

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU029005.D
 Acq On : 03 Jan 2019 18:25
 Operator : MD/SY
 Sample : VU0103WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:28 AM

Quant Time: Jan 04 08:05:49 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	127234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	214015	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	80036	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	4.88	113	69240	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	7.56	98	271735	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	10.30	95	94057	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	25539	20.240	ug/l	96
3) Chloromethane	1.33	50	40289	19.580	ug/l	100
4) Vinyl Chloride	1.40	62	36546	19.654	ug/l	100
5) Bromomethane	1.61	94	20764	19.891	ug/l	98
6) Chloroethane	1.69	64	22775	20.563	ug/l	98
7) Trichlorofluoromethane	1.88	101	40561	20.018	ug/l	100
8) Diethyl Ether	2.10	74	19520	20.053	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	26288	19.390	ug/l	98
10) Methyl Iodide	2.41	142	27143	21.293	ug/l	99
11) Tert butyl alcohol	2.83	59	38503	96.306	ug/l	98
12) 1,1-Dichloroethene	2.28	96	26899	20.384	ug/l	98
13) Acrolein	2.19	56	29106	96.954	ug/l	99
14) Allyl chloride	2.59	41	44839	18.519	ug/l	92
15) Acrylonitrile	2.94	53	98660	100.587	ug/l	99
16) Acetone	2.32	43	81096	81.846	ug/l	99
17) Carbon Disulfide	2.47	76	87463	19.678	ug/l	99
18) Methyl Acetate	2.61	43	45974	19.955	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	92842	20.012	ug/l	99
20) Methylene Chloride	2.70	84	32546	19.346	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	29925	19.519	ug/l	97
22) Diisopropyl ether	3.57	45	97916	20.462	ug/l	98
23) Vinyl Acetate	3.52	43	401054	102.519	ug/l	100
24) 1,1-Dichloroethane	3.44	63	55426	20.064	ug/l	99
25) 2-Butanone	4.26	43	128042	95.677	ug/l	99
26) 2,2-Dichloropropane	4.22	77	43146	19.330	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	33912	20.224	ug/l	99
28) Bromochloromethane	4.55	49	24759	20.932	ug/l	99
29) Tetrahydrofuran	4.64	42	81316	100.182	ug/l	99
30) Chloroform	4.67	83	52866	20.093	ug/l	97
31) Cyclohexane	4.99	56	53730	19.929	ug/l	94
32) 1,1,1-Trichloroethane	4.91	97	43536	20.025	ug/l	99
36) 1,1-Dichloropropene	5.13	75	40369	18.871	ug/l	100
37) Ethyl Acetate	4.38	43	45879	19.539	ug/l	99
38) Carbon Tetrachloride	5.13	117	34746	19.475	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	49077	18.662	ug/l	99
40) Benzene	5.39	78	131080	19.644	ug/l	100
41) Methacrylonitrile	4.54	41	25042	19.924	ug/l	99
42) 1,2-Dichloroethane	5.40	62	40268	20.083	ug/l	99
43) Isopropyl Acetate	5.55	43	73336	20.360	ug/l	99
44) Trichloroethene	6.19	130	31662	19.151	ug/l	100
45) 1,2-Dichloropropane	6.43	63	34613	19.643	ug/l	100
46) Dibromomethane	6.56	93	22627	20.087	ug/l	97
47) Bromodichloromethane	6.76	83	41201	19.866	ug/l	96
48) Methyl methacrylate	6.62	41	35511	20.247	ug/l	98
49) 1,4-Dioxane	6.61	88	15696	377.631	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	243498	99.332	ug/l	100
52) Toluene	7.64	92	79042	19.458	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	46451	18.644	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	51559	19.152	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	31918	19.613	ug/l	96
56) Ethyl methacrylate	8.02	69	49474	19.733	ug/l	99
57) 1,3-Dichloropropane	8.24	76	55351	19.878	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	109883	99.660	ug/l	100
59) 2-Hexanone	8.36	43	184277	95.767	ug/l	100
60) Dibromochloromethane	8.48	129	30686	19.033	ug/l	98
61) 1,2-Dibromoethane	8.58	107	33947	19.234	ug/l	98
64) Tetrachloroethene	8.22	164	28670	20.320	ug/l	98
65) Chlorobenzene	9.12	112	84266	19.193	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	28796	20.211	ug/l	97
67) Ethyl Benzene	9.25	91	145201	19.809	ug/l	98
68) m/p-Xylenes	9.37	106	111964	39.312	ug/l	99
69) o-Xylene	9.78	106	54391	19.820	ug/l	99
70) Styrene	9.79	104	88288	19.625	ug/l	99
71) Bromoform	9.96	173	24539	19.343	ug/l #	100
73) Isopropylbenzene	10.16	105	139726	20.020	ug/l	98
74) N-amyl acetate	10.01	43	61541	20.463	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	55613	19.882	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	48440m	20.967	ug/l	
77) Bromobenzene	10.45	156	36506	20.072	ug/l	99
78) n-propylbenzene	10.58	91	165397	20.109	ug/l	100
79) 2-Chlorotoluene	10.66	91	99444	19.931	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	116014	19.906	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	16232m	18.120	ug/l	
82) 4-Chlorotoluene	10.77	91	111207	19.438	ug/l	99
83) tert-Butylbenzene	11.10	119	115543	20.114	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	119107	20.469	ug/l	98
85) sec-Butylbenzene	11.32	105	140330	20.199	ug/l	100
86) p-Isopropyltoluene	11.47	119	118532	20.022	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	63668	19.085	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	63391	18.408	ug/l	97
89) n-Butylbenzene	11.89	91	102901	19.475	ug/l	99
90) Hexachloroethane	12.14	117	18272	18.347	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	63149	18.793	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10731	19.946	ug/l	96

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ClientSampleId :
VU0103WBSD01

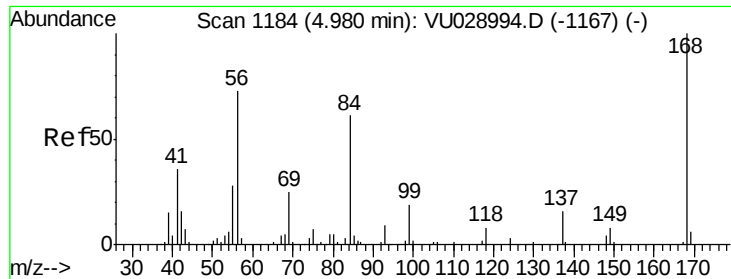
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39305	18.324	ug/l	97
94) Hexachlorobutadiene	13.69	225	18020	18.367	ug/l	98
95) Naphthalene	13.74	128	136190	18.664	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	41831	19.425	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 168 Resp: 127234

Ion Ratio Lower Upper

168 100

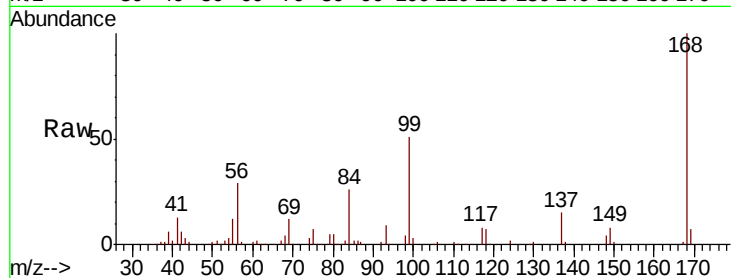
99 50.7 42.0 63.0

Manual Integrations

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

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

4.98

60000

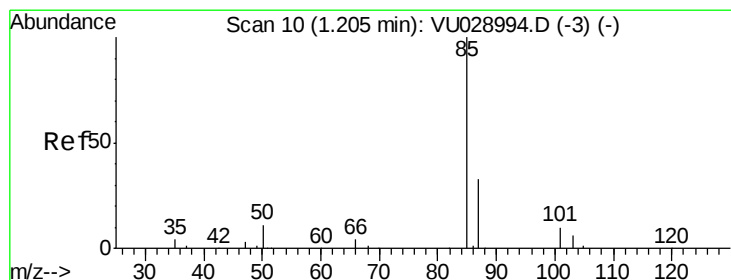
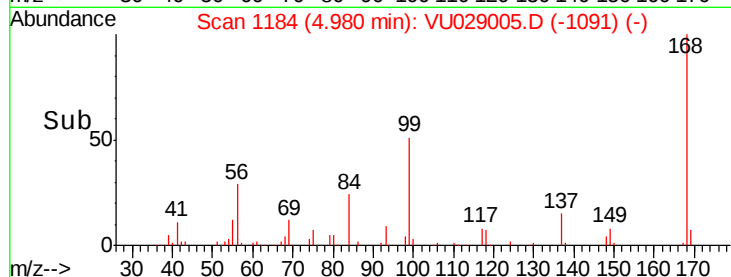
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.240 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029005.D

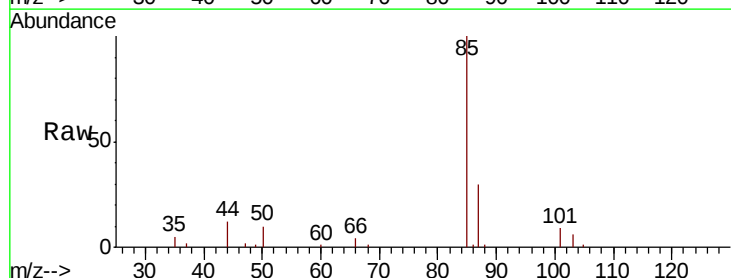
Acq: 03 Jan 2019 18:25

Tgt Ion: 85 Resp: 25539

Ion Ratio Lower Upper

85 100

87 30.5 16.3 48.8



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

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

1.21

30000

25000

20000

15000

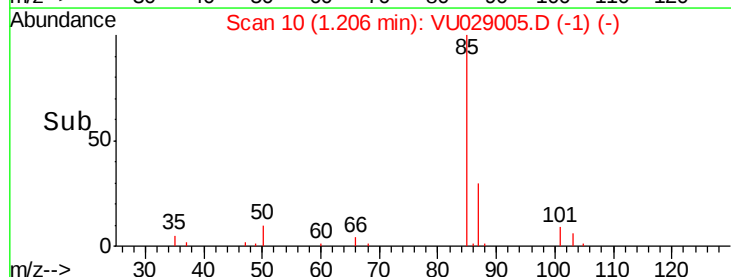
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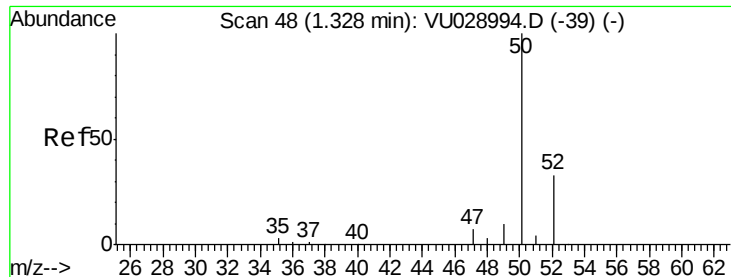
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.580 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 50 Resp: 40289

Ion Ratio Lower Upper

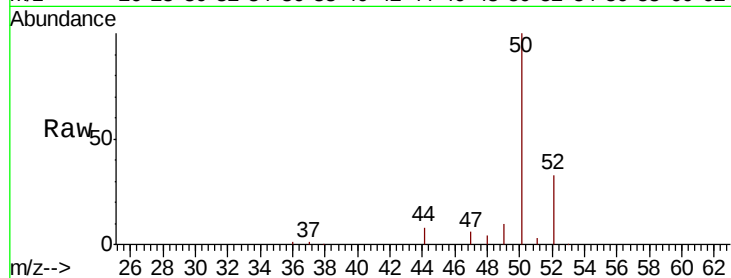
50 100

52 32.7 26.1 39.1

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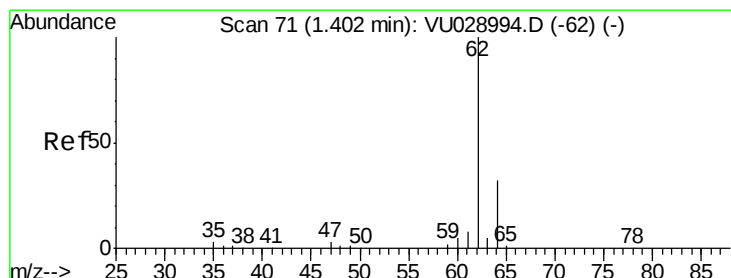
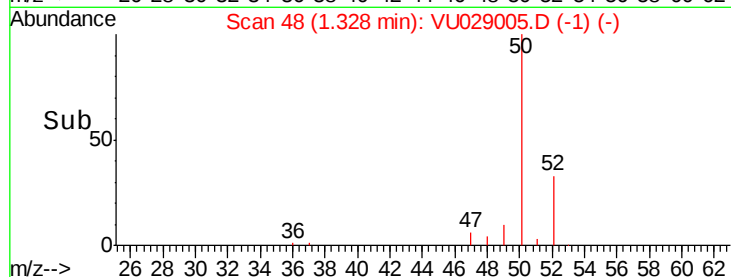
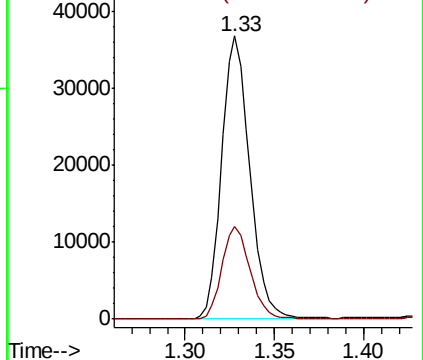
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.654 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029005.D

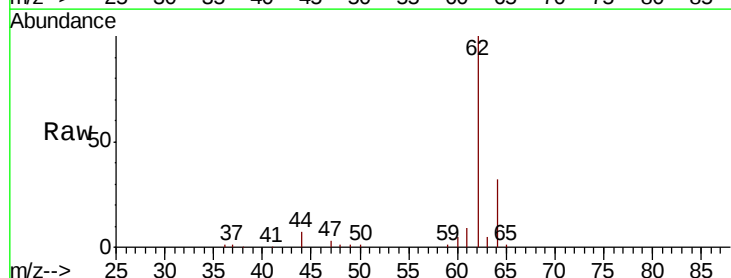
Acq: 03 Jan 2019 18:25

Tgt Ion: 62 Resp: 36546

Ion Ratio Lower Upper

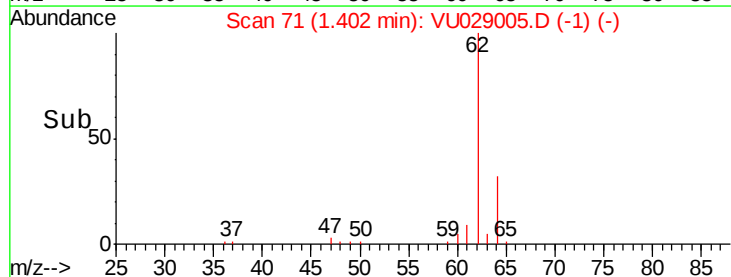
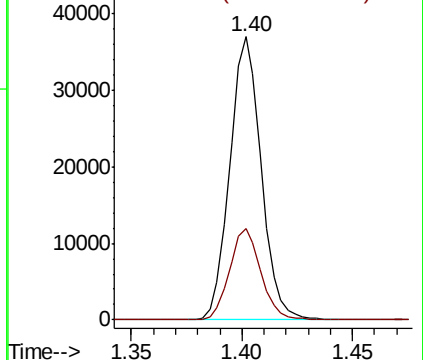
62 100

64 32.3 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: 19.891 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 94 Resp: 20764

Ion Ratio Lower Upper

94 100

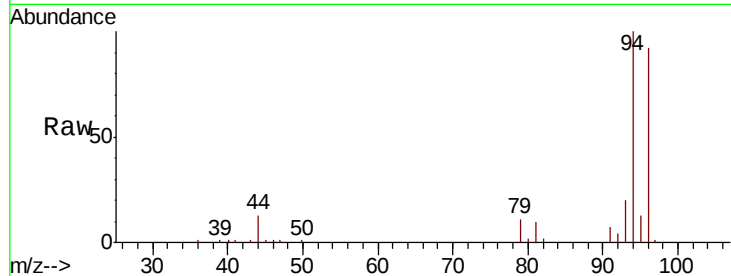
96 92.3 75.5 113.3

Manual Integrations

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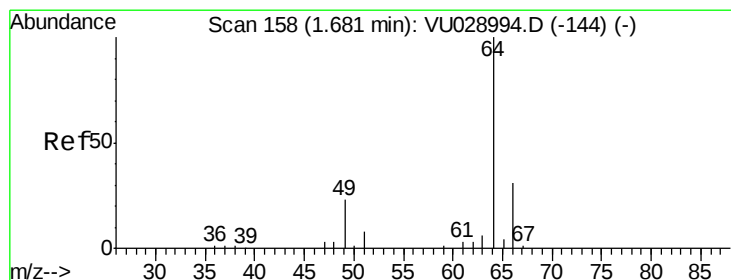
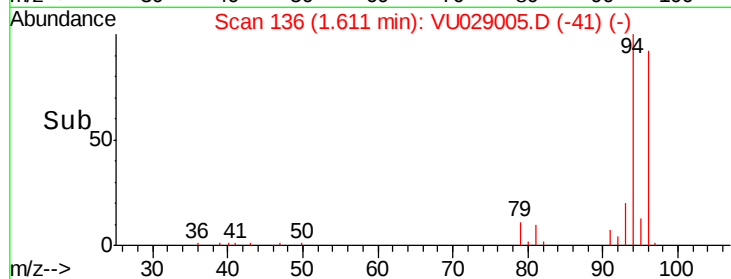
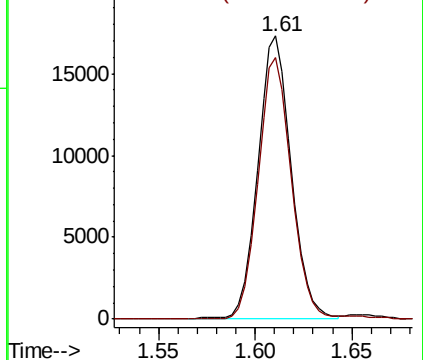
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.563 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029005.D

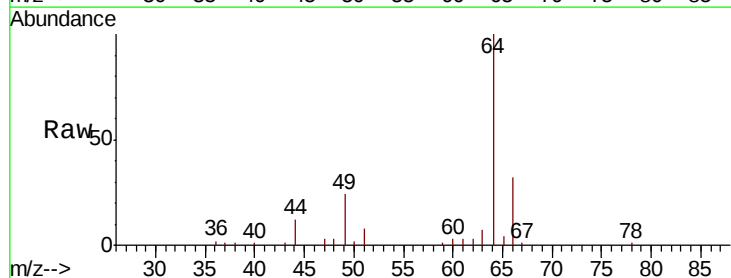
Acq: 03 Jan 2019 18:25

Tgt Ion: 64 Resp: 22775

Ion Ratio Lower Upper

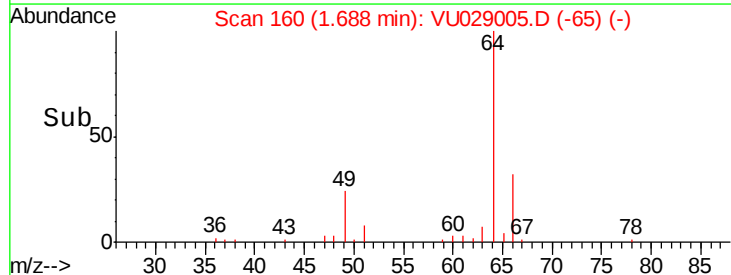
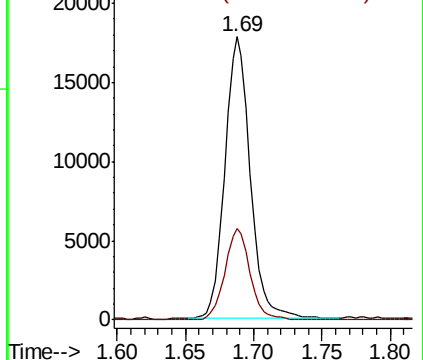
64 100

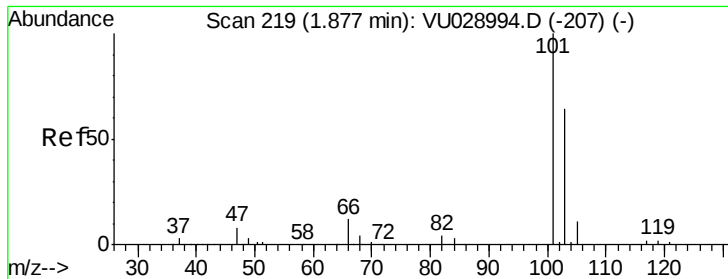
66 32.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

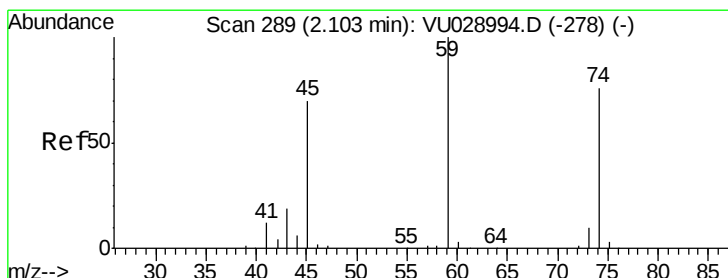
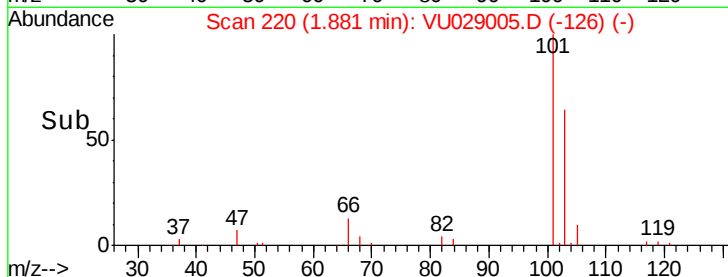
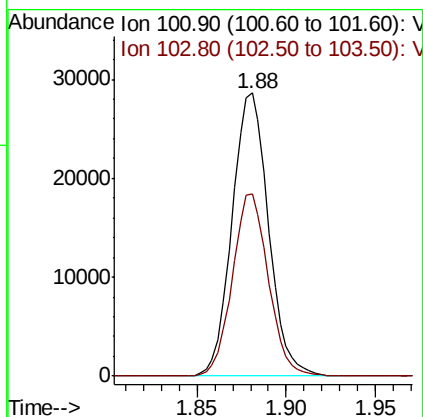
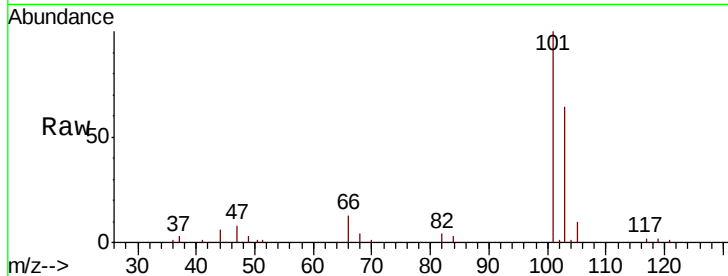
Trichlorofluoromethane
Concen: 20.018 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion: 101 Resp: 40561
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

Manual Integrations
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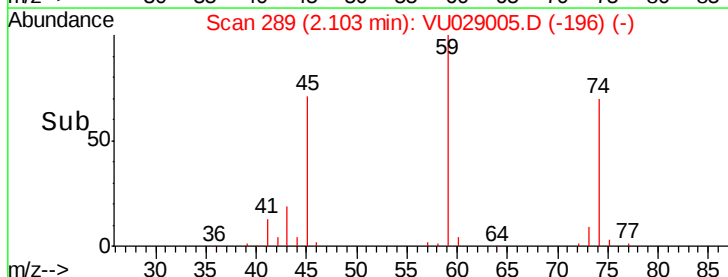
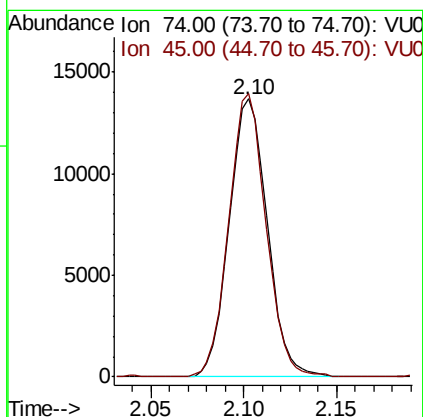
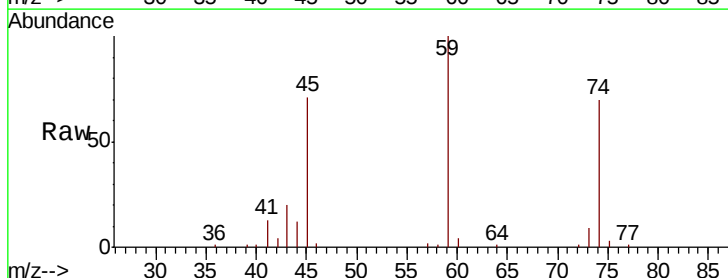
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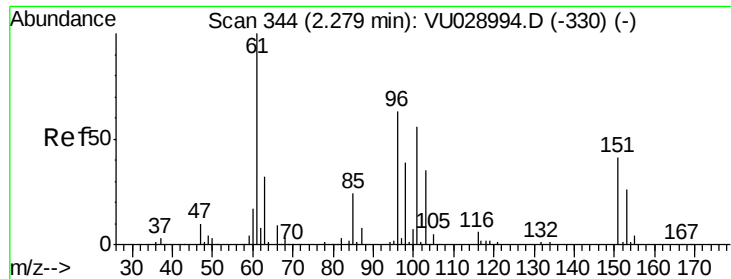


#8

Diethyl Ether
Concen: 20.053 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 74 Resp: 19520
Ion Ratio Lower Upper
74 100
45 99.6 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.390 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

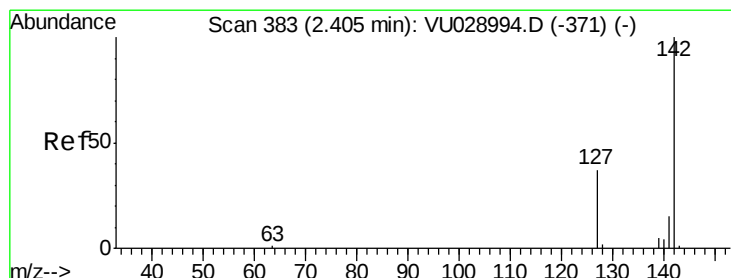
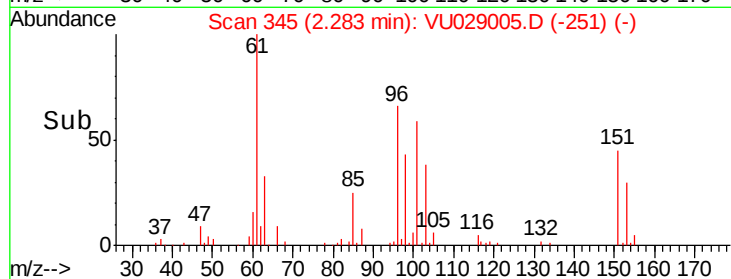
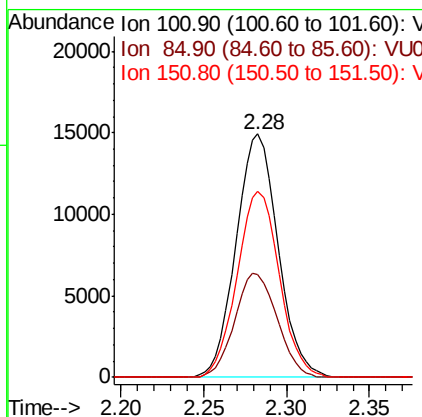
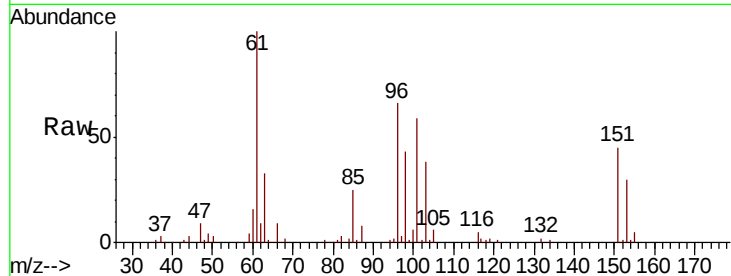
ClientSampleId :

VU0103WBSD01

Tgt Ion:	101	Resp:	26288
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.1	52.7
151	76.8	60.2	90.2

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#10

Methyl Iodide

Concen: 21.293 ug/l

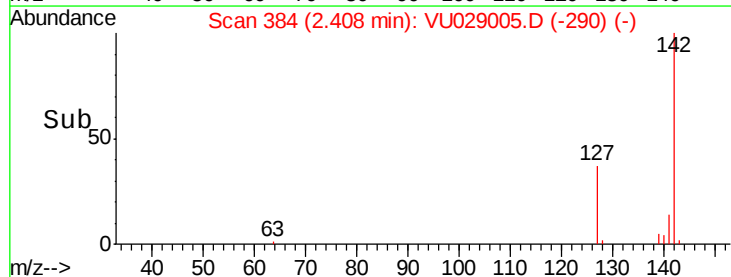
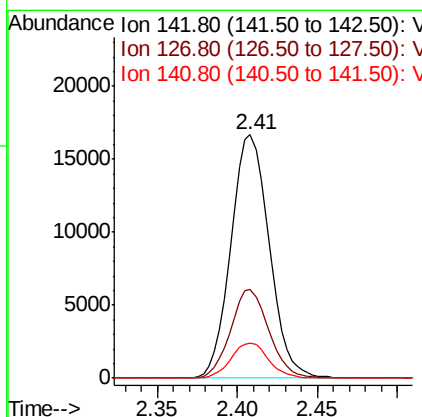
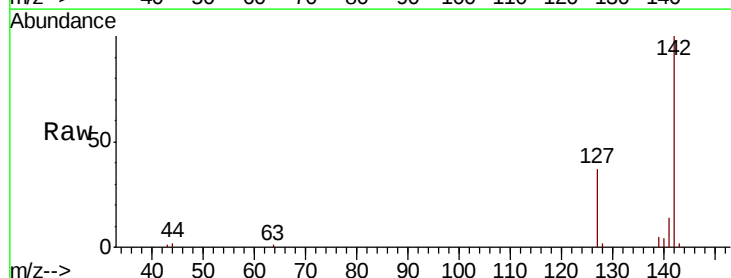
RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion:	142	Resp:	27143
Ion Ratio	Lower	Upper	
142	100		
127	36.5	29.8	44.6
141	14.1	11.5	17.3





#11

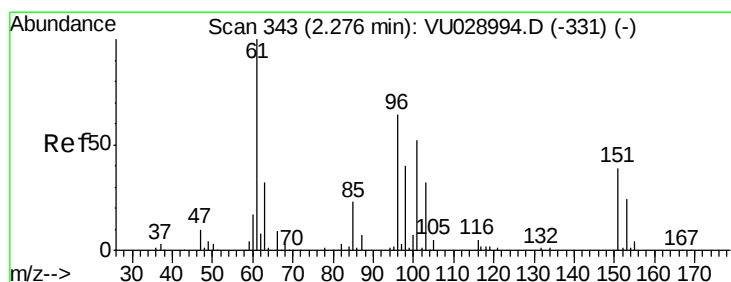
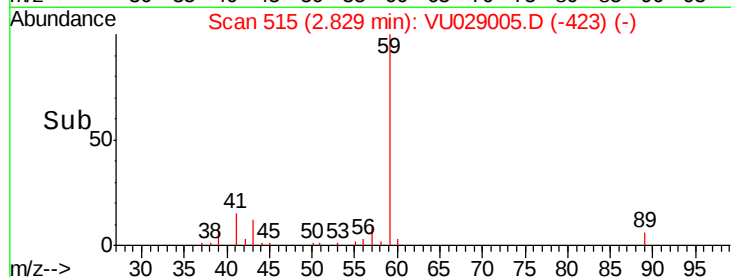
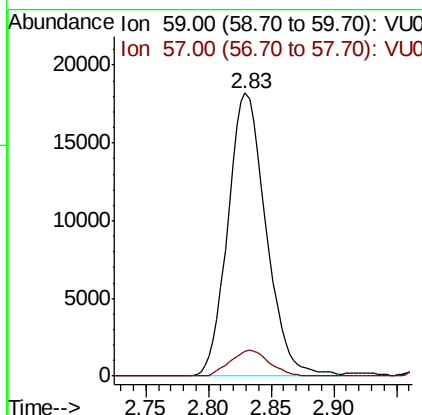
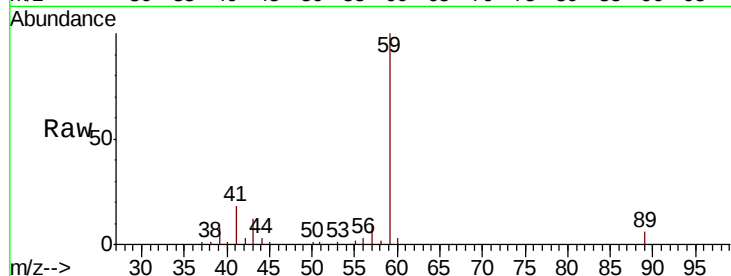
Tert butyl alcohol
 Concen: 96.306 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.9	11.9

Manual Integrations
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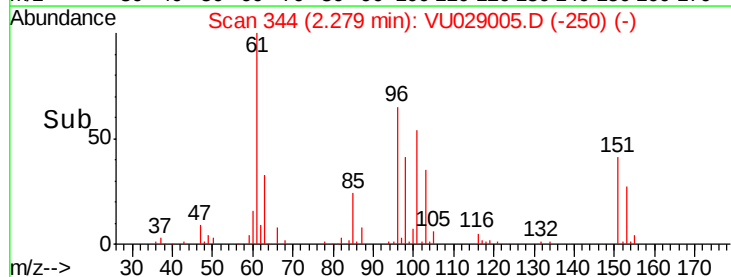
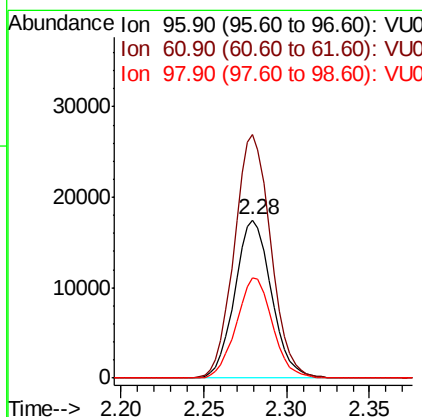
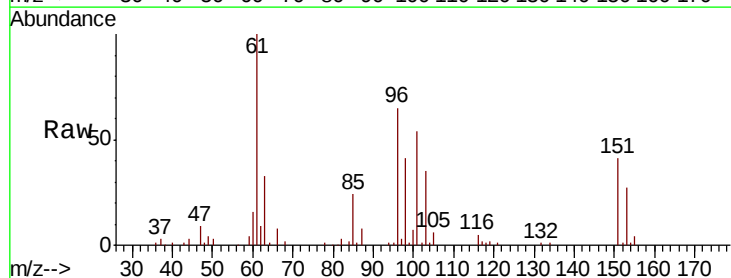
MMDadoda
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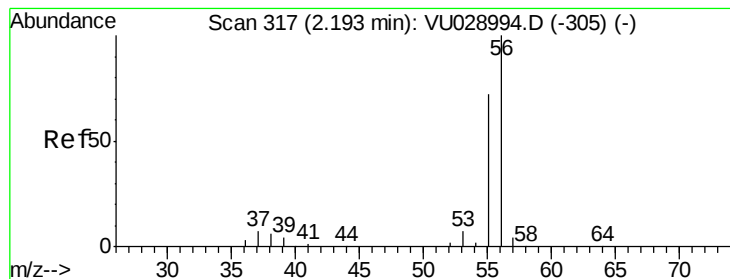


#12

1,1-Dichloroethene
 Concen: 20.384 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	125.4	188.0
98	63.4	49.7	74.5





#13

Acrolein

Concen: 96.954 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 56 Resp: 29106

Ion Ratio Lower Upper

56 100

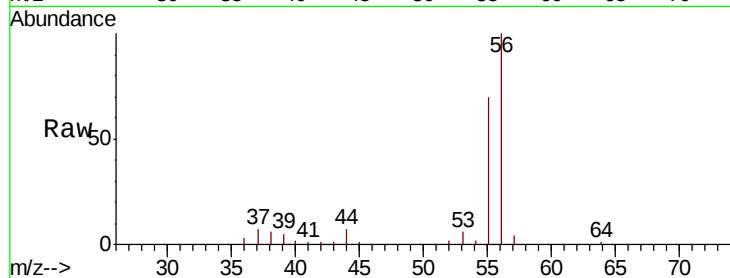
55 69.9 56.5 84.7

Manual Integrations

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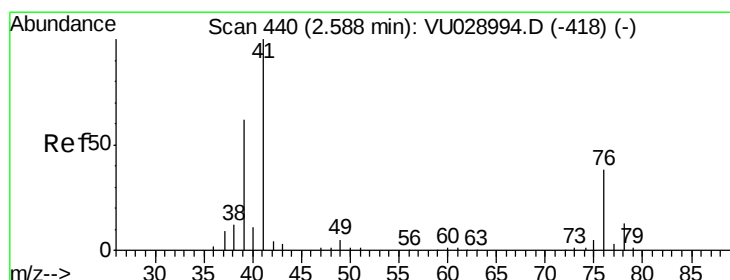
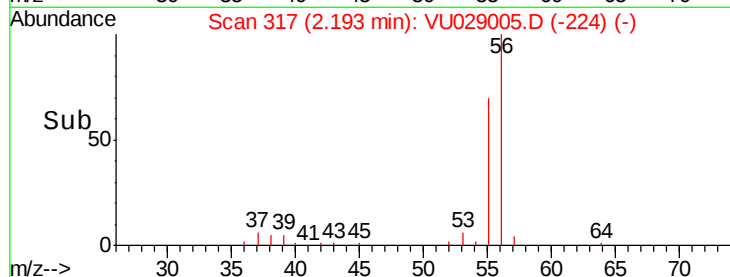
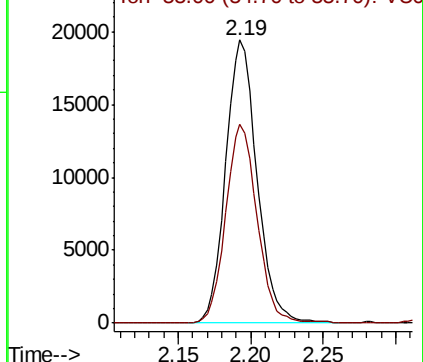
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.519 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

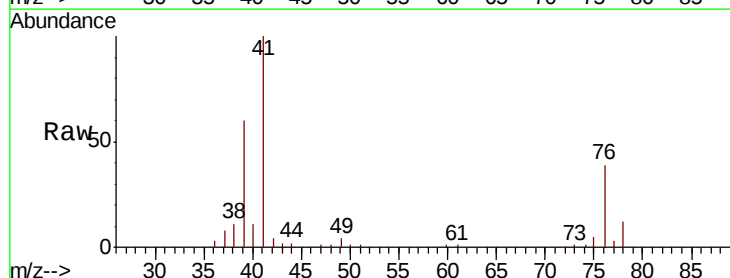
Tgt Ion: 41 Resp: 44839

Ion Ratio Lower Upper

41 100

39 62.6 45.0 67.6

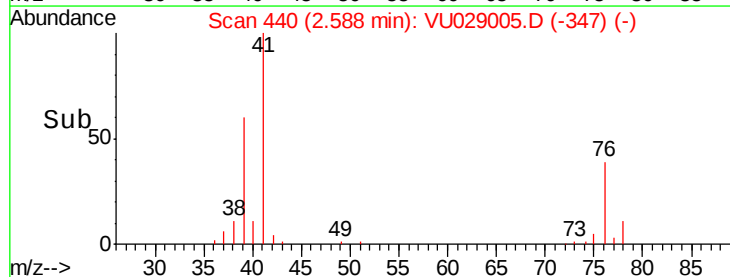
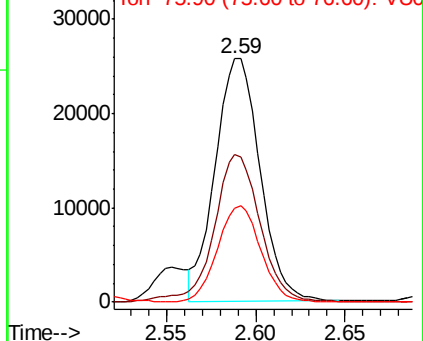
76 38.6 28.1 42.1

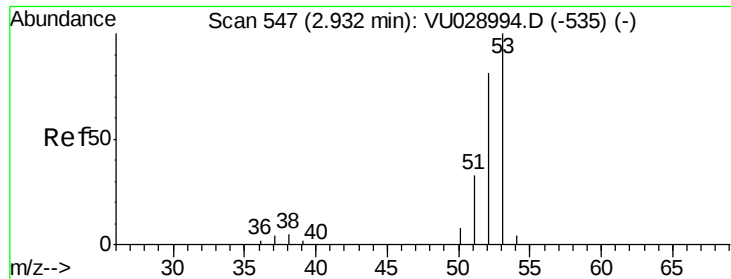


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





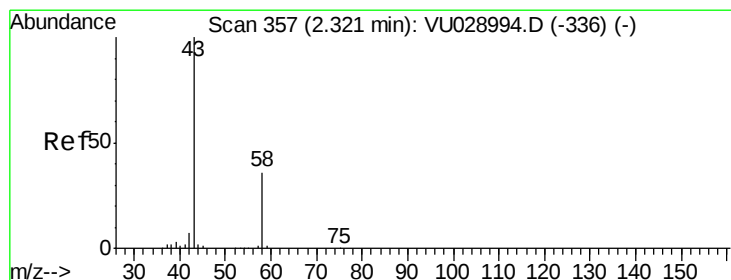
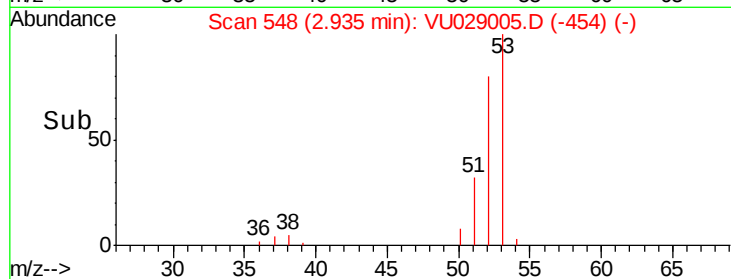
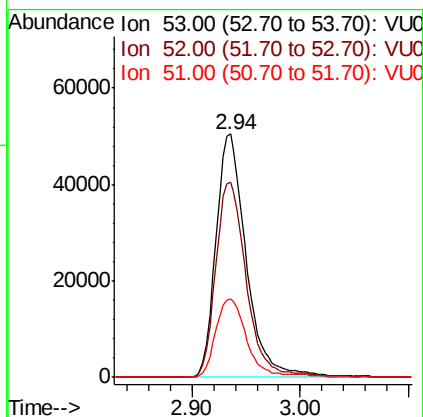
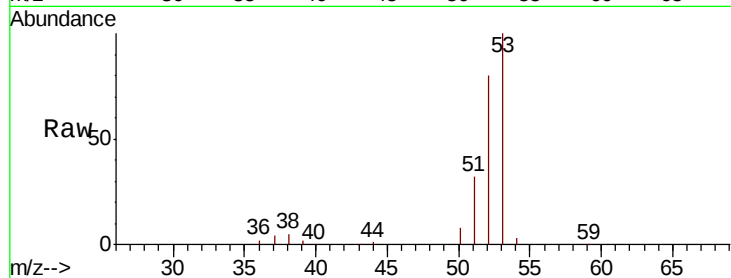
#15
 Acrylonitrile
 Concen: 100.587 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion:	53	Resp:	98660
Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.8	97.2
51	33.5	27.3	40.9

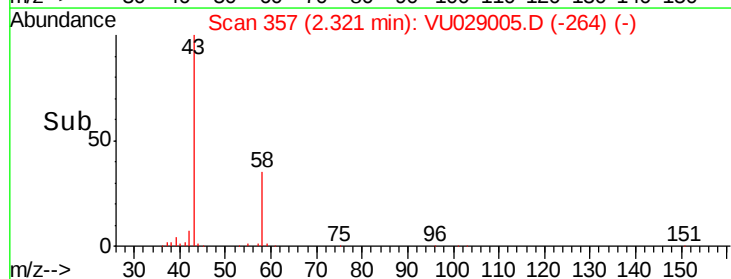
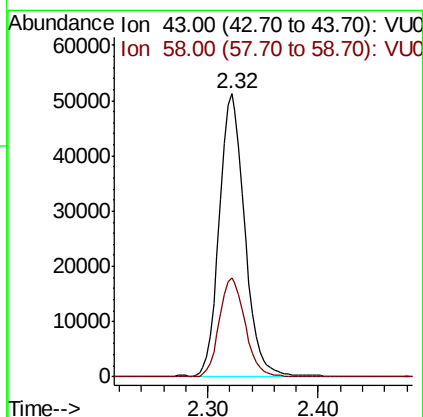
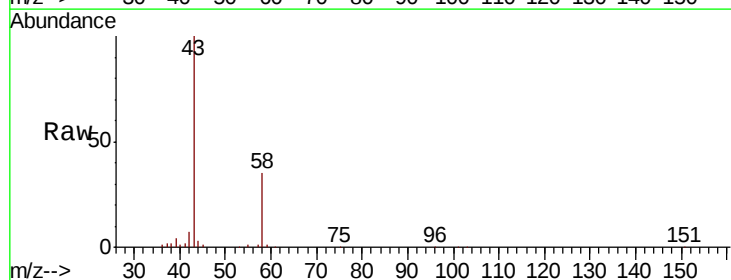
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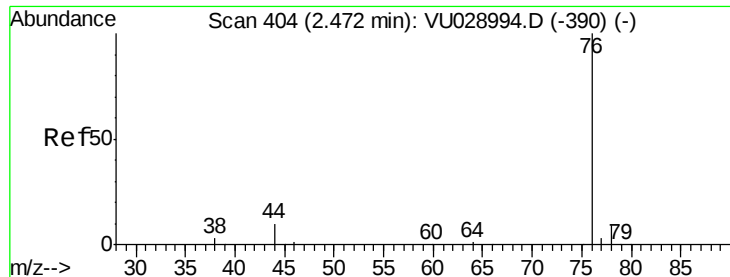
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#16
 Acetone
 Concen: 81.846 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion:	43	Resp:	81096
Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.6	42.8





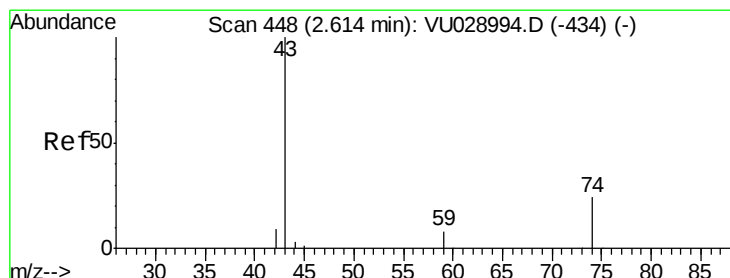
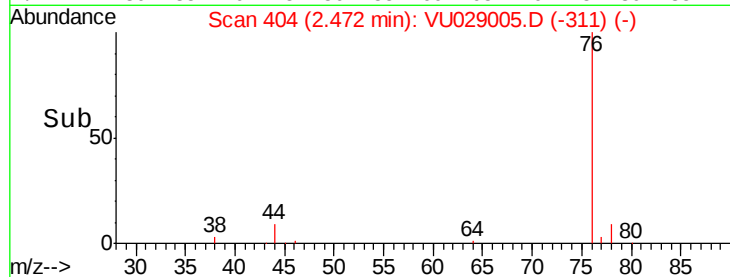
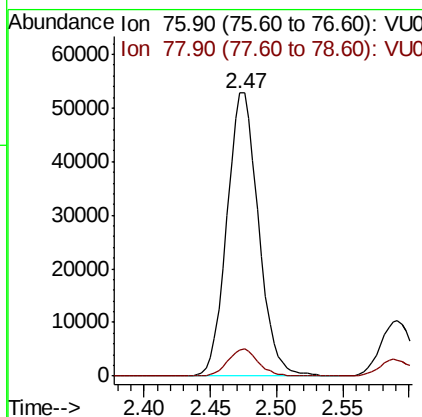
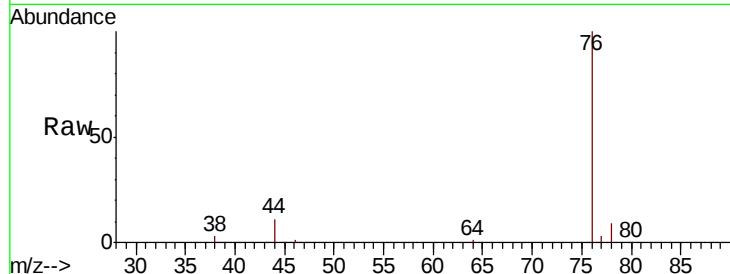
#17
Carbon Disulfide
Concen: 19.678 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion: 76 Resp: 87463
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

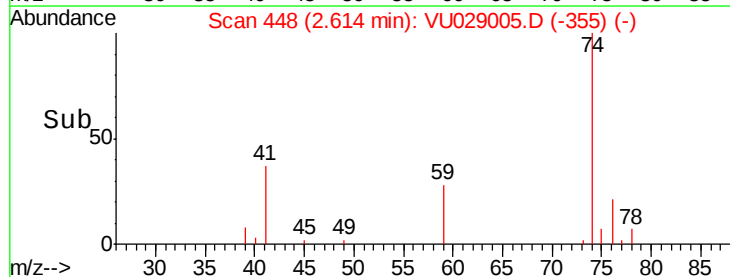
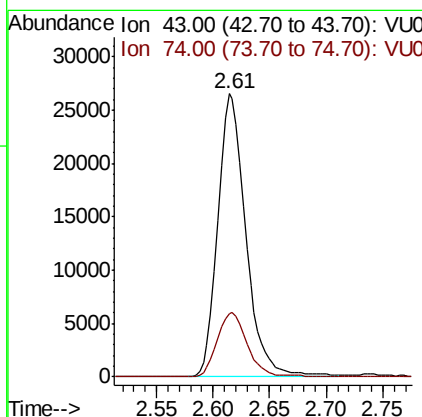
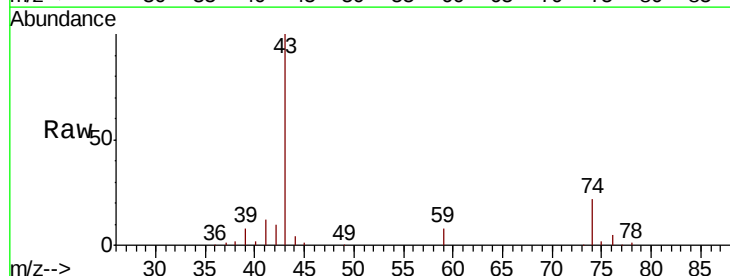
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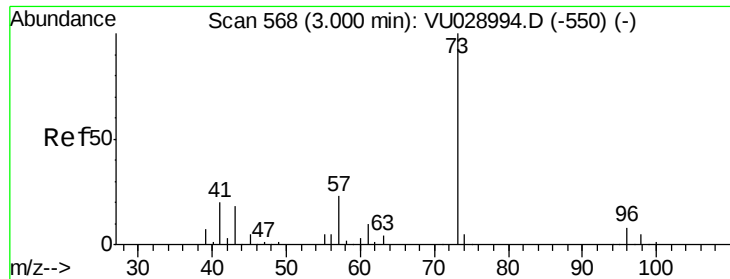
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#18
Methyl Acetate
Concen: 19.955 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 43 Resp: 45974
Ion Ratio Lower Upper
43 100
74 24.1 19.5 29.3





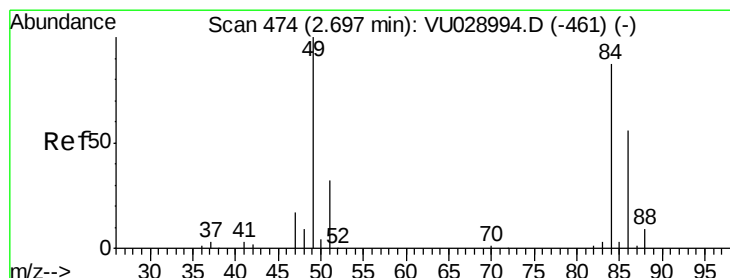
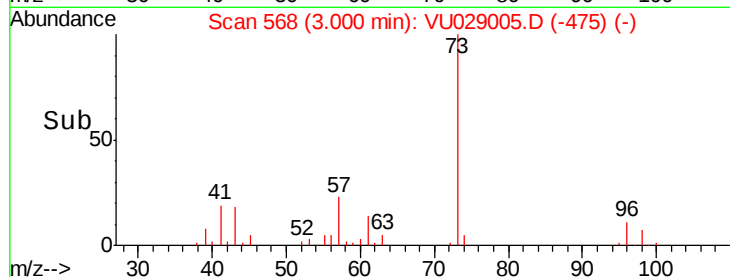
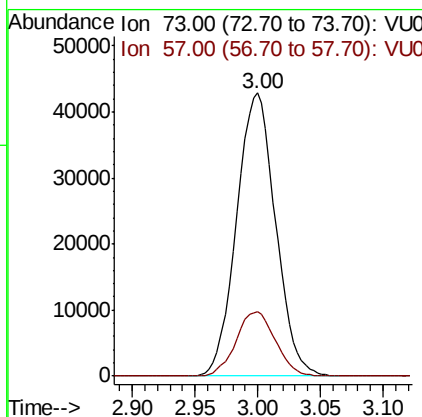
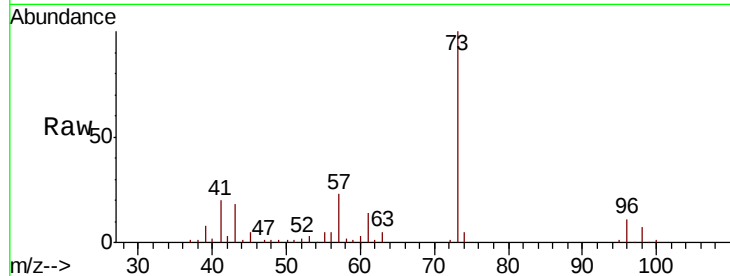
#19
Methyl tert-butyl Ether
Concen: 20.012 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion: 73 Resp: 92842
Ion Ratio Lower Upper
73 100
57 22.7 18.6 28.0

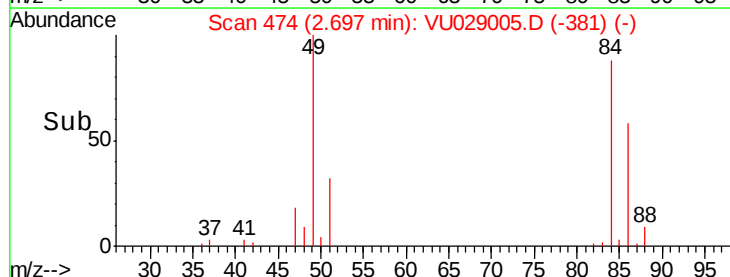
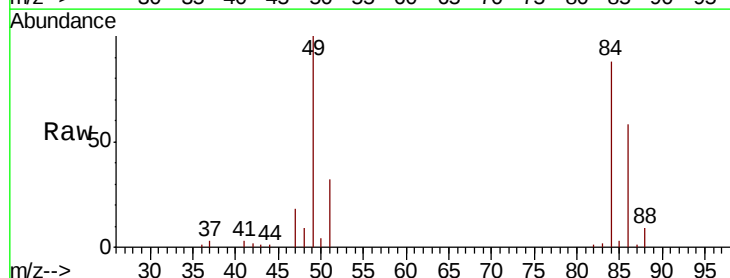
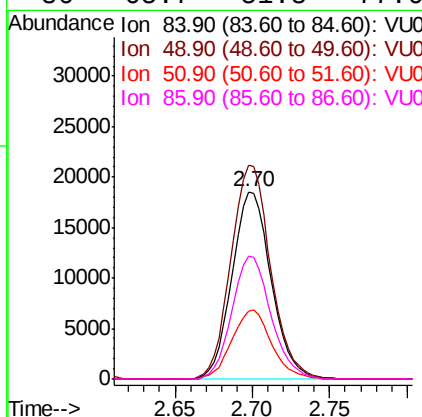
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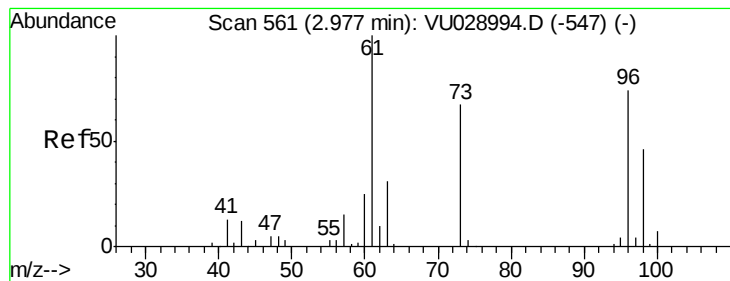
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#20
Methylene Chloride
Concen: 19.346 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 84 Resp: 32546
Ion Ratio Lower Upper
84 100
49 113.9 91.9 137.9
51 36.0 29.2 43.8
86 65.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.519 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 96 Resp: 29925

Ion Ratio Lower Upper

96 100

61 131.8 107.7 161.5

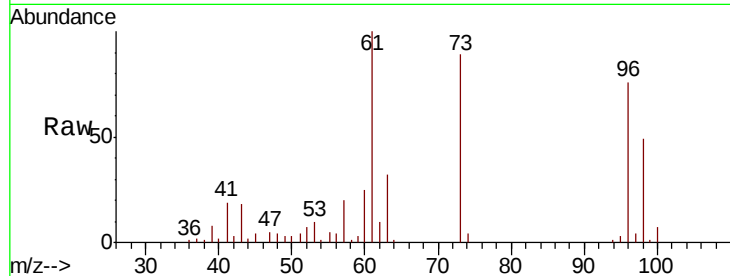
98 64.0 49.2 73.8

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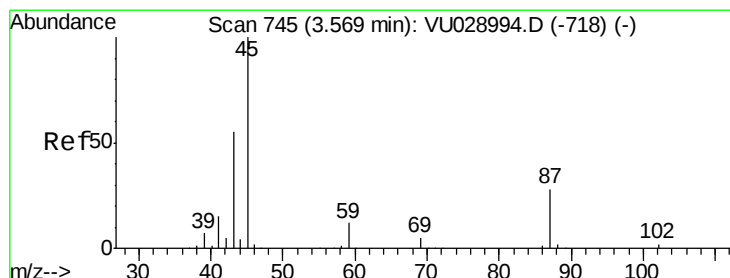
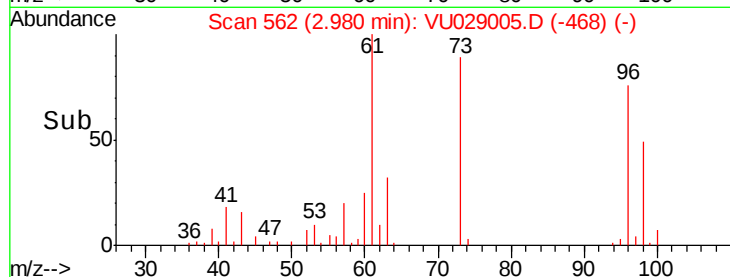
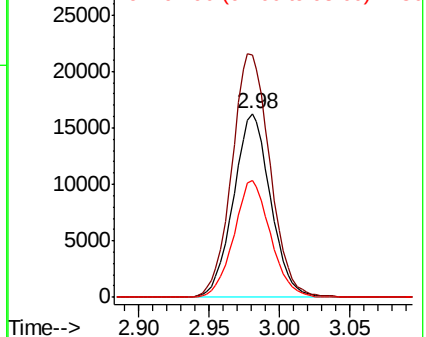


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.462 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion: 45 Resp: 97916

Ion Ratio Lower Upper

45 100

43 57.4 44.7 67.1

87 26.8 22.2 33.2

59 11.9 9.8 14.8

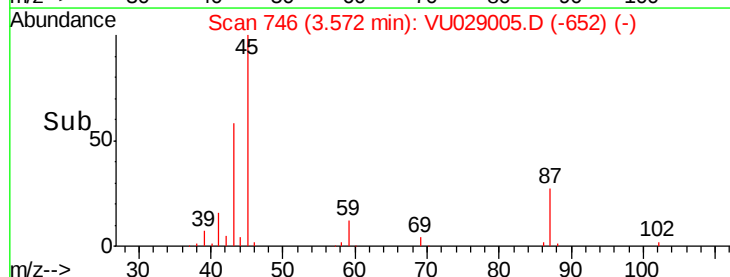
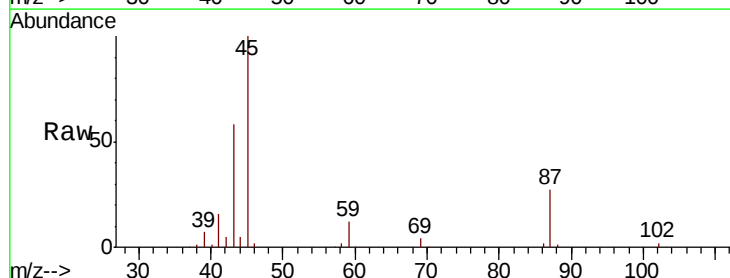
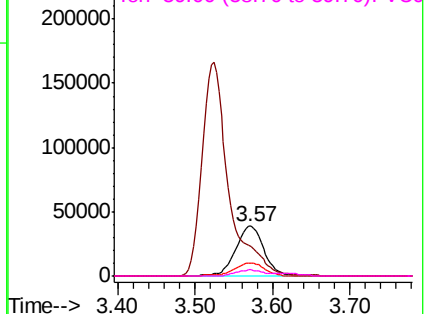
Abundance

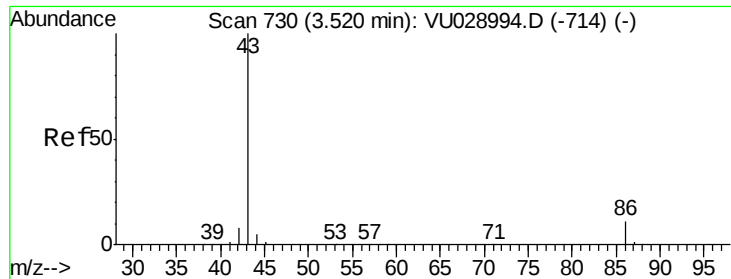
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





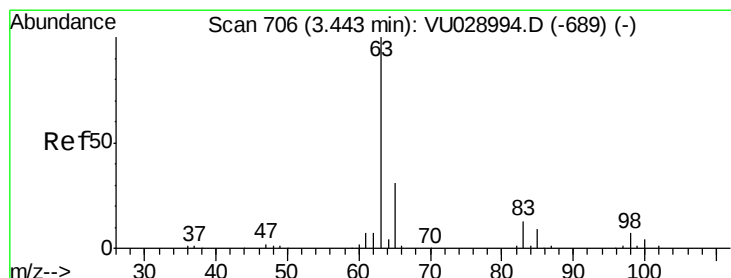
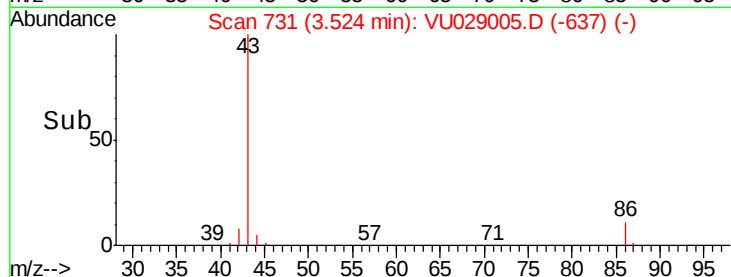
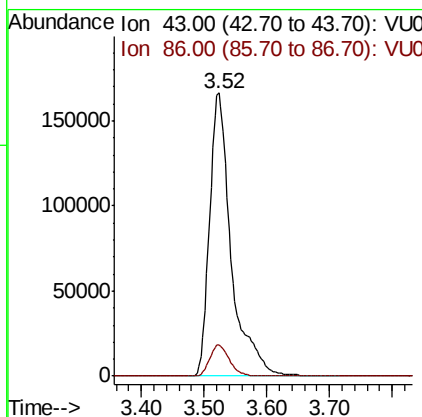
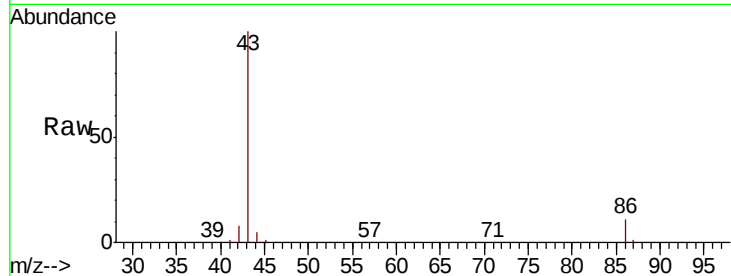
#23
 Vinyl Acetate
 Concen: 102.519 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion: 43 Resp: 401054
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

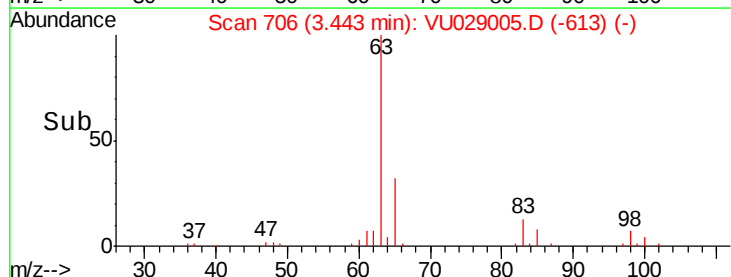
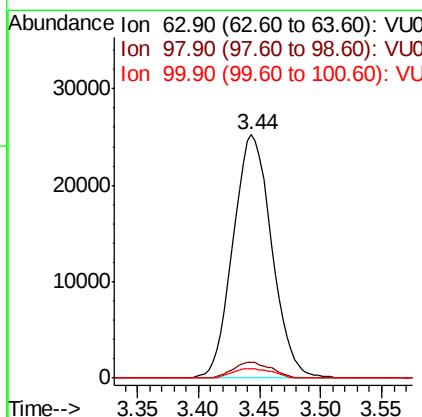
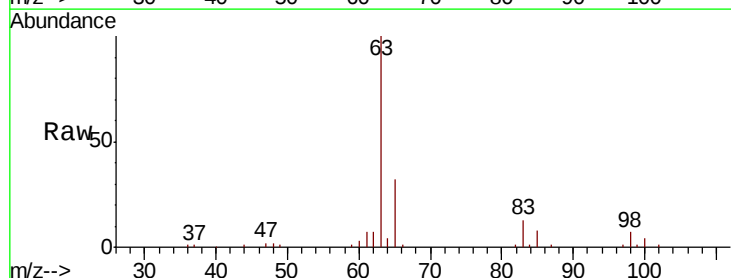
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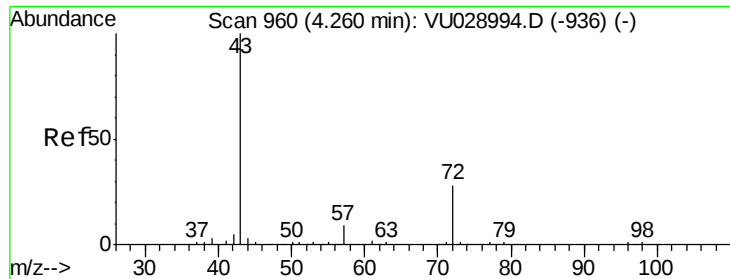
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#24
 1,1-Dichloroethane
 Concen: 20.064 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 63 Resp: 55426
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 95.677 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 43 Resp: 128042

Ion Ratio Lower Upper

43 100

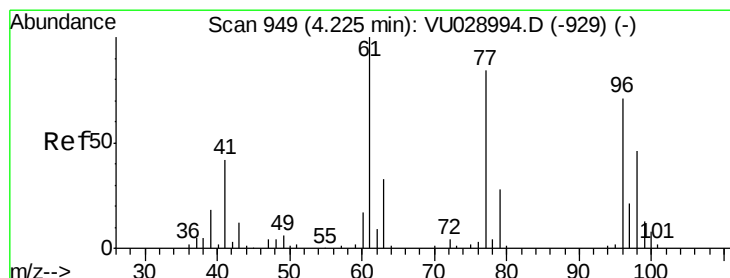
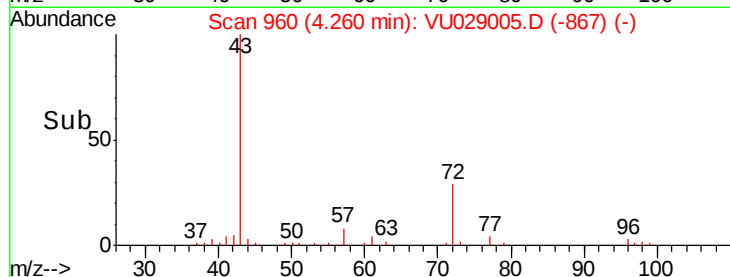
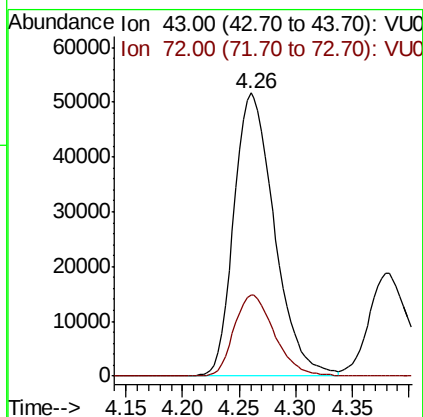
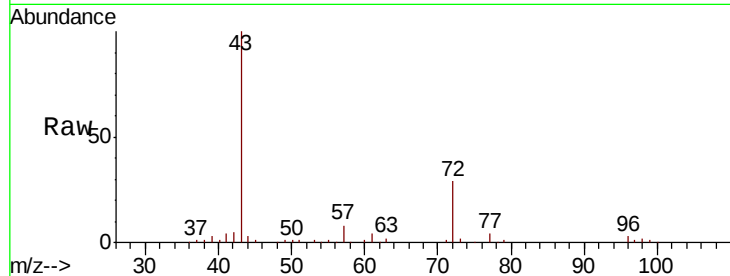
72 28.8 22.6 33.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.330 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029005.D

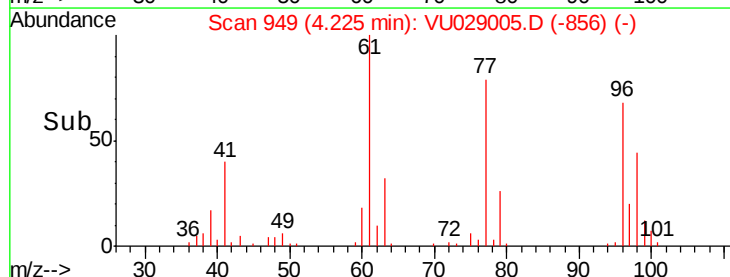
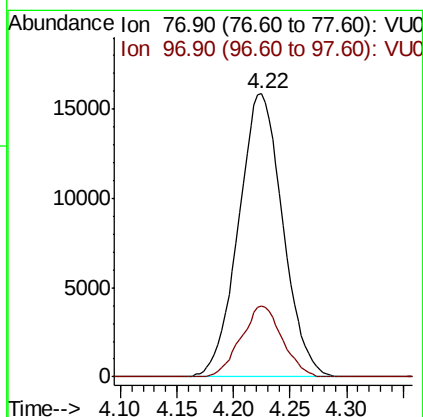
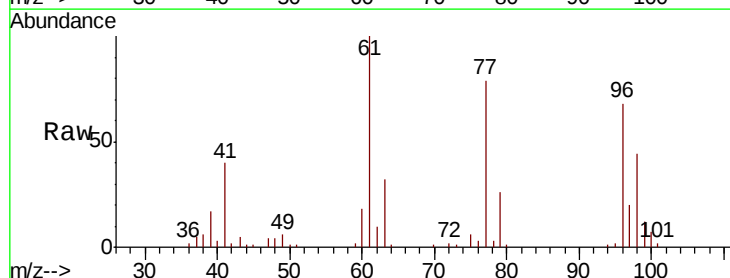
Acq: 03 Jan 2019 18:25

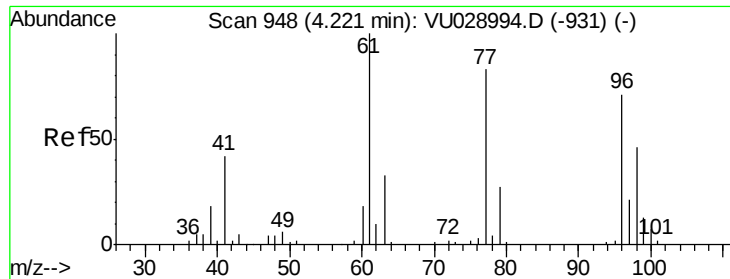
Tgt Ion: 77 Resp: 43146

Ion Ratio Lower Upper

77 100

97 23.4 12.0 36.1





#27

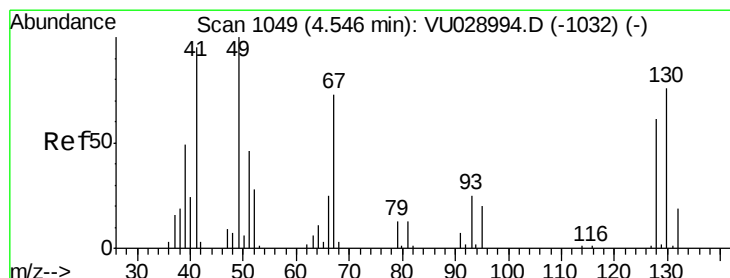
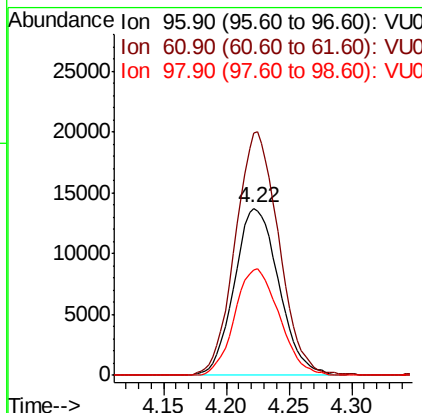
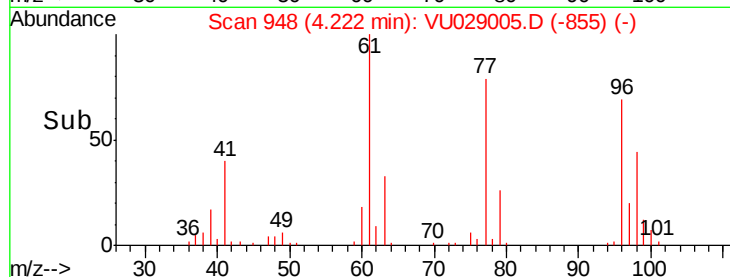
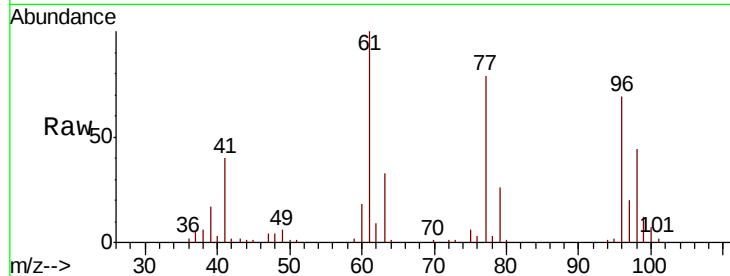
cis-1,2-Dichloroethene
Concen: 20.224 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	33912		
61	142.3	0.0	285.6	
98	63.7	0.0	130.2	

Manual Integrations
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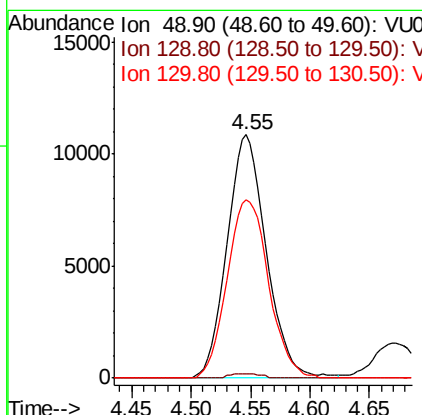
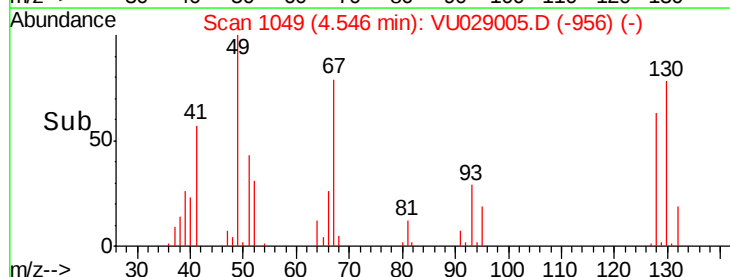
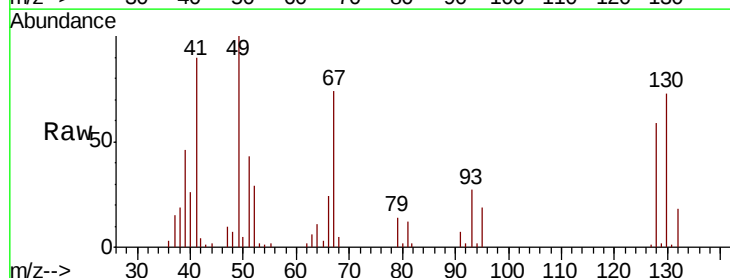
MMDadoda
1/4/2019 9:51:28 AM

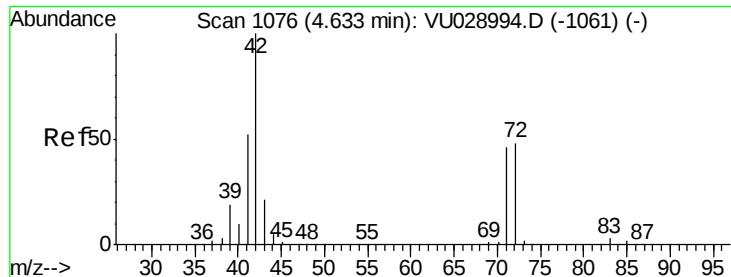


#28

Bromochloromethane
Concen: 20.932 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24759		
129	1.4	0.0	3.4	
130	77.5	62.9	94.3	





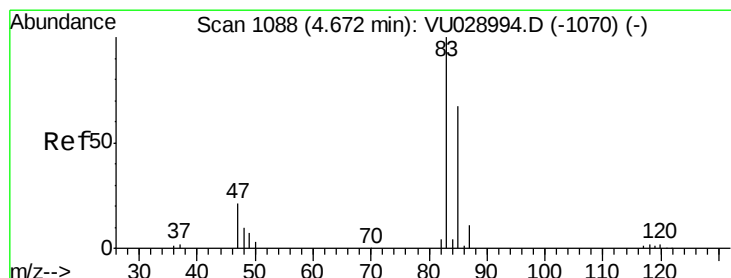
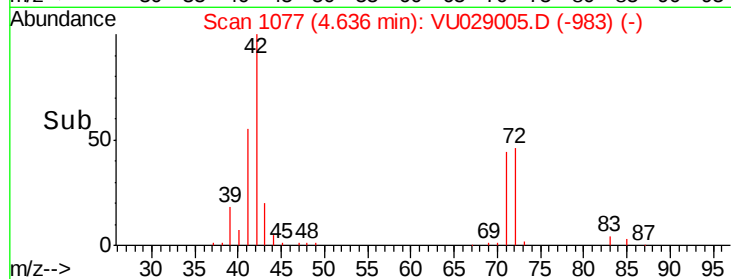
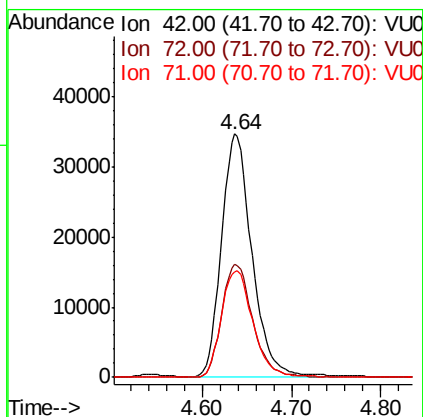
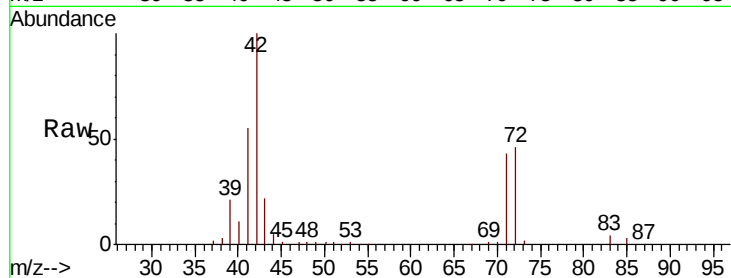
#29
Tetrahydrofuran
Concen: 100.182 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.6	38.3	57.5
71	45.6	36.1	54.1

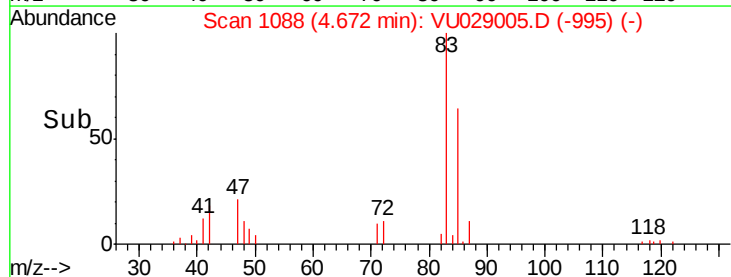
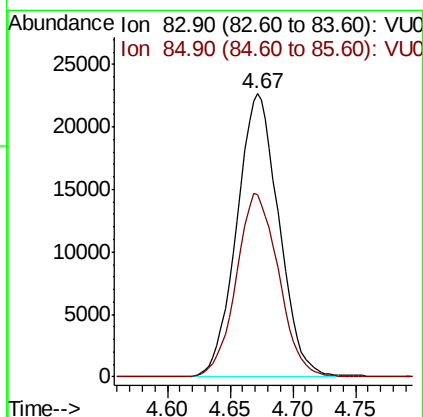
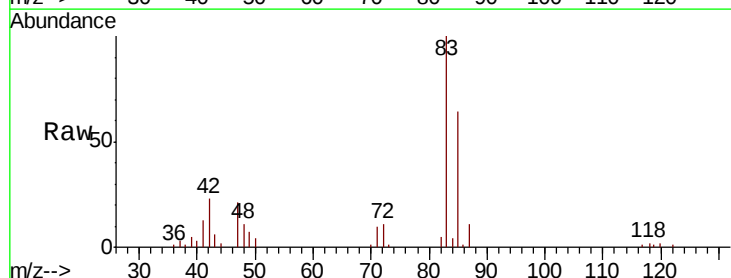
Manual Integrations
APPROVED

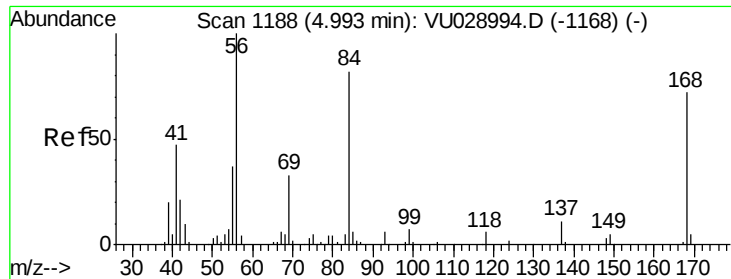
MMDadoda
1/4/2019 9:51:28 AM



#30
Chloroform
Concen: 20.093 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.4	80.0





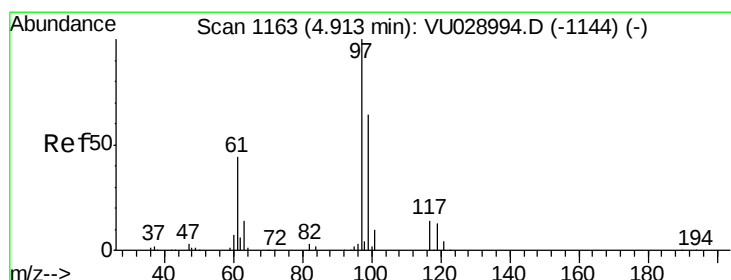
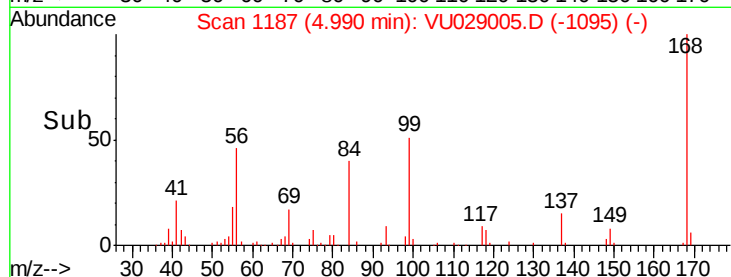
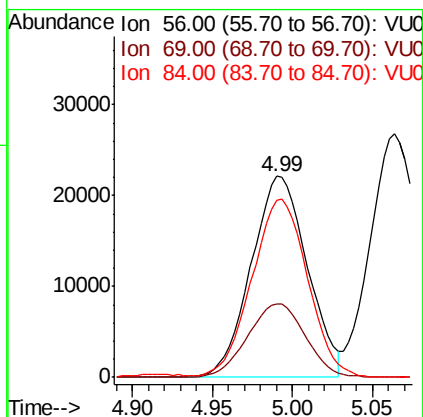
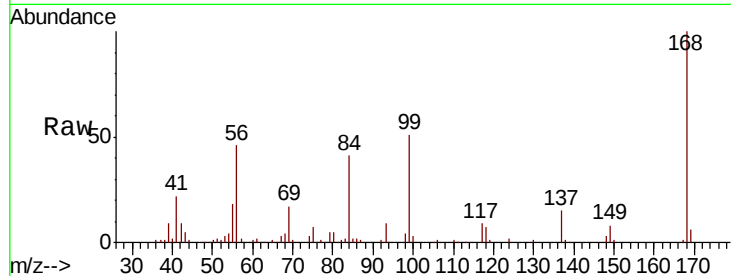
#31
Cyclohexane
Concen: 19.929 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.4	26.7	40.1
84	87.1	65.7	98.5

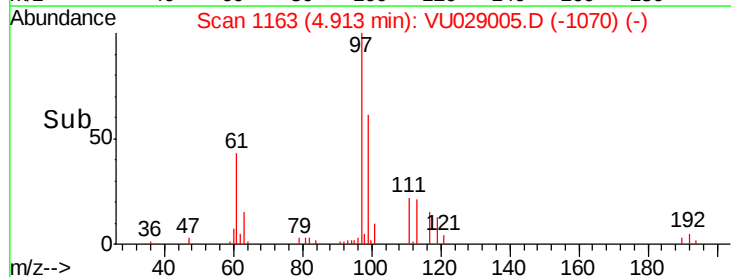
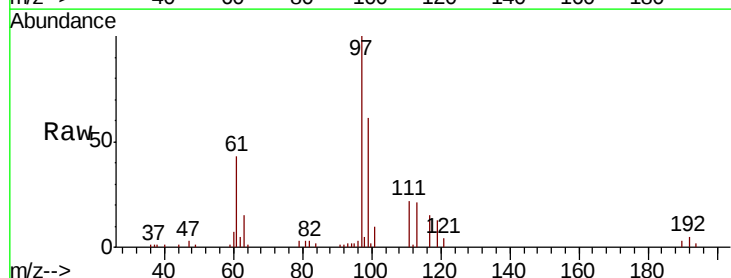
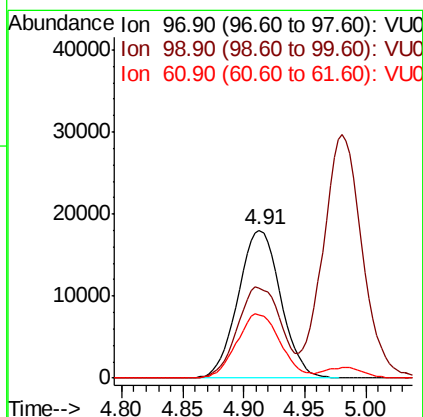
Manual Integrations
APPROVED

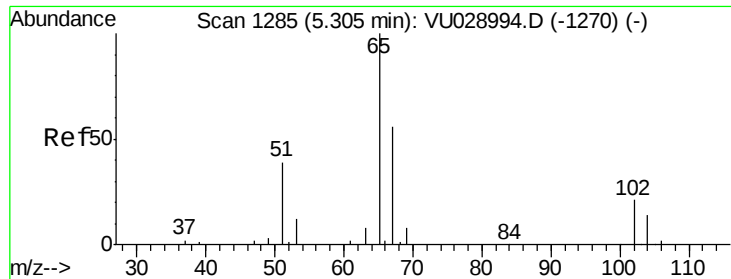
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.025 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	44.6	34.4	51.6





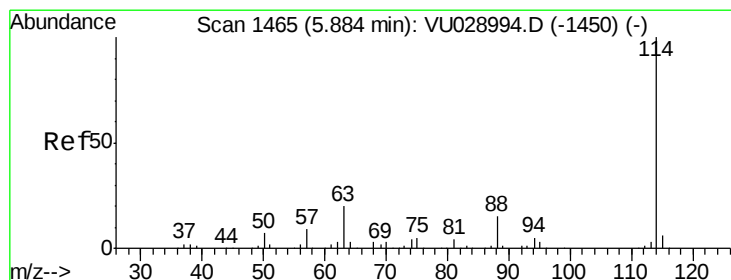
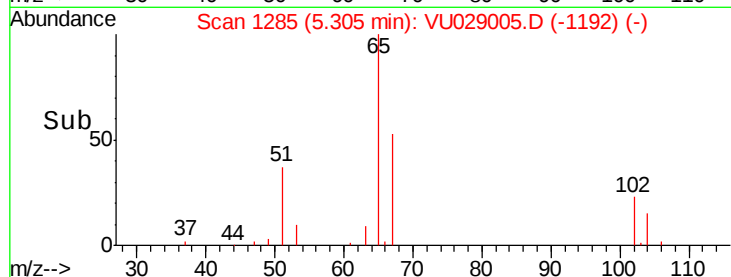
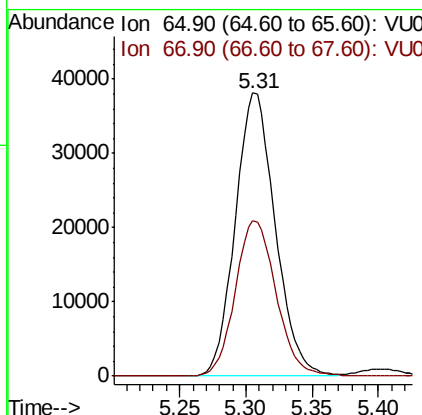
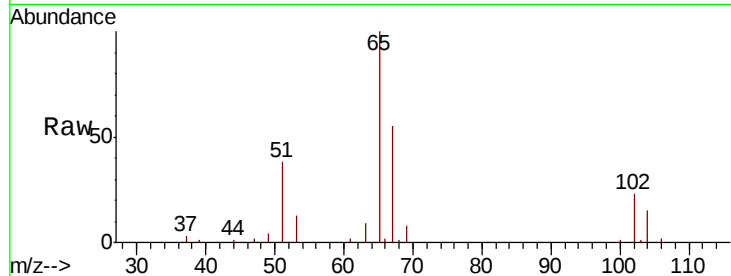
#33
 1,2-Dichloroethane-d4
 Concen: 50.886 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion: 65 Resp: 80036
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.0

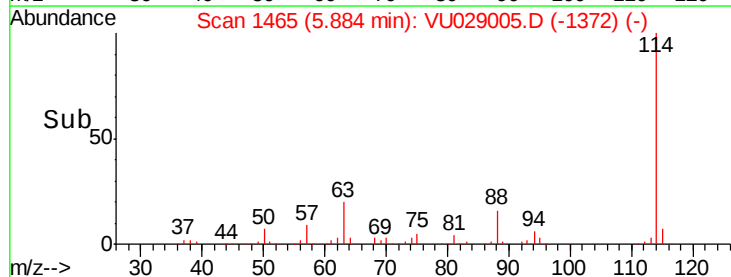
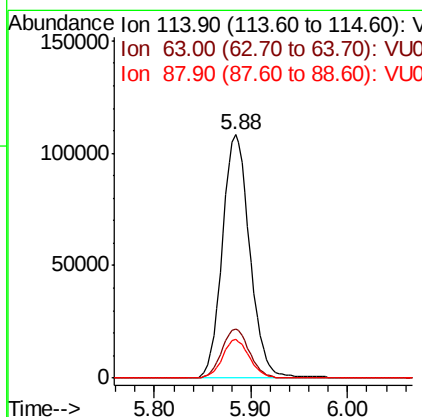
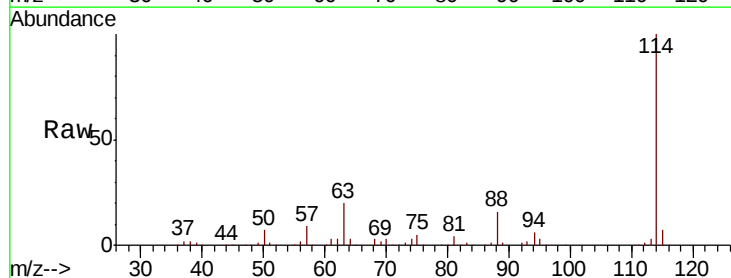
Manual Integrations
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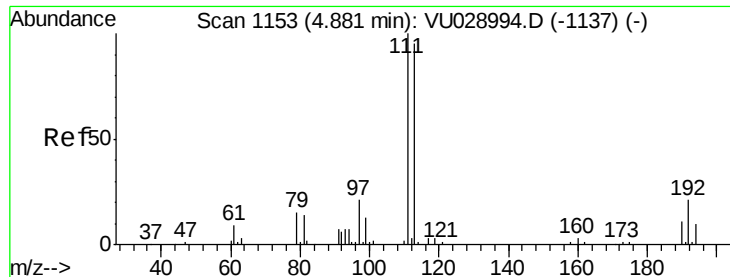
MMDadoda
 1/4/2019 9:51:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 114 Resp: 214015
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.7 0.0 30.4





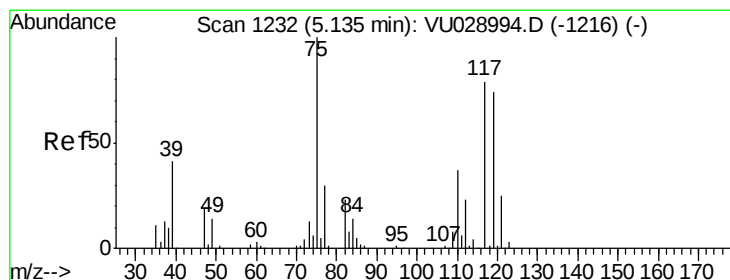
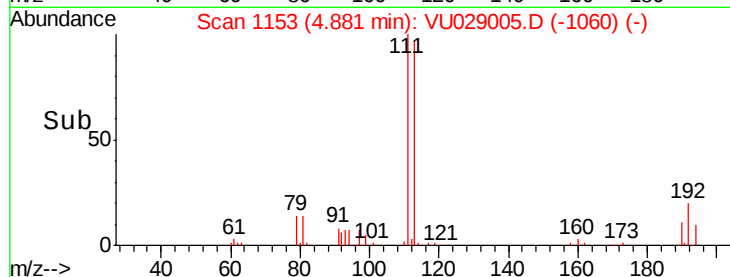
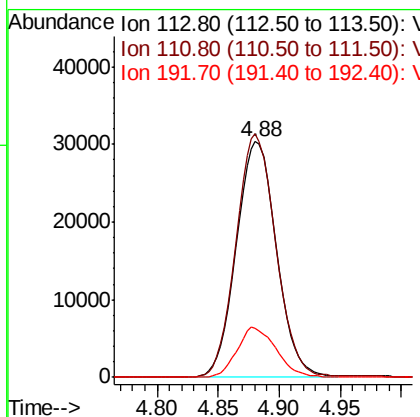
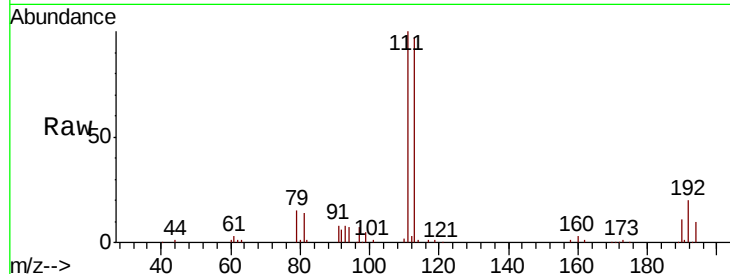
#35
 Dibromofluoromethane
 Concen: 49.910 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.2
192	20.7	16.8	25.2

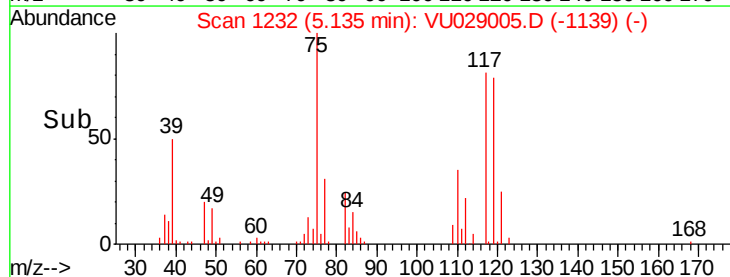
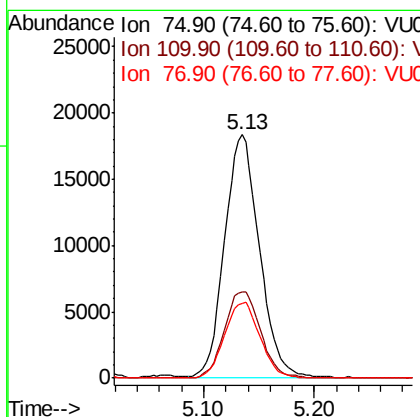
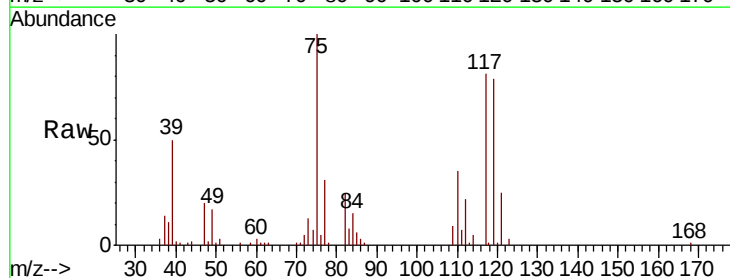
Manual Integrations
 APPROVED

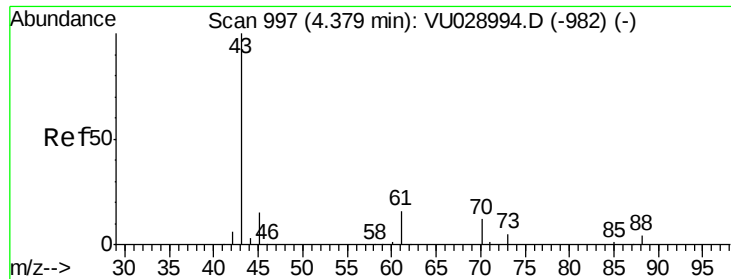
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#36
 1,1-Dichloropropene
 Concen: 18.871 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.4
77	31.3	25.1	37.7





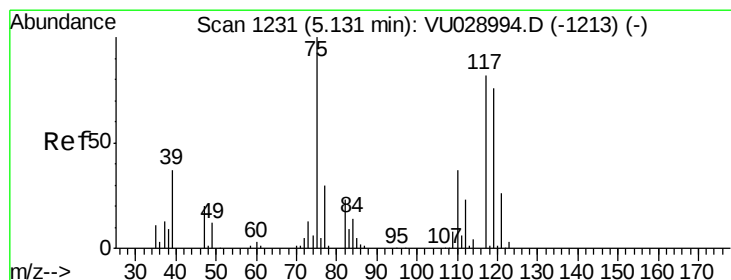
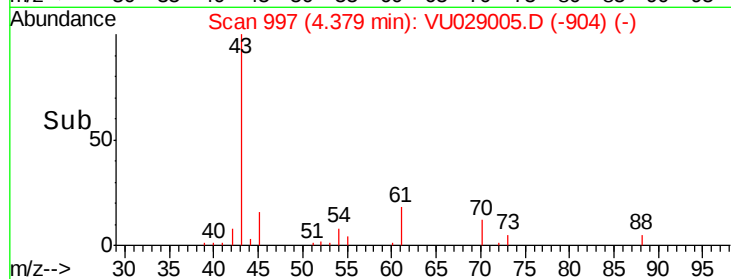
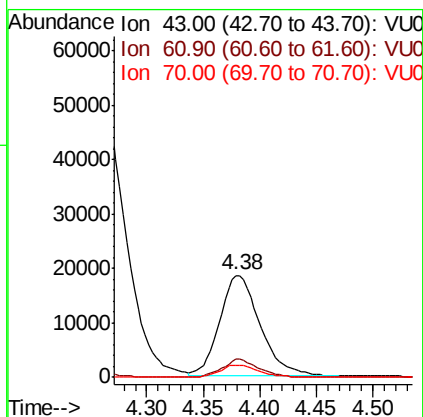
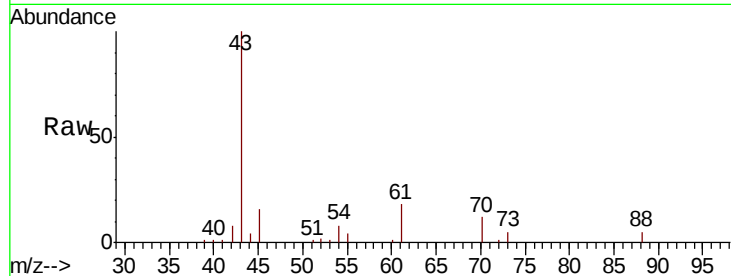
#37
Ethyl Acetate
Concen: 19.539 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.6	18.8
70	11.9	9.3	13.9

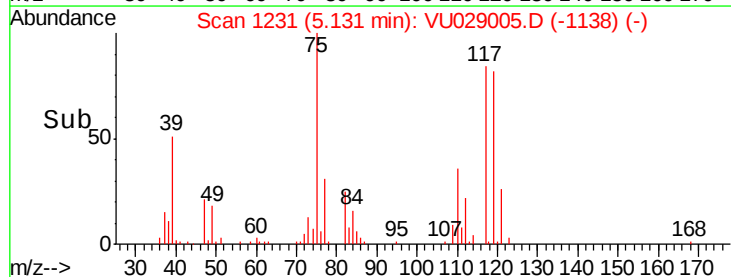
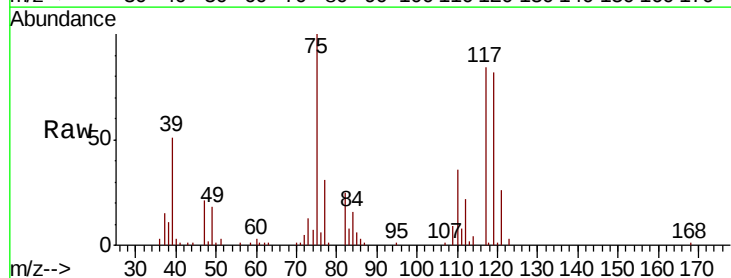
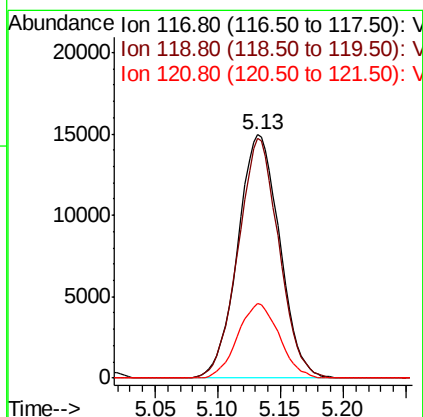
Manual Integrations
APPROVED

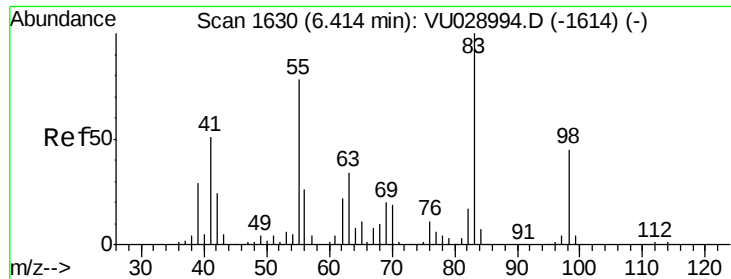
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#38
Carbon Tetrachloride
Concen: 19.475 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	74.6	111.8
121	30.8	25.0	37.6





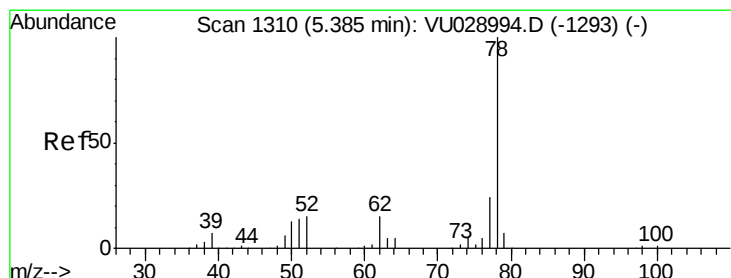
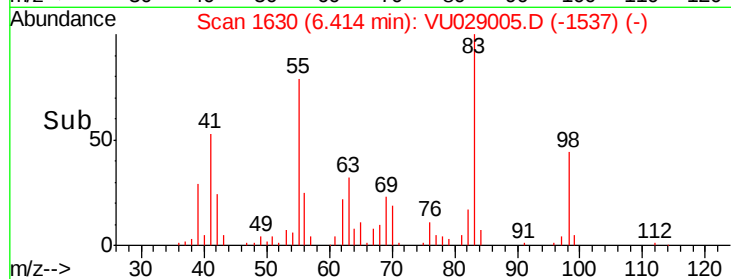
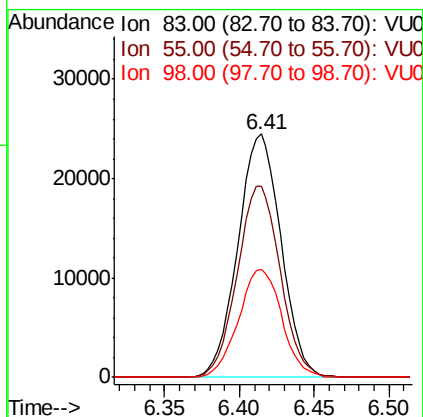
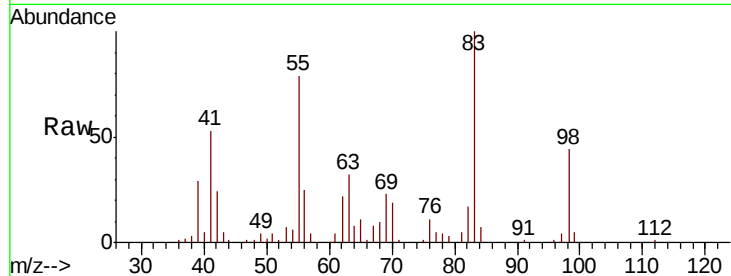
#39
Methylcyclohexane
Concen: 18.662 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.4	93.6
98	44.1	36.2	54.2

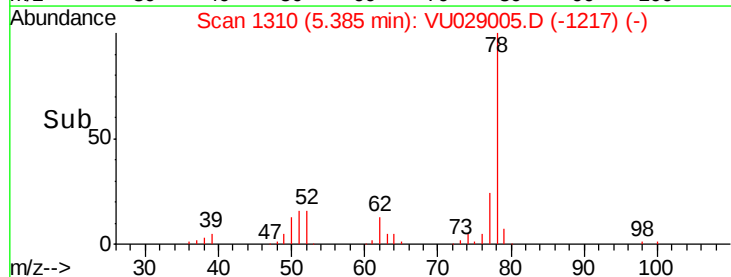
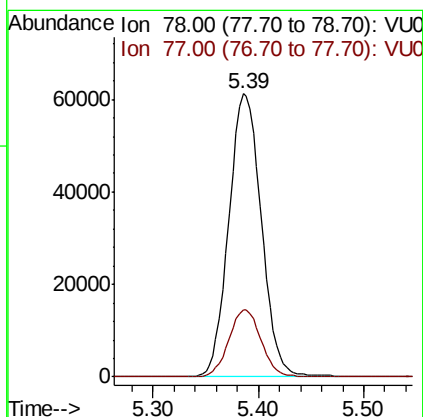
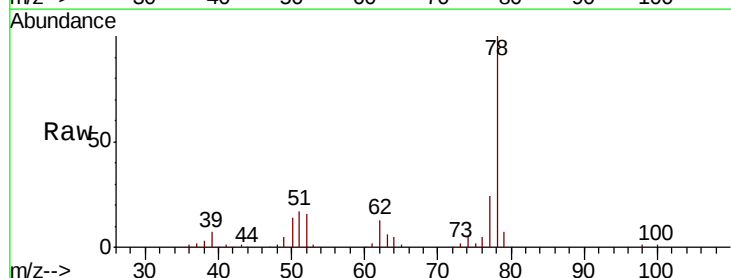
Manual Integrations
APPROVED

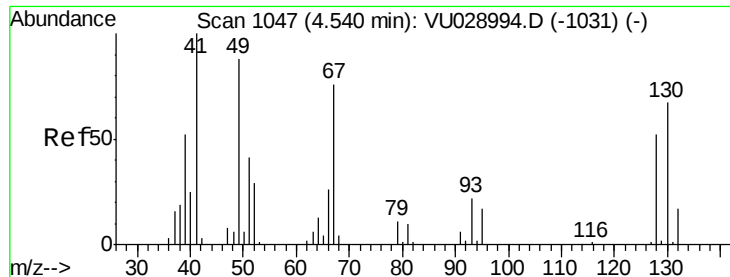
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#40
Benzene
Concen: 19.644 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





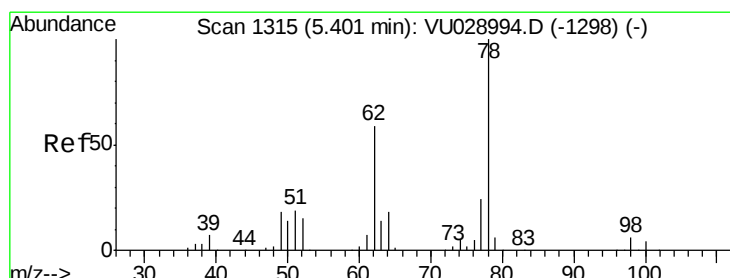
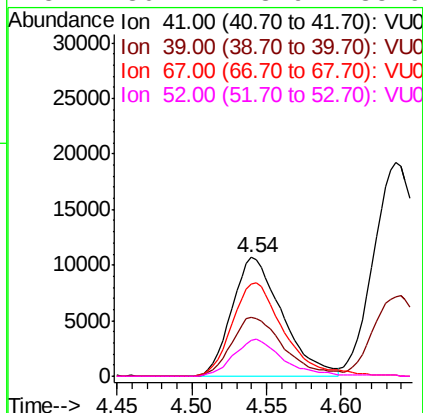
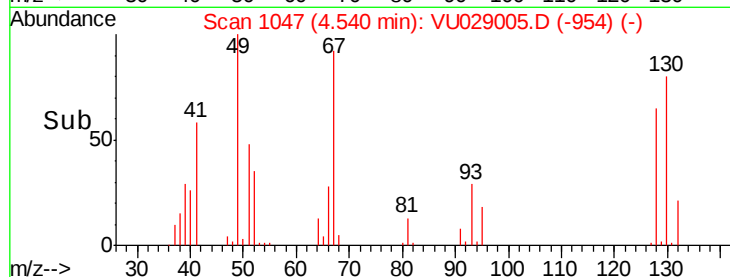
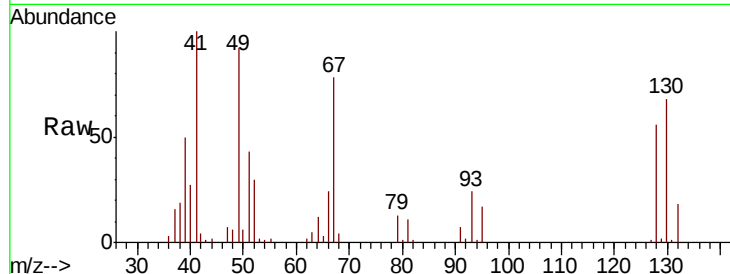
#41
Methacrylonitrile
Concen: 19.924 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	42.3	63.5	
67	80.6	64.4	96.6	
52	30.4	23.9	35.9	

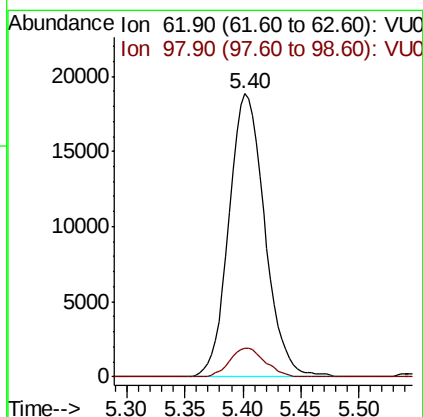
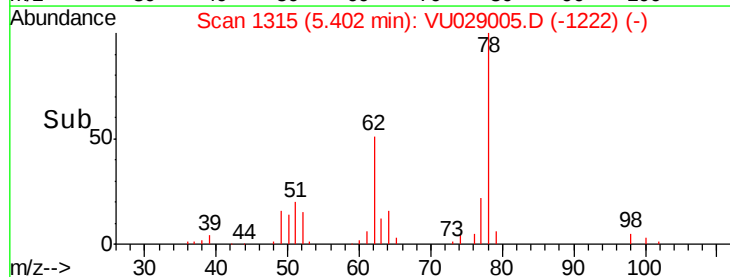
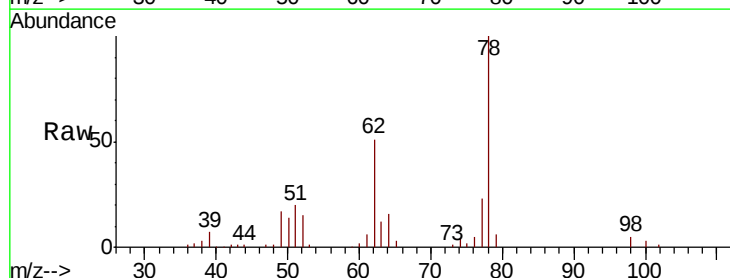
Manual Integrations
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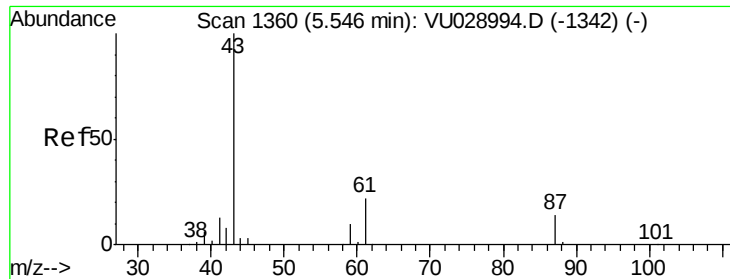
MMDadoda
1/4/2019 9:51:28 AM



#42
1,2-Dichloroethane
Concen: 20.083 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.6	





#43

Isopropyl Acetate

Concen: 20.360 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

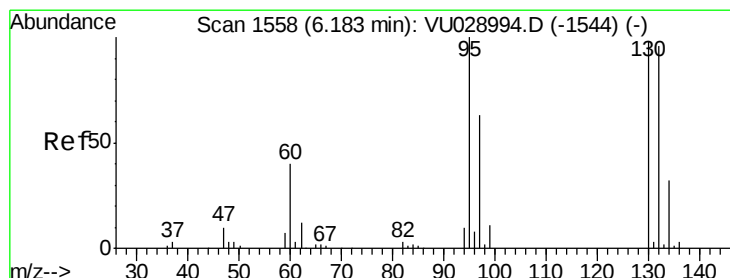
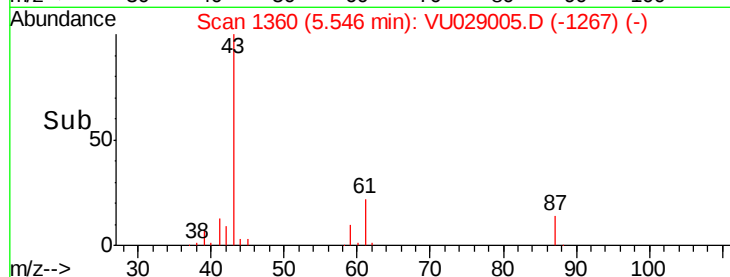
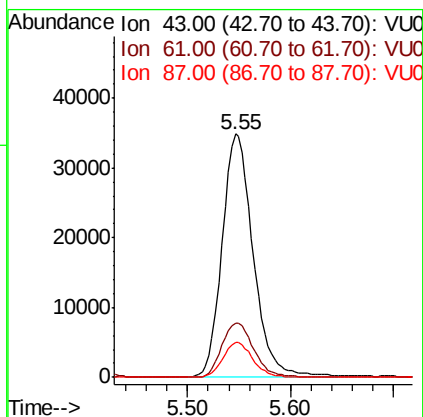
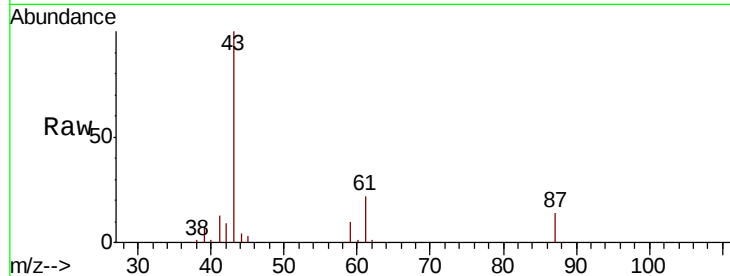
ClientSampleId :

VU0103WBSD01

Tgt Ion:	43	Resp:	73336
Ion	Ratio	Lower	Upper
43	100		
61	22.8	17.8	26.6
87	13.7	11.3	16.9

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#44

Trichloroethene

Concen: 19.151 ug/l

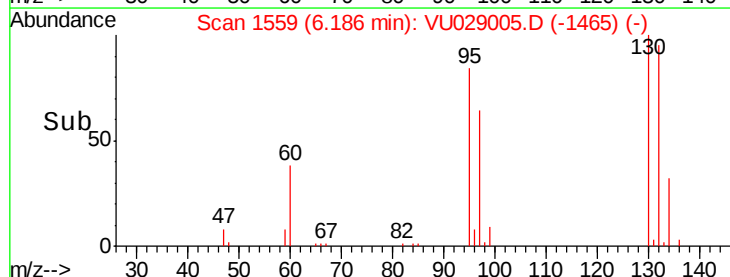
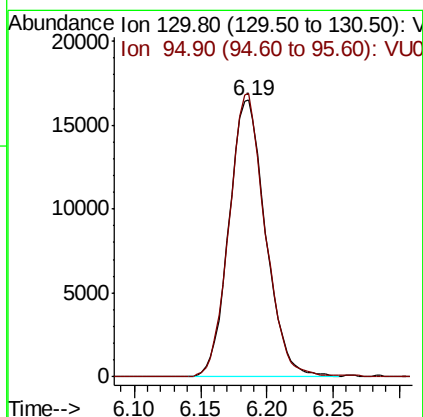
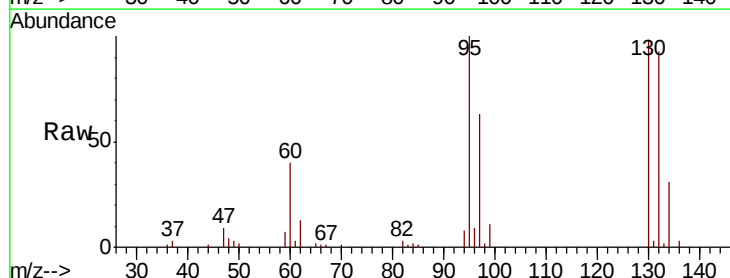
RT: 6.19 min Scan# 1559

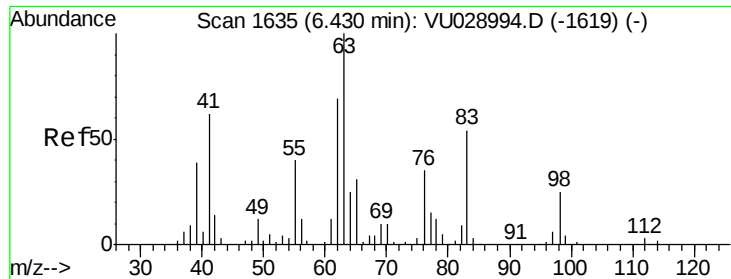
Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion:	130	Resp:	31662
Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	205.0





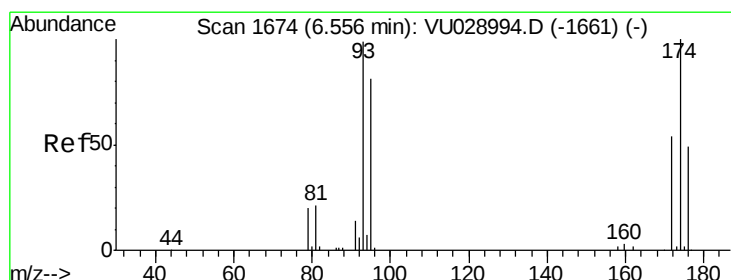
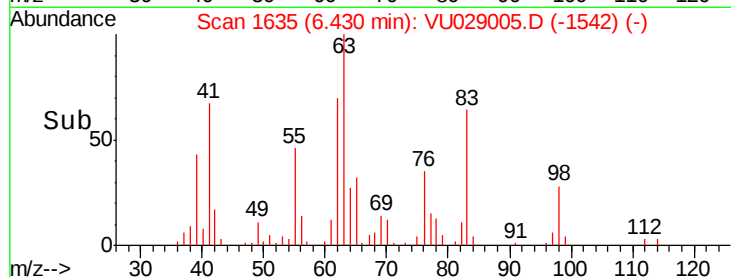
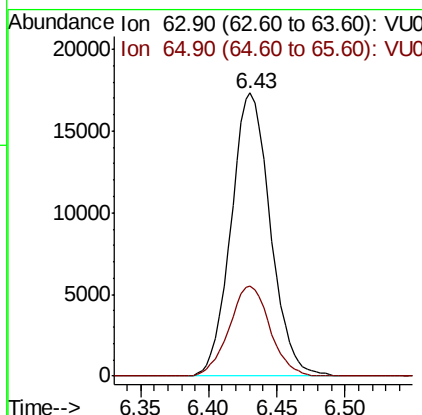
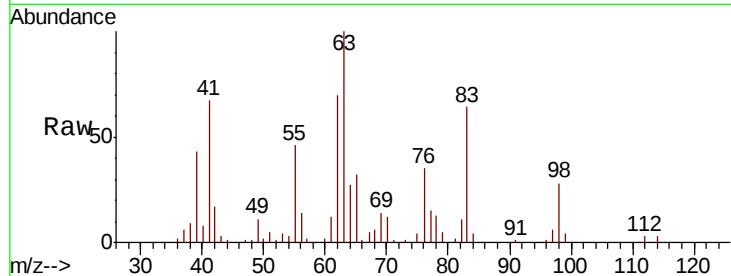
#45
 1,2-Dichloropropane
 Concen: 19.643 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion: 63 Resp: 34613
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.1 37.7

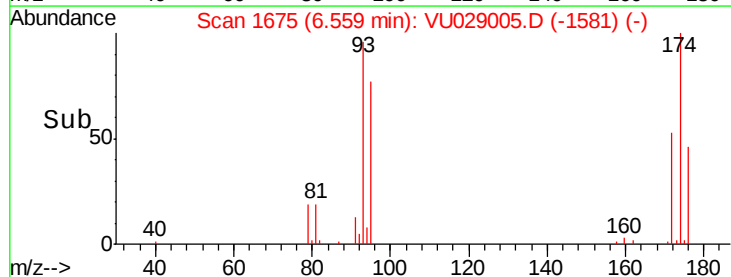
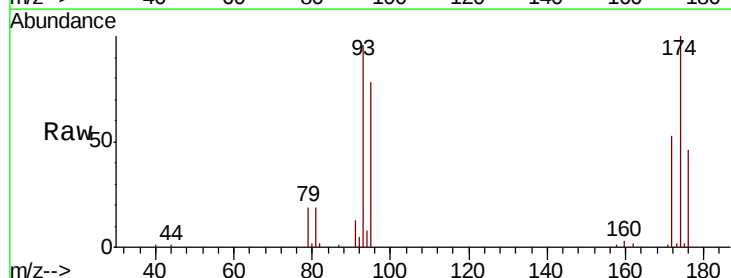
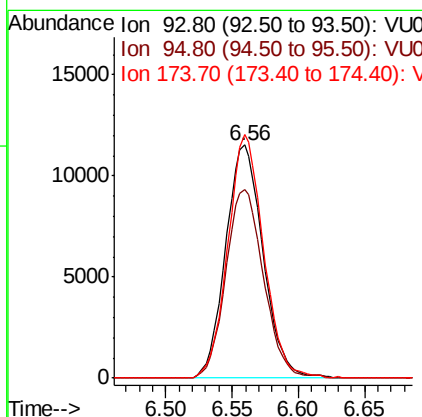
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#46
 Dibromomethane
 Concen: 20.087 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 93 Resp: 22627
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.2 100.8
 174 99.6 82.6 123.8





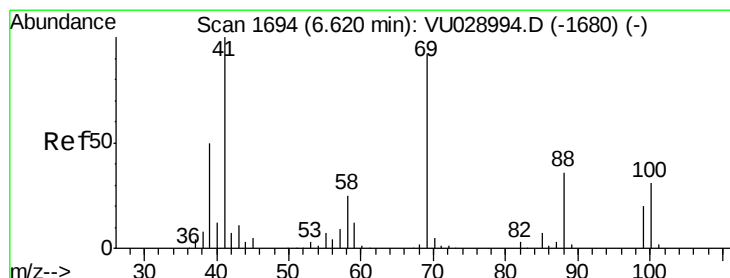
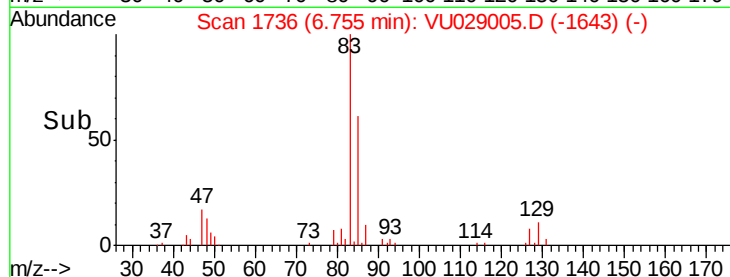
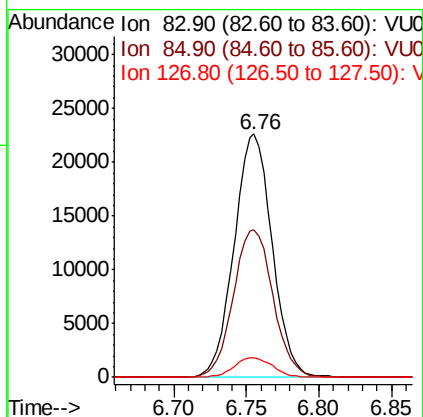
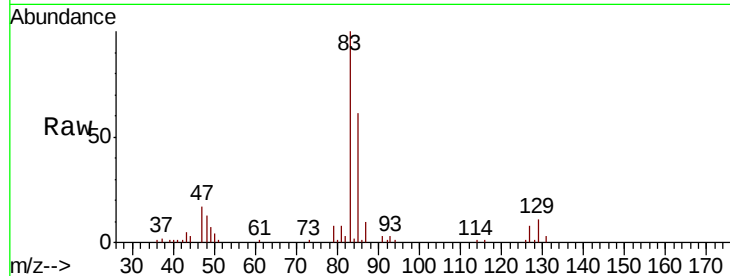
#47
 Bromodichloromethane
 Concen: 19.866 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.2
127	8.1	7.0	10.4

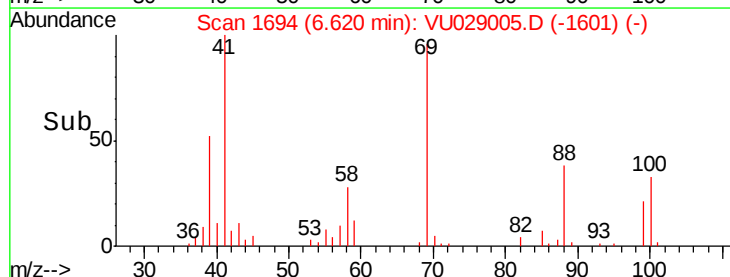
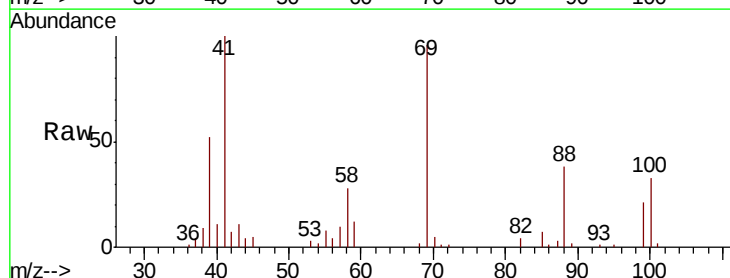
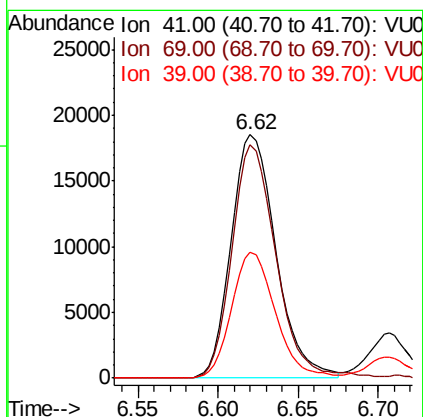
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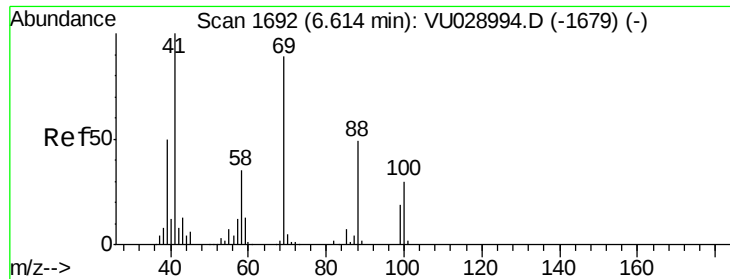
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#48
 Methyl methacrylate
 Concen: 20.247 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.1	73.6	110.4
39	50.5	39.6	59.4





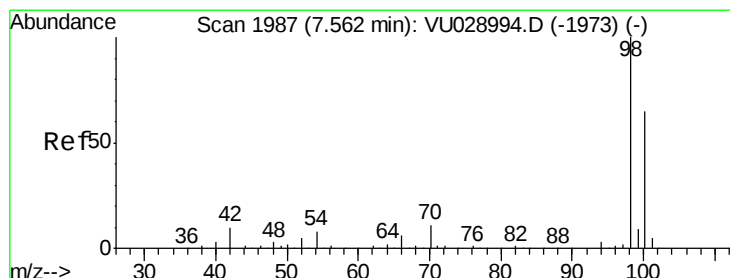
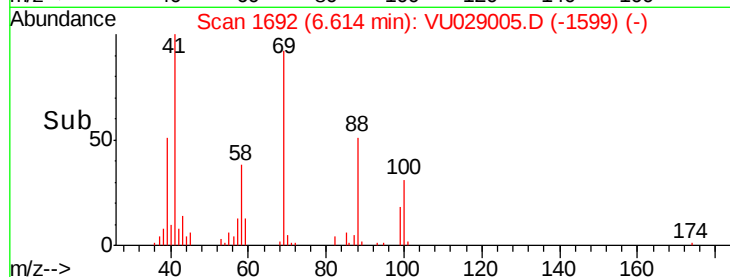
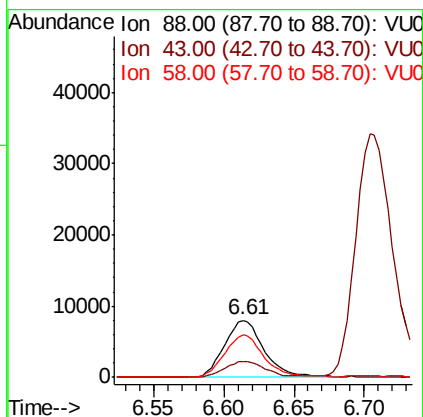
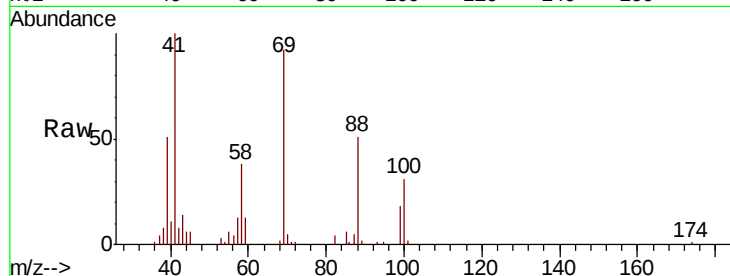
#49
1,4-Dioxane
Concen: 377.631 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.0	34.4
58	74.0	57.9	86.9

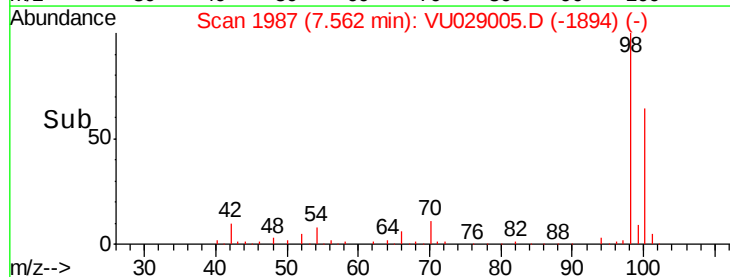
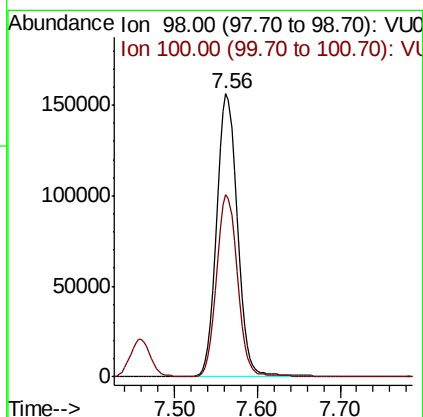
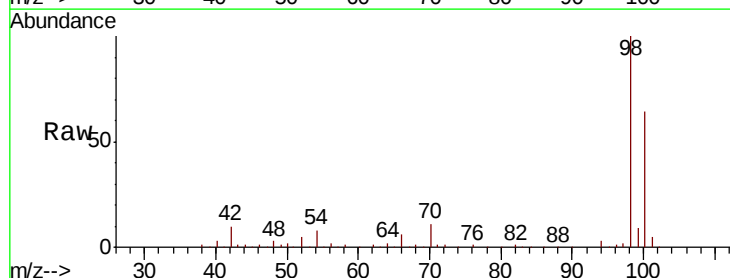
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#50
Toluene-d8
Concen: 49.615 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4





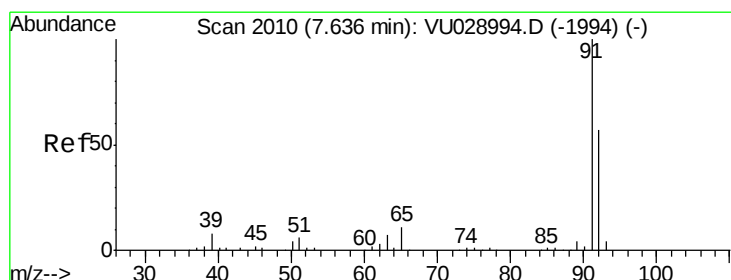
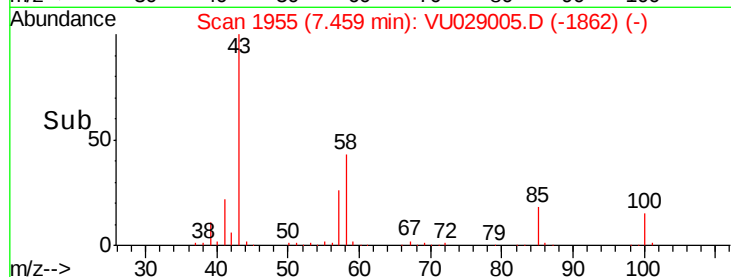
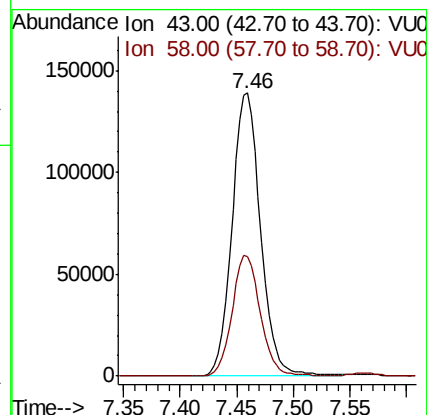
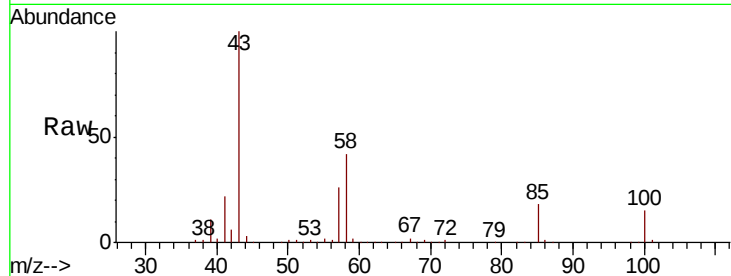
#51
 4-Methyl-2-Pentanone
 Concen: 99.332 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion: 43 Resp: 243498
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.9 50.9

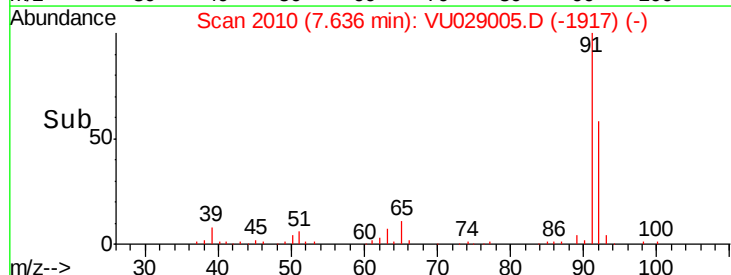
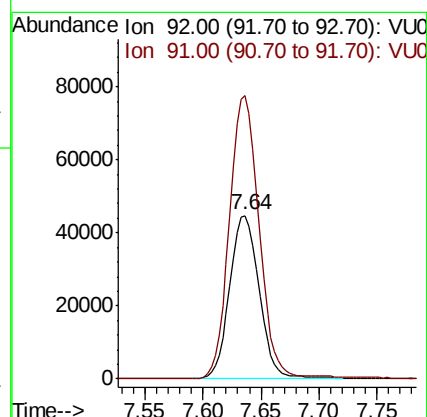
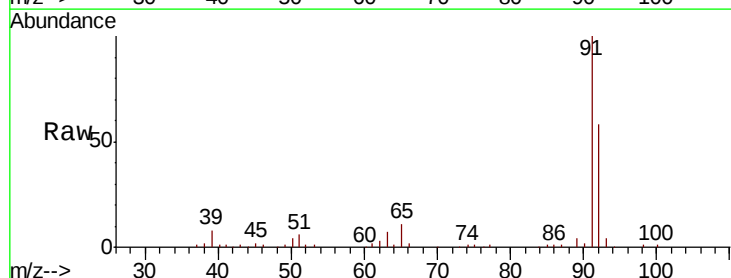
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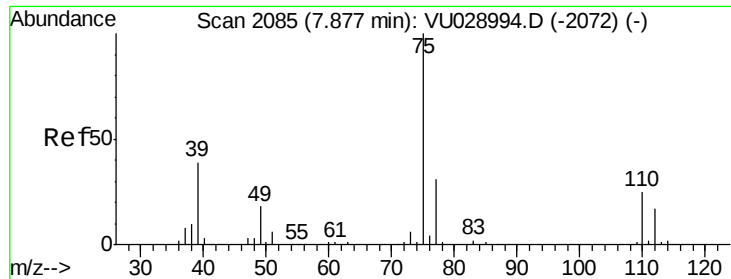
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#52
 Toluene
 Concen: 19.458 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 92 Resp: 79042
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.8 209.8





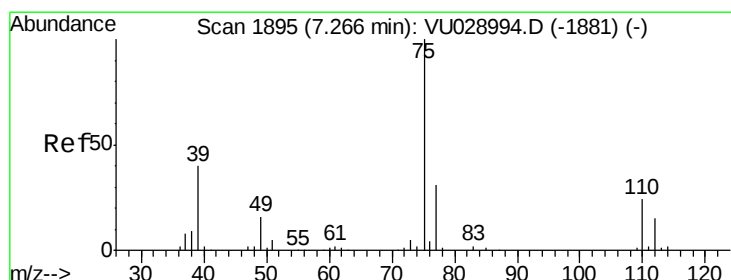
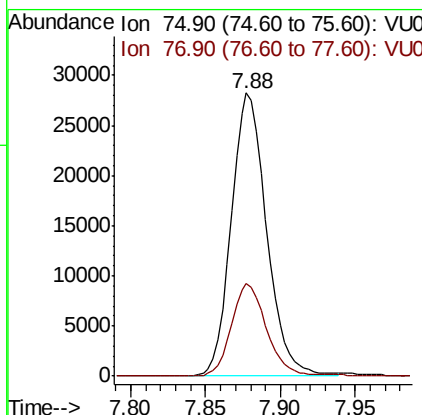
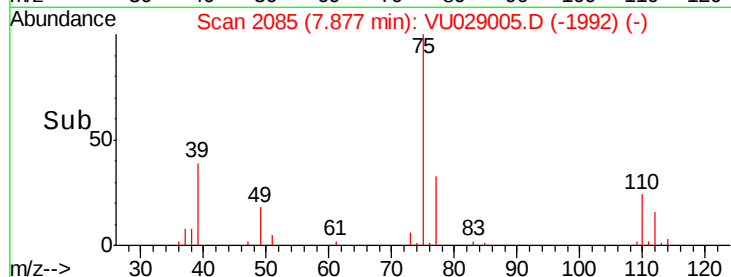
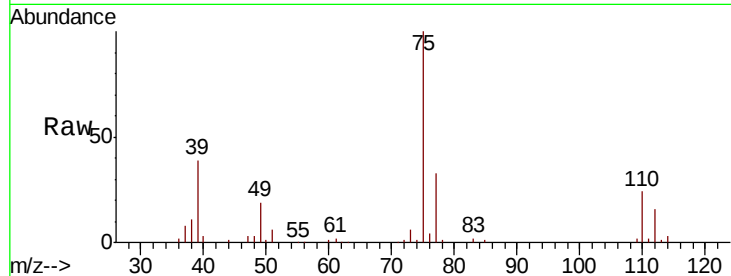
#53
t-1,3-Dichloropropene
Concen: 18.644 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion: 75 Resp: 46451
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.4

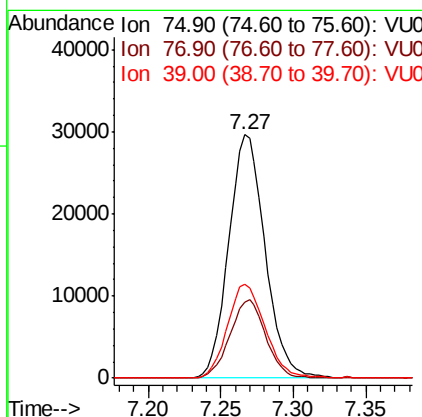
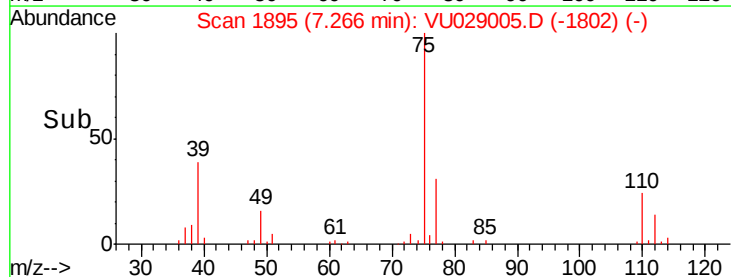
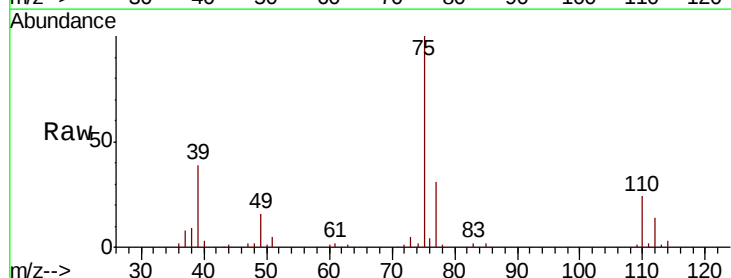
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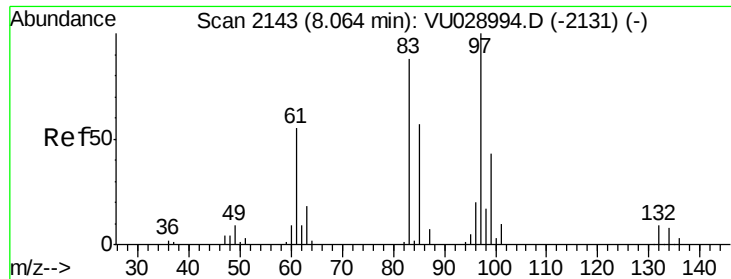
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#54
cis-1,3-Dichloropropene
Concen: 19.152 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 75 Resp: 51559
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 38.8 32.2 48.4





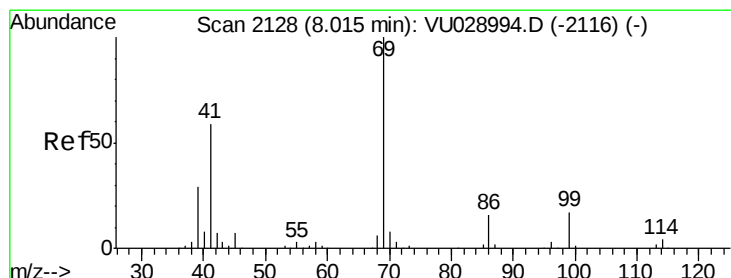
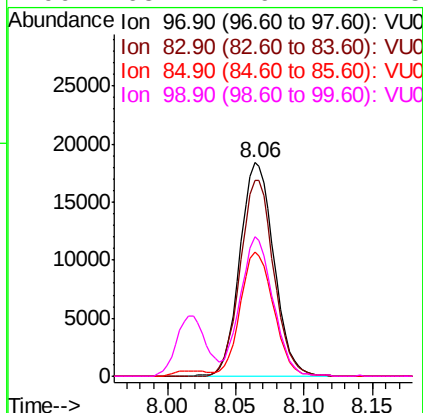
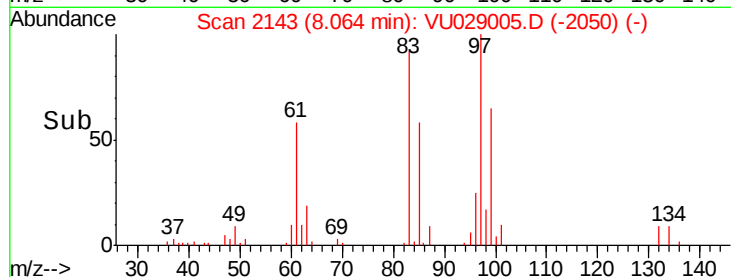
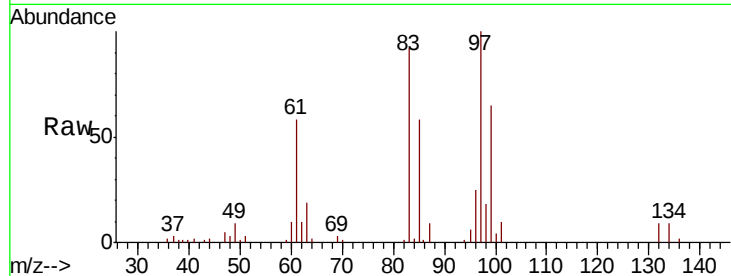
#55
 1,1,2-Trichloroethane
 Concen: 19.613 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.9	69.8	104.8
85	58.3	47.3	70.9
99	65.1	49.7	74.5

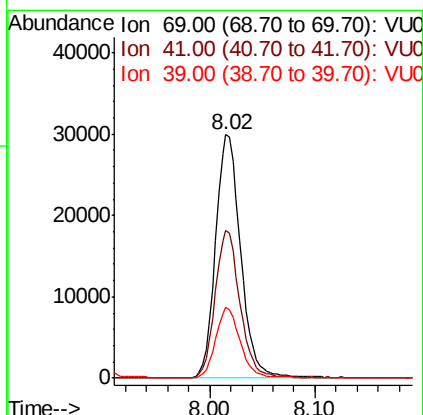
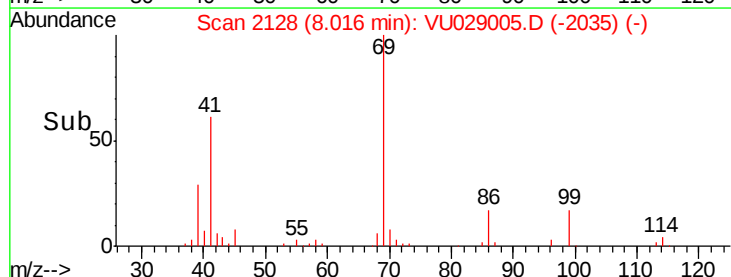
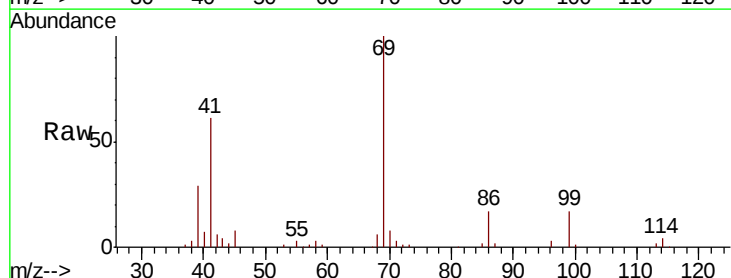
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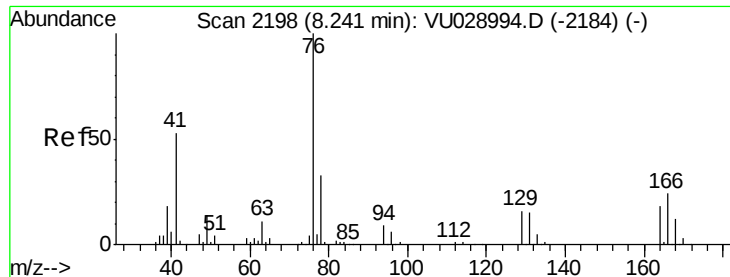
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#56
 Ethyl methacrylate
 Concen: 19.733 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.1	47.5	71.3
39	28.0	22.5	33.7





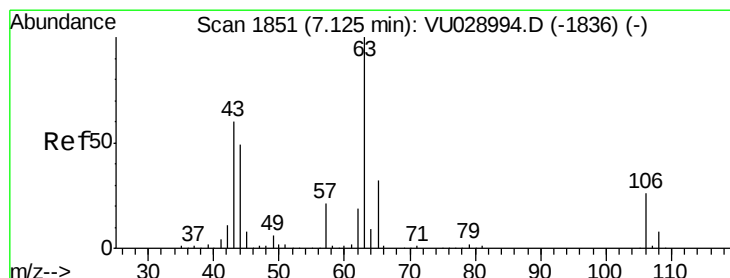
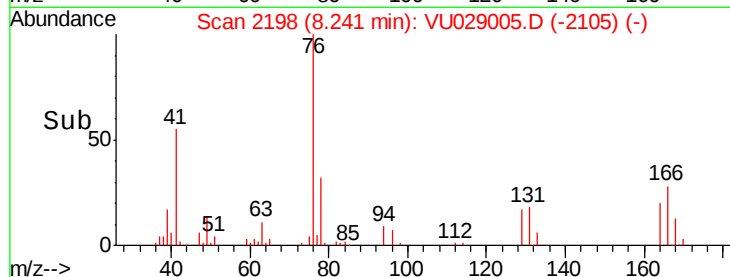
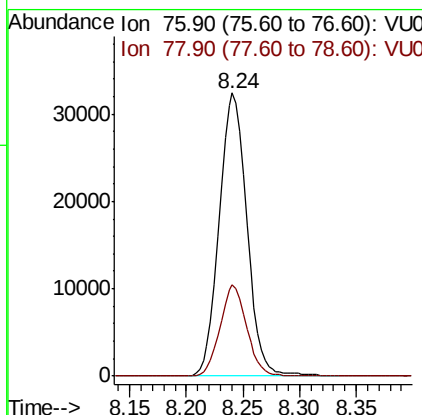
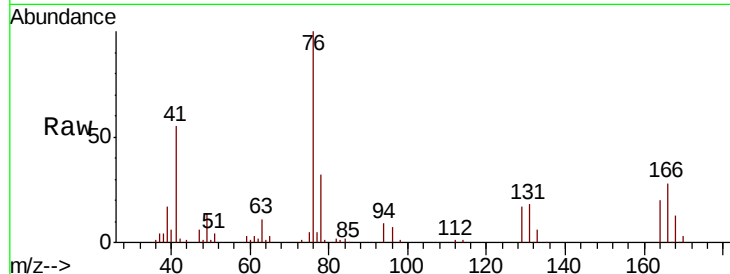
#57
 1,3-Dichloropropane
 Concen: 19.878 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion: 76 Resp: 55351
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.0 39.0

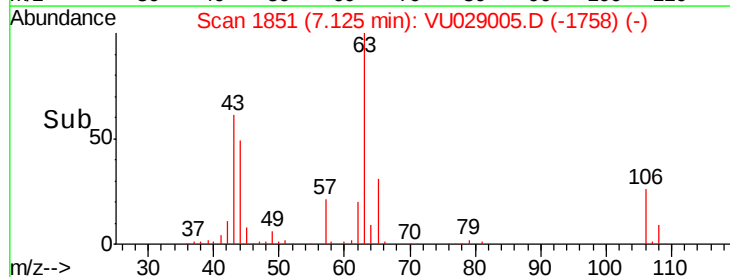
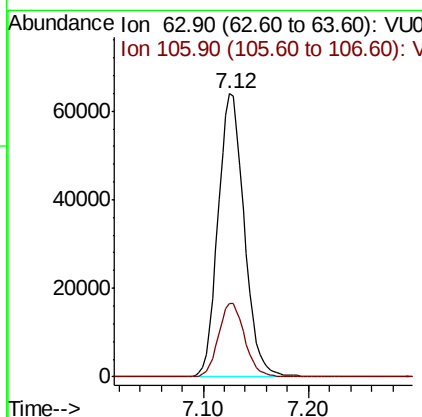
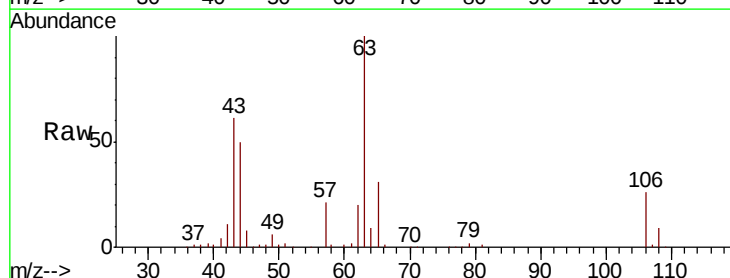
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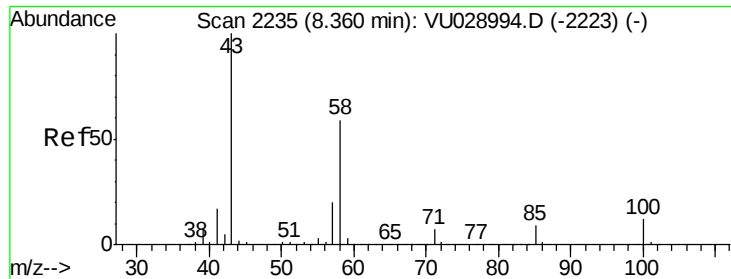
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#58
 2-Chloroethyl Vinyl ether
 Concen: 99.660 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 63 Resp: 109883
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.6 31.0





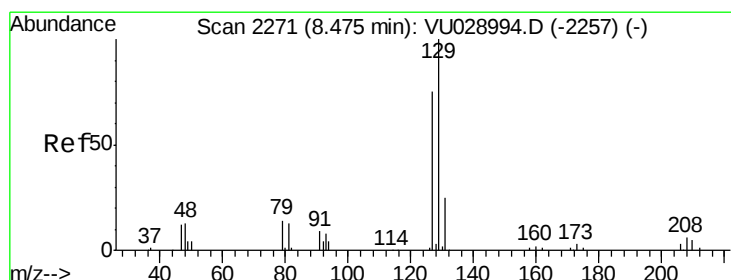
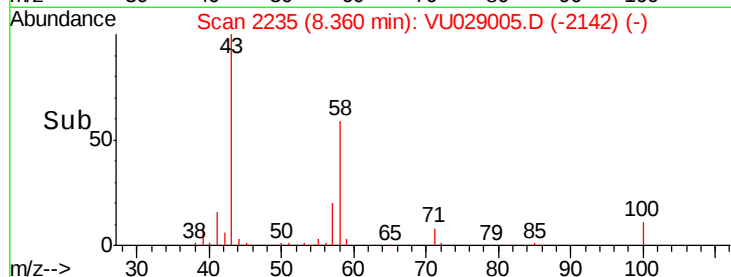
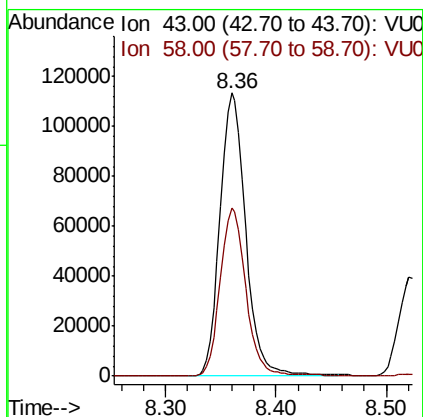
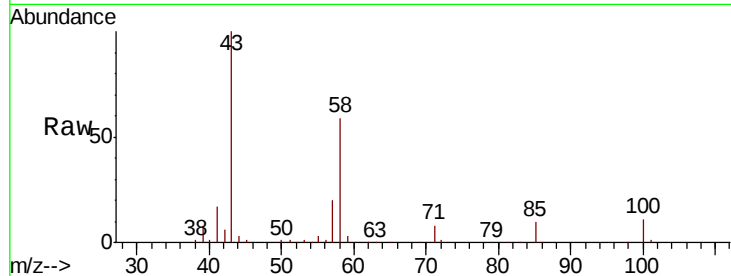
#59
2-Hexanone
Concen: 95.767 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion: 43 Resp: 184277
Ion Ratio Lower Upper
43 100
58 59.4 29.8 89.4

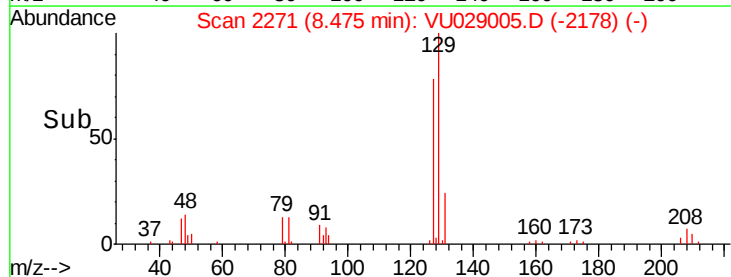
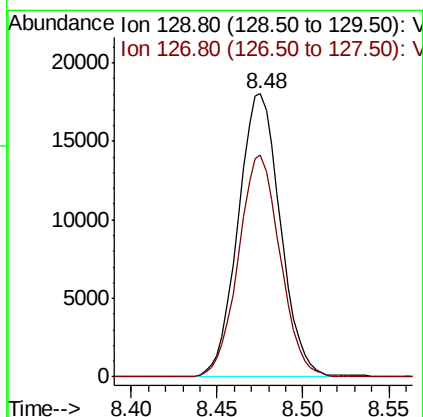
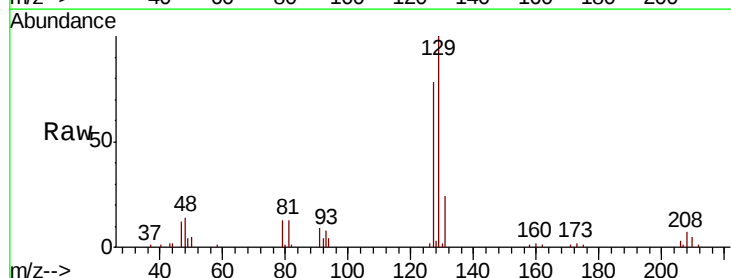
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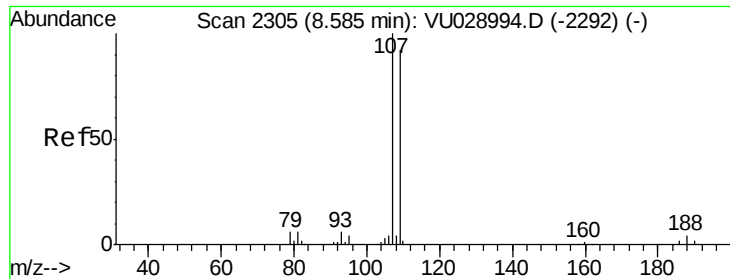
MMDadoda
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#60
Dibromochloromethane
Concen: 19.033 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 129 Resp: 30686
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.0





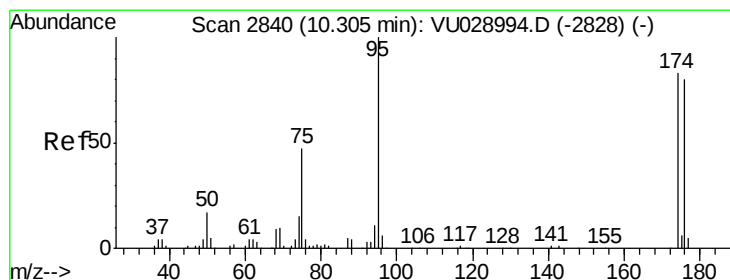
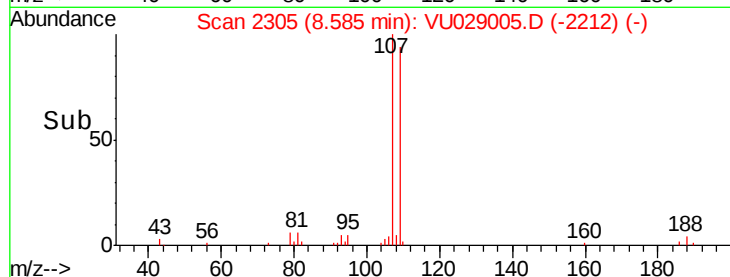
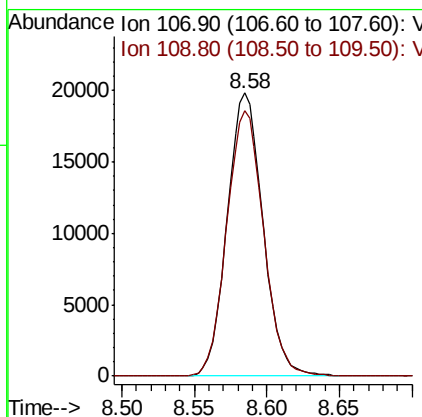
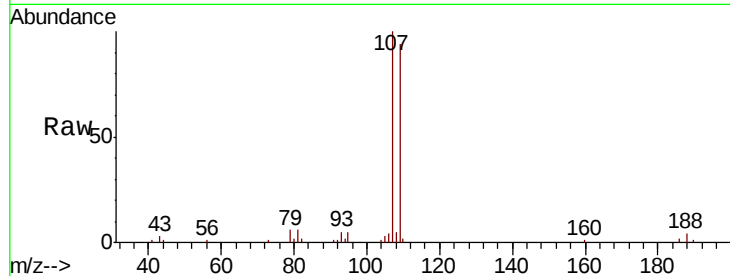
#61
 1,2-Dibromoethane
 Concen: 19.234 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion: 107 Resp: 33947
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.5 113.3

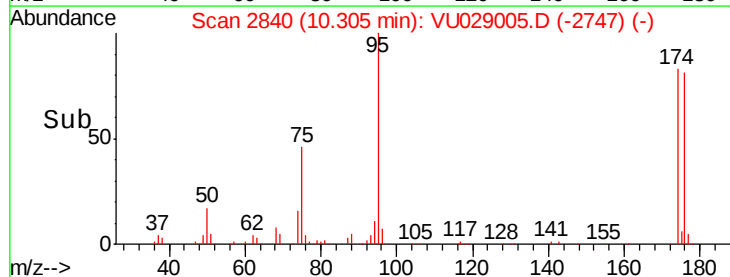
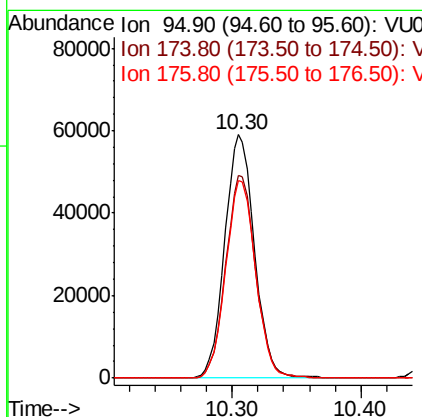
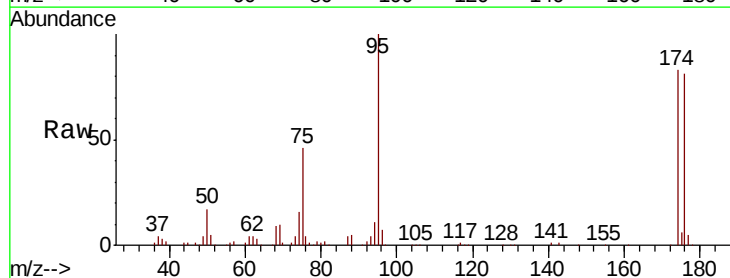
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#62
 4-Bromofluorobenzene
 Concen: 47.786 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion: 95 Resp: 94057
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 170.6
 176 82.0 0.0 165.0





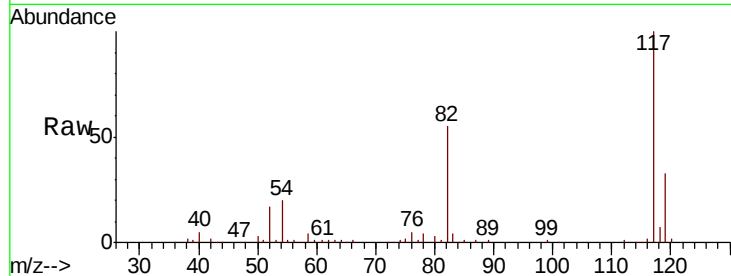
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	195867		
82	55.5	43.9	65.9	
119	32.9	26.0	39.0	

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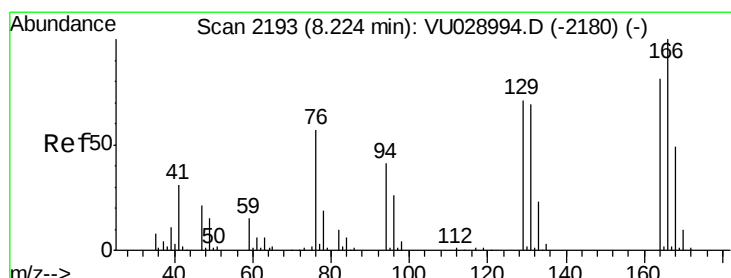
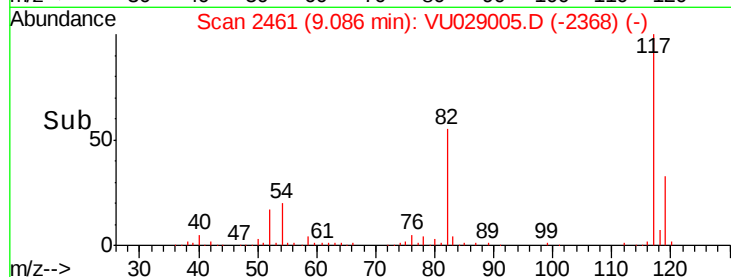
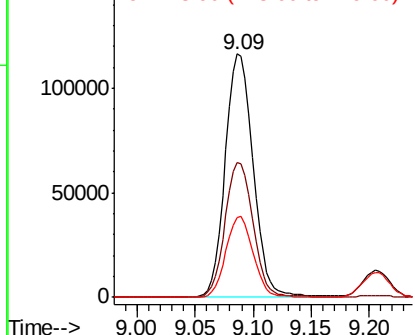


Abundance

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: 20.320 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28670		
166	121.7	99.4	149.0	
129	88.8	70.5	105.7	
131	85.1	69.0	103.6	

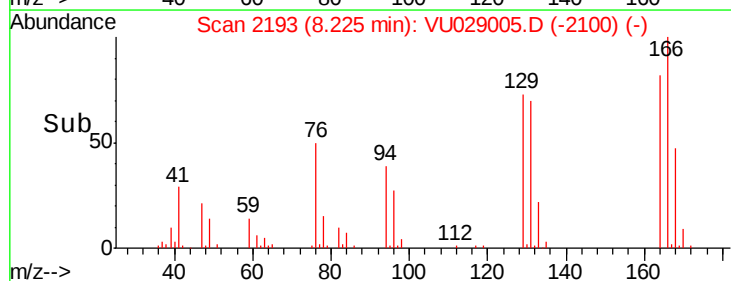
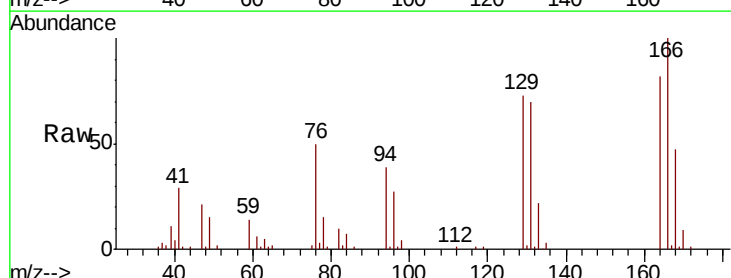
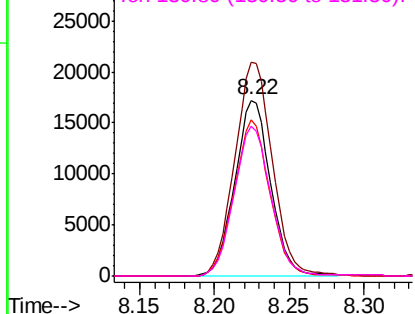
Abundance

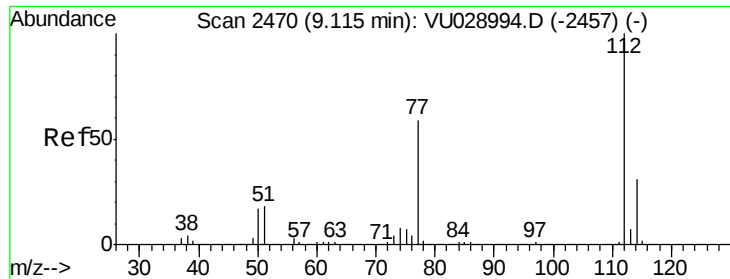
Ion 163.80 (163.50 to 164.50): V

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





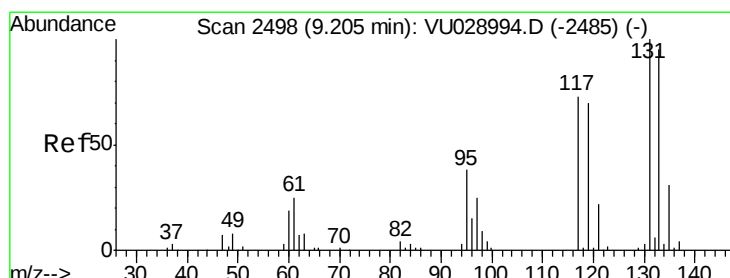
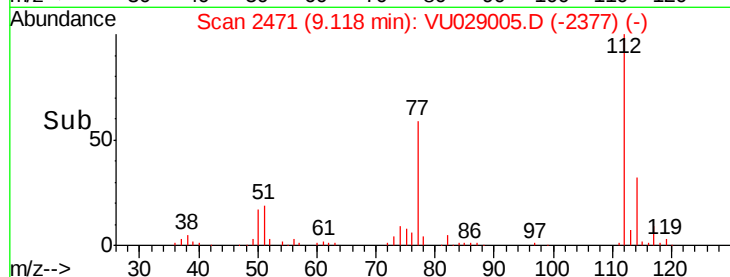
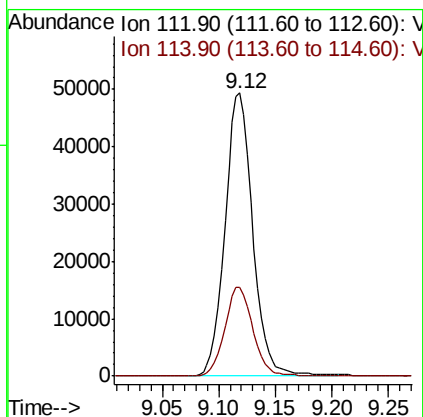
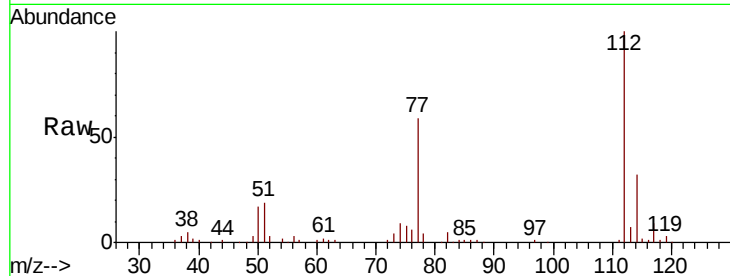
#65
Chlorobenzene
Concen: 19.193 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion:112 Resp: 84266
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

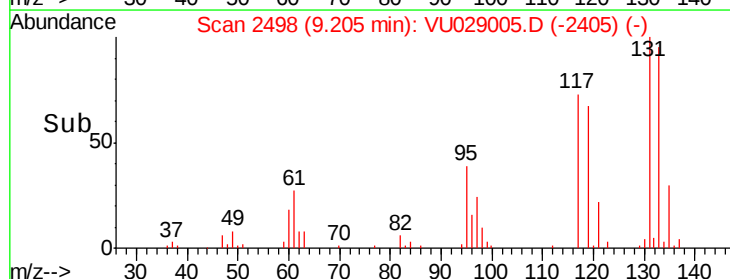
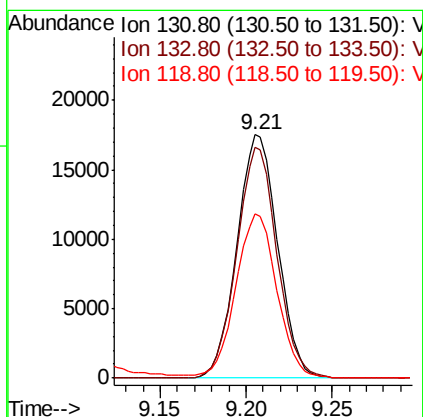
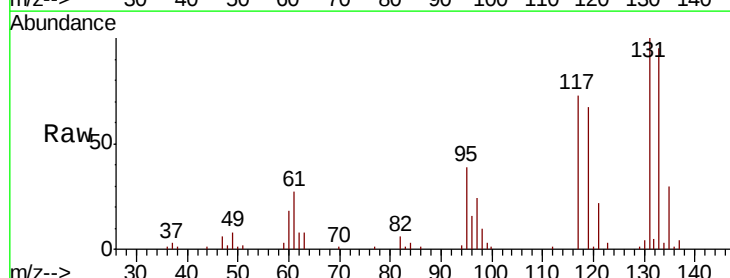
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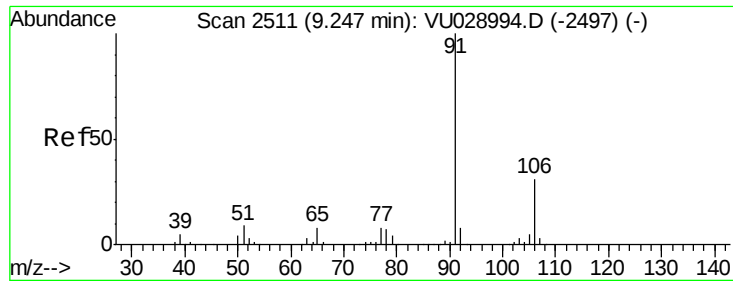
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.211 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:131 Resp: 28796
Ion Ratio Lower Upper
131 100
133 93.7 48.2 144.6
119 68.8 35.4 106.3





#67

Ethyl Benzene

Concen: 19.809 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 91 Resp: 145201

Ion Ratio Lower Upper

91 100

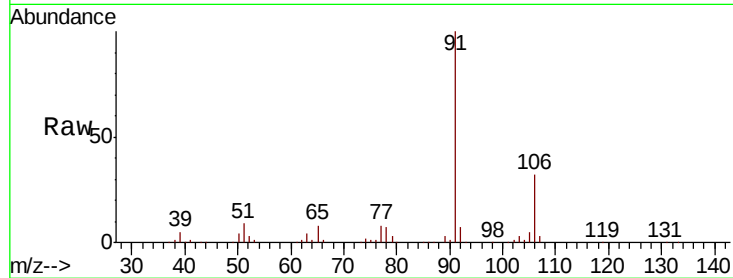
106 32.0 25.0 37.4

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2497) (-)

Ion 106.00 (105.70 to 106.70): VU028994.D (-2497) (-)

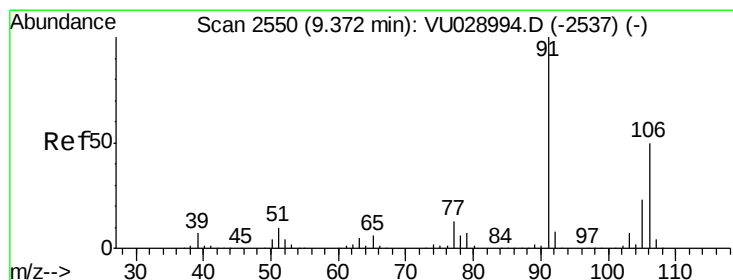
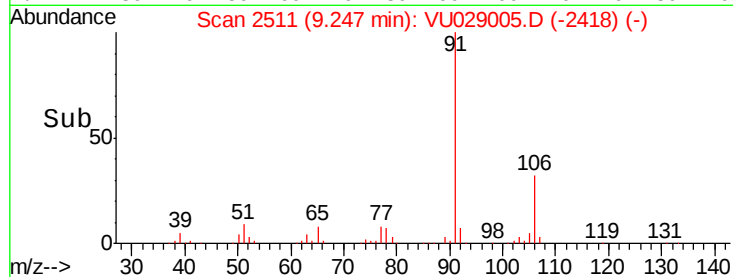
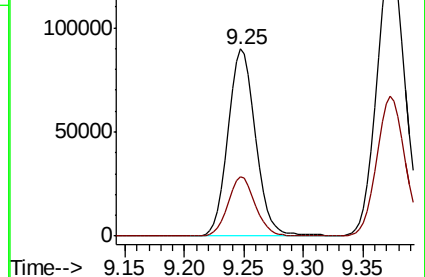
150000

100000

50000

0

9.15 9.20 9.25 9.30 9.35



#68

m/p-Xylenes

Concen: 39.312 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029005.D

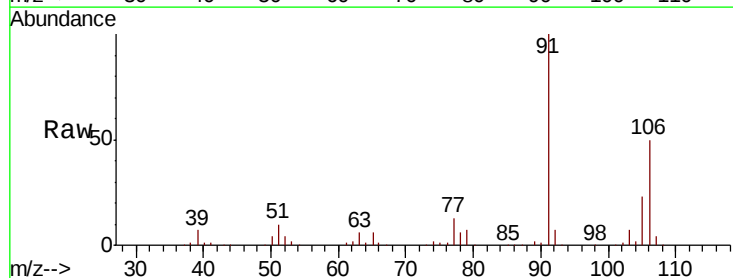
Acq: 03 Jan 2019 18:25

Tgt Ion: 106 Resp: 111964

Ion Ratio Lower Upper

106 100

91 199.8 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VU028994.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU028994.D (-2537) (-)

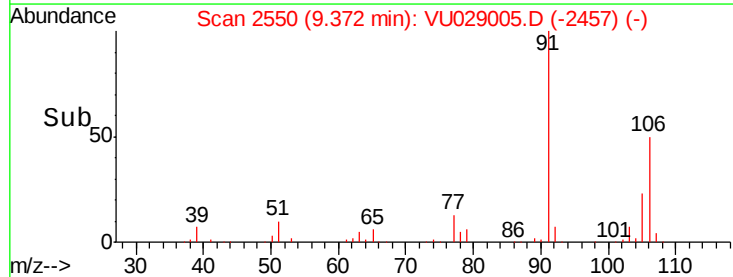
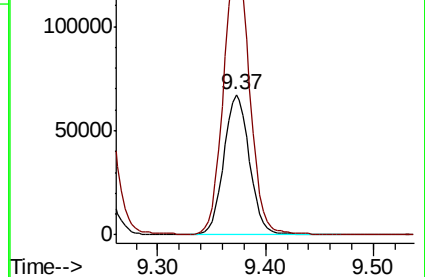
150000

100000

50000

0

9.30 9.40 9.50





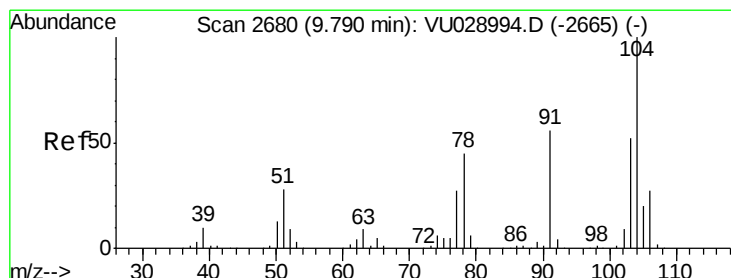
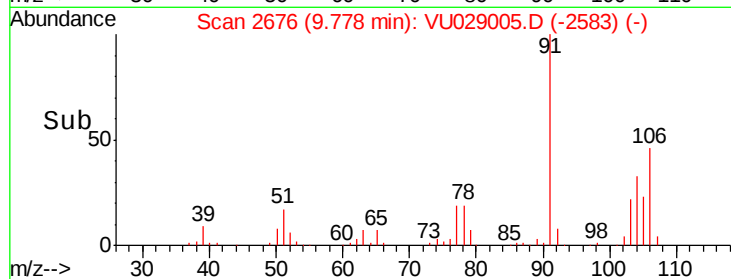
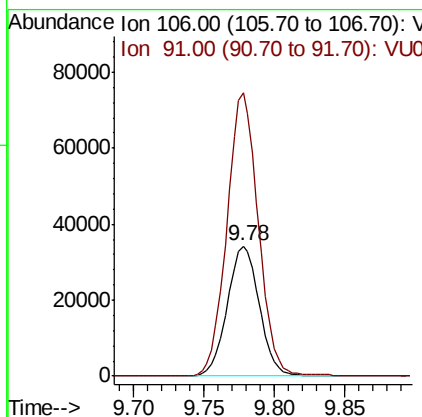
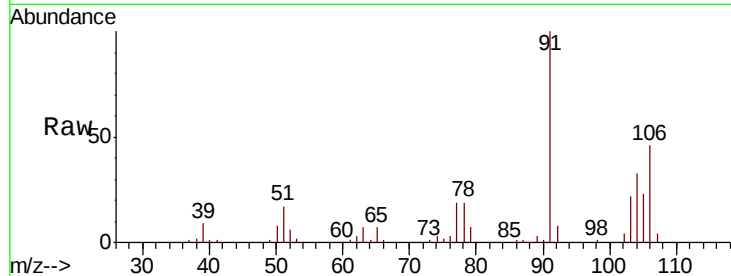
#69
o-Xylene
Concen: 19.820 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion:106 Resp: 54391
Ion Ratio Lower Upper
106 100
91 214.0 106.1 318.3

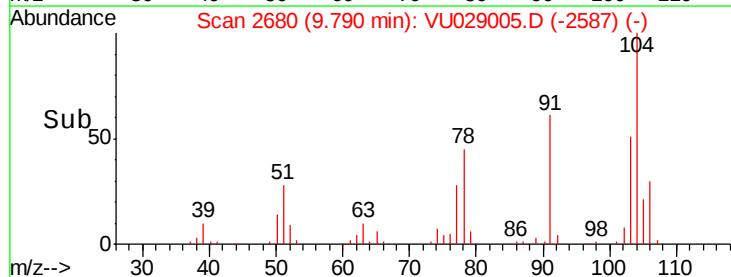
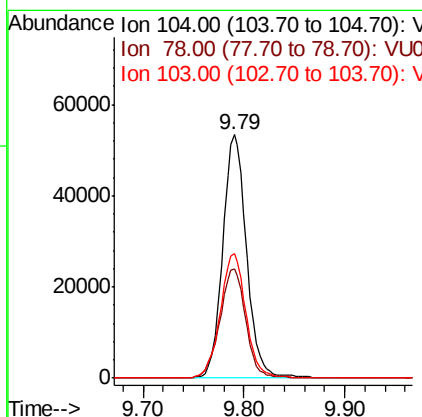
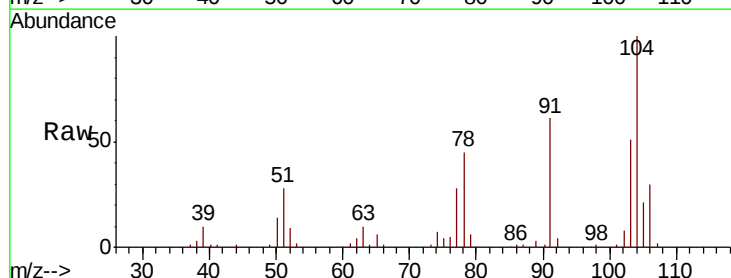
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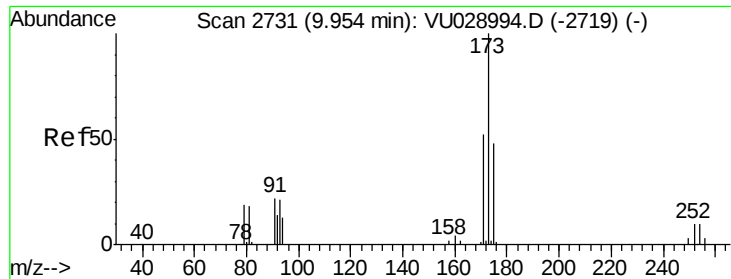
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#70
Styrene
Concen: 19.625 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion:104 Resp: 88288
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 55.0 44.5 66.7





#71

Bromoform

Concen: 19.343 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion:173 Resp: 24539

Ion Ratio Lower Upper

173 100

175 47.4 23.8 71.2

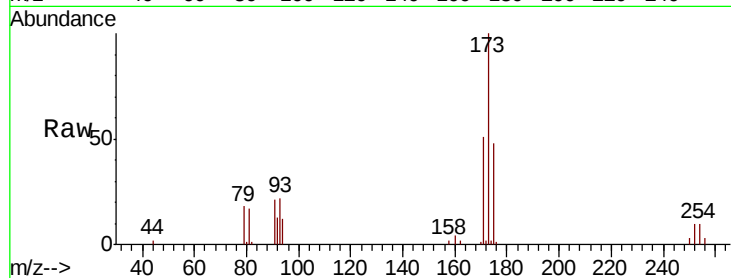
254 0.0 0.0 0.0

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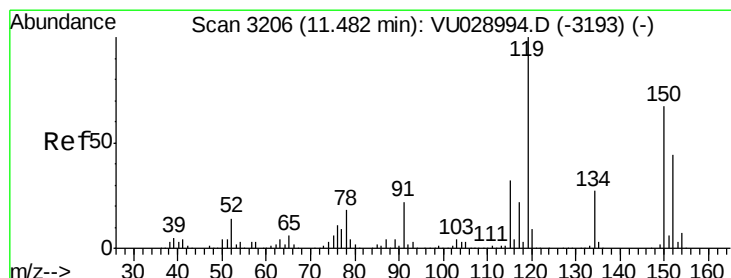
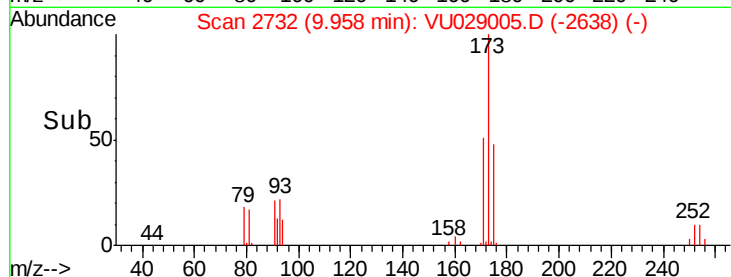
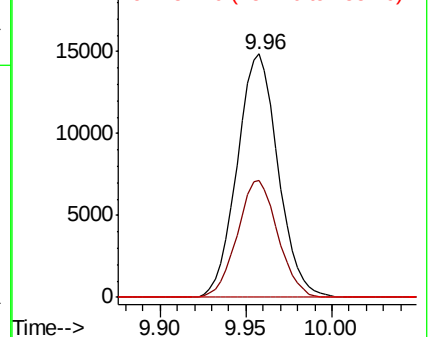


Abundance

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: VU029005.D

Acq: 03 Jan 2019 18:25

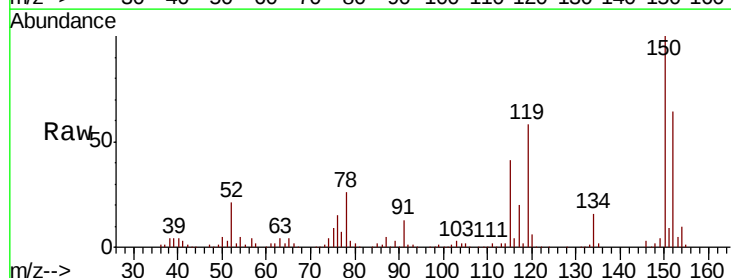
Tgt Ion:152 Resp: 94292

Ion Ratio Lower Upper

152 100

115 65.4 40.1 120.3

150 162.6 0.0 345.2

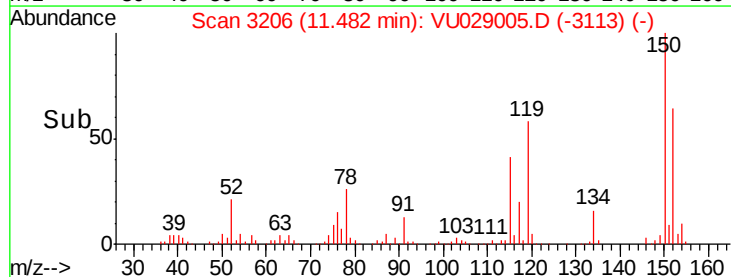
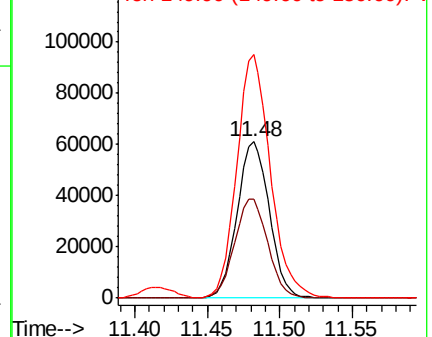


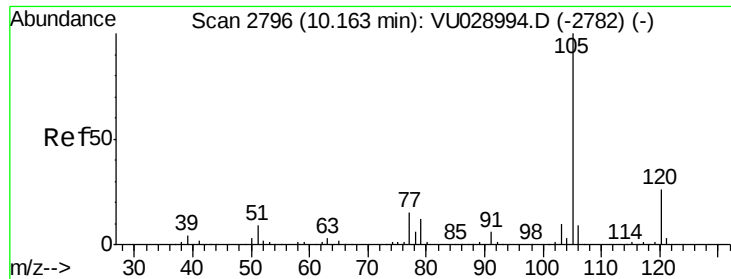
Abundance

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: 20.020 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 105 Resp: 139726

Ion Ratio Lower Upper

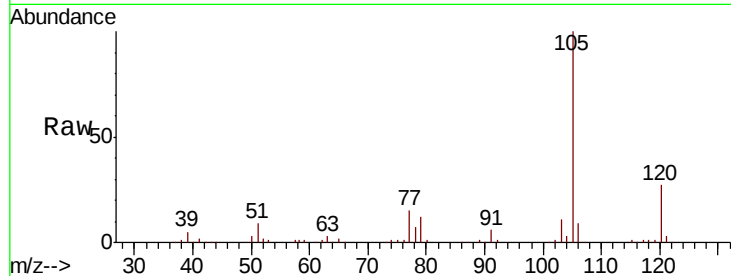
105 100

120 27.2 13.2 39.5

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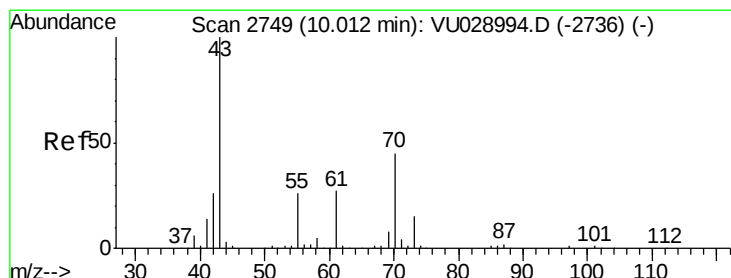
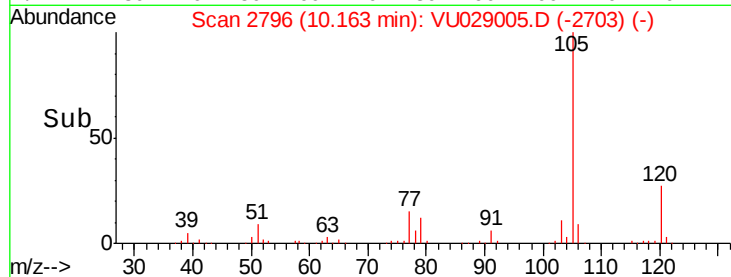
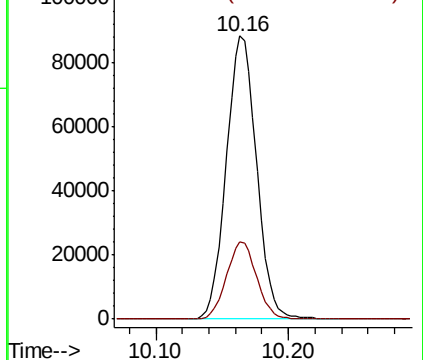
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.463 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion: 43 Resp: 61541

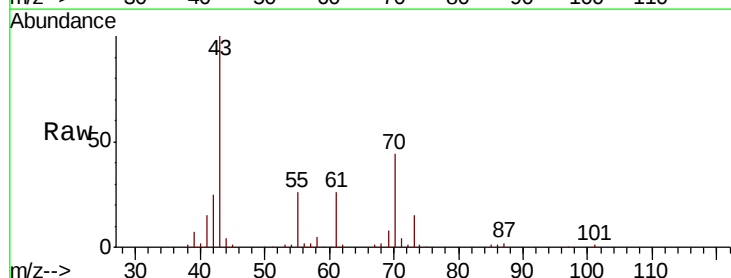
Ion Ratio Lower Upper

43 100

70 45.0 36.3 54.5

55 26.2 20.5 30.7

61 26.3 21.8 32.8

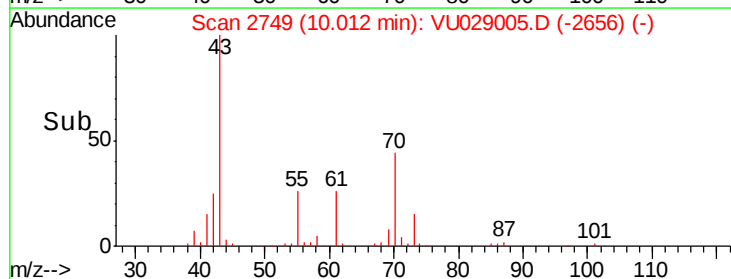
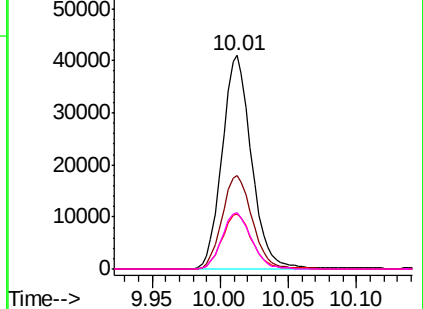


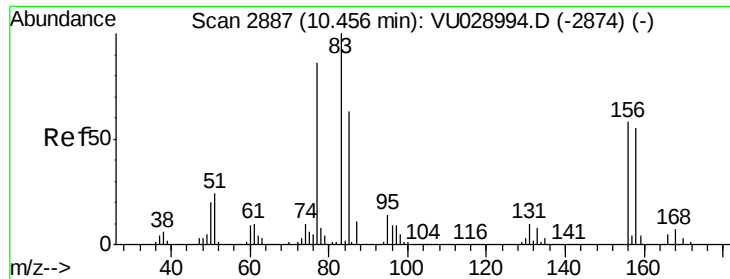
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.882 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 83 Resp: 55613

Ion Ratio Lower Upper

83 100

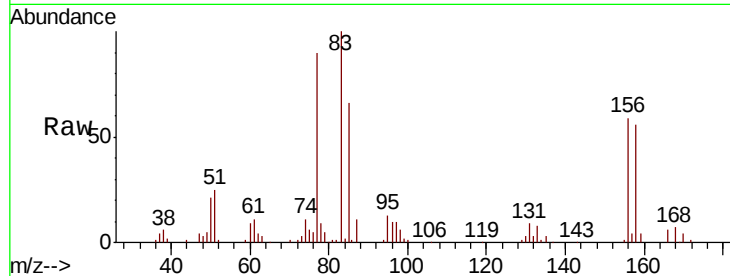
131 8.5 4.7 14.1

85 64.8 32.0 96.2

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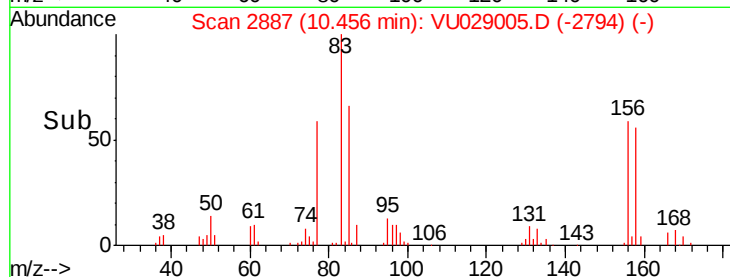


Abundance Ion 82.90 (82.60 to 83.60): VU028994.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU028994.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU028994.D (-2874) (-)

Time-->

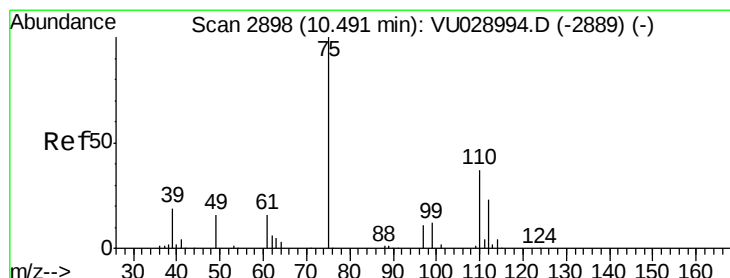


Abundance Ion 82.90 (82.60 to 83.60): VU029005.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU029005.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU029005.D (-2794) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.967 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029005.D

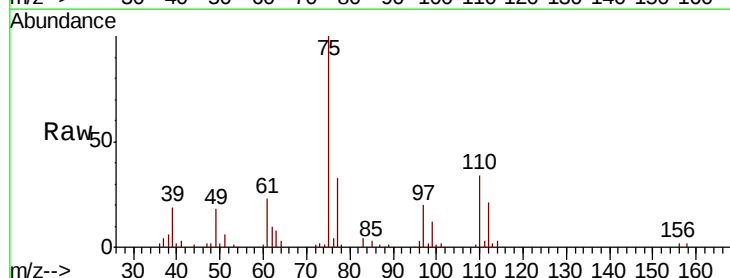
Acq: 03 Jan 2019 18:25

Tgt Ion: 75 Resp: 48440

Ion Ratio Lower Upper

75 100

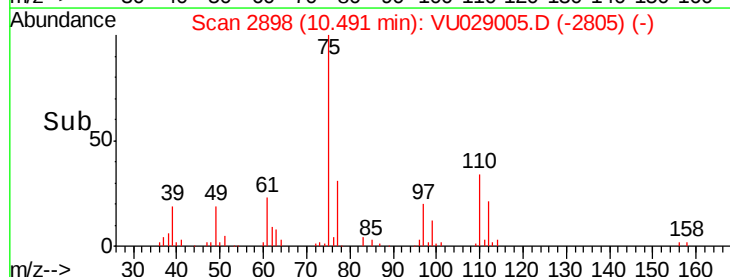
77 40.7 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-2889) (-)

Ion 77.00 (76.70 to 77.70): VU028994.D (-2889) (-)

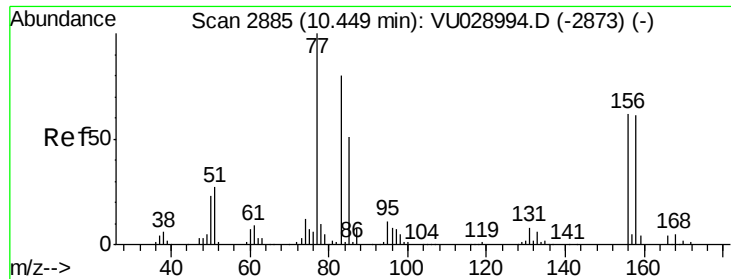
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU029005.D (-2805) (-)

Ion 77.00 (76.70 to 77.70): VU029005.D (-2805) (-)

Time-->



#77

Bromobenzene

Concen: 20.072 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

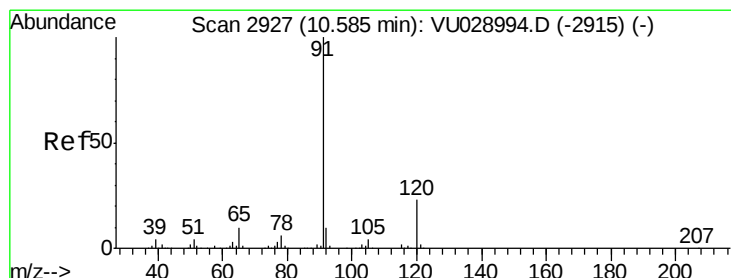
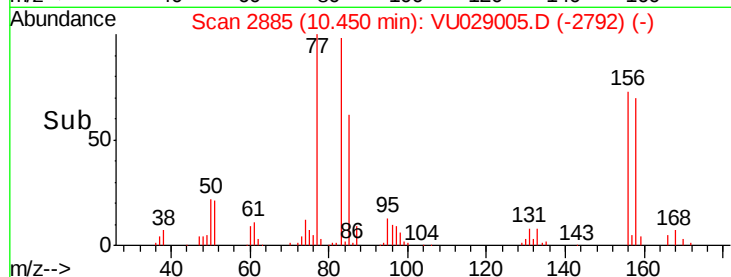
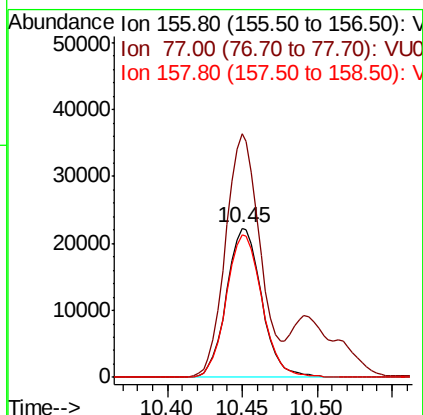
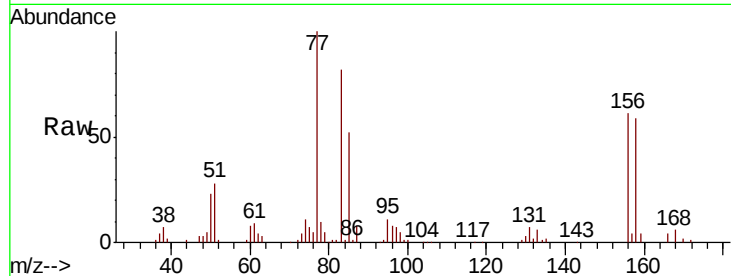
ClientSampleId :

VU0103WBSD01

Tgt Ion:	156	Resp:	36506
Ion Ratio	Lower	Upper	
156	100		
77	159.1	79.0	237.2
158	97.4	48.9	146.6

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#78

n-propylbenzene

Concen: 20.109 ug/l

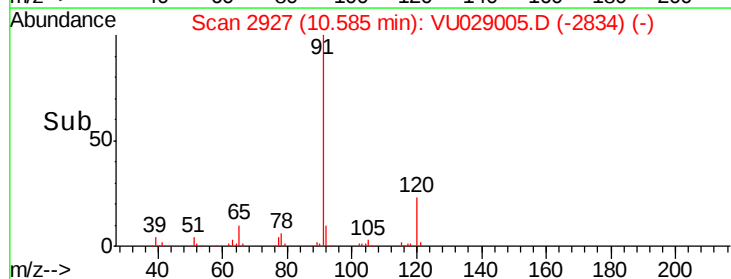
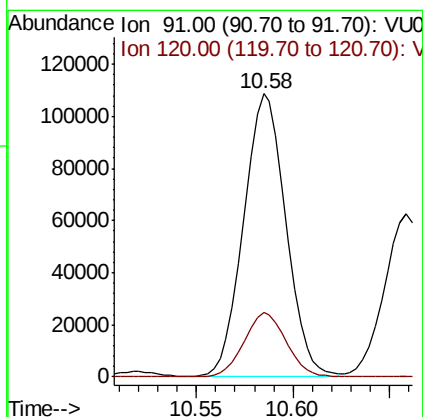
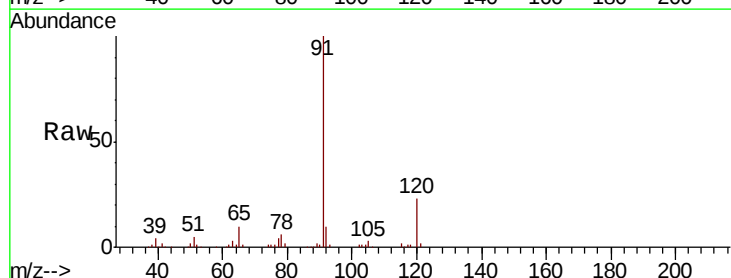
RT: 10.58 min Scan# 2927

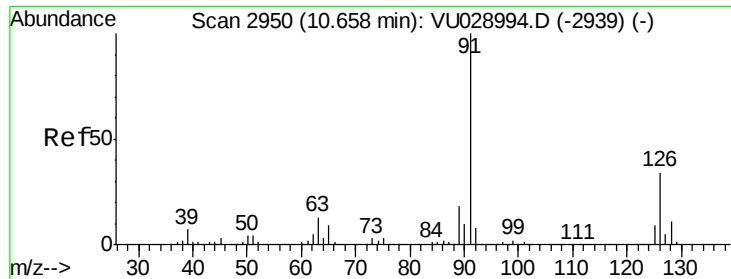
Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion:	91	Resp:	165397
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.931 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

ClientSampleId :

VU0103WBSD01

Tgt Ion: 91 Resp: 99444

Ion Ratio Lower Upper

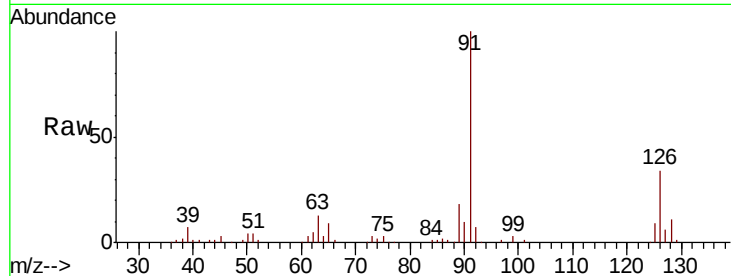
91 100

126 33.9 16.8 50.4

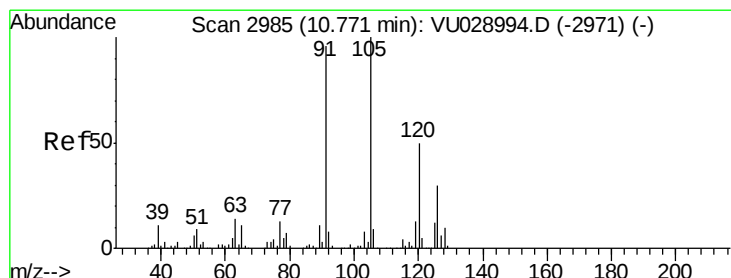
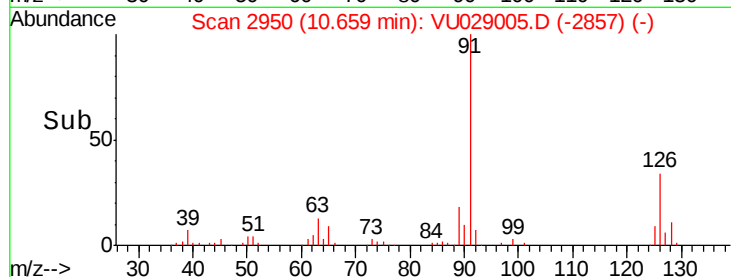
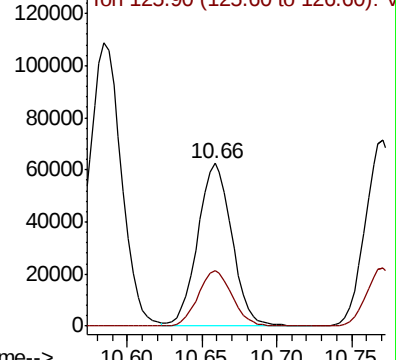
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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.906 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029005.D

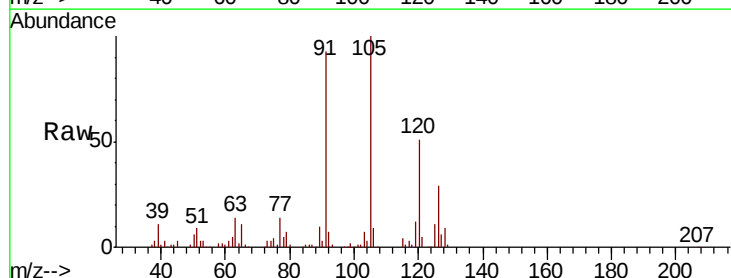
Acq: 03 Jan 2019 18:25

Tgt Ion: 105 Resp: 116014

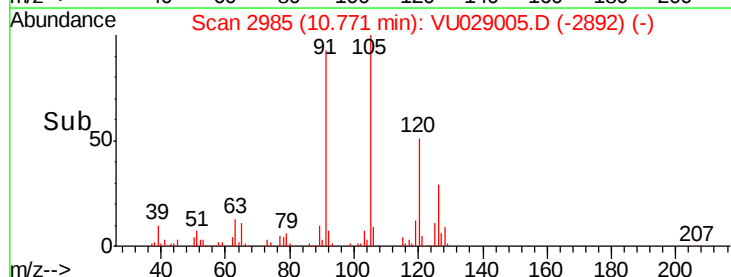
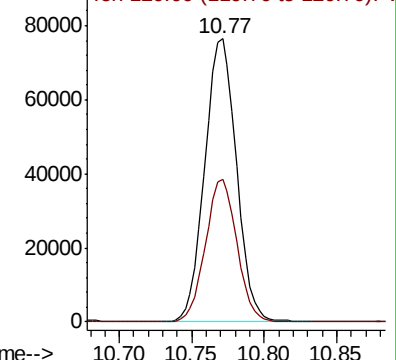
Ion Ratio Lower Upper

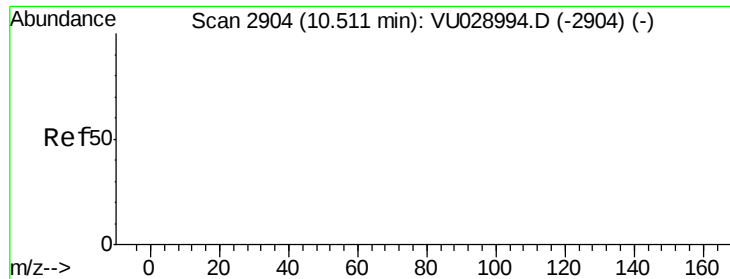
105 100

120 50.0 24.8 74.4



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





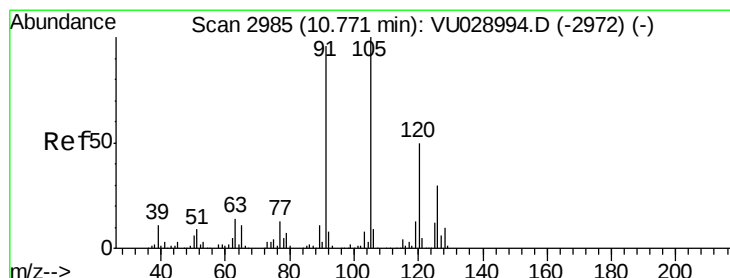
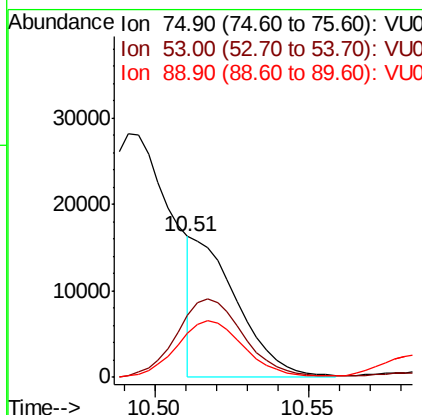
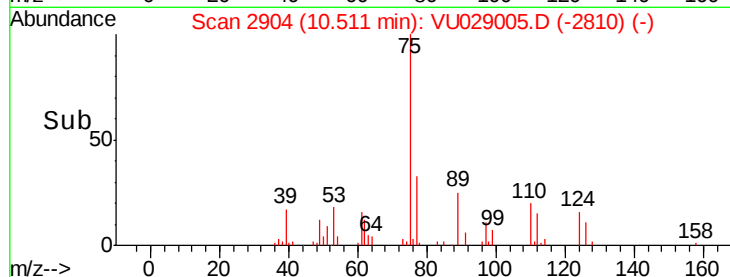
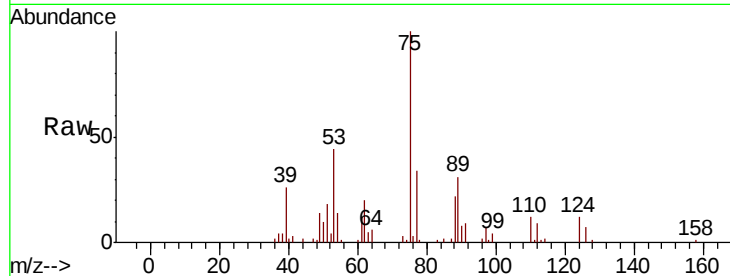
#81
trans-1,4-Dichloro-2-butene
Concen: 18.120 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

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

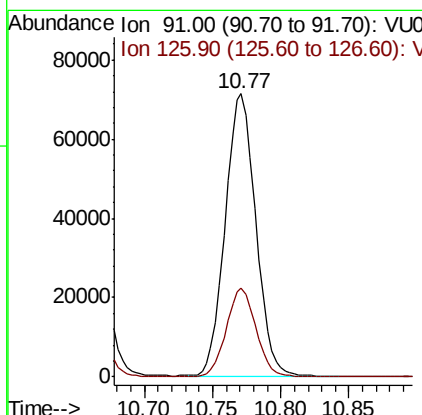
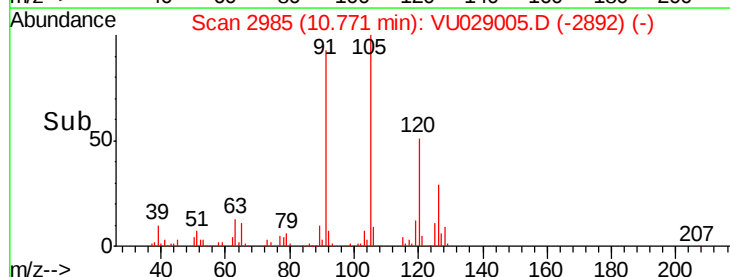
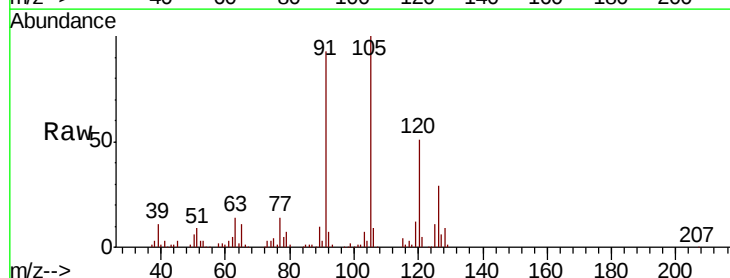
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#82
4-Chlorotoluene
Concen: 19.438 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.5	46.5





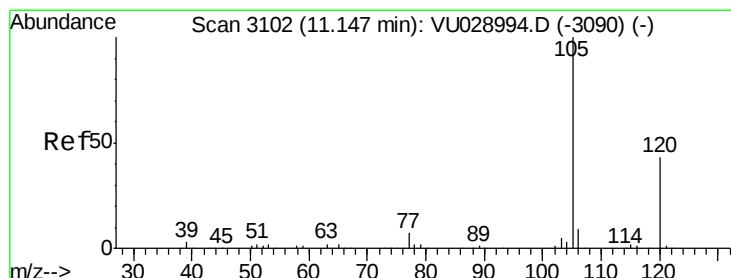
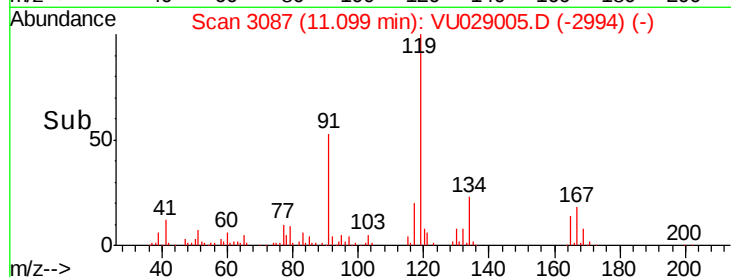
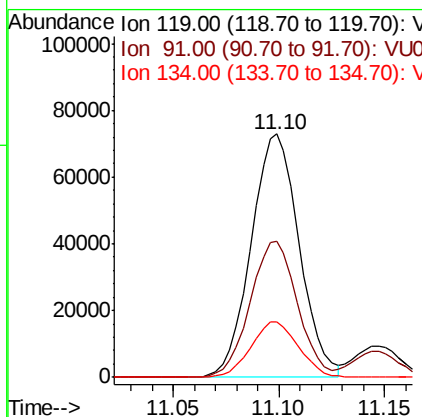
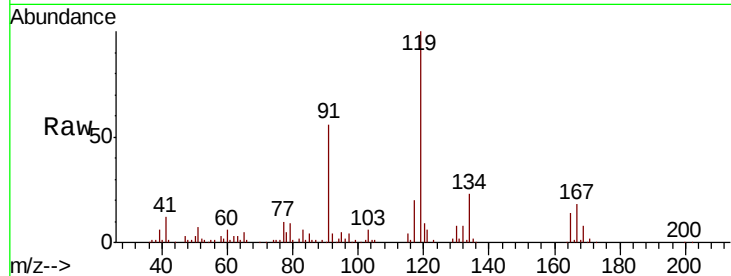
#83
tert-Butylbenzene
Concen: 20.114 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	115543		
91	54.9	28.2	84.6	
134	22.5	11.3	33.8	

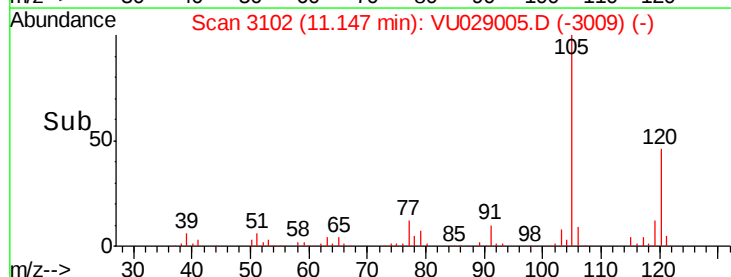
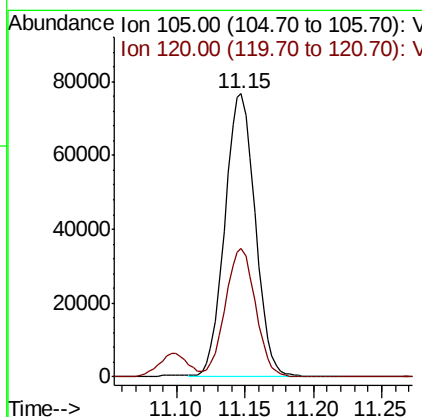
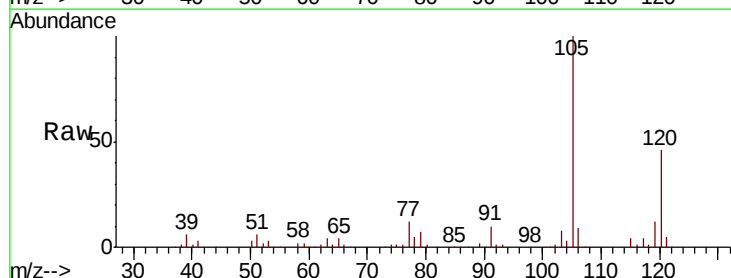
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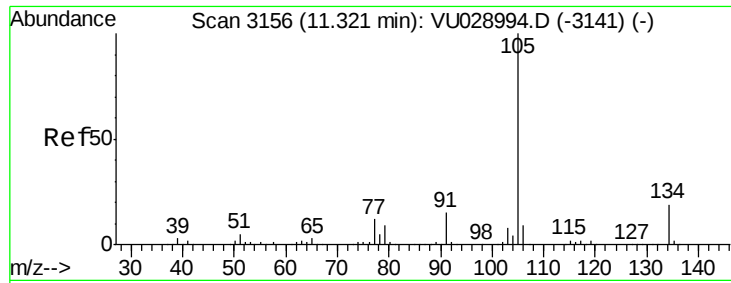
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#84
1,2,4-Trimethylbenzene
Concen: 20.469 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	119107		
120	45.1	23.1	69.3	





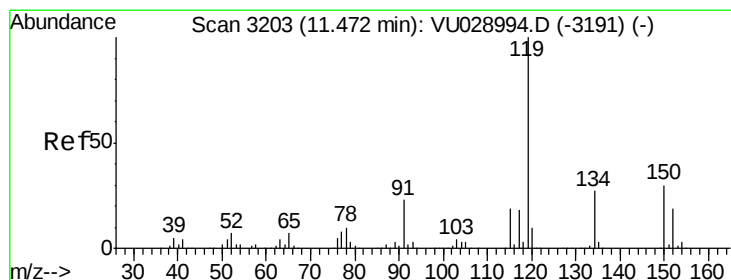
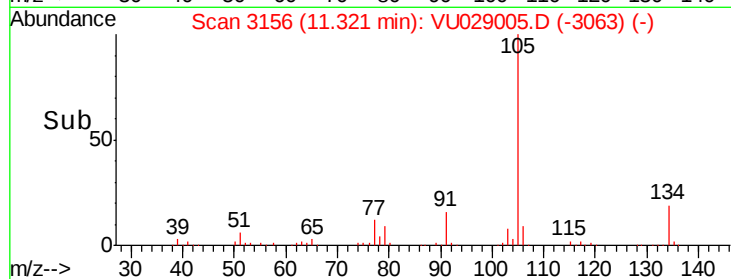
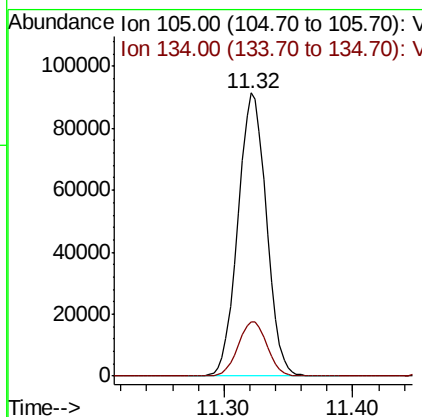
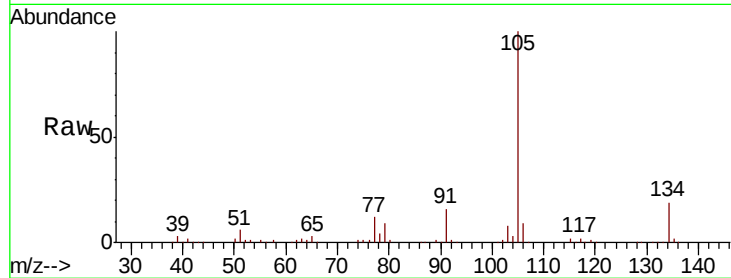
#85
 sec-Butylbenzene
 Concen: 20.199 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion:105 Resp: 140330
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

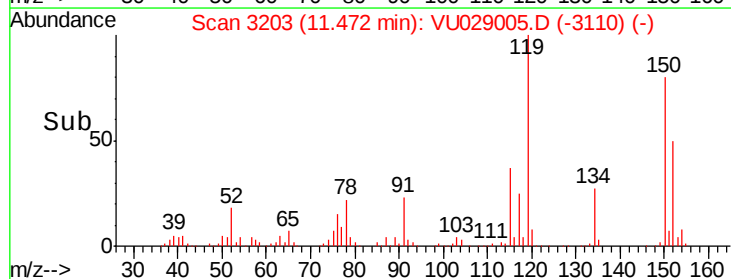
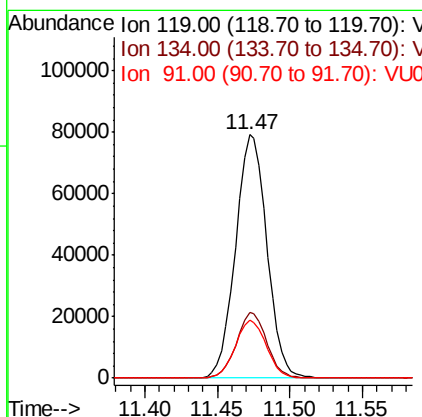
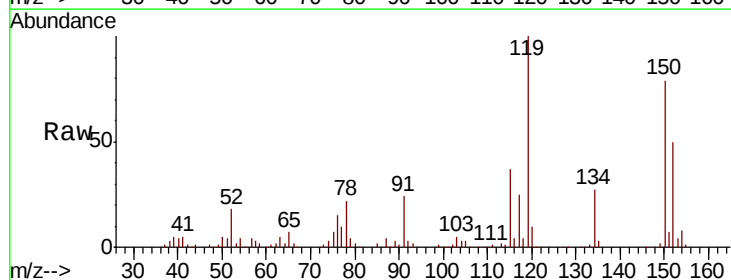
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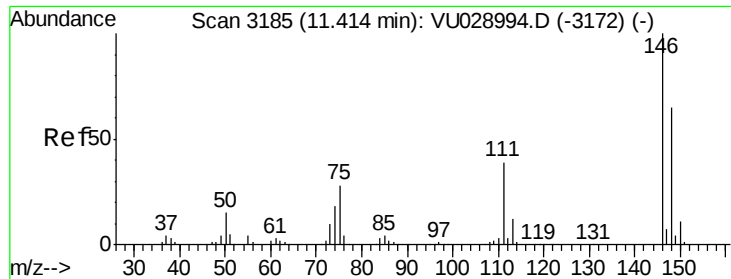
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#86
 p-Isopropyltoluene
 Concen: 20.022 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion:119 Resp: 118532
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.5 40.4
 91 23.5 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 19.085 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

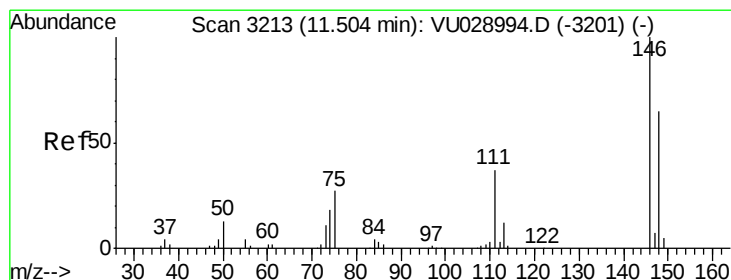
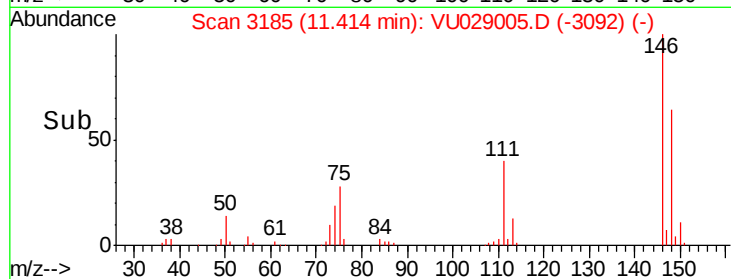
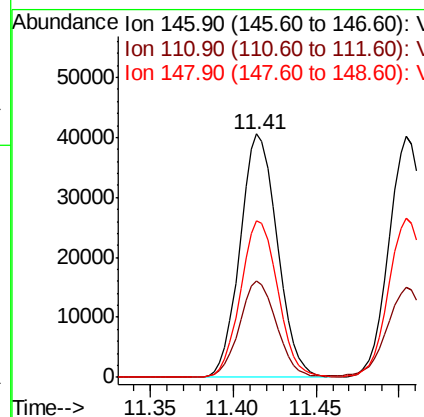
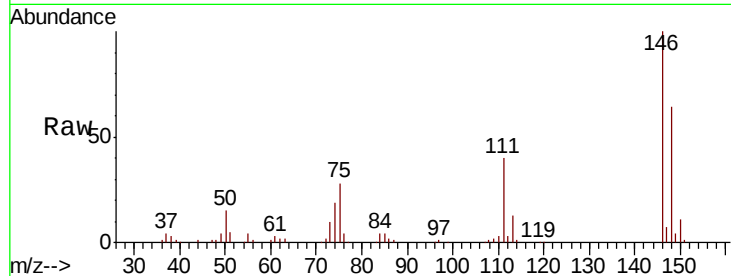
ClientSampleId :

VU0103WBSD01

Tgt Ion:	146	Resp:	63668
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.3	57.8
148	64.2	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.408 ug/l

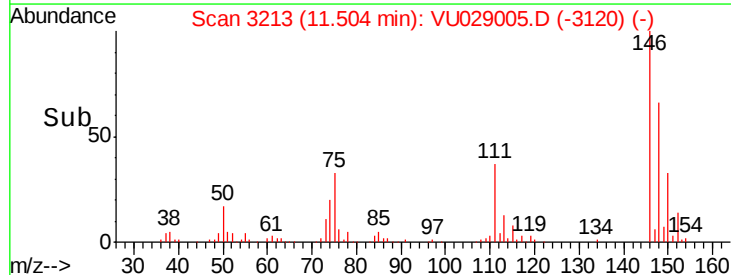
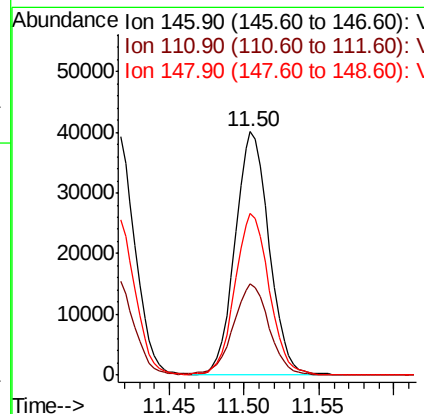
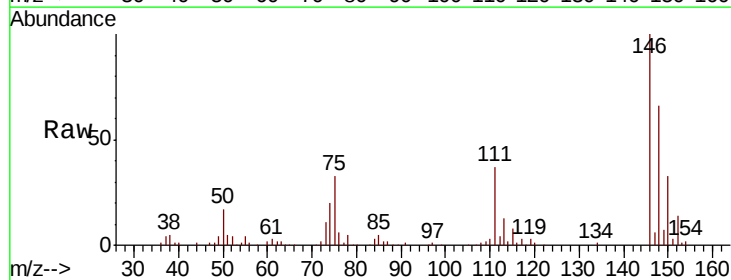
RT: 11.50 min Scan# 3213

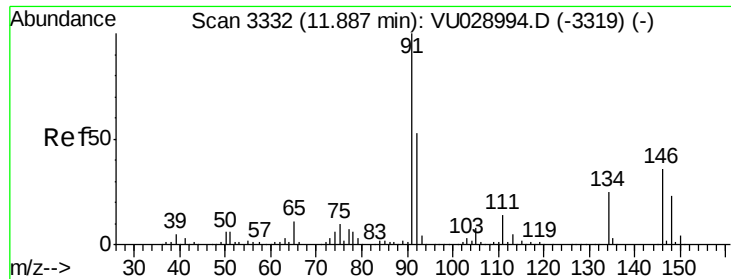
Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion:	146	Resp:	63391
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.1	57.3
148	67.2	32.6	98.0





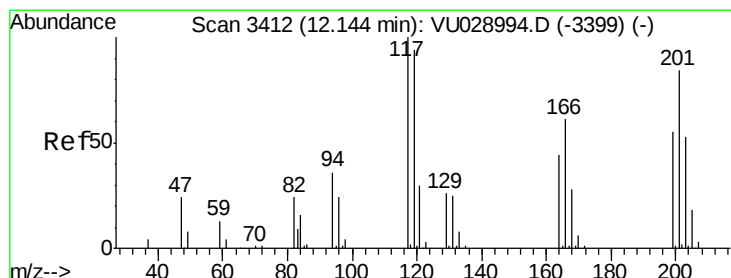
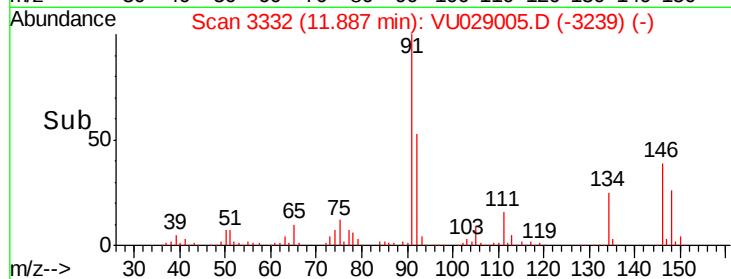
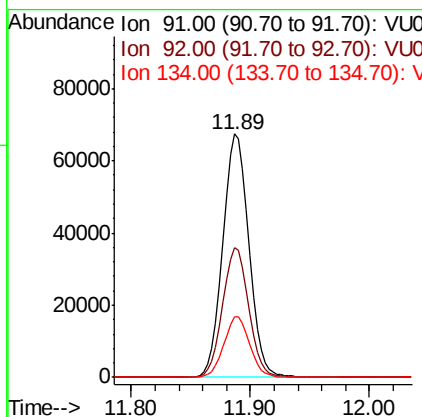
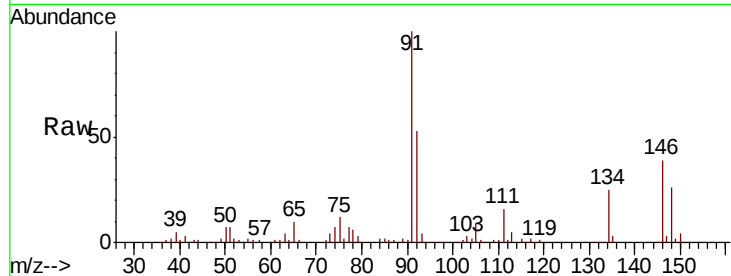
#89
n-Butylbenzene
Concen: 19.475 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion: 91 Resp: 102901
Ion Ratio Lower Upper
91 100
92 53.1 26.2 78.5
134 24.6 12.6 37.6

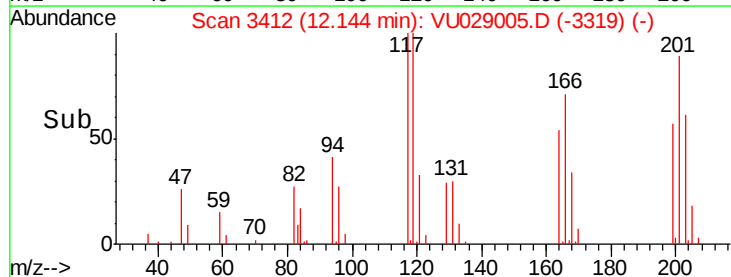
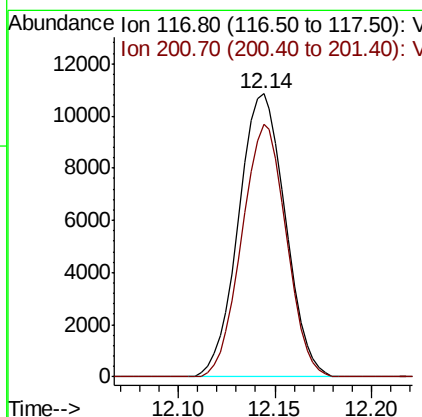
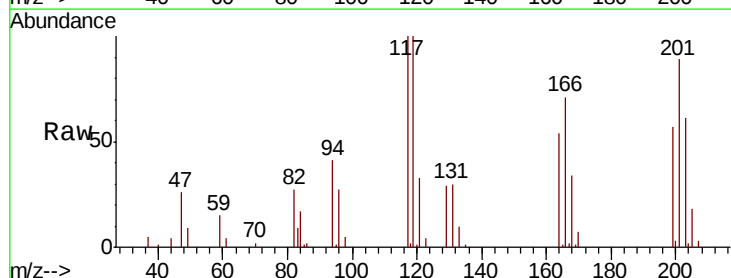
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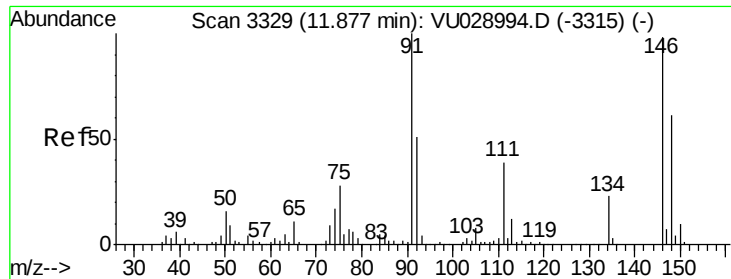
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#90
Hexachloroethane
Concen: 18.347 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion: 117 Resp: 18272
Ion Ratio Lower Upper
117 100
201 84.6 42.4 127.3





#91

1,2-Dichlorobenzene

Concen: 18.793 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Instrument :

MSVOA_U

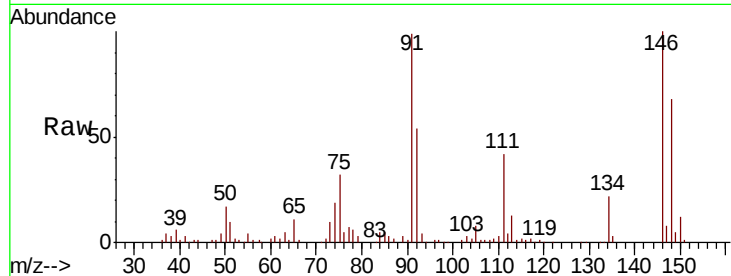
ClientSampleId :

VU0103WBSD01

Tgt Ion:	146	Resp:	63149
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.0	59.9
148	65.9	31.6	94.8

Manual Integrations
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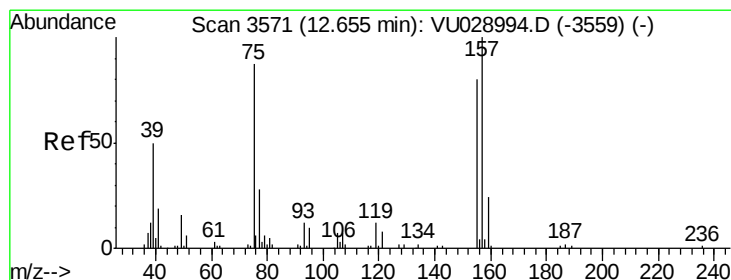
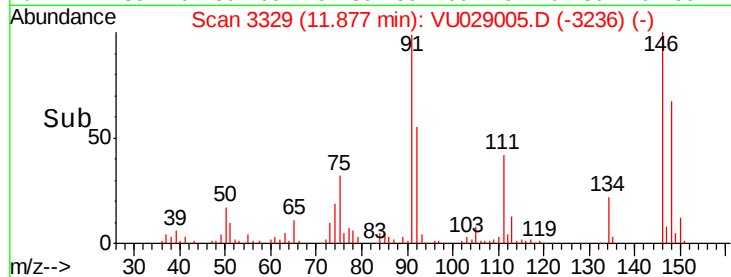
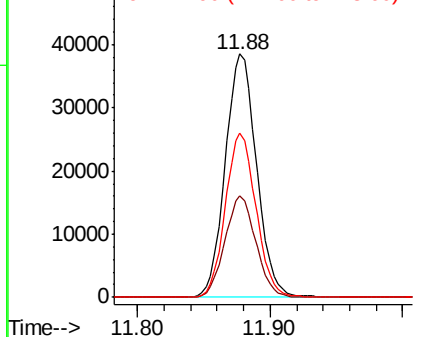


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.946 ug/l

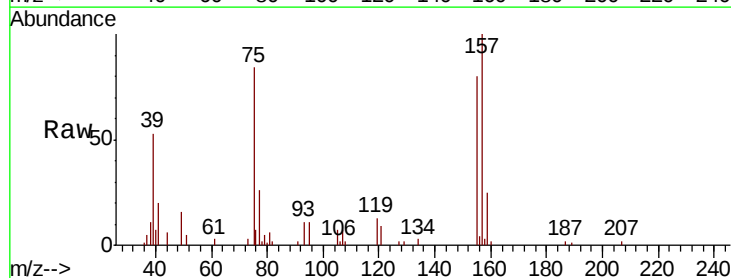
RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029005.D

Acq: 03 Jan 2019 18:25

Tgt Ion:	75	Resp:	10731
Ion Ratio	Lower	Upper	
75	100		
155	90.8	46.3	138.8
157	121.0	57.4	172.0

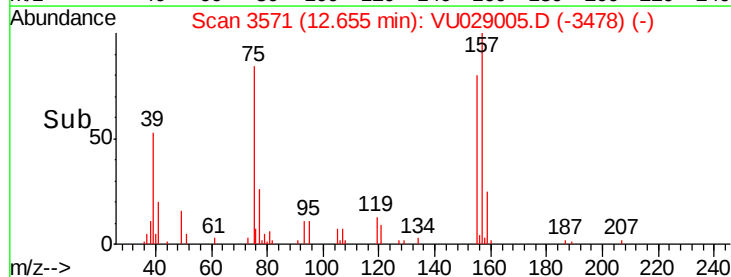
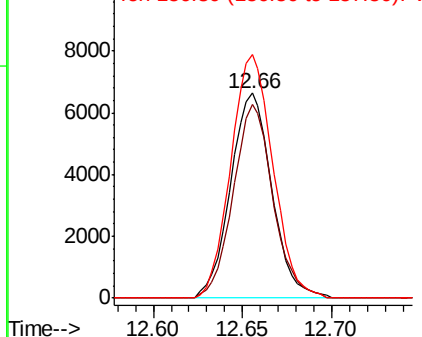


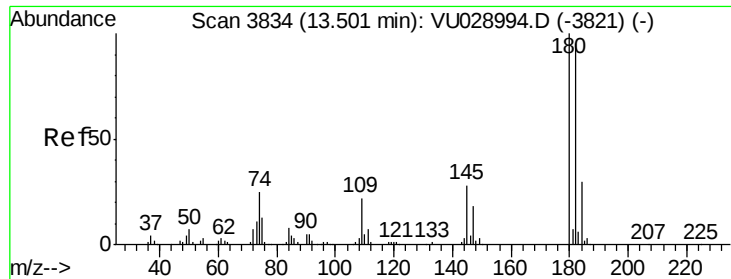
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





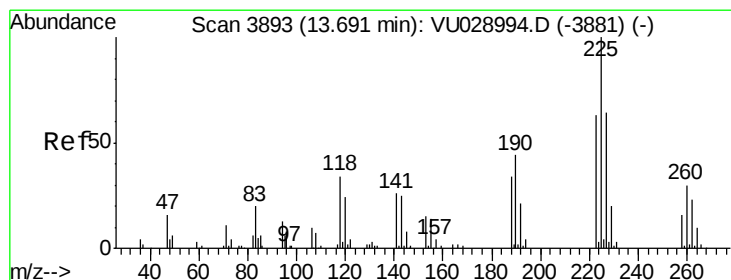
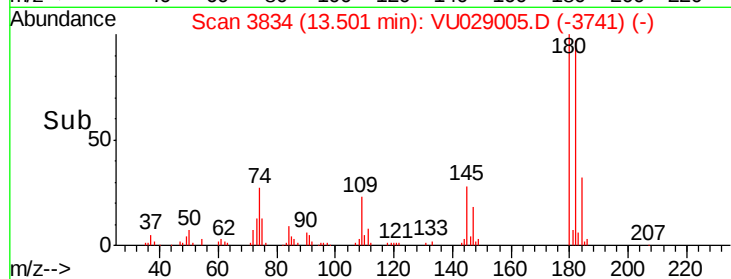
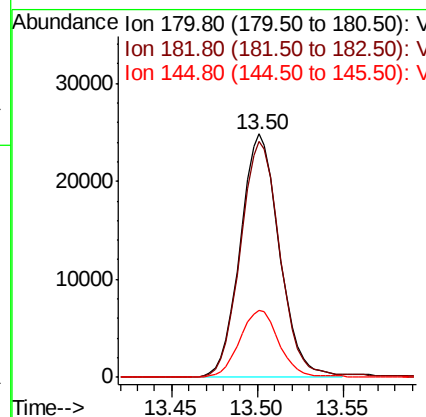
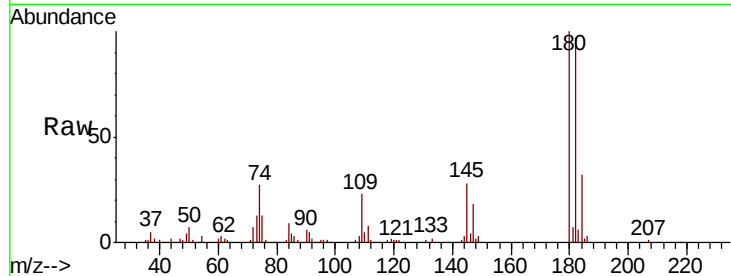
#93
 1,2,4-Trichlorobenzene
 Concen: 18.324 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0103WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.5	142.6
145	27.7	14.0	42.0

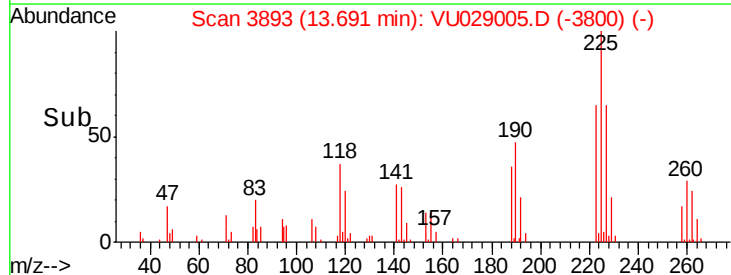
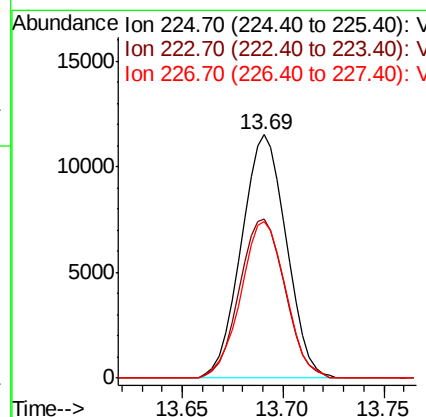
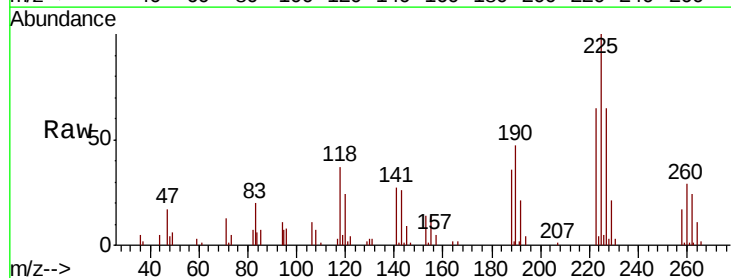
Manual Integrations
 APPROVED

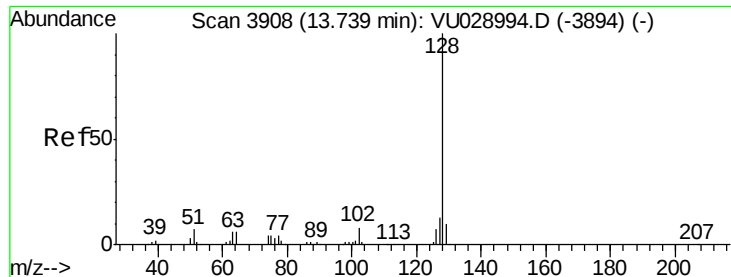
MMDadoda
 1/4/2019 9:51:28 AM



#94
 Hexachlorobutadiene
 Concen: 18.367 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029005.D
 Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	31.4	94.0
227	64.0	31.9	95.5





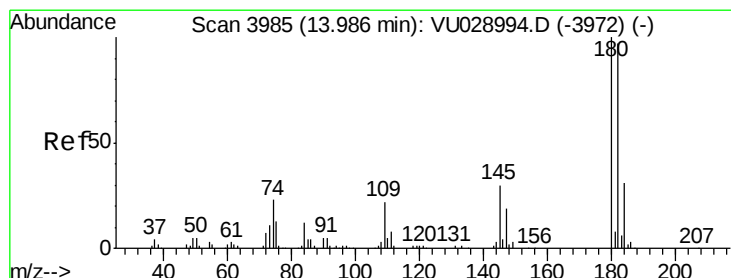
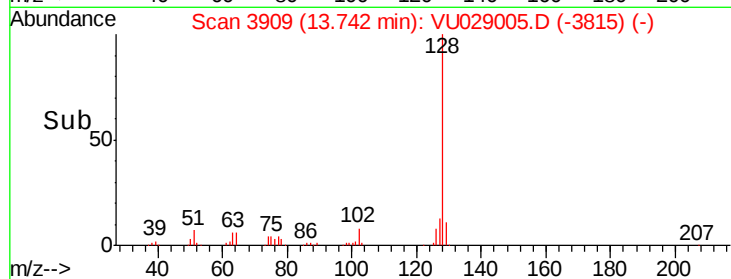
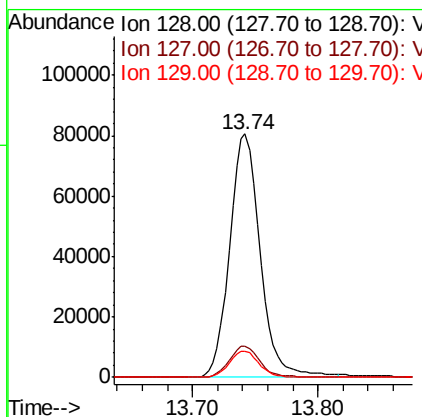
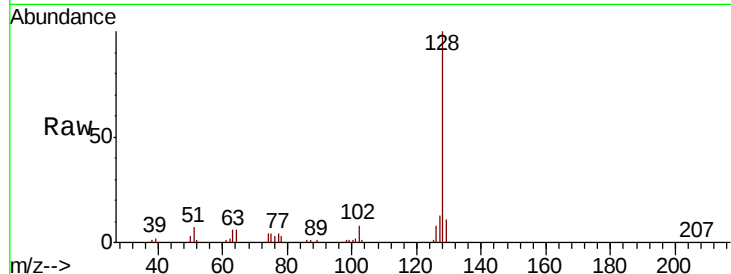
#95
Naphthalene
Concen: 18.664 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Instrument :
MSVOA_U
ClientSampleId :
VU0103WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	136190		
127	12.8	10.1	15.1	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/4/2019 9:51:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.425 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029005.D
Acq: 03 Jan 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41831		
182	94.5	48.1	144.3	
145	29.9	14.8	44.4	

