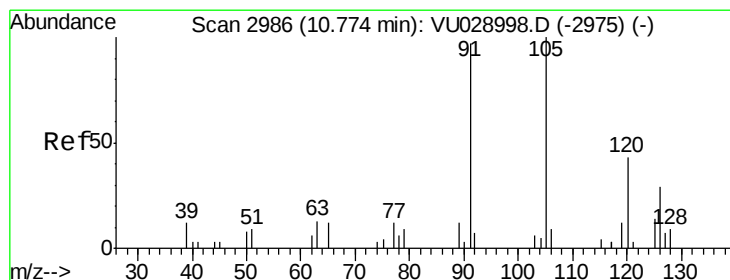
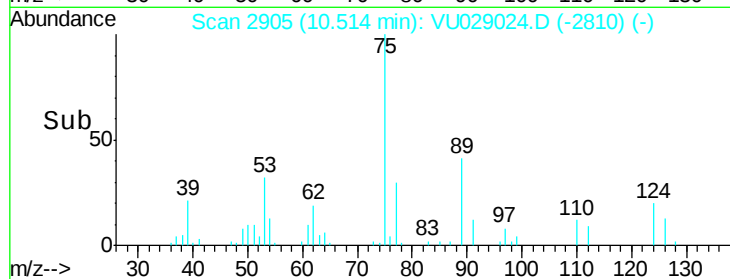
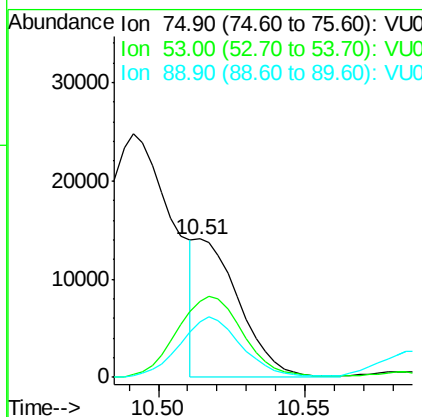
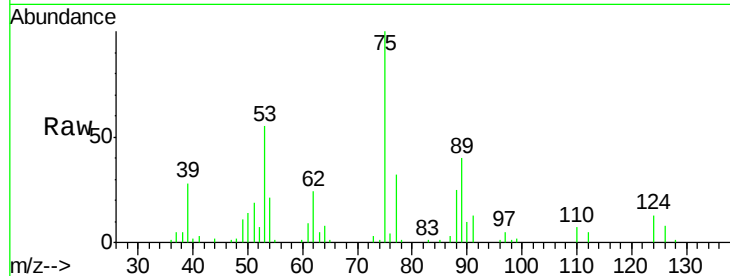
#81
trans-1,4-Dichloro-2-butene
Concen: 17.277 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

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

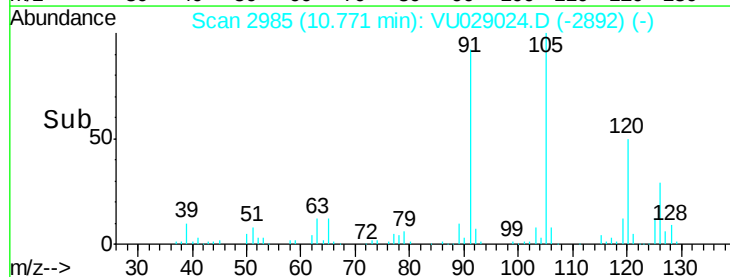
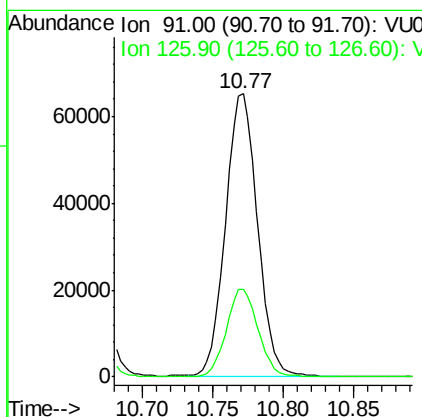
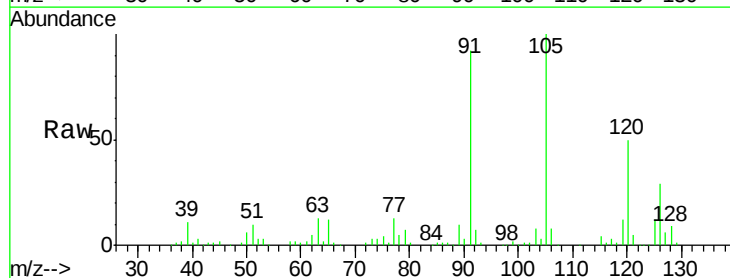
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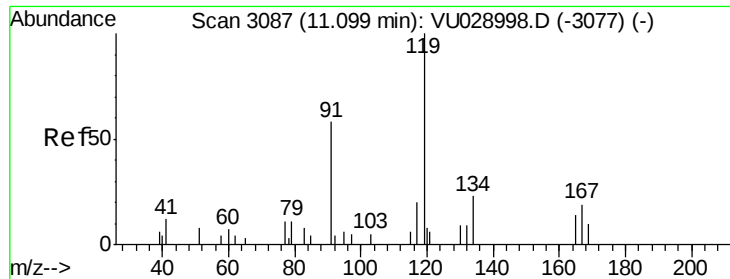
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#82
4-Chlorotoluene
Concen: 19.109 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





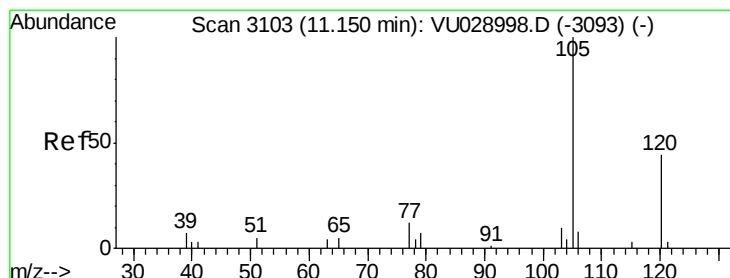
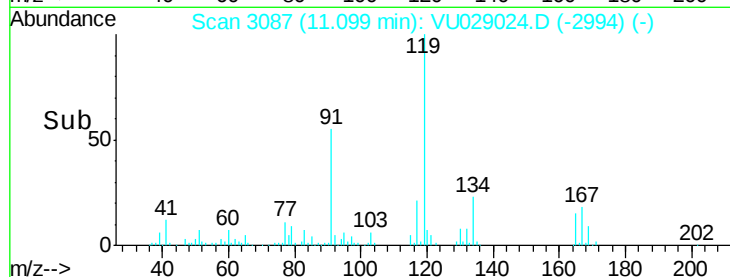
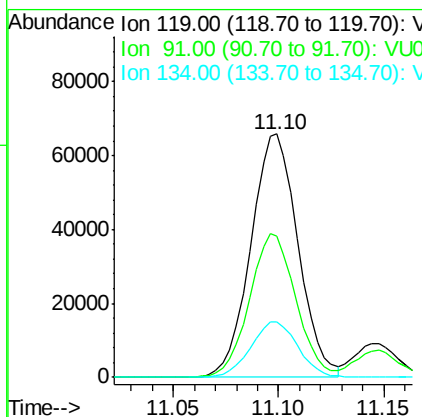
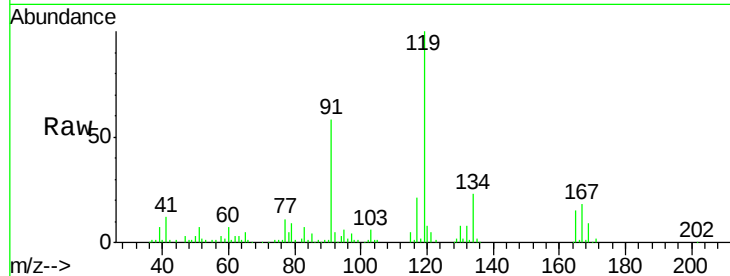
#83
tert-Butylbenzene
Concen: 18.925 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102496		
91	57.9	28.2	84.6	
134	22.8	11.3	33.8	

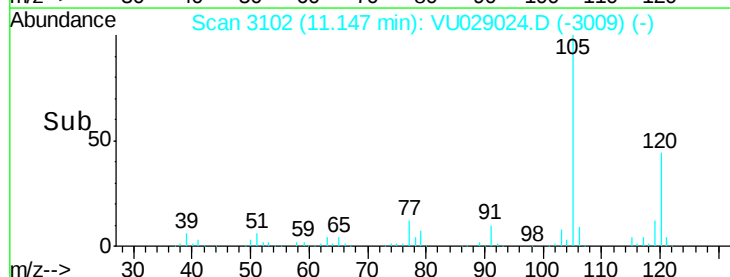
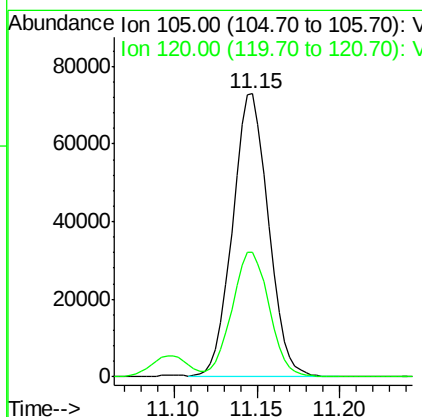
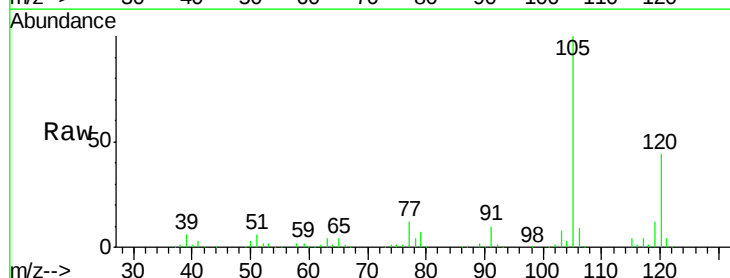
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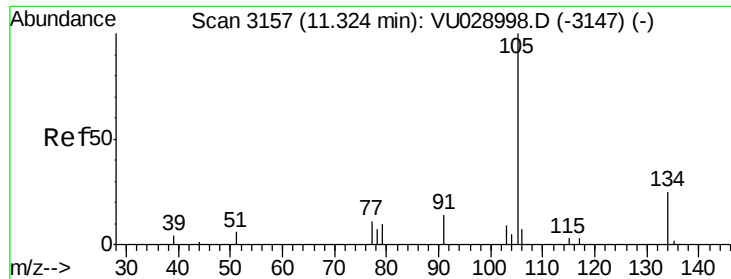
MMDadoda
1/7/2019 12:48:57 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.945 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	109415		
120	45.9	23.1	69.3	





#85

sec-Butylbenzene

Concen: 19.677 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU0105WBS01

Tot Ion:105 Resp: 128879

Ion Ratio Lower Upper

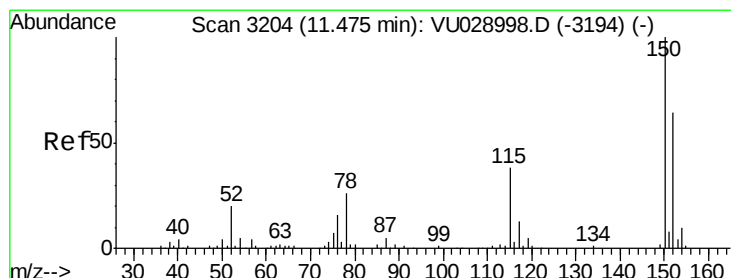
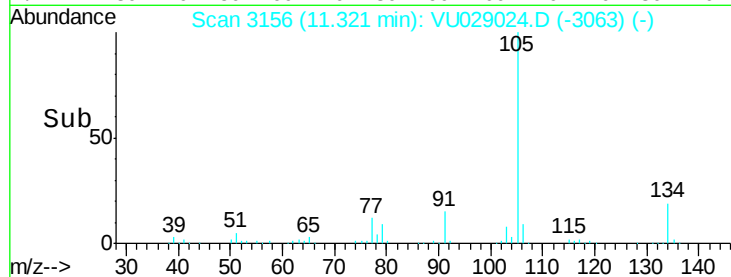
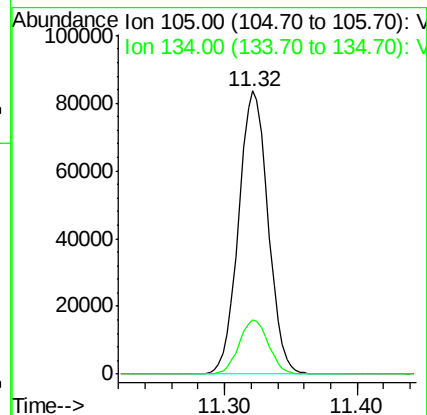
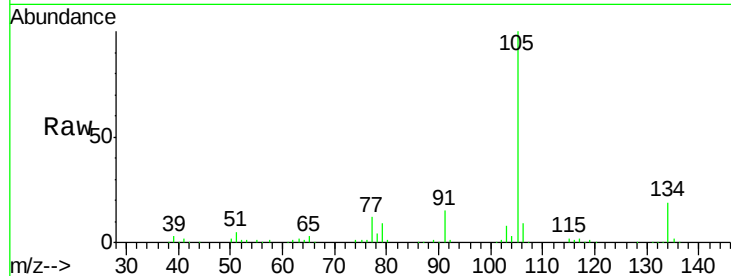
105 100

134 19.1 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.307 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029024.D

Acq: 04 Jan 2019 13:51

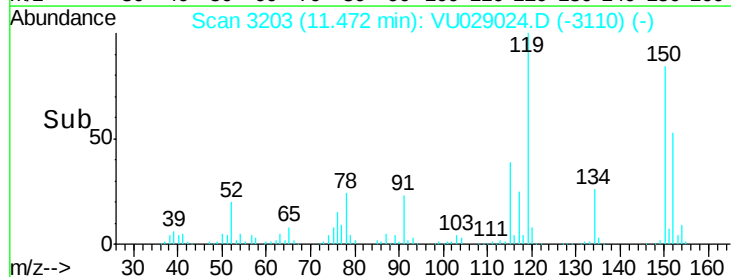
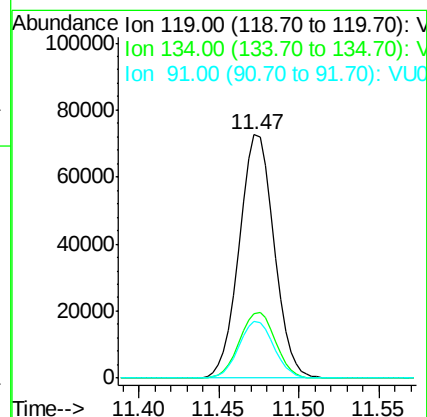
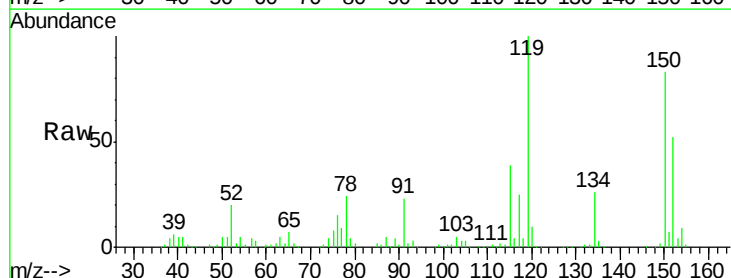
Tgt Ion:119 Resp: 107755

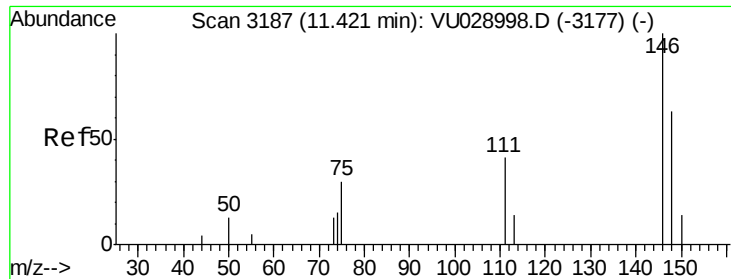
Ion Ratio Lower Upper

119 100

134 27.6 13.5 40.4

91 23.4 11.3 33.8





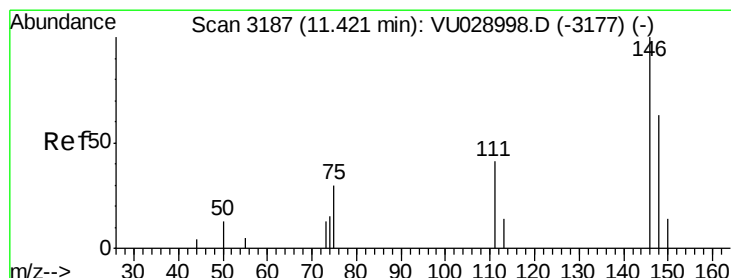
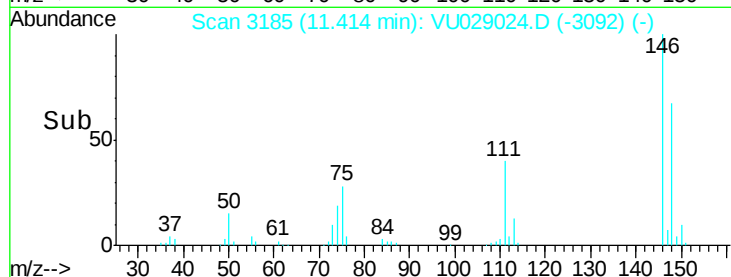
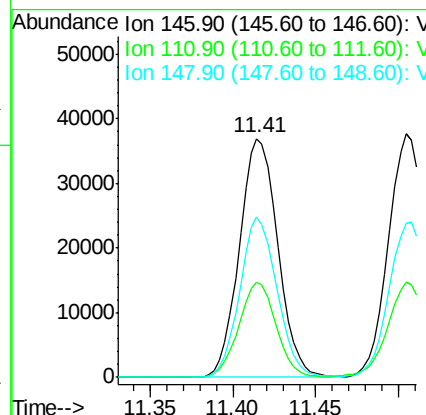
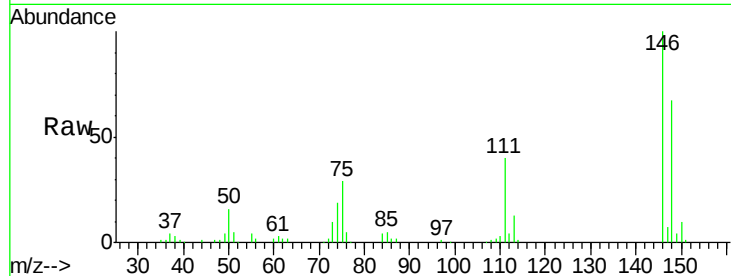
#87
 1,3-Dichlorobenzene
 Concen: 18.916 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	65.0	32.5	97.5

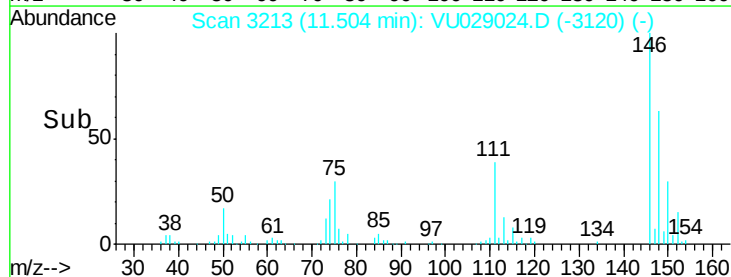
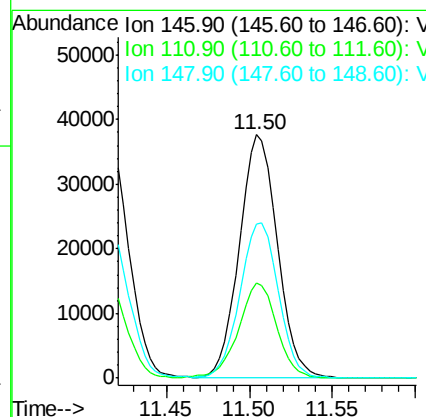
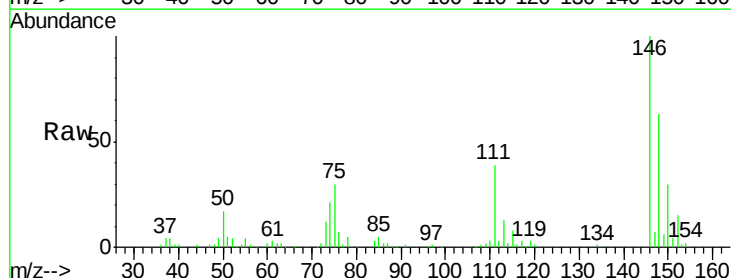
Manual Integrations
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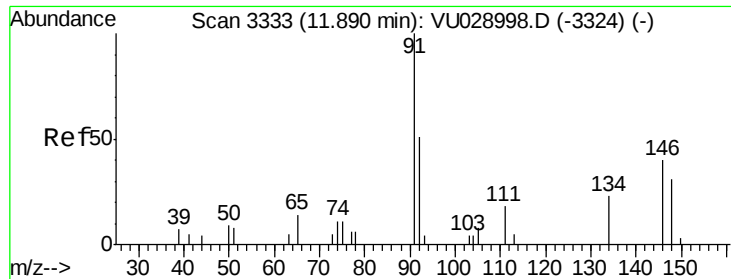
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#88
 1,4-Dichlorobenzene
 Concen: 18.441 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	65.2	32.6	98.0





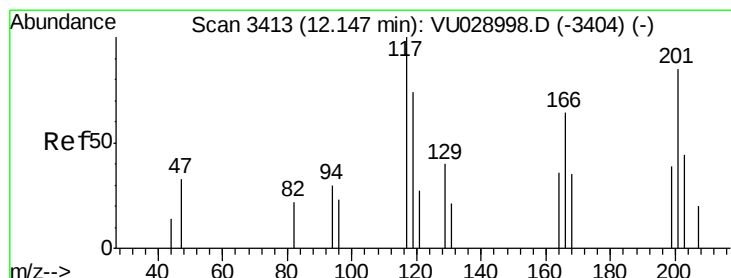
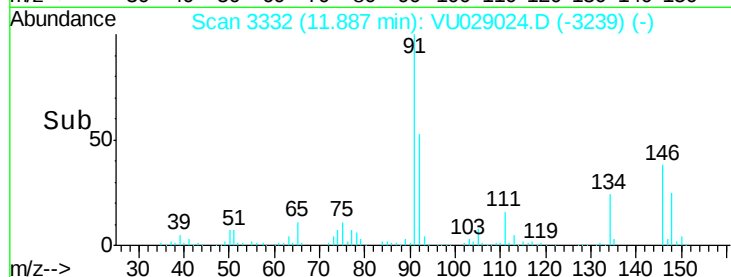
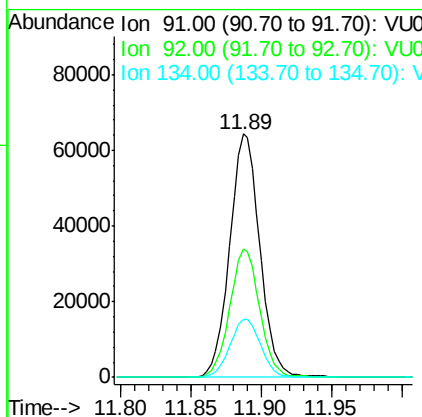
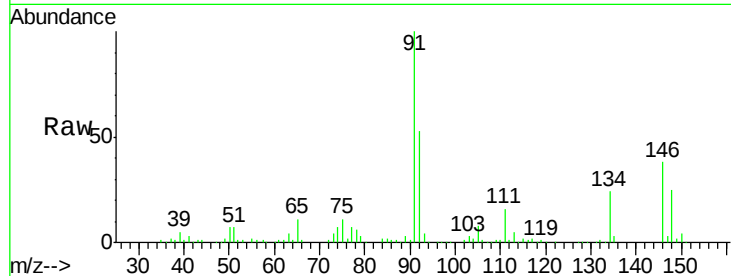
#89
n-Butylbenzene
Concen: 19.307 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	24.3	12.6	37.6

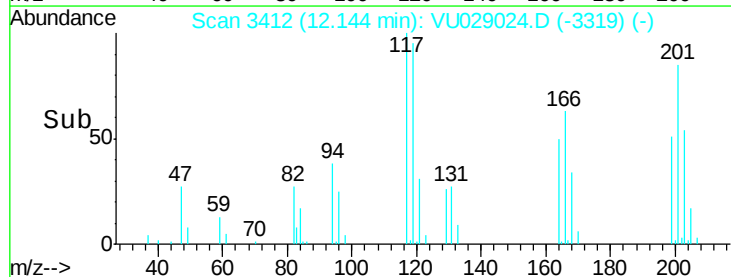
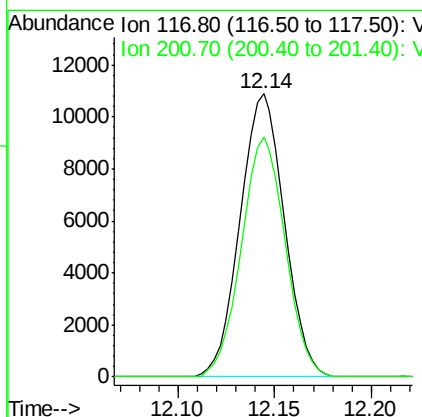
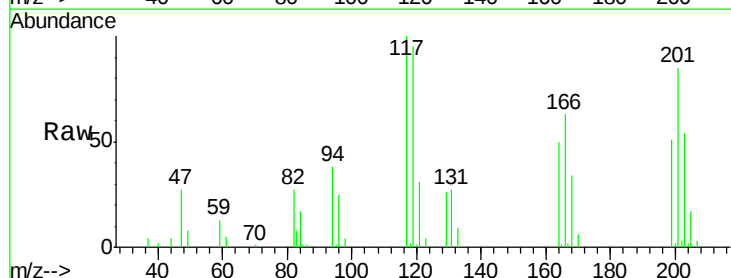
Manual Integrations
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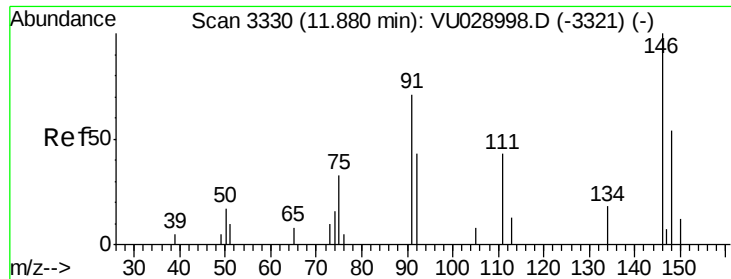
MMDadoda
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#90
Hexachloroethane
Concen: 18.503 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.9	42.4	127.3





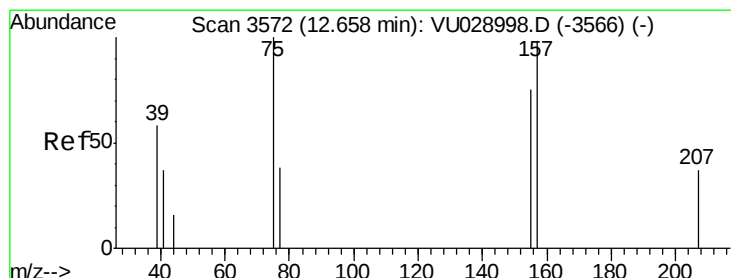
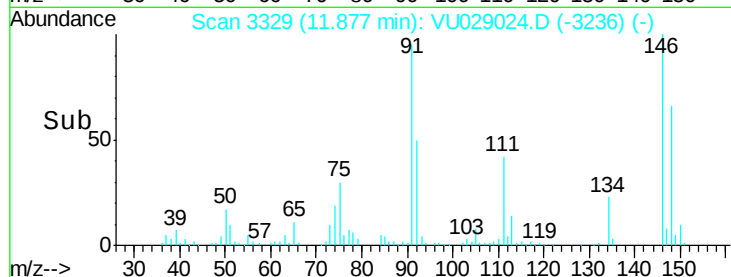
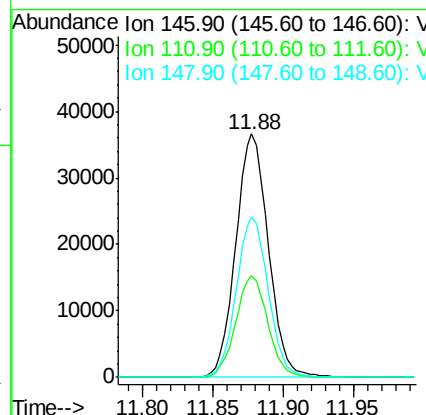
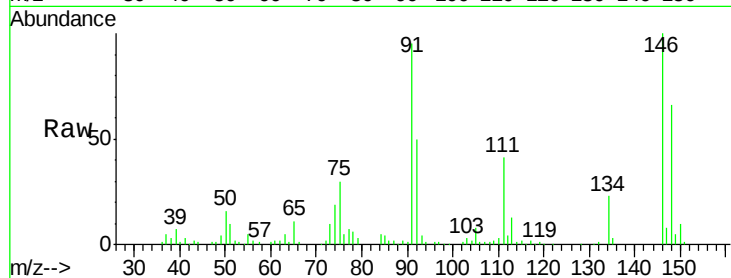
#91
 1,2-Dichlorobenzene
 Concen: 18.726 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	59.9
148	64.5	31.6	94.8

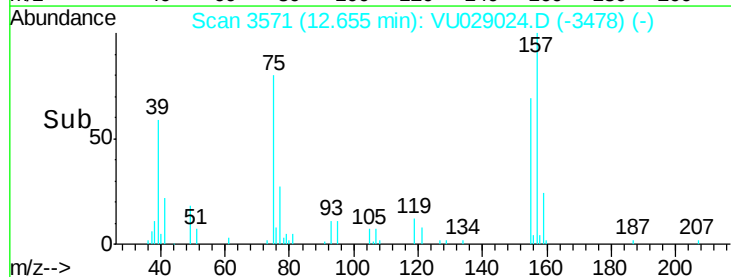
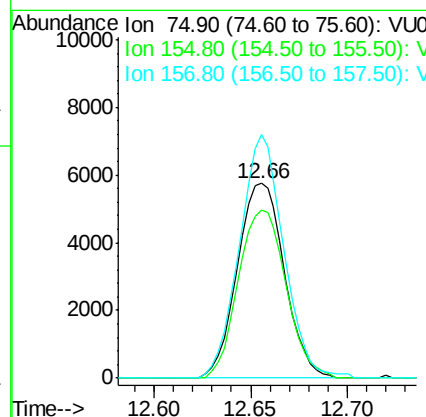
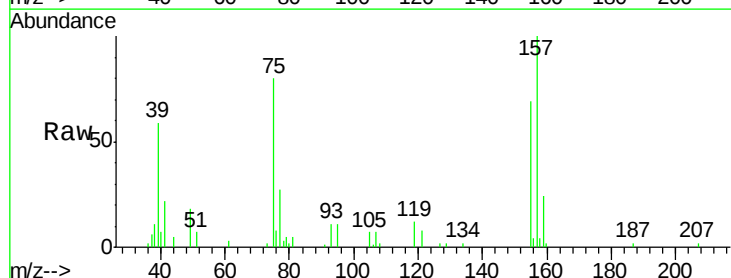
Manual Integrations
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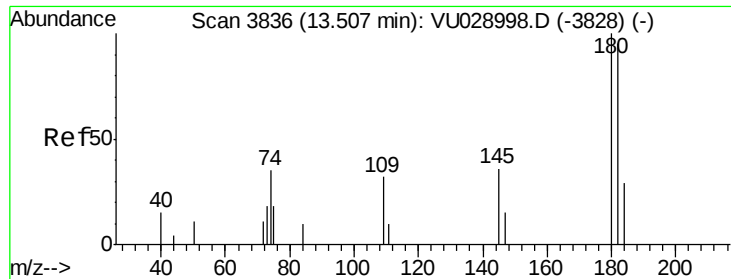
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.177 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	46.3	138.8
157	117.4	57.4	172.0





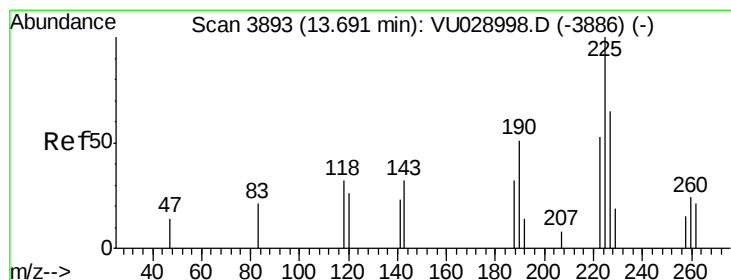
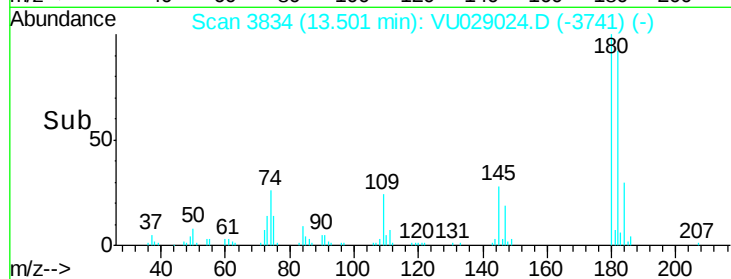
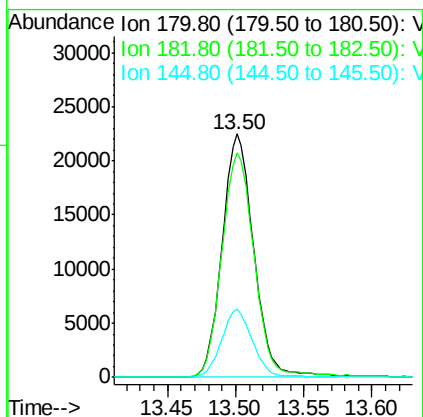
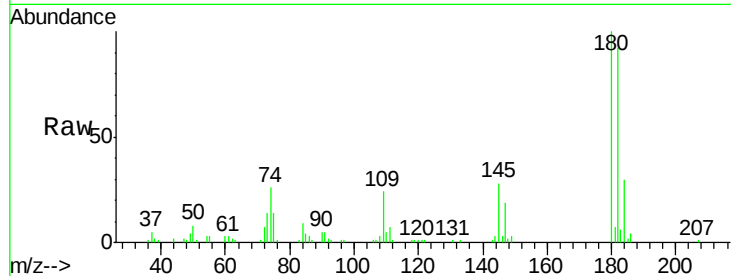
#93
 1,2,4-Trichlorobenzene
 Concen: 17.906 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0105WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	27.4	14.0	42.0

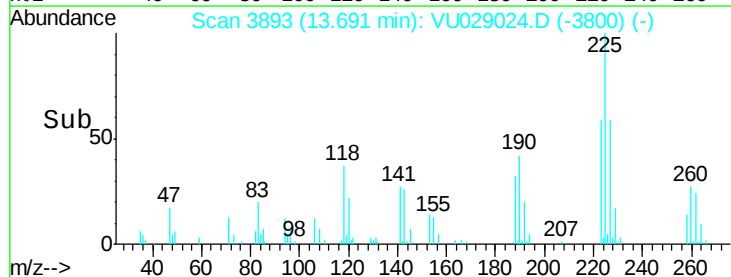
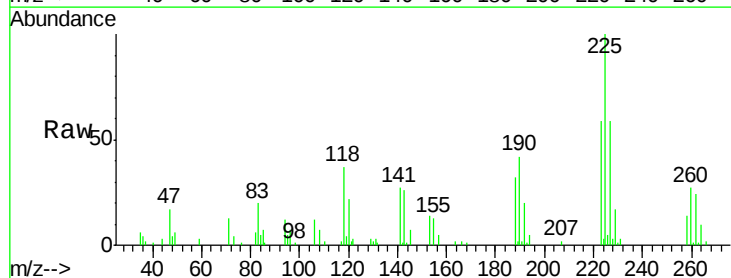
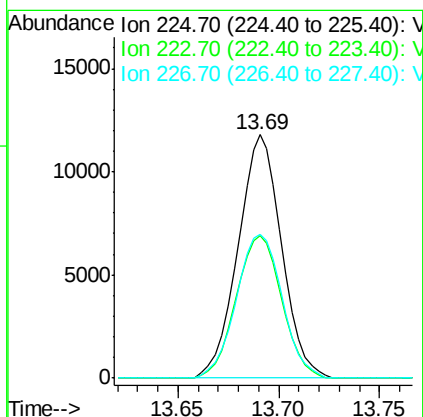
Manual Integrations
 APPROVED

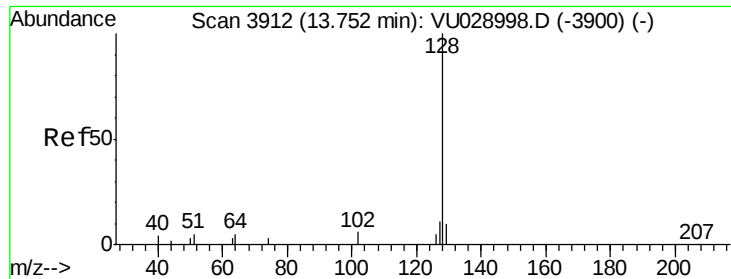
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.247 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029024.D
 Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.4	94.0
227	62.3	31.9	95.5





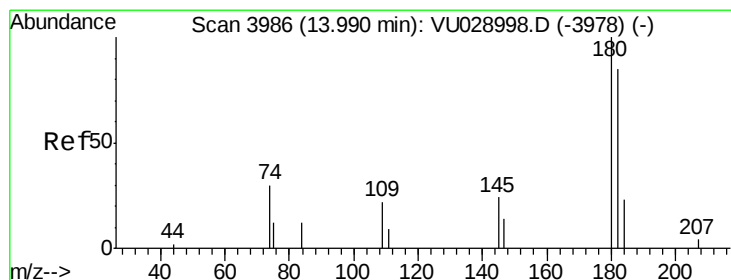
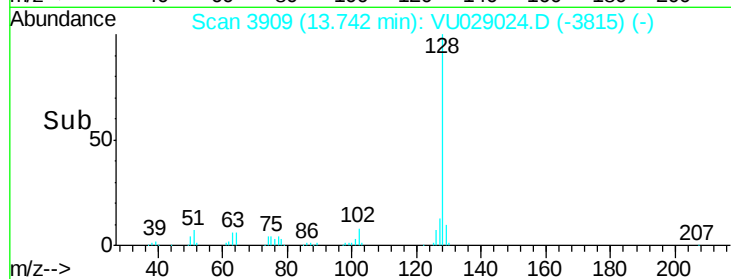
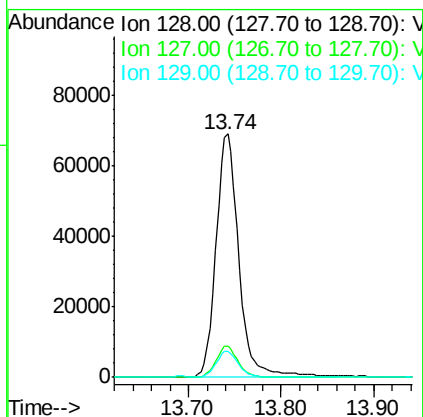
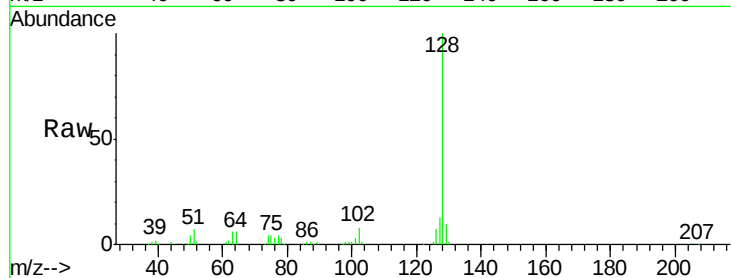
#95
Naphthalene
Concen: 17.148 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU0105WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.3	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 18.400 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029024.D
Acq: 04 Jan 2019 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.1	144.3
145	32.0	14.8	44.4

