

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028995.D
 Acq On : 03 Jan 2019 14:18
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 9:51:00 AM

Quant Time: Jan 04 00:54:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	128930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	211889	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	204623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	110354	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	156714	98.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.66%	
35) Dibromofluoromethane	4.88	113	135714	98.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.62%	
50) Toluene-d8	7.56	98	549514	101.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.68%	
62) 4-Bromofluorobenzene	10.30	95	205982	105.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.40%	

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.20	85	125462	98.123	ug/l	100
3) Chloromethane	1.32	50	203515	88.942	ug/l	100
4) Vinyl Chloride	1.40	62	186189	98.813	ug/l	99
5) Bromomethane	1.60	94	95140	84.336	ug/l	99
6) Chloroethane	1.67	64	109310	97.395	ug/l	98
7) Trichlorofluoromethane	1.87	101	200053	97.435	ug/l	99
8) Diethyl Ether	2.10	74	97564	98.909	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	130550	95.029	ug/l	98
10) Methyl Iodide	2.40	142	136676	105.808	ug/l	99
11) Tert butyl alcohol	2.85	59	197741	488.096	ug/l	99
12) 1,1-Dichloroethene	2.27	96	134457	100.552	ug/l	99
13) Acrolein	2.19	56	143978	473.289	ug/l	100
14) Allyl chloride	2.58	41	247791	100.995	ug/l	100
15) Acrylonitrile	2.94	53	495285	498.317	ug/l	100
16) Acetone	2.32	43	439874	438.100	ug/l	100
17) Carbon Disulfide	2.47	76	438777	88.178	ug/l	99
18) Methyl Acetate	2.61	43	222448	95.284	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	458565	97.542	ug/l	98
20) Methylene Chloride	2.69	84	161522	94.750	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	148198	95.392	ug/l	98
22) Diisopropyl ether	3.57	45	484457	99.908	ug/l	98
23) Vinyl Acetate	3.52	43	2039422	514.469	ug/l	100
24) 1,1-Dichloroethane	3.44	63	279272	99.767	ug/l	99
25) 2-Butanone	4.26	43	668147	492.692	ug/l	98
26) 2,2-Dichloropropane	4.22	77	219754	97.157	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	169591	99.808	ug/l	100
28) Bromochloromethane	4.54	49	116278	97.010	ug/l	99
29) Tetrahydrofuran	4.64	42	412859	501.953	ug/l	100
30) Chloroform	4.67	83	264252	99.112	ug/l	98
31) Cyclohexane	4.99	56	263772	85.148	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	217343	98.656	ug/l	99
36) 1,1-Dichloropropene	5.13	75	206763	97.625	ug/l	99
37) Ethyl Acetate	4.38	43	232759	96.152	ug/l	100
38) Carbon Tetrachloride	5.13	117	179239	101.468	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	259516	99.671	ug/l	99
40) Benzene	5.39	78	650999	98.541	ug/l	100
41) Methacrylonitrile	4.54	41	128686	103.411	ug/l	99
42) 1,2-Dichloroethane	5.40	62	200522	101.011	ug/l	99
43) Isopropyl Acetate	5.55	43	370663	103.939	ug/l	100
44) Trichloroethene	6.18	130	163836	100.090	ug/l	97
45) 1,2-Dichloropropane	6.43	63	175439	100.561	ug/l	99
46) Dibromomethane	6.56	93	111777	100.225	ug/l	99
47) Bromodichloromethane	6.76	83	210046	102.292	ug/l	99
48) Methyl methacrylate	6.62	41	189451	109.101	ug/l	99
49) 1,4-Dioxane	6.61	88	86376	2098.975	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1267419	522.218	ug/l	99
52) Toluene	7.63	92	408577	101.591	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	254166	103.040	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	275382	103.318	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	165296	102.593	ug/l	98
56) Ethyl methacrylate	8.02	69	269152	108.432	ug/l	99
57) 1,3-Dichloropropane	8.24	76	282285	102.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	594181	544.306	ug/l	100
59) 2-Hexanone	8.36	43	1009457	529.870	ug/l	99
60) Dibromochloromethane	8.48	129	167499	104.934	ug/l	98
61) 1,2-Dibromoethane	8.58	107	178797	102.321	ug/l	100
64) Tetrachloroethene	8.22	164	145257	98.545	ug/l	96
65) Chlorobenzene	9.12	112	453743	98.926	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	151906	102.054	ug/l	99
67) Ethyl Benzene	9.25	91	791516	103.361	ug/l	100
68) m/p-Xylenes	9.37	106	611619	205.558	ug/l	98
69) o-Xylene	9.78	106	301579	105.193	ug/l	98
70) Styrene	9.79	104	503452	107.121	ug/l	100
71) Bromoform	9.96	173	143848	108.535	ug/l #	99
73) Isopropylbenzene	10.16	105	776664	95.085	ug/l	99
74) N-amyl acetate	10.01	43	354196	100.631	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	308031	94.094	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	260584m	93.041	ug/l	
77) Bromobenzene	10.45	156	205383	96.487	ug/l	99
78) n-propylbenzene	10.58	91	945933	98.269	ug/l	100
79) 2-Chlorotoluene	10.66	91	550855	94.337	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	664631	97.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	98381m	73.695	ug/l	
82) 4-Chlorotoluene	10.77	91	645746	96.443	ug/l	100
83) tert-Butylbenzene	11.10	119	659988	98.169	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	688213	101.058	ug/l	99
85) sec-Butylbenzene	11.32	105	809404	99.548	ug/l	99
86) p-Isopropyltoluene	11.48	119	700940	101.169	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	373791	95.737	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	377441	93.654	ug/l	99
89) n-Butylbenzene	11.89	91	661548	106.980	ug/l	99
90) Hexachloroethane	12.14	117	112099	96.177	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	377636	96.028	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	64981	103.203	ug/l	98

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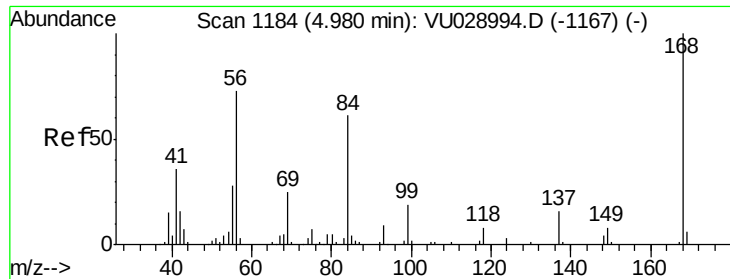
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	256781	102.289	ug/l	99
94) Hexachlorobutadiene	13.69	225	109277	95.171	ug/l	100
95) Naphthalene	13.74	128	853416	99.935	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	257983	96.654	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: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 168 Resp: 128930

Ion Ratio Lower Upper

168 100

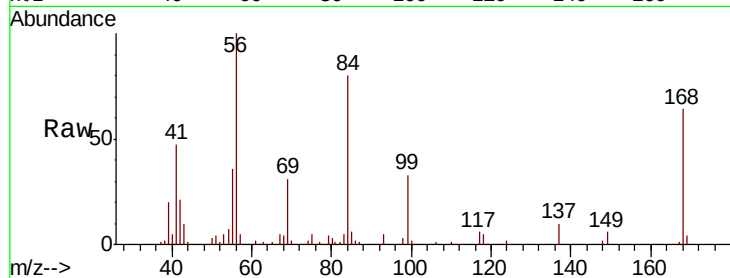
99 51.7 42.0 63.0

Manual Integrations

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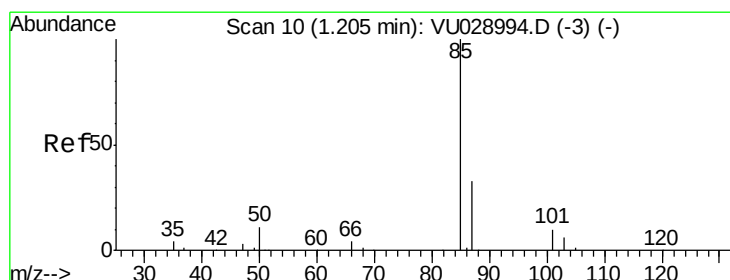
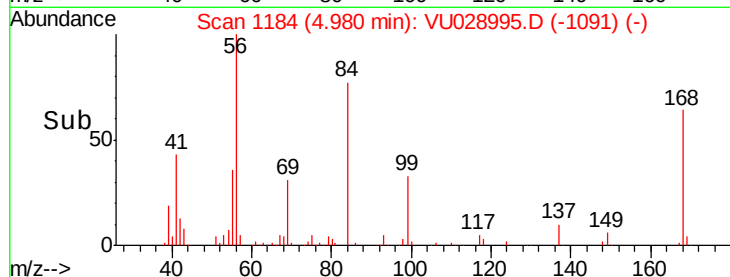
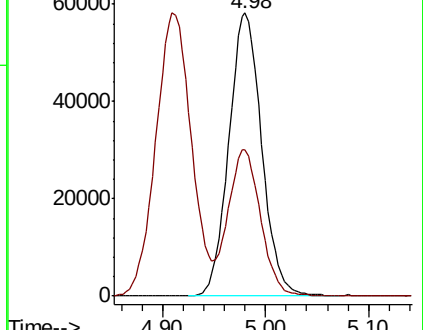
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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

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



#2

Dichlorodifluoromethane

Concen: 98.123 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028995.D

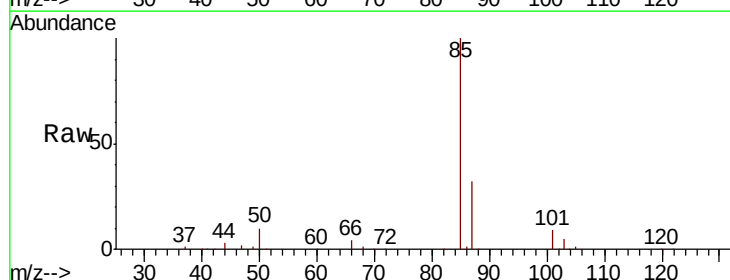
Acq: 03 Jan 2019 14:18

Tgt Ion: 85 Resp: 125462

Ion Ratio Lower Upper

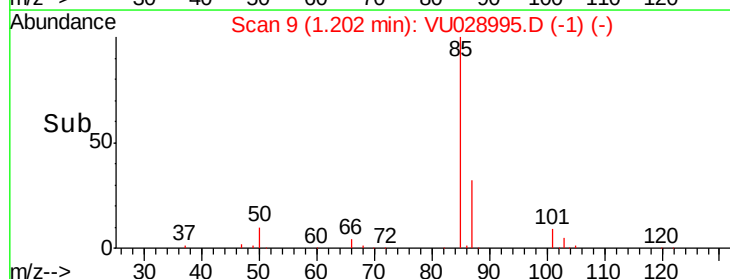
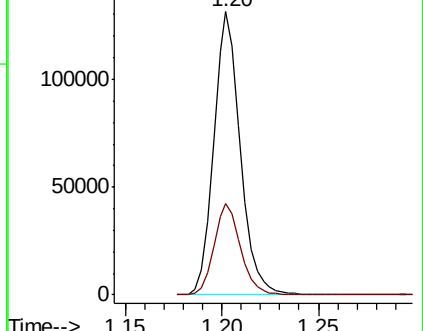
85 100

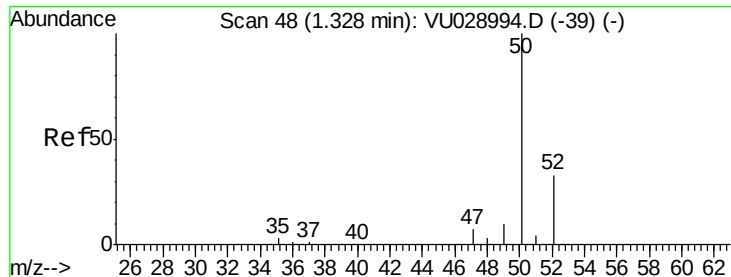
87 32.4 16.3 48.8



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

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





#3

Chloromethane

Concen: 88.942 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 203515

Ion Ratio Lower Upper

50 100

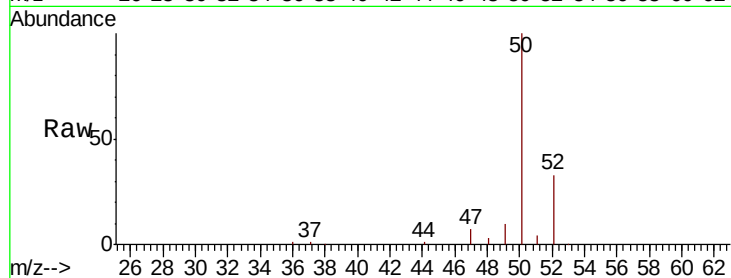
52 32.8 26.1 39.1

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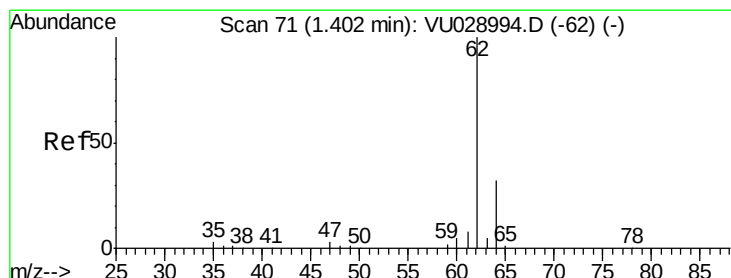
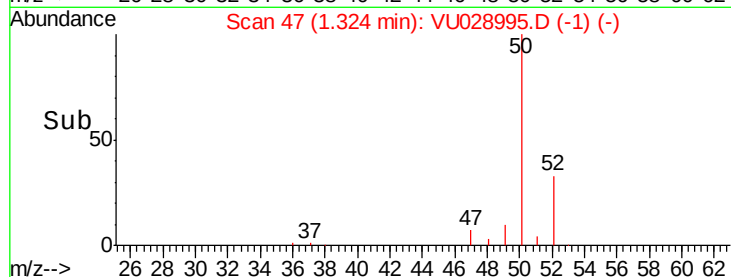
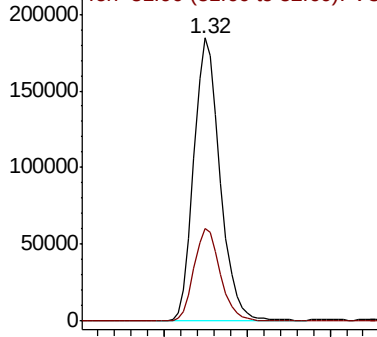
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 98.813 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028995.D

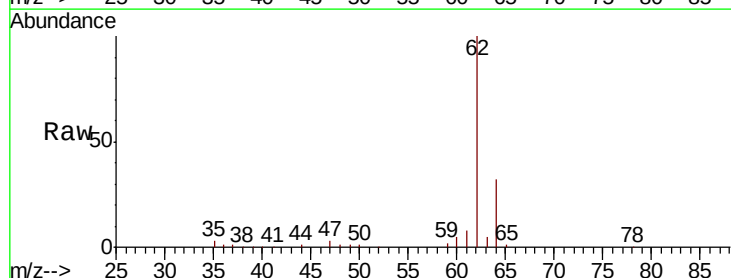
Acq: 03 Jan 2019 14:18

Tgt Ion: 62 Resp: 186189

Ion Ratio Lower Upper

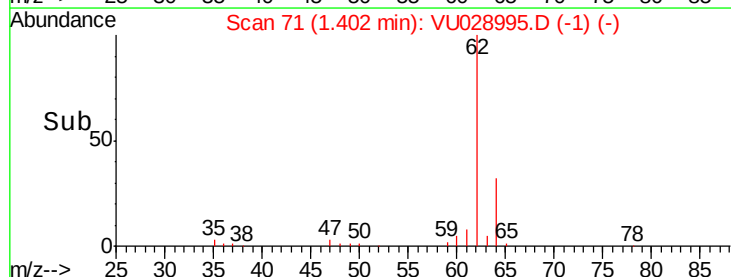
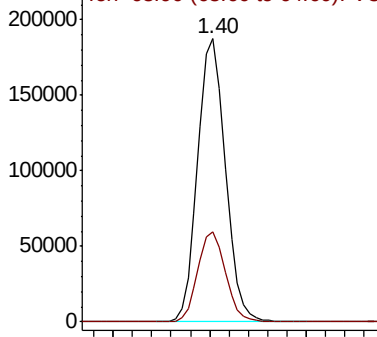
62 100

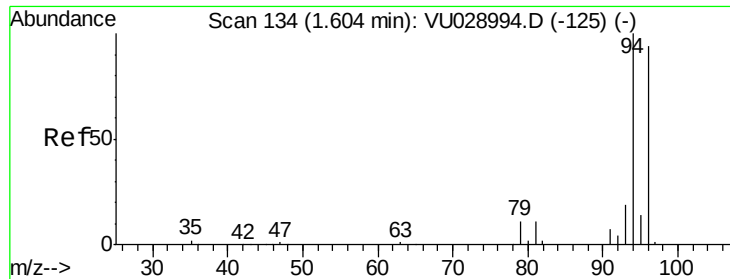
64 32.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 84.336 ug/l

RT: 1.60 min Scan# 133

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 95140

Ion Ratio Lower Upper

94 100

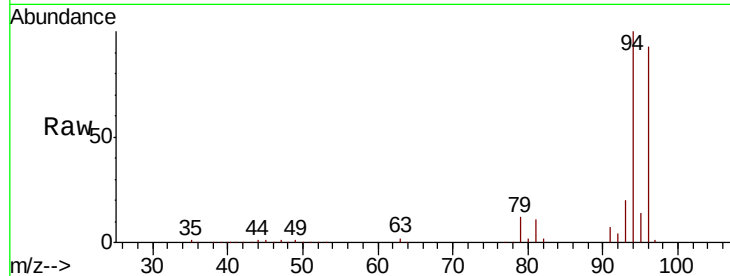
96 93.2 75.5 113.3

Manual Integrations

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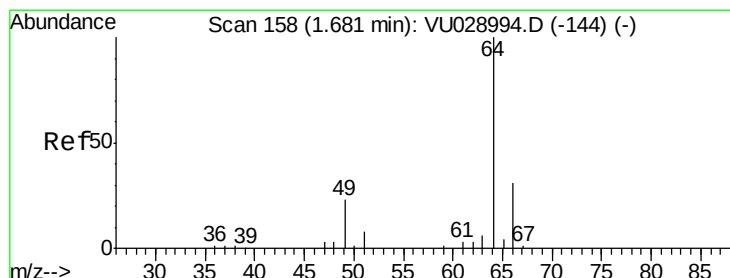
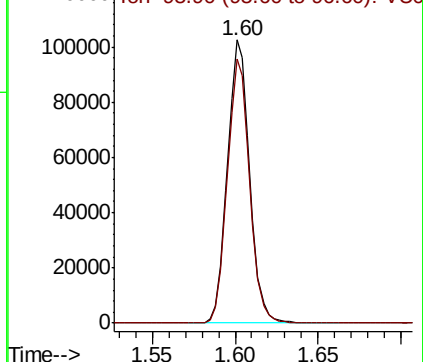
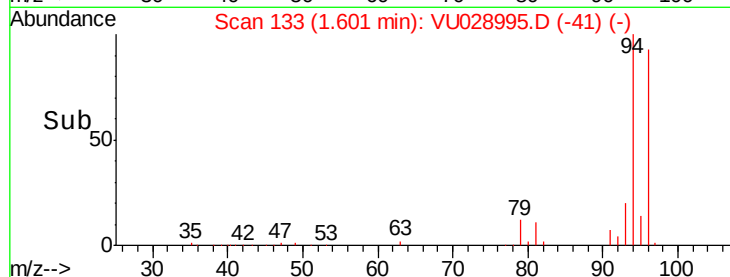
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Abundance Ion 93.90 (93.60 to 94.60): VU028994.D (-125) (-)

Ion 95.90 (95.60 to 96.60): VU028995.D (-41) (-)



#6

Chloroethane

Concen: 97.395 ug/l

RT: 1.67 min Scan# 155

Delta R.T. -0.01 min

Lab File: VU028995.D

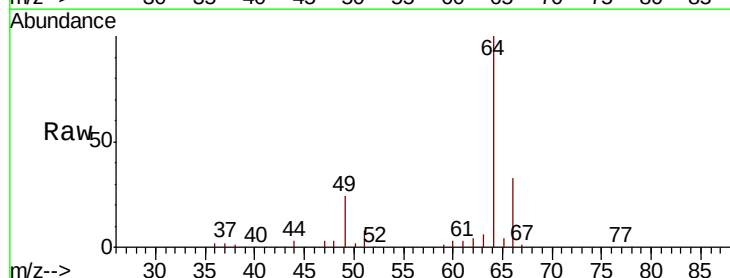
Acq: 03 Jan 2019 14:18

Tgt Ion: 64 Resp: 109310

Ion Ratio Lower Upper

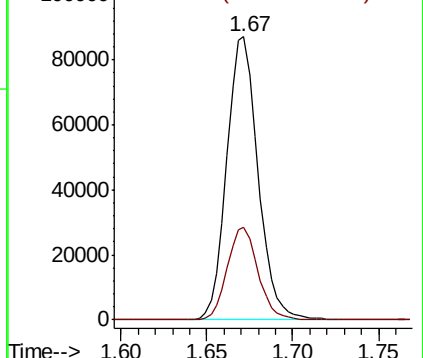
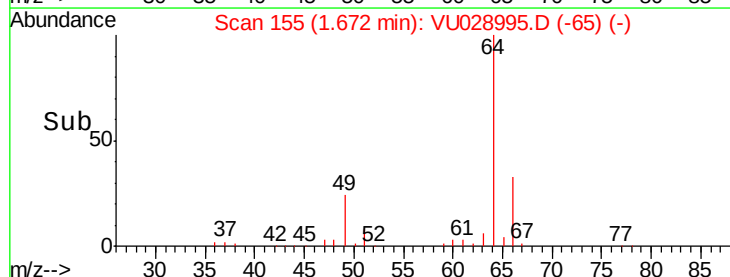
64 100

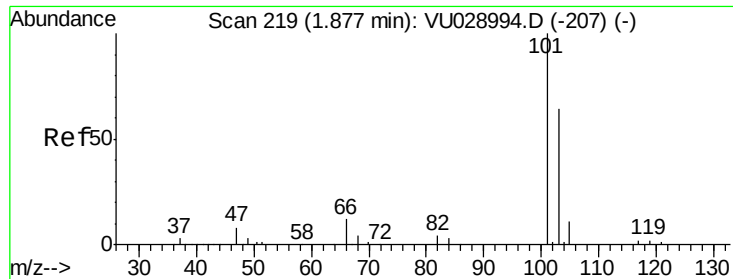
66 32.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU028994.D (-144) (-)

Ion 65.90 (65.60 to 66.60): VU028995.D (-65) (-)





#7

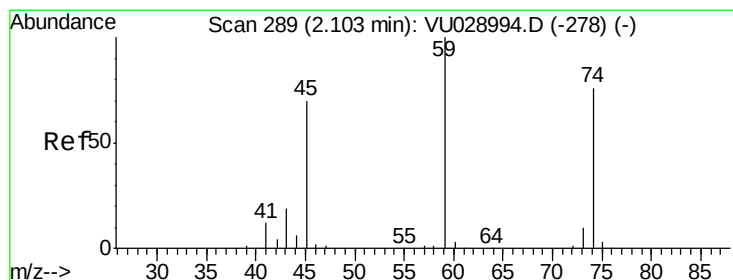
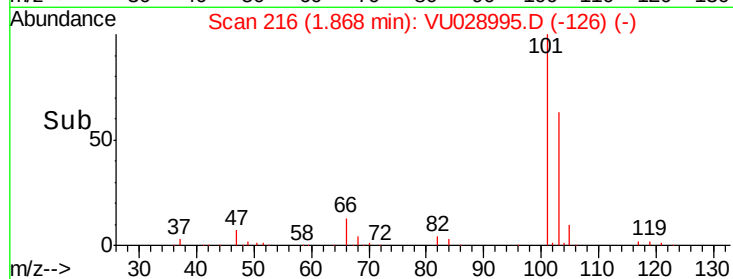
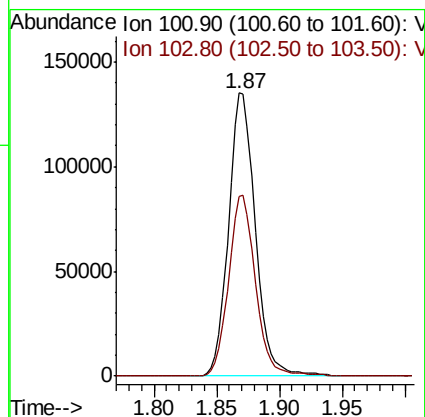
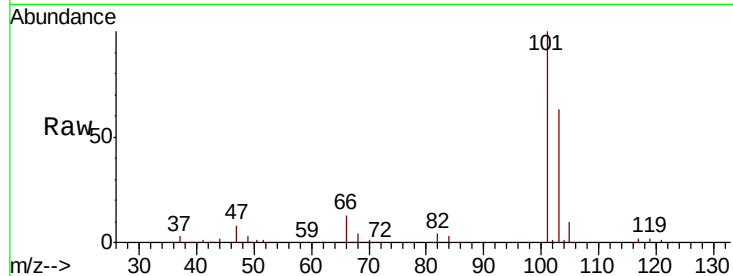
Trichlorofluoromethane
Concen: 97.435 ug/l
RT: 1.87 min Scan# 216
Delta R.T. -0.01 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tgt Ion: 101 Resp: 200053
Ion Ratio Lower Upper
101 100
103 63.5 51.5 77.3

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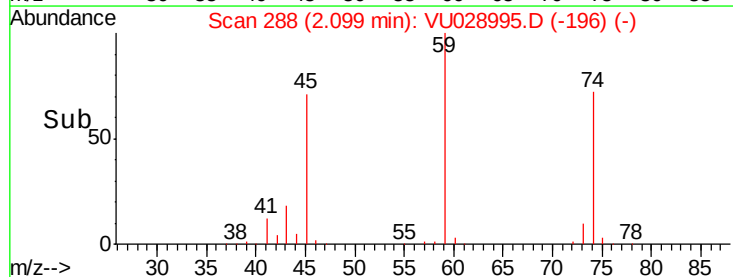
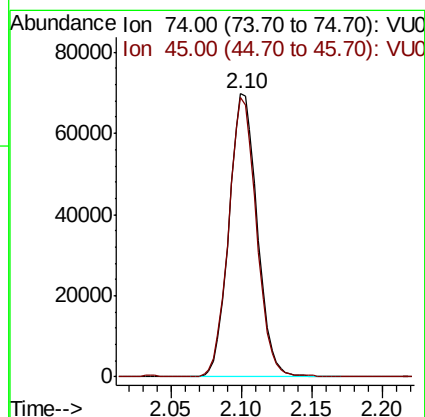
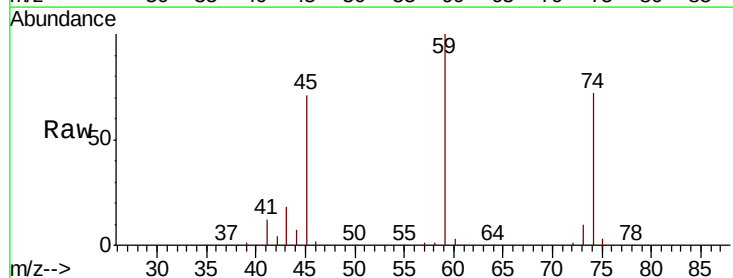
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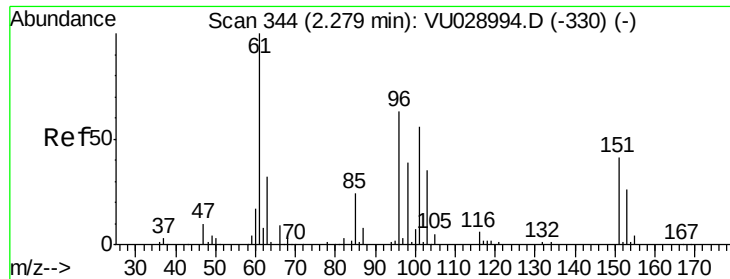


#8

Diethyl Ether
Concen: 98.909 ug/l
RT: 2.10 min Scan# 288
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 74 Resp: 97564
Ion Ratio Lower Upper
74 100
45 97.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.029 ug/l

RT: 2.28 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

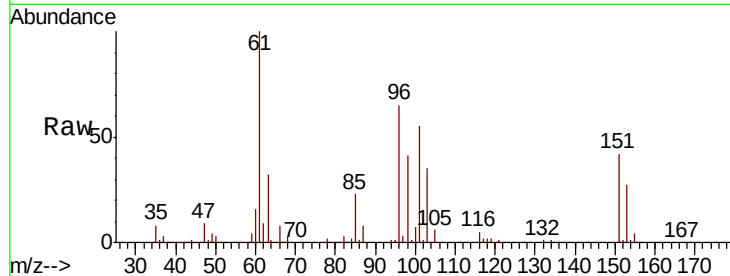
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VSTDIC100

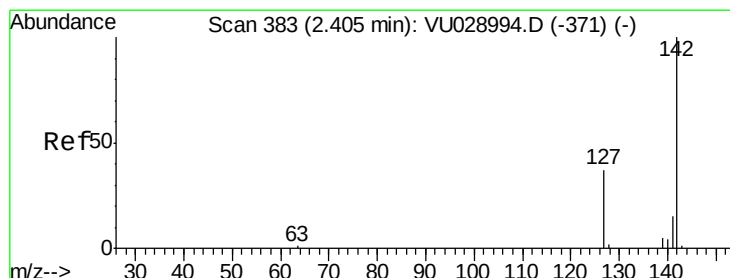
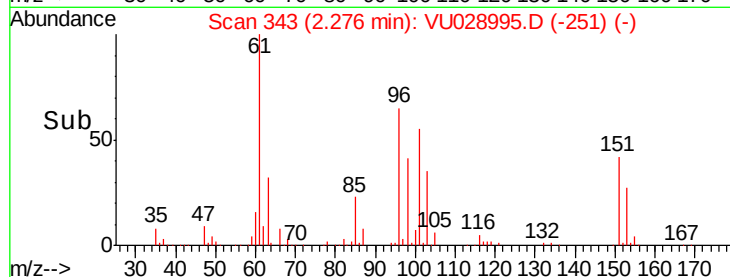
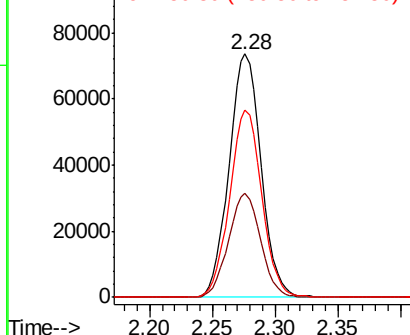
Tgt Ion:	101	Resp:	130550
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.1	52.7
151	77.2	60.2	90.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 105.808 ug/l

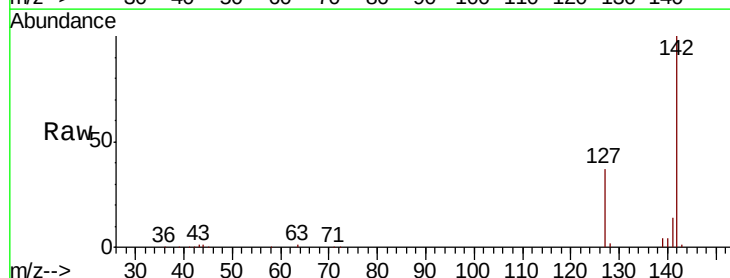
RT: 2.40 min Scan# 382

Delta R.T. -0.00 min

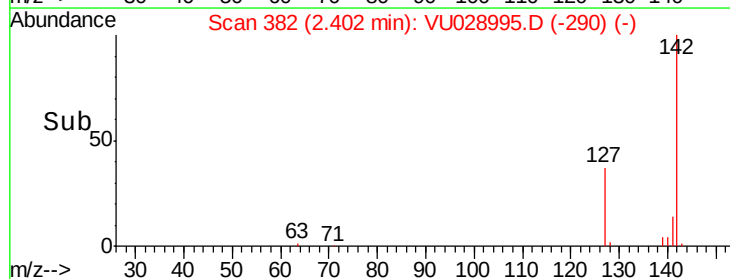
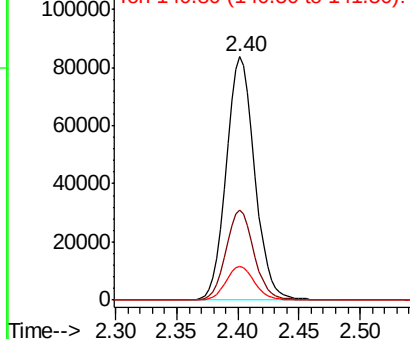
Lab File: VU028995.D

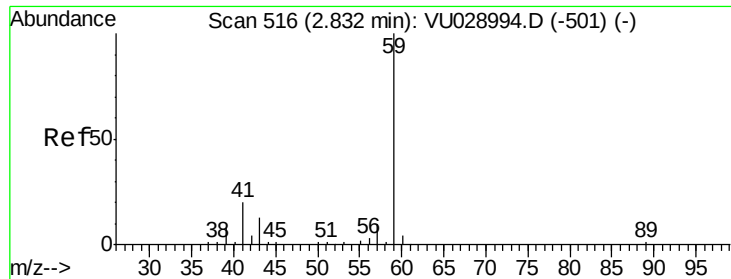
Acq: 03 Jan 2019 14:18

Tgt Ion:	142	Resp:	136676
Ion Ratio	Lower	Upper	
142	100		
127	36.5	29.8	44.6
141	13.9	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

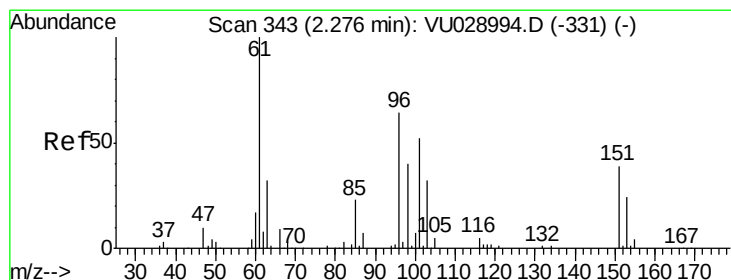
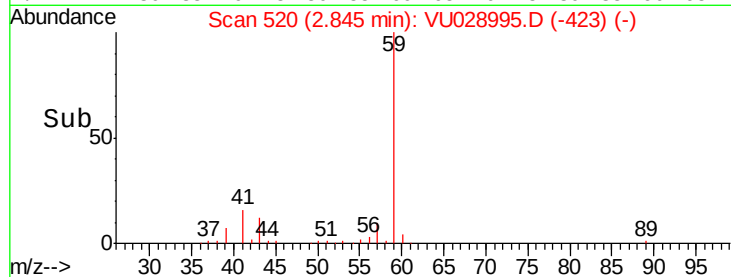
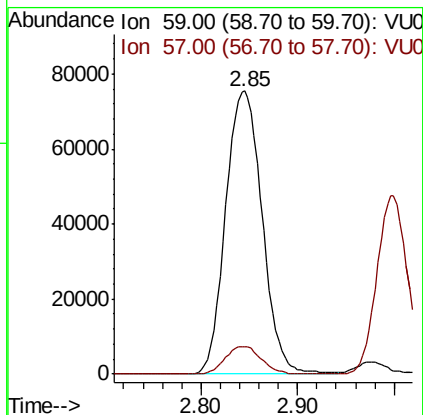
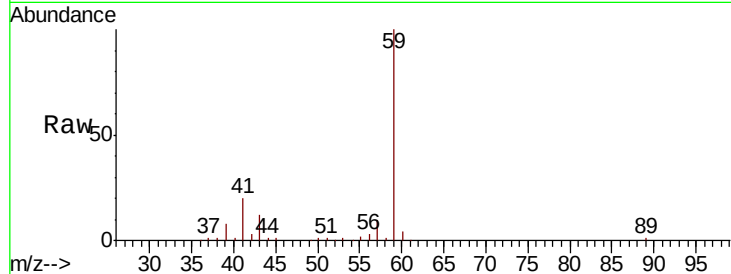
Tert butyl alcohol
Concen: 488.096 ug/l
RT: 2.85 min Scan# 520
Delta R.T. 0.01 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.9	11.9

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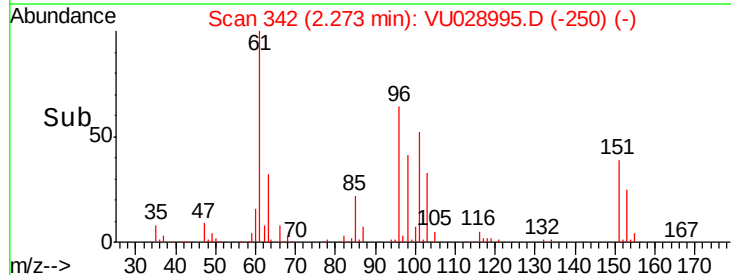
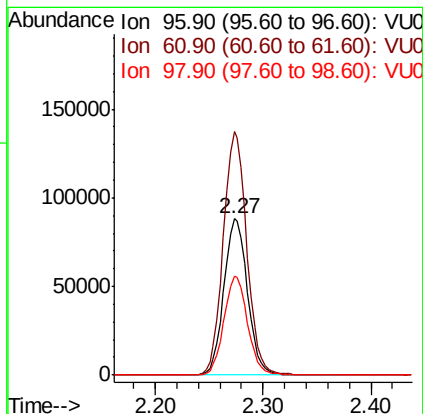
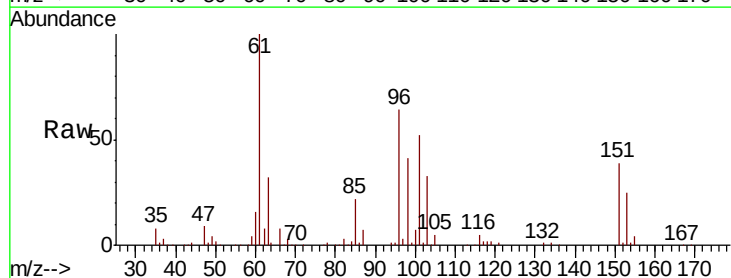
MMDadoda
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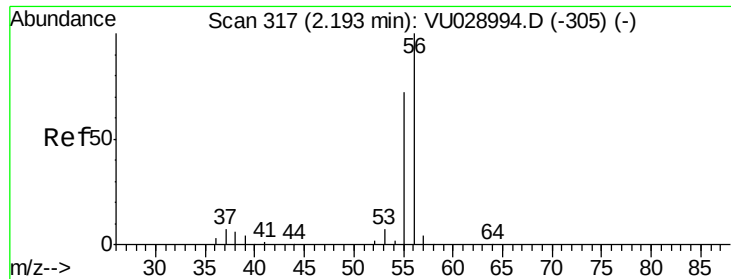


#12

1,1-Dichloroethene
Concen: 100.552 ug/l
RT: 2.27 min Scan# 342
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	125.4	188.0
98	63.3	49.7	74.5





#13

Acrolein

Concen: 473.289 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 143978

Ion Ratio Lower Upper

56 100

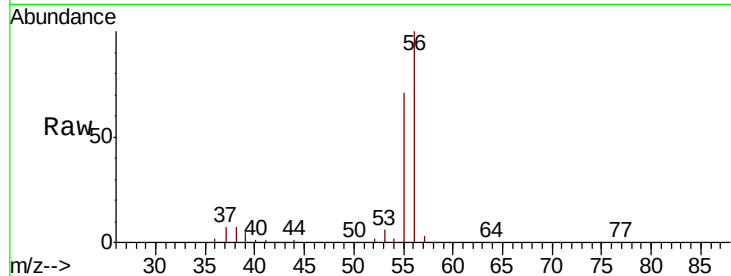
55 70.9 56.5 84.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

100000

80000

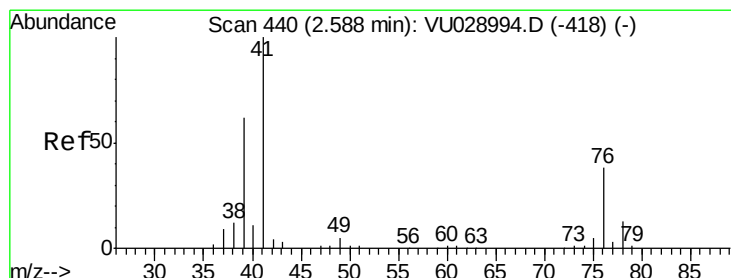
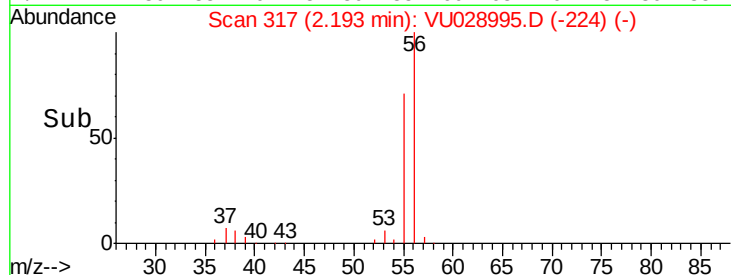
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 100.995 ug/l

RT: 2.58 min Scan# 439

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

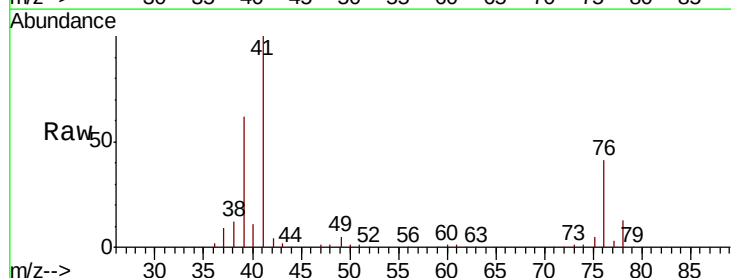
Tgt Ion: 41 Resp: 247791

Ion Ratio Lower Upper

41 100

39 56.3 45.0 67.6

76 35.2 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

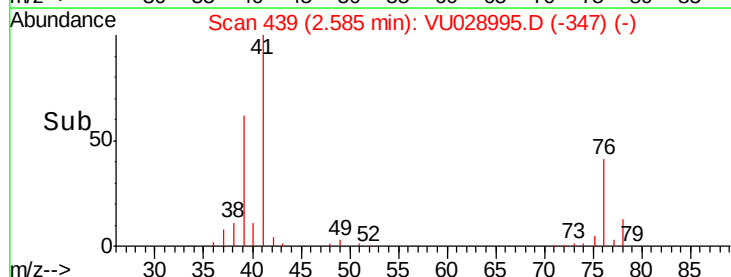
300000

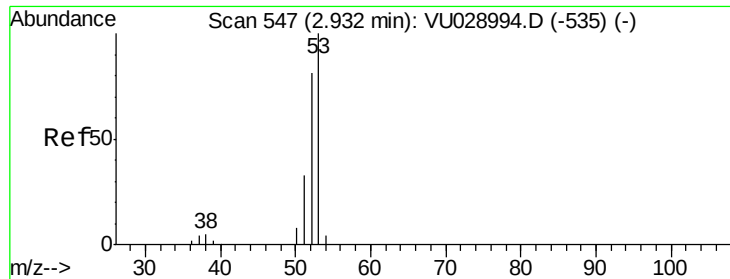
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 498.317 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

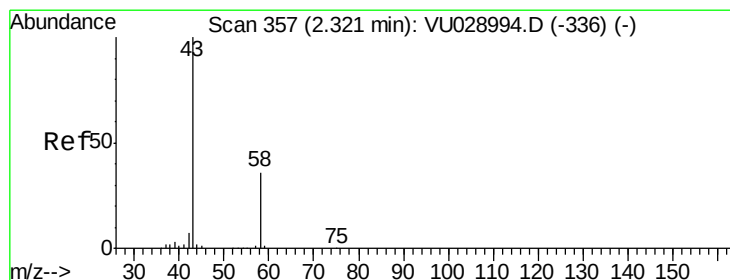
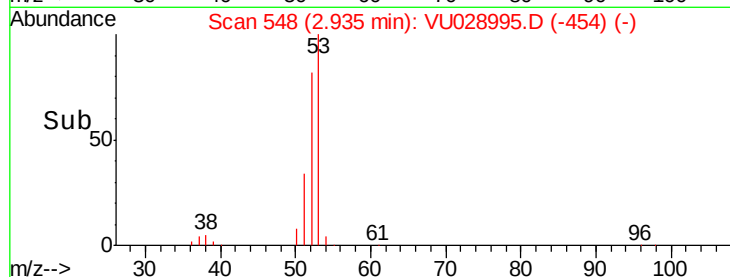
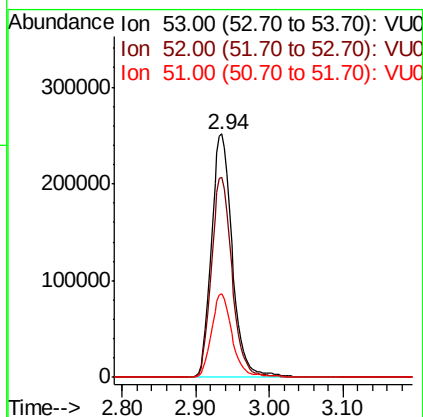
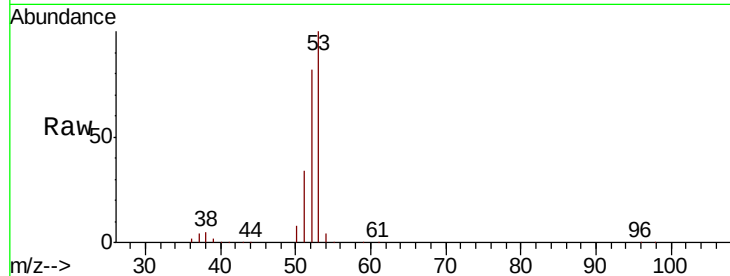
ClientSampleId :

VSTDIC100

Tgt Ion:	53	Resp:	495285
Ion	Ratio	Lower	Upper
53	100		
52	81.3	64.8	97.2
51	34.2	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 438.100 ug/l

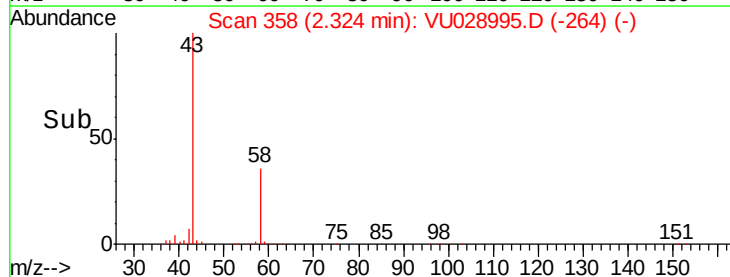
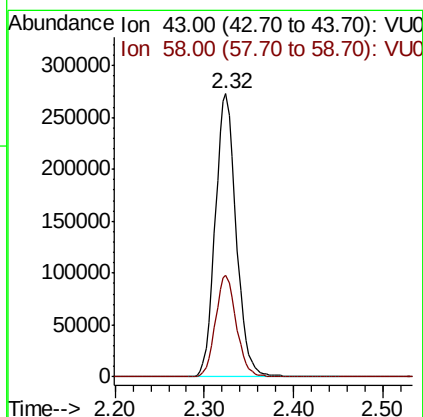
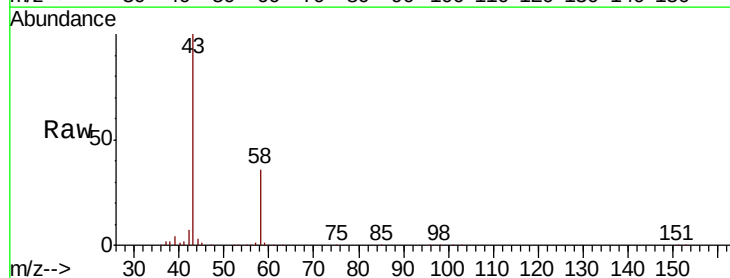
RT: 2.32 min Scan# 358

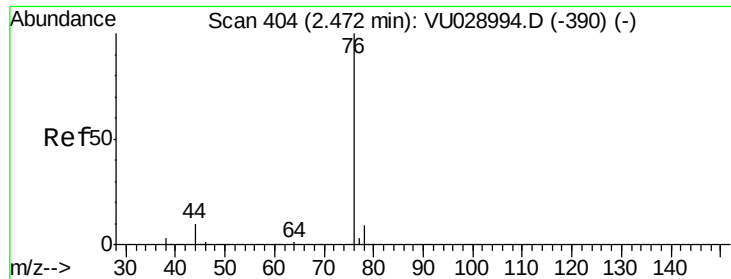
Delta R.T. 0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Tgt Ion:	43	Resp:	439874
Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8





#17

Carbon Disulfide

Concen: 88.178 ug/l

RT: 2.47 min Scan# 402

Delta R.T. -0.01 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 438777

Ion Ratio Lower Upper

76 100

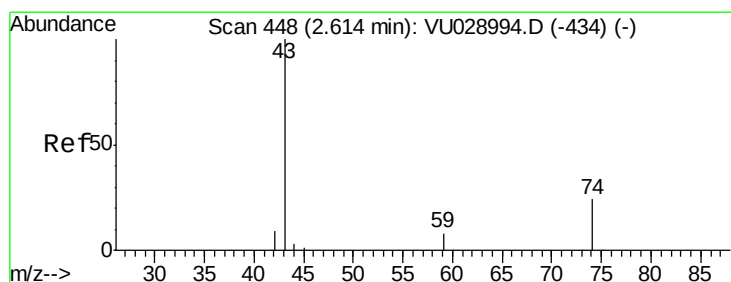
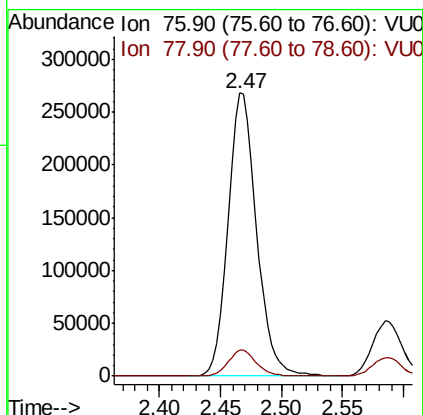
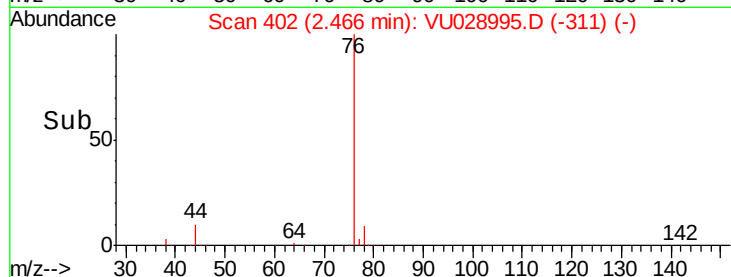
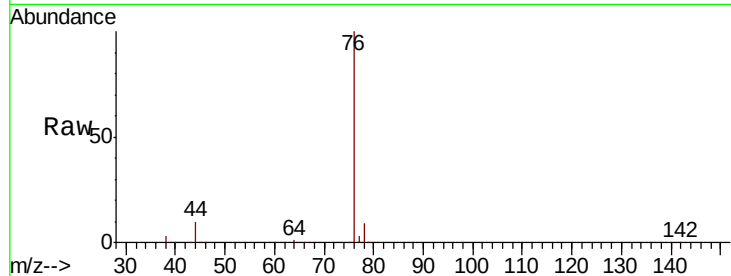
78 9.2 7.2 10.8

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#18

Methyl Acetate

Concen: 95.284 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028995.D

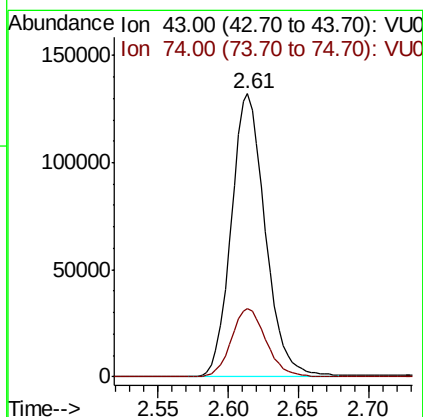
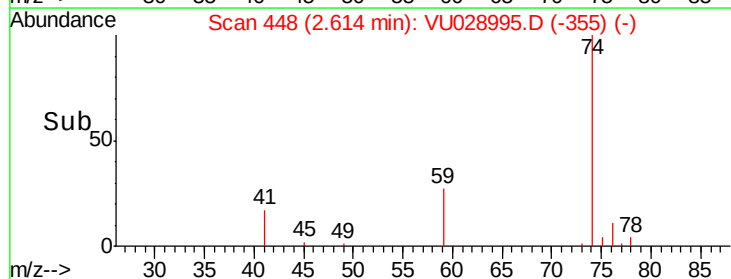
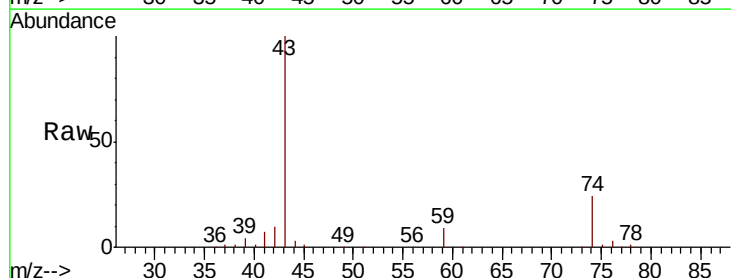
Acq: 03 Jan 2019 14:18

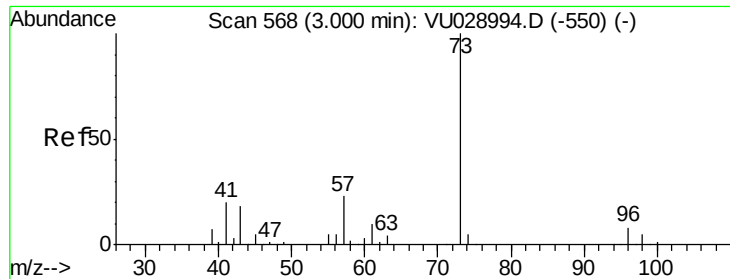
Tgt Ion: 43 Resp: 222448

Ion Ratio Lower Upper

43 100

74 25.0 19.5 29.3





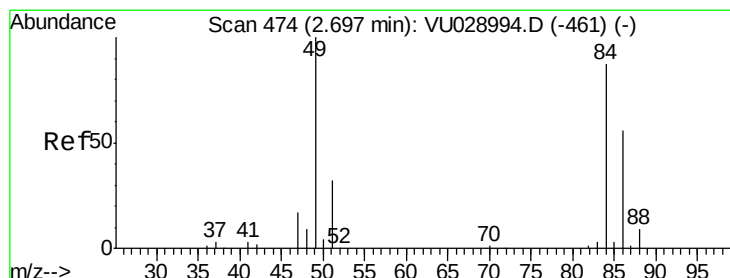
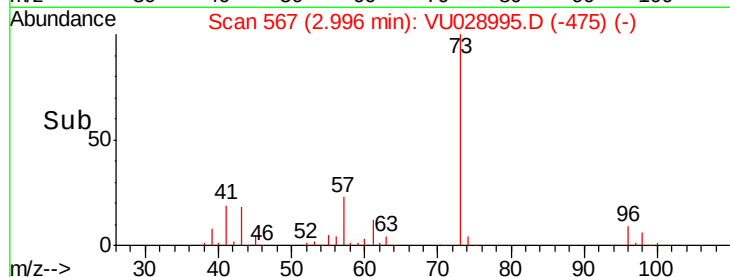
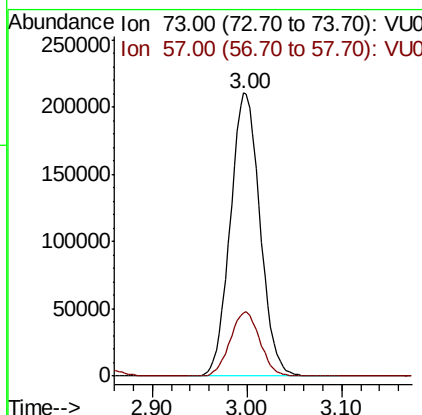
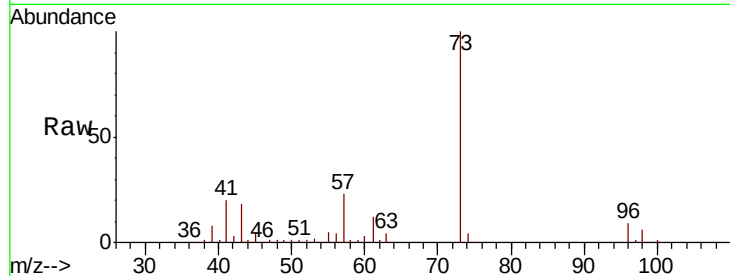
#19
Methyl tert-butyl Ether
Concen: 97.542 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 458565
Ion Ratio Lower Upper
73 100
57 22.6 18.6 28.0

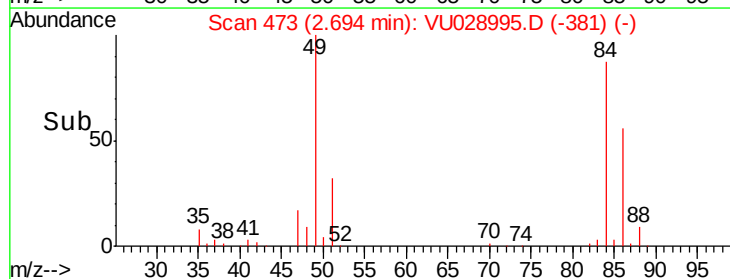
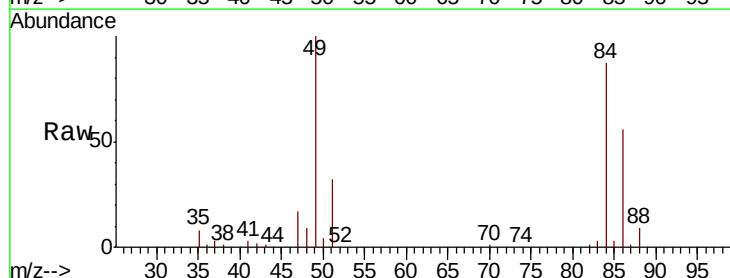
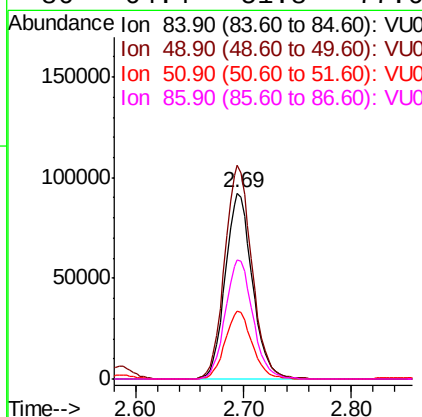
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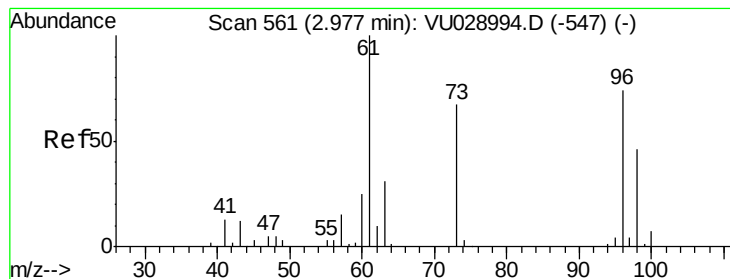
MMDadoda
1/4/2019 9:51:00 AM



#20
Methylene Chloride
Concen: 94.750 ug/l
RT: 2.69 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 84 Resp: 161522
Ion Ratio Lower Upper
84 100
49 115.1 91.9 137.9
51 36.7 29.2 43.8
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 95.392 ug/l

RT: 2.97 min Scan# 560

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 148198

Ion Ratio Lower Upper

96 100

61 136.0 107.7 161.5

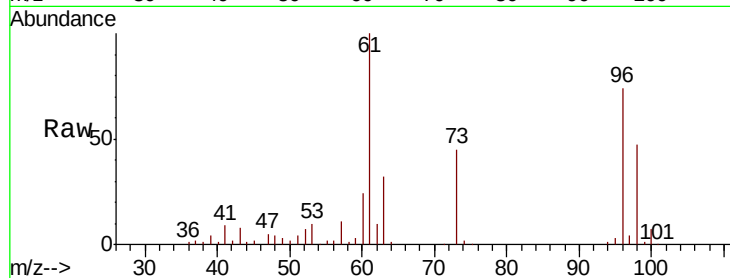
98 64.2 49.2 73.8

Manual Integrations

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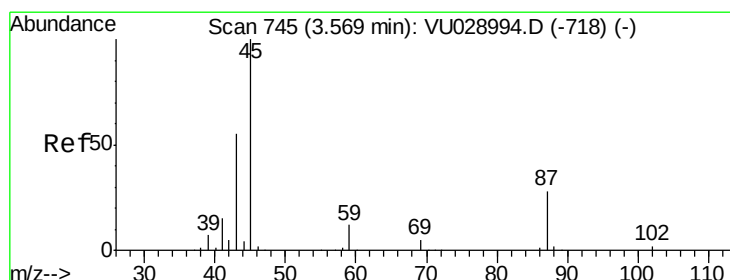
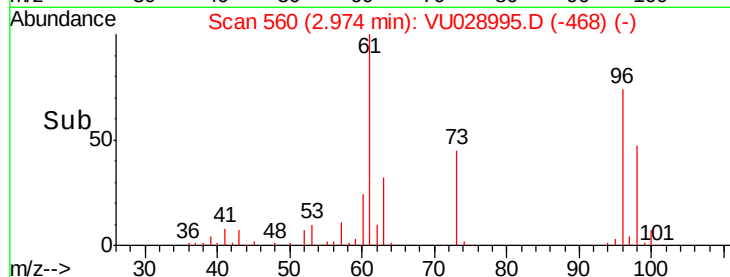
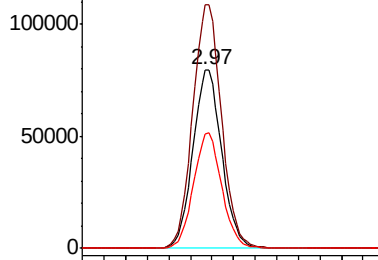


Abundance

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: 99.908 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Tgt Ion: 45 Resp: 484457

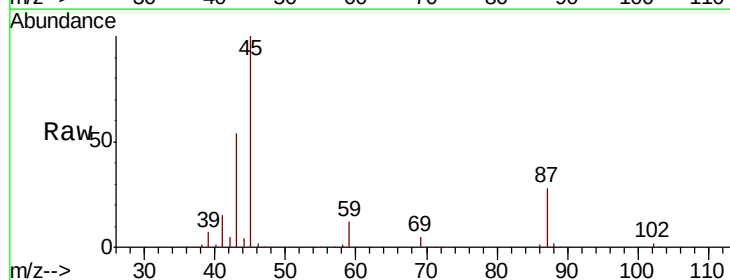
Ion Ratio Lower Upper

45 100

43 53.8 44.7 67.1

87 28.5 22.2 33.2

59 12.1 9.8 14.8



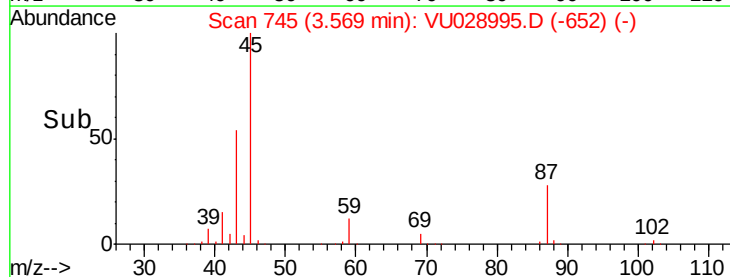
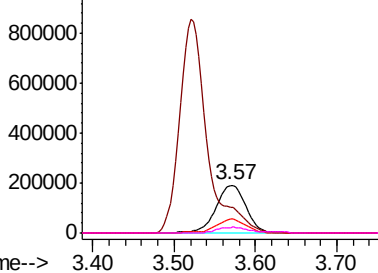
Abundance

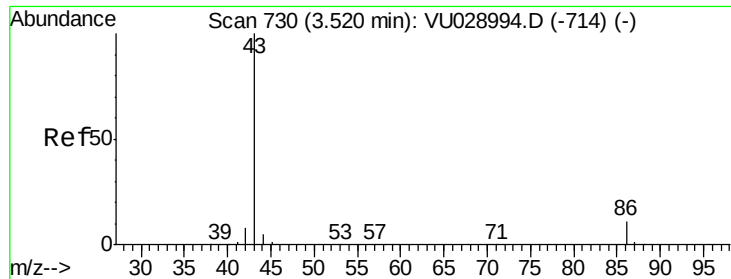
Ion 45.00 (44.70 to 45.70): VU0

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: 514.469 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2039422

Ion Ratio Lower Upper

43 100

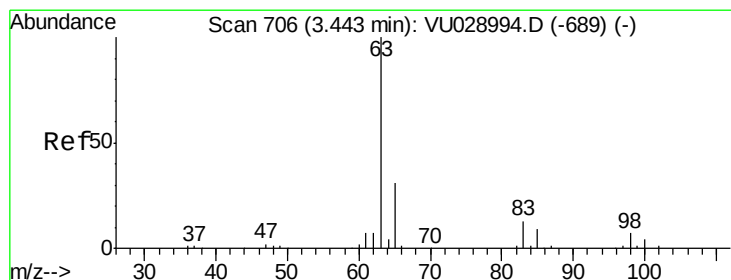
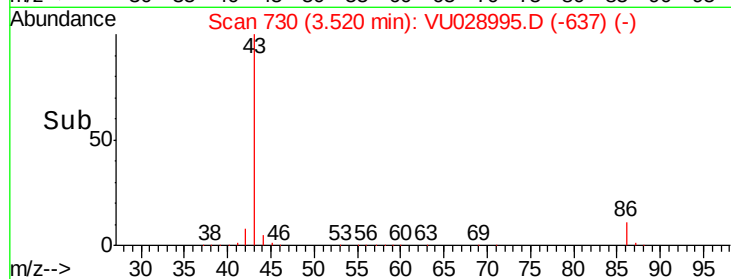
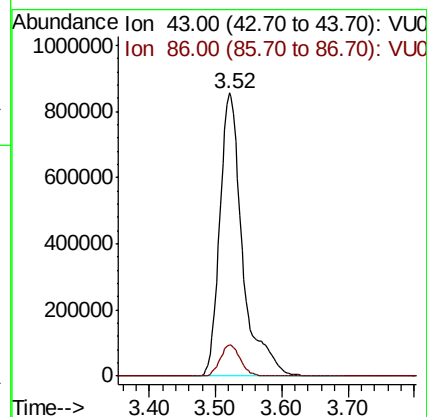
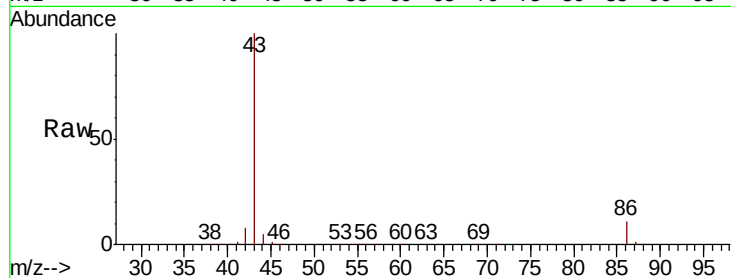
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 99.767 ug/l

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

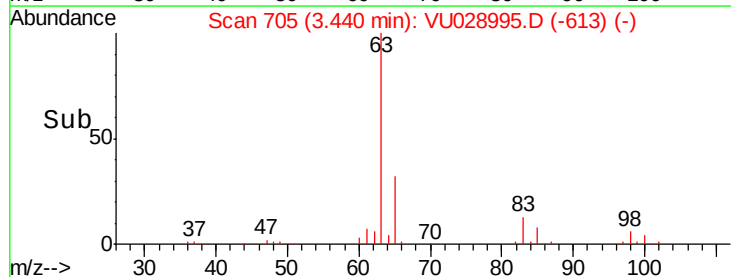
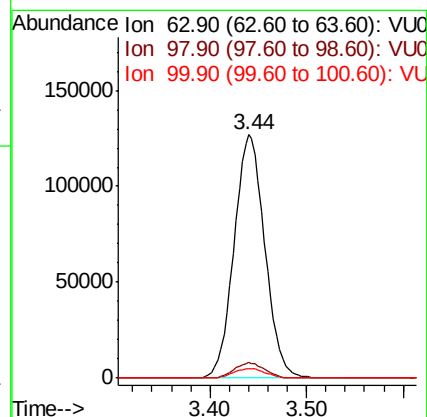
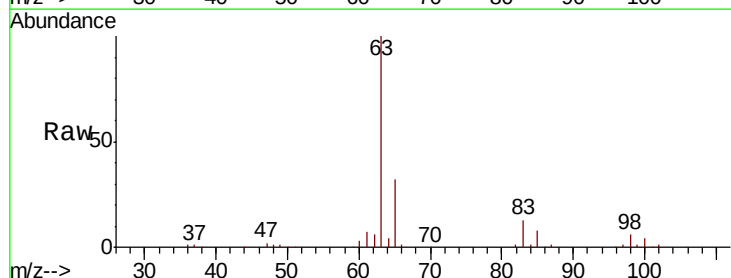
Tgt Ion: 63 Resp: 279272

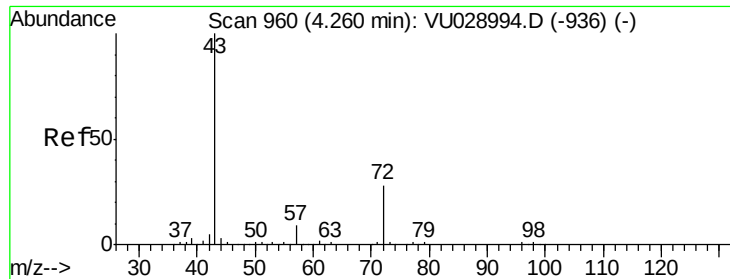
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 492.692 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 668147

Ion Ratio Lower Upper

43 100

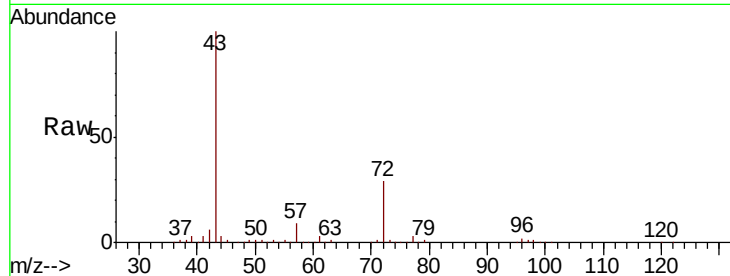
72 29.2 22.6 33.8

Manual Integrations

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

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

300000

250000

200000

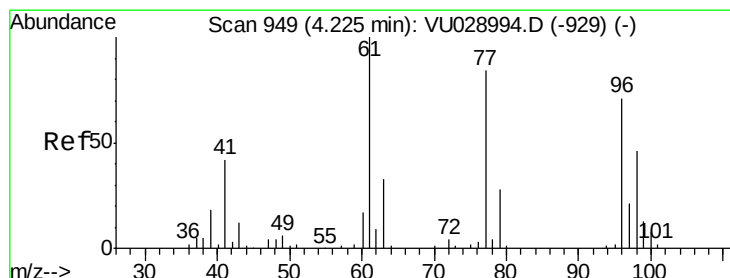
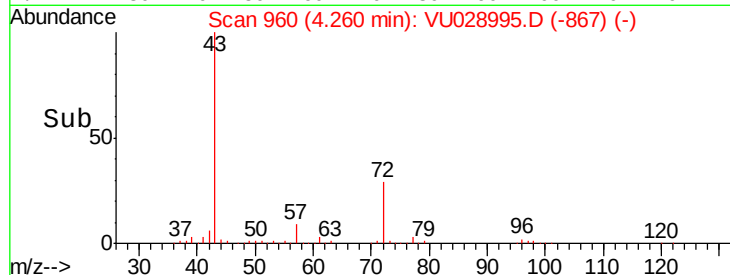
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 97.157 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028995.D

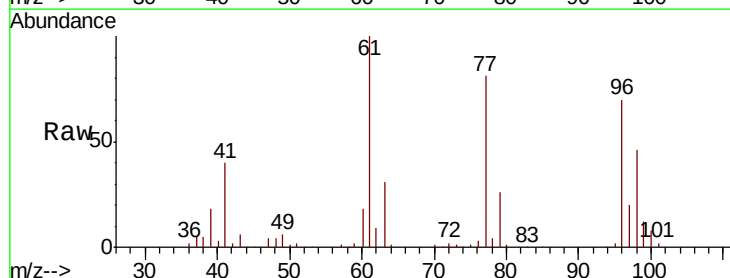
Acq: 03 Jan 2019 14:18

Tgt Ion: 77 Resp: 219754

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1



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

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

80000

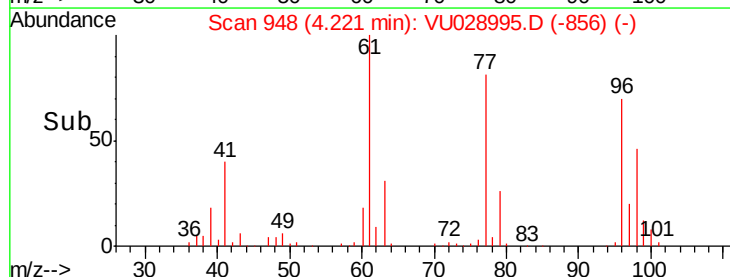
60000

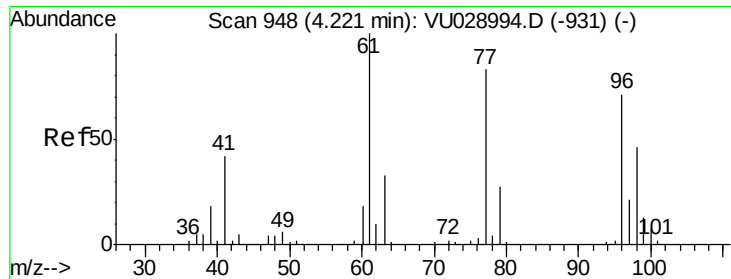
40000

20000

0

Time--> 4.10 4.20 4.30





#27

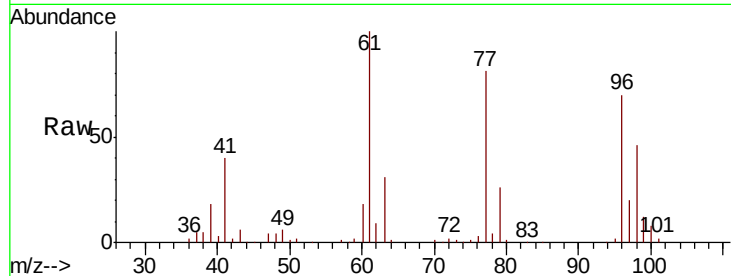
cis-1,2-Dichloroethene
Concen: 99.808 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

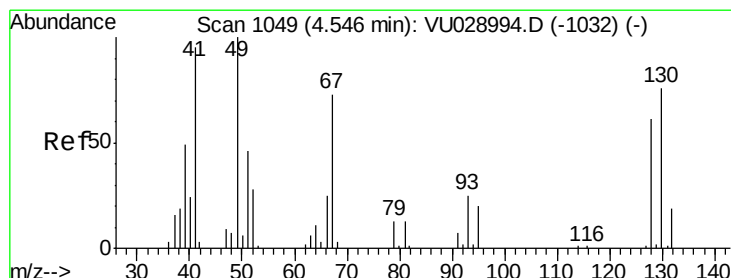
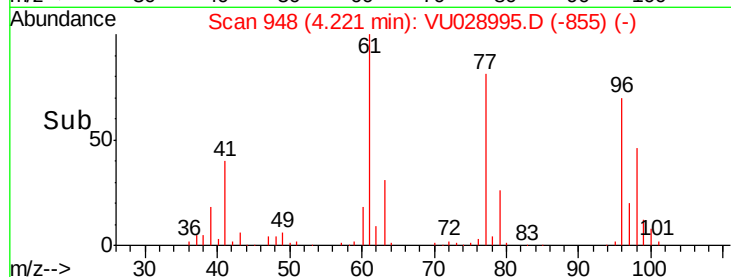
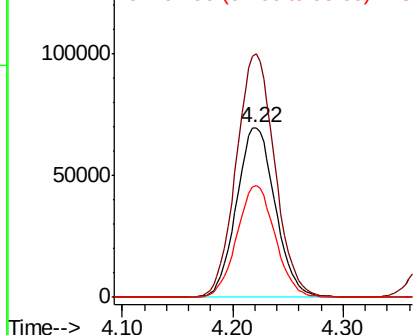
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	169591		
61	143.5	0.0	285.6	
98	65.3	0.0	130.2	

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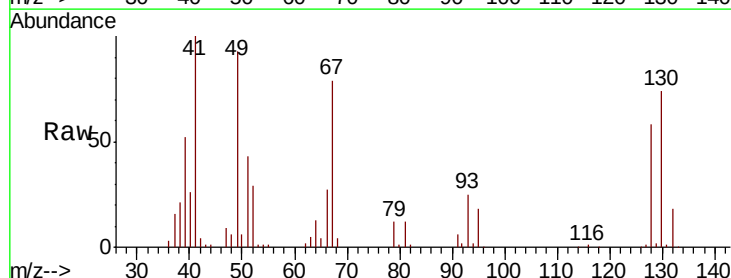
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



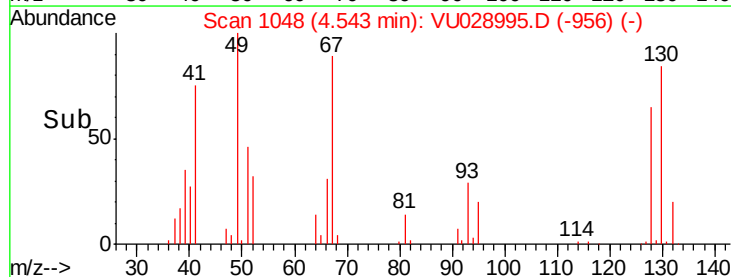
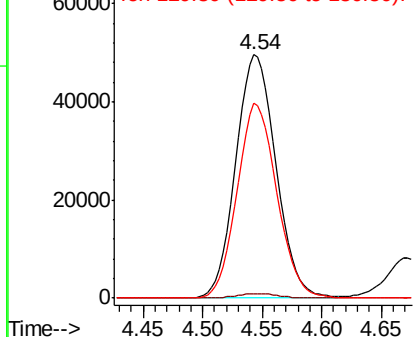
#28

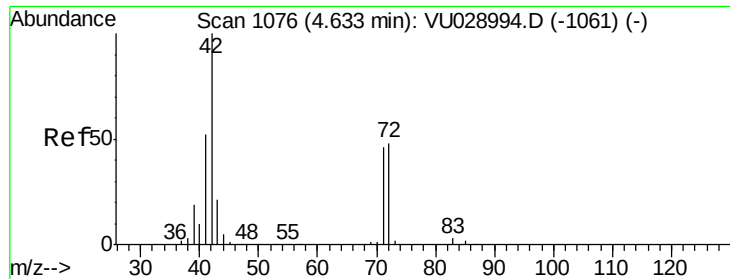
Bromochloromethane
Concen: 97.010 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116278		
129	1.9	0.0	3.4	
130	79.1	62.9	94.3	



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 501.953 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 412859
Ion Ratio Lower Upper

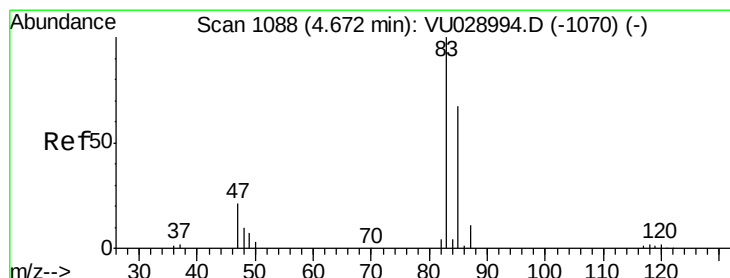
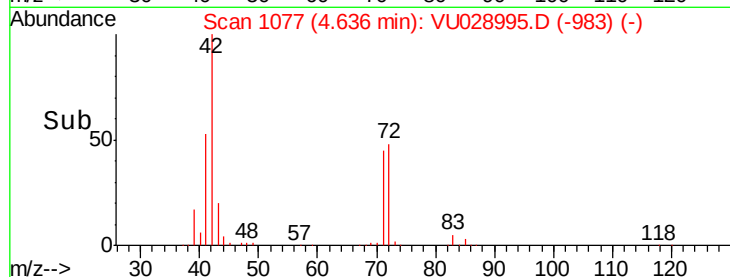
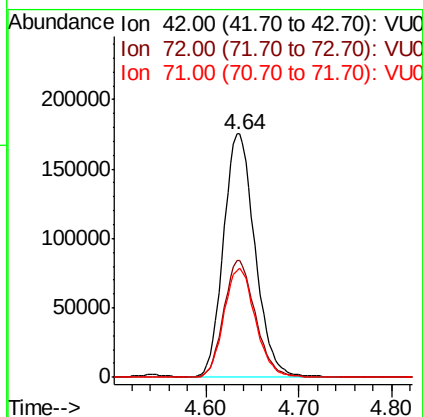
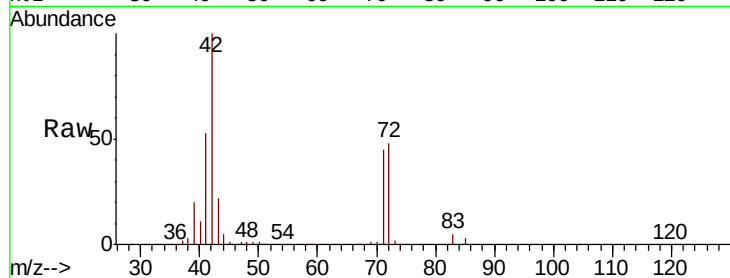
42 100

72 48.3 38.3 57.5

71 44.9 36.1 54.1

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1/4/2019 9:51:00 AM



#30

Chloroform

Concen: 99.112 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

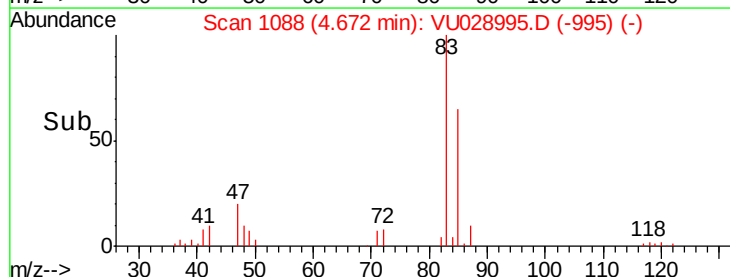
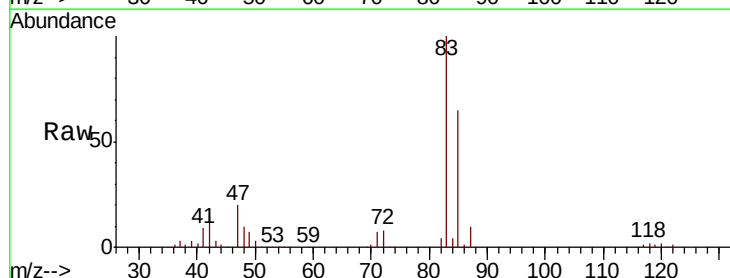
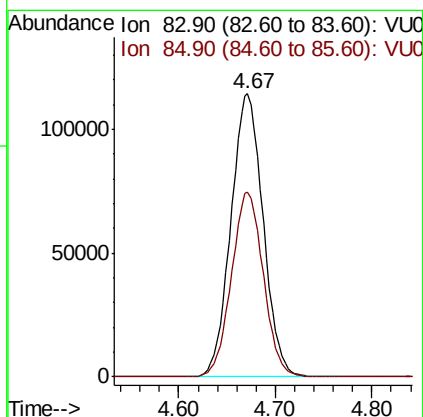
Lab File: VU028995.D

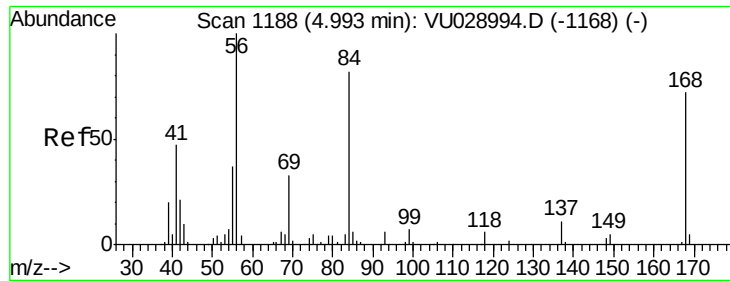
Acq: 03 Jan 2019 14:18

Tgt Ion: 83 Resp: 264252
Ion Ratio Lower Upper

83 100

85 65.5 53.4 80.0





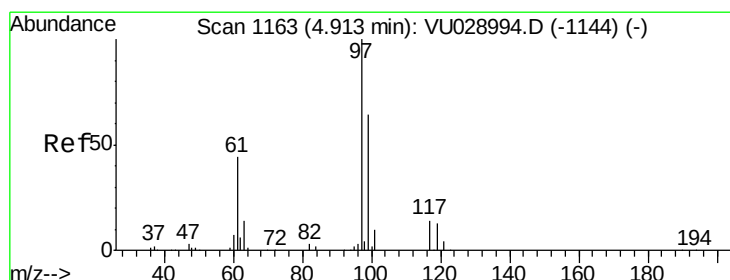
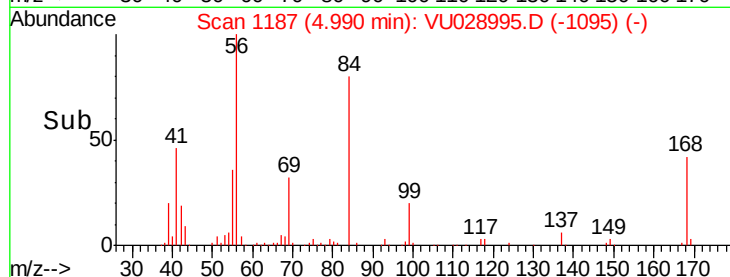
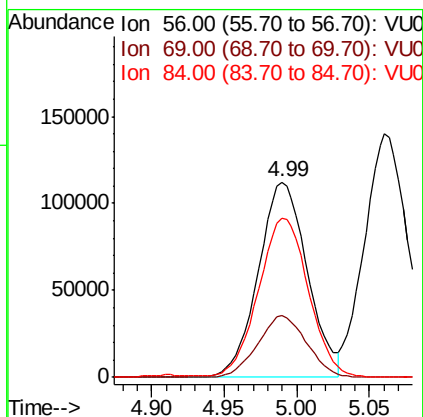
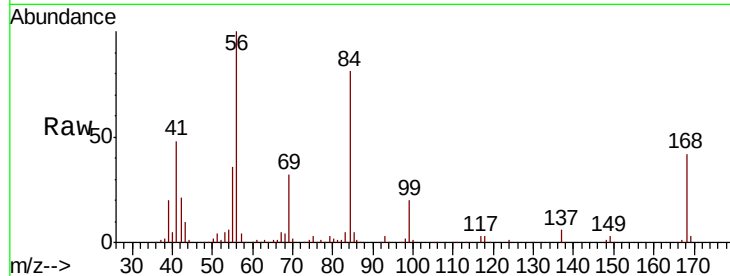
#31
Cyclohexane
Concen: 85.148 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.7	40.1
84	80.7	65.7	98.5

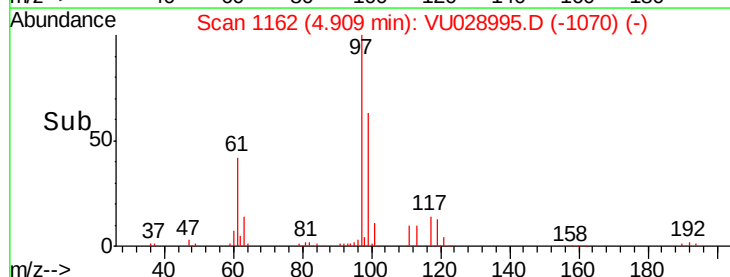
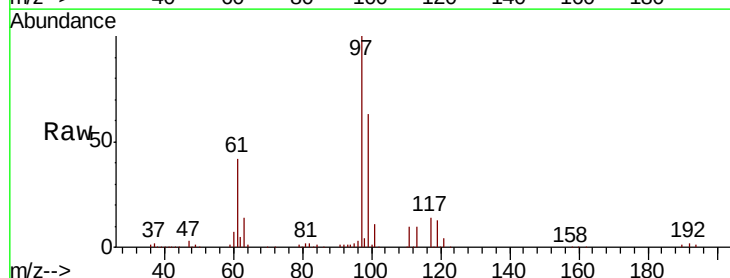
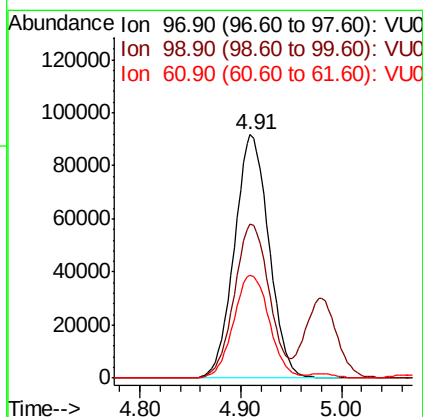
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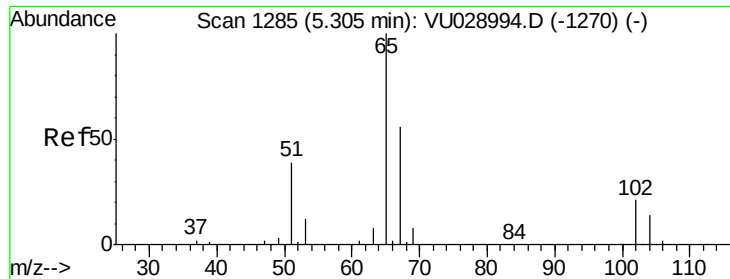
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#32
1,1,1-Trichloroethane
Concen: 98.656 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	43.9	34.4	51.6





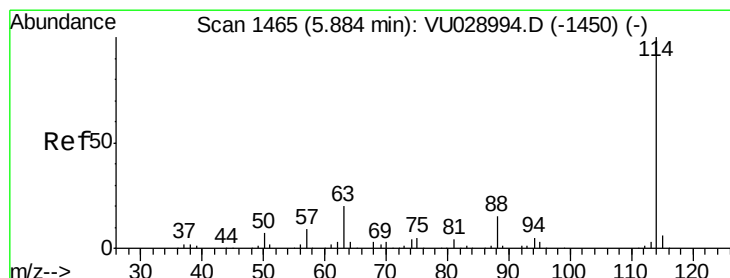
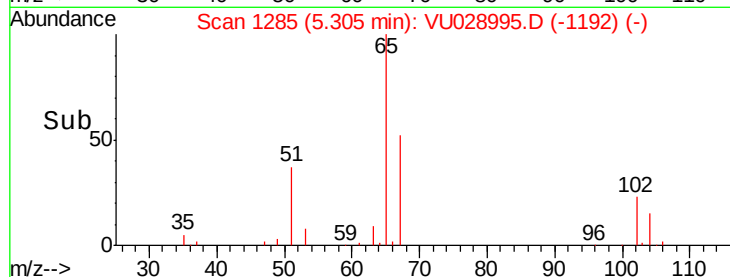
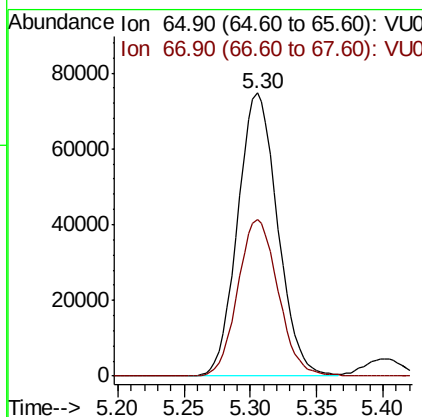
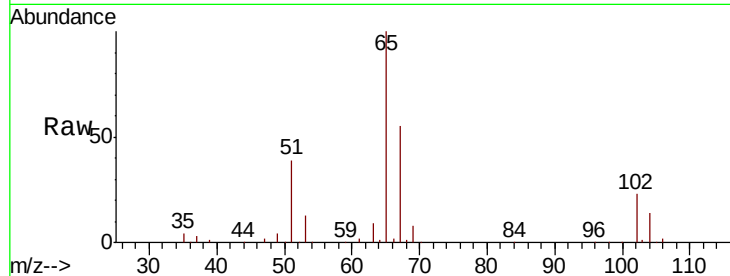
#33
 1,2-Dichloroethane-d4
 Concen: 98.326 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 156714
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0

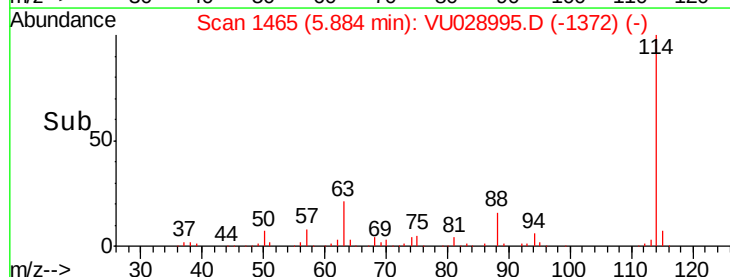
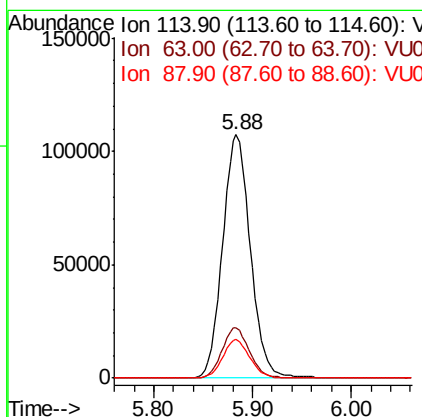
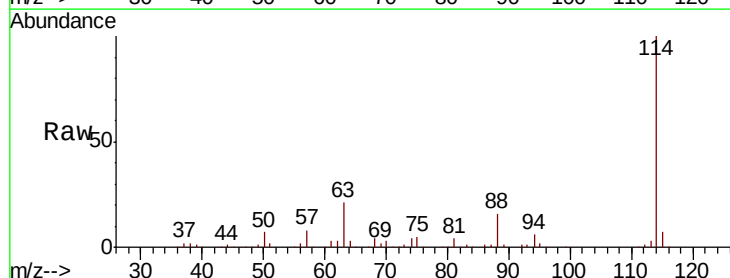
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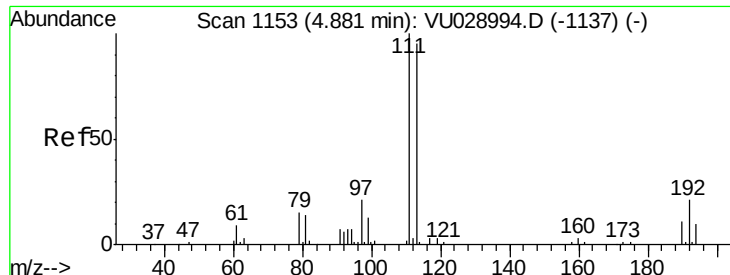
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion: 114 Resp: 211889
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.2
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 98.807 ug/l

RT: 4.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

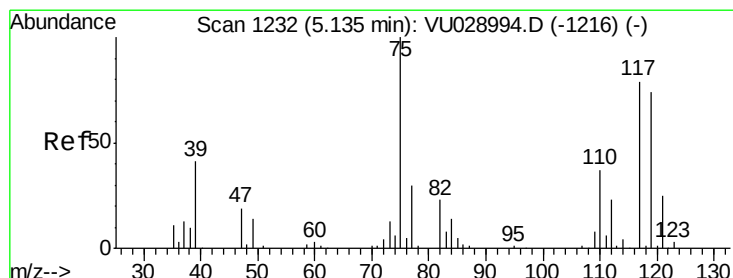
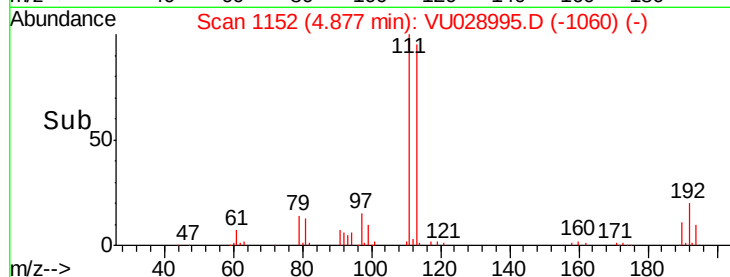
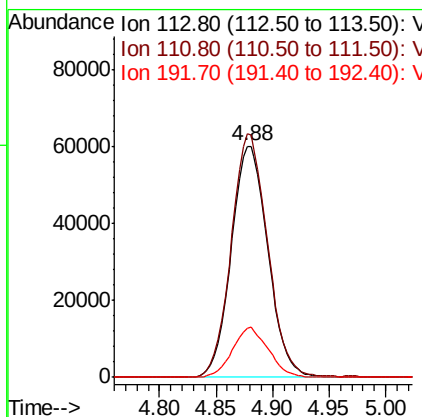
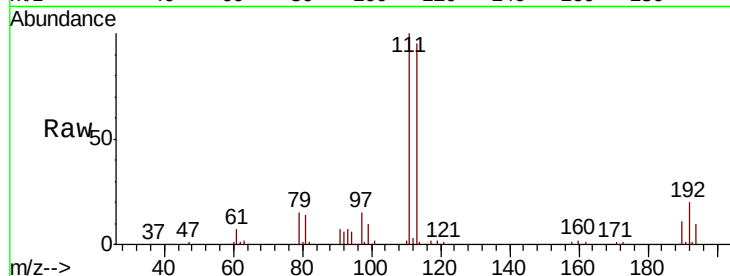
ClientSampleId :

VSTDIC100

Tgt Ion:	113	Resp:	135714
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.4	122.2
192	21.0	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 97.625 ug/l

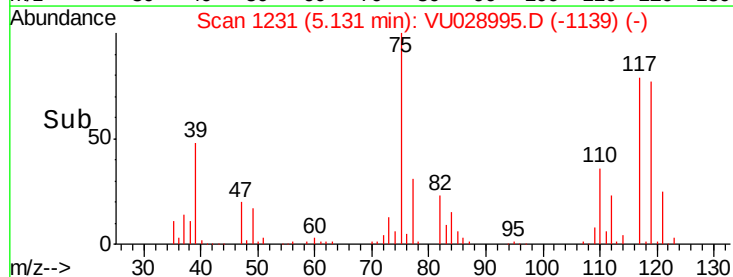
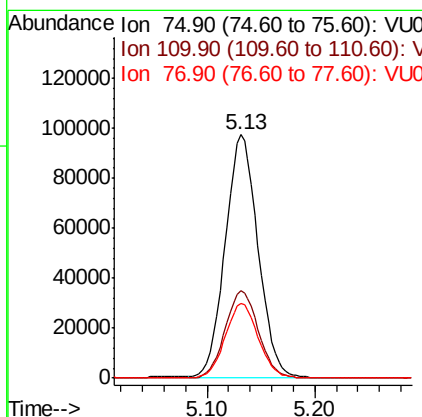
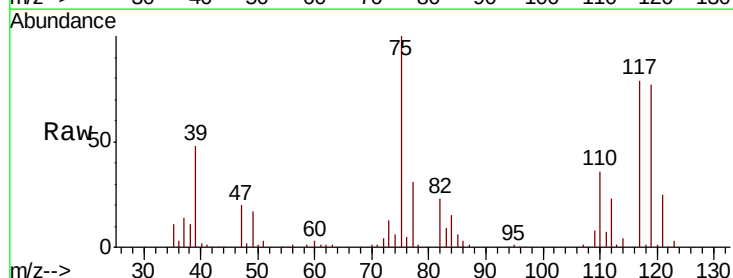
RT: 5.13 min Scan# 1231

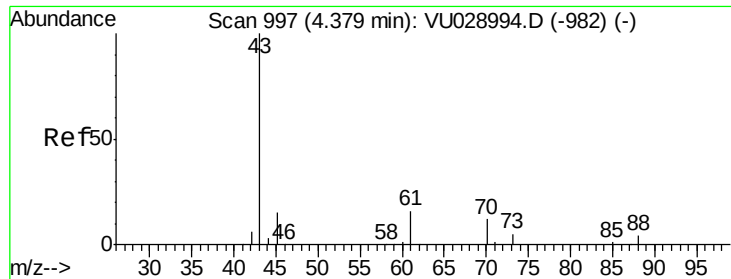
Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Tgt Ion:	75	Resp:	206763
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.4	55.4
77	31.0	25.1	37.7





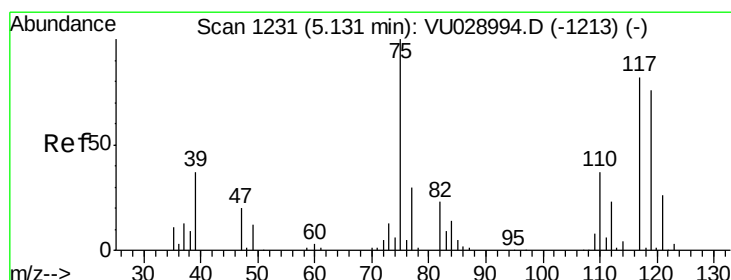
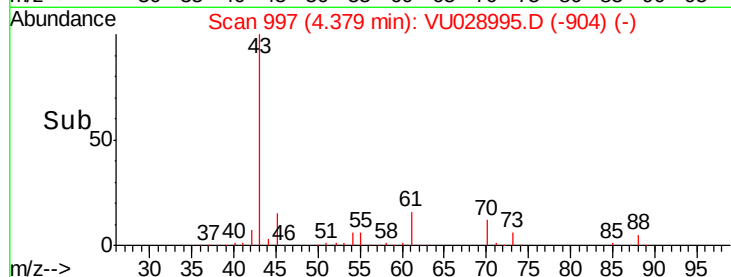
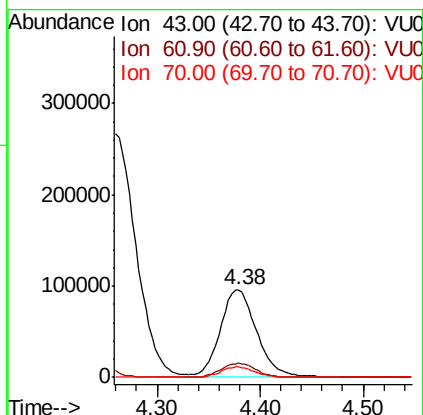
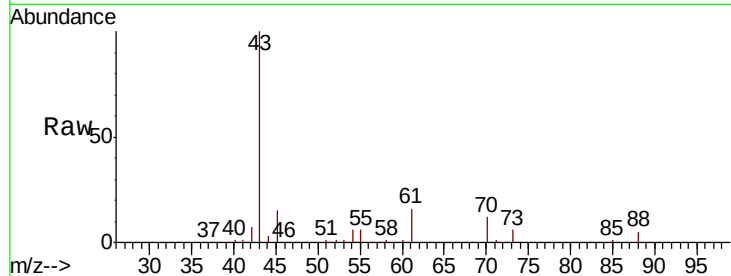
#37
Ethyl Acetate
Concen: 96.152 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion:	43	Resp:	232759
Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.6	18.8
70	11.6	9.3	13.9

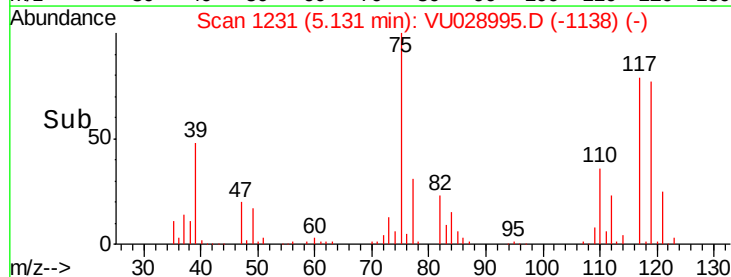
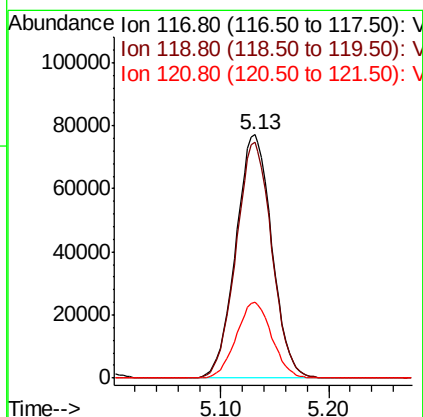
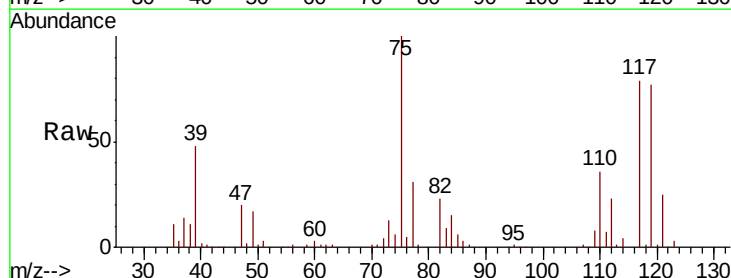
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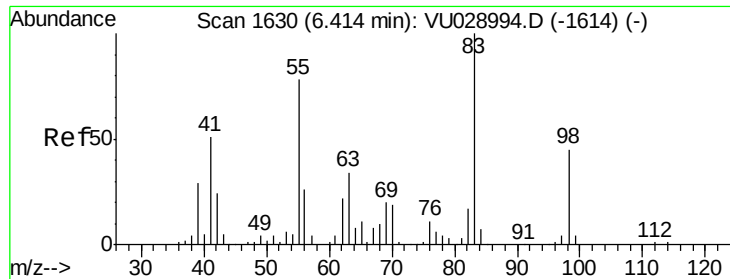
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#38
Carbon Tetrachloride
Concen: 101.468 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion:	117	Resp:	179239
Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.6	111.8
121	31.1	25.0	37.6





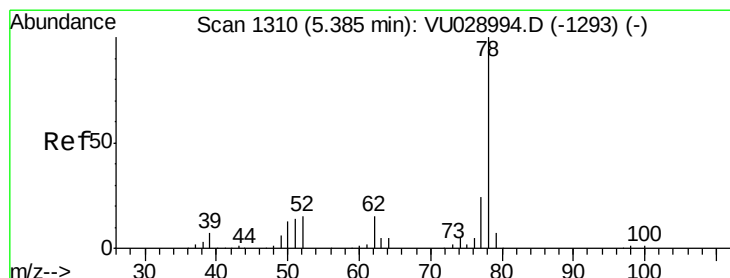
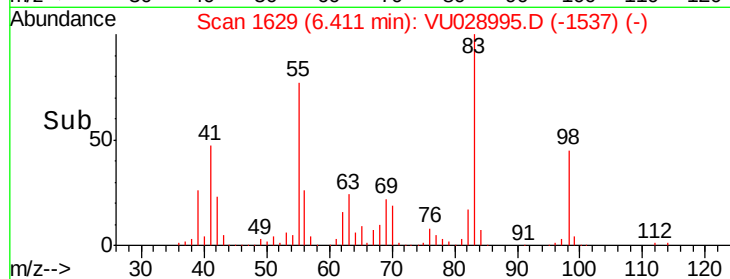
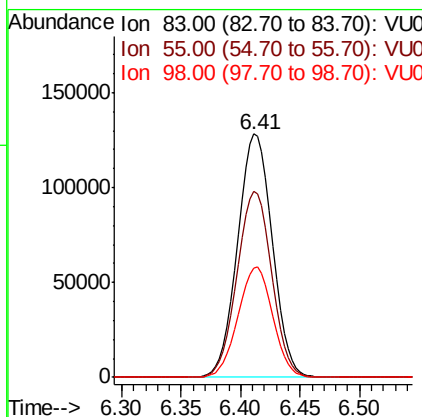
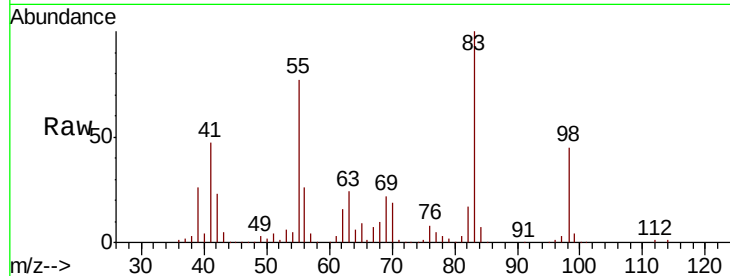
#39
Methylcyclohexane
Concen: 99.671 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	259516		
55	76.5	62.4	93.6	
98	45.0	36.2	54.2	

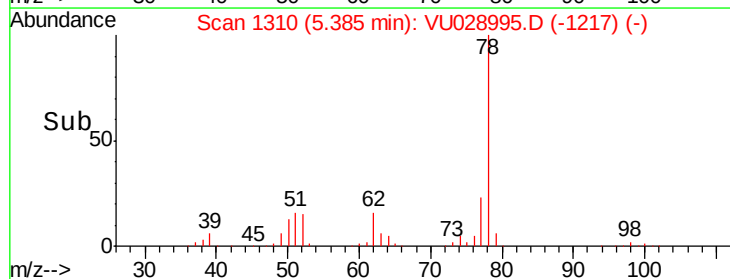
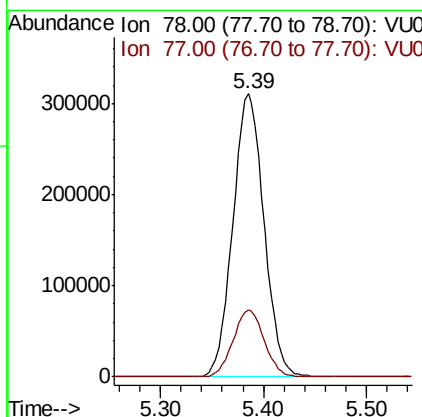
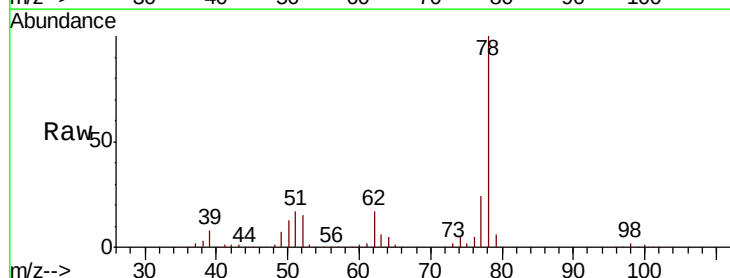
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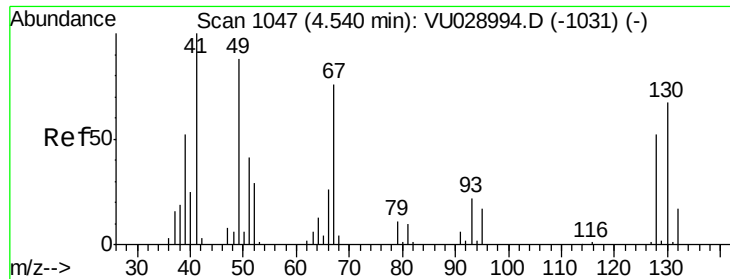
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#40
Benzene
Concen: 98.541 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	650999		
77	23.6	18.9	28.3	





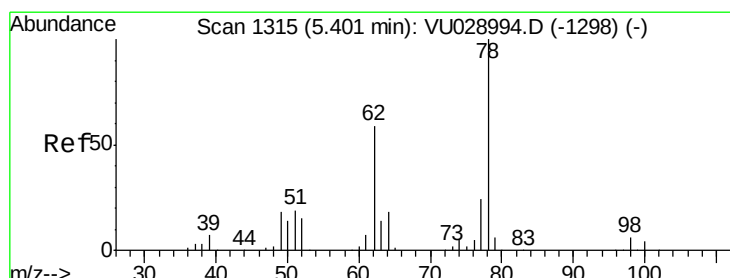
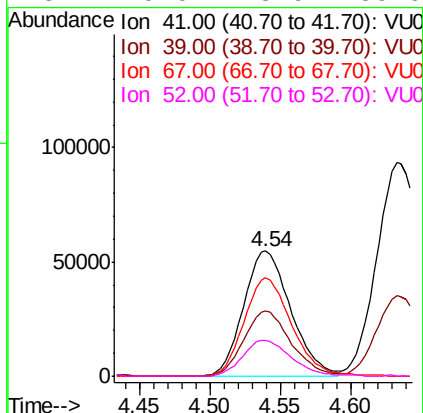
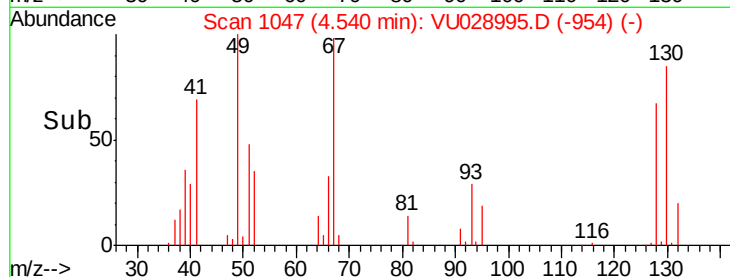
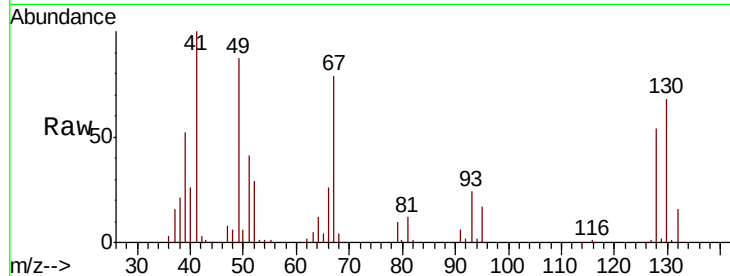
#41
Methacrylonitrile
Concen: 103.411 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	42.3	63.5	
67	79.1	64.4	96.6	
52	29.0	23.9	35.9	

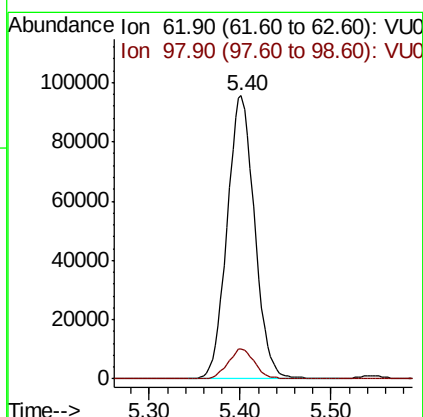
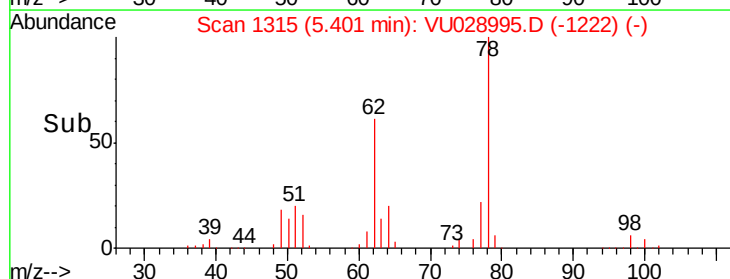
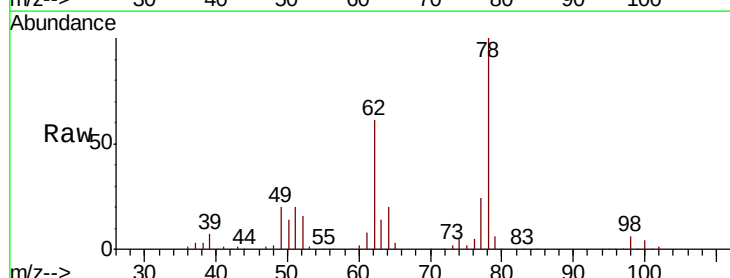
Manual Integrations
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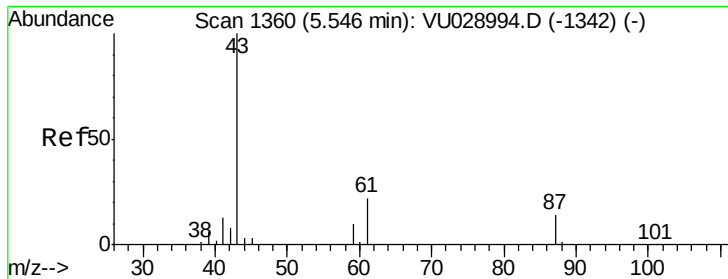
MMDadoda
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#42
1,2-Dichloroethane
Concen: 101.011 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.6	





#43

Isopropyl Acetate

Concen: 103.939 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

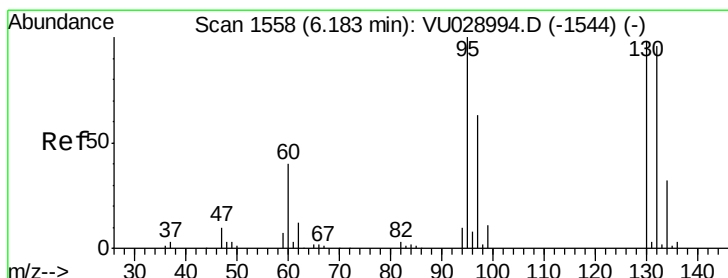
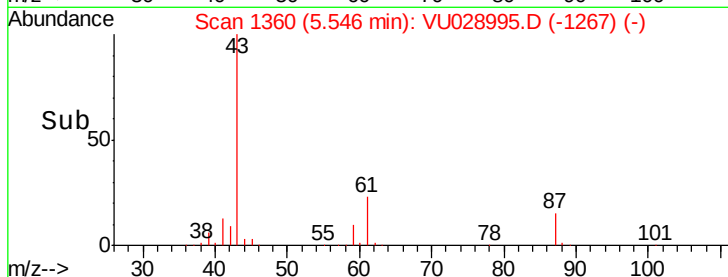
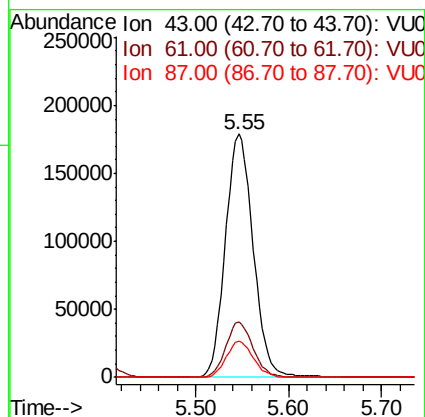
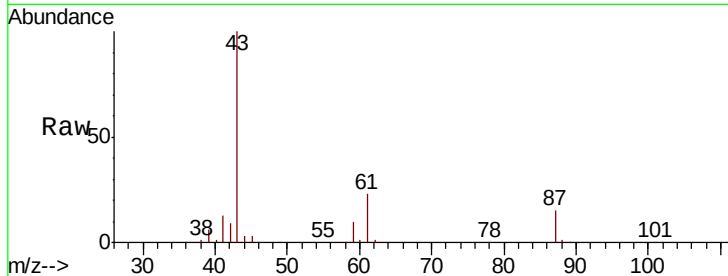
ClientSampleId :

VSTDIC100

Tgt Ion:	43	Resp:	370663
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.8	26.6
87	14.5	11.3	16.9

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#44

Trichloroethene

Concen: 100.090 ug/l

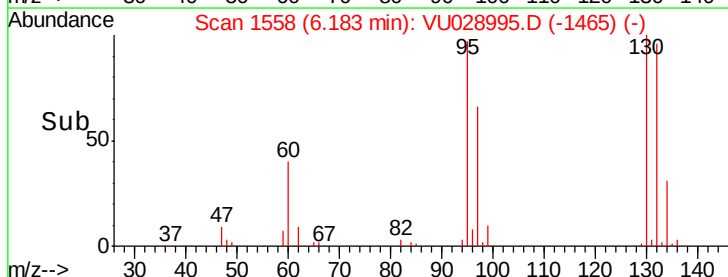
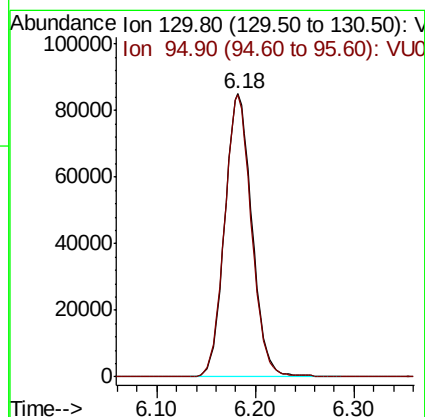
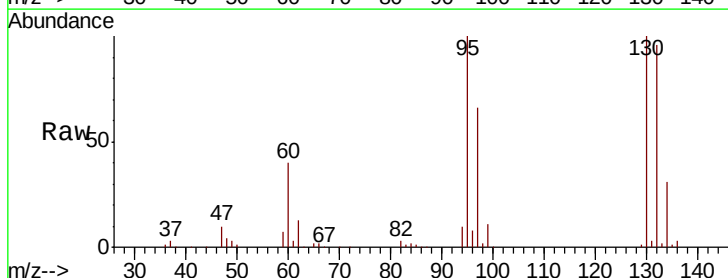
RT: 6.18 min Scan# 1558

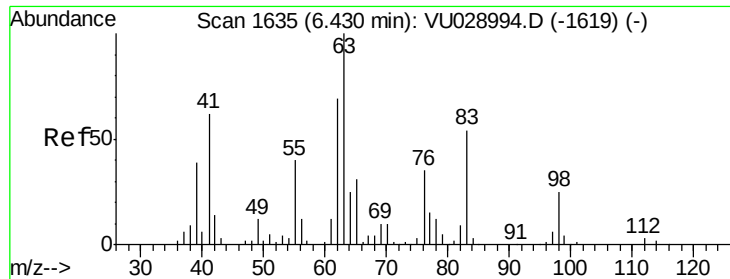
Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Tgt Ion:	130	Resp:	163836
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	205.0





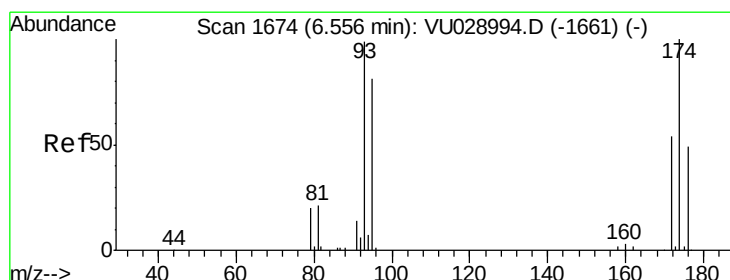
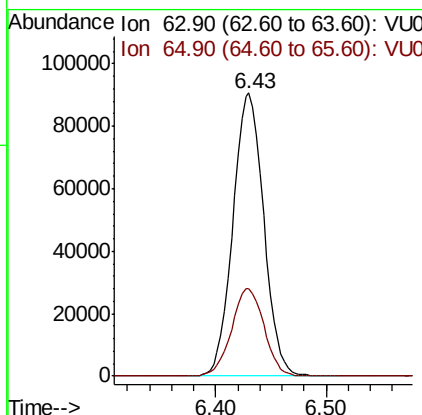
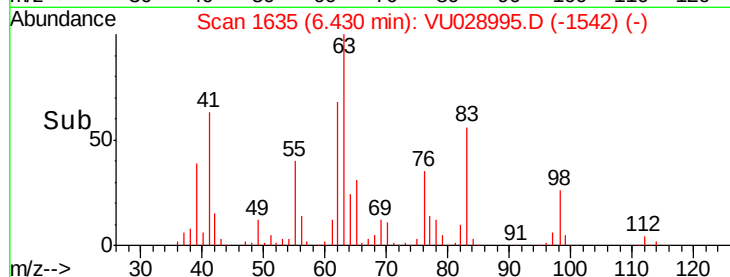
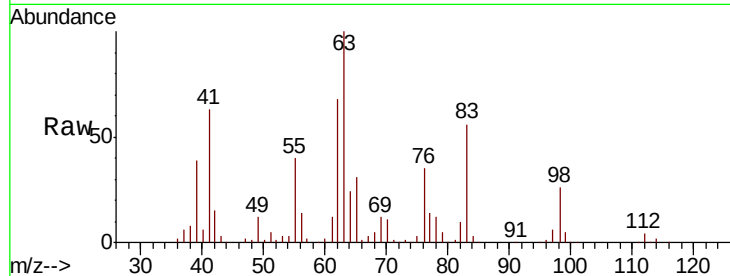
#45
 1,2-Dichloropropane
 Concen: 100.561 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 175439
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

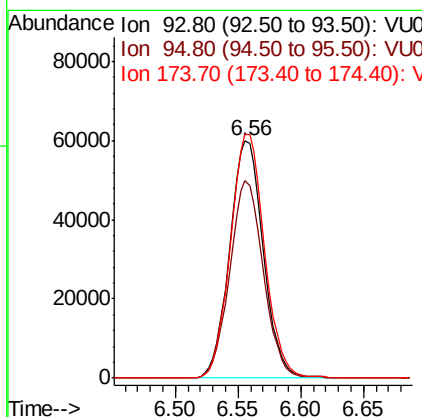
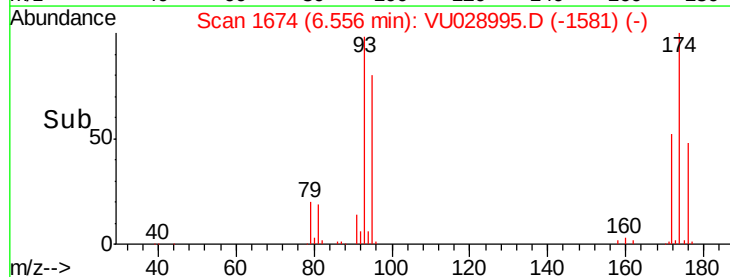
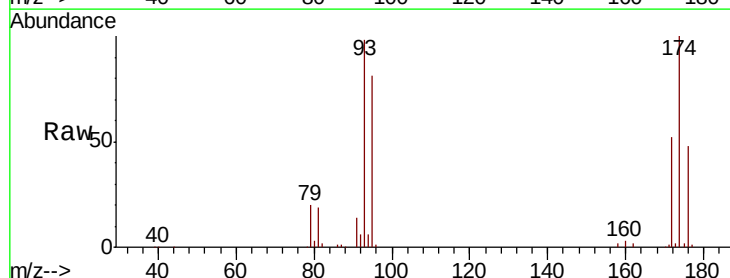
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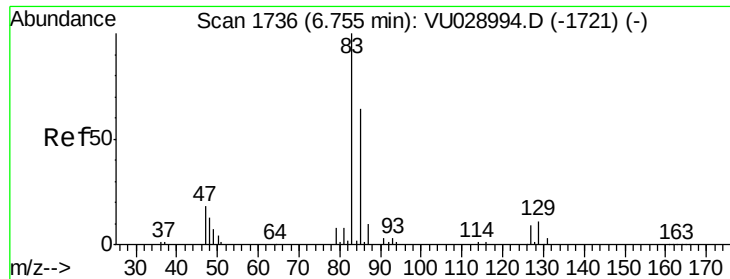
MMDadoda
 1/4/2019 9:51:00 AM



#46
 Dibromomethane
 Concen: 100.225 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion: 93 Resp: 111777
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.2 100.8
 174 103.9 82.6 123.8





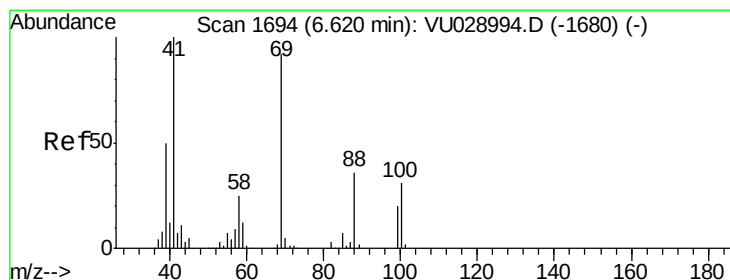
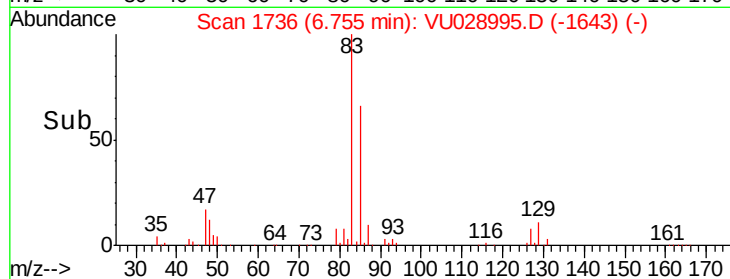
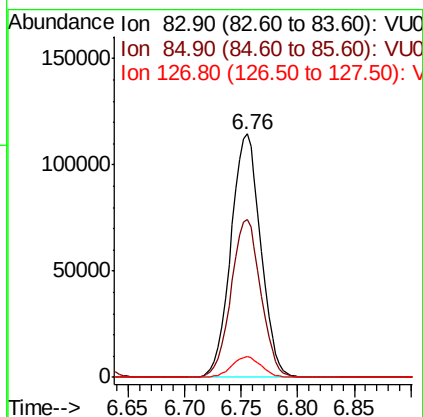
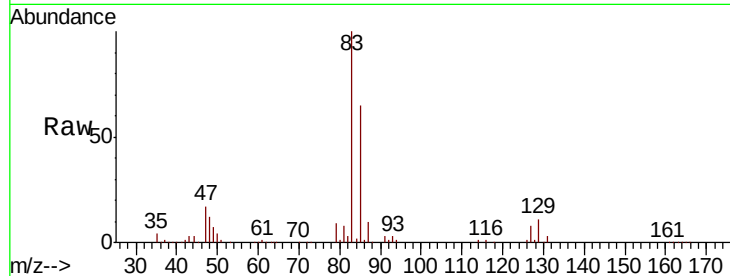
#47
Bromodichloromethane
Concen: 102.292 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	210046		
85	65.1		51.4	77.2
127	8.4		7.0	10.4

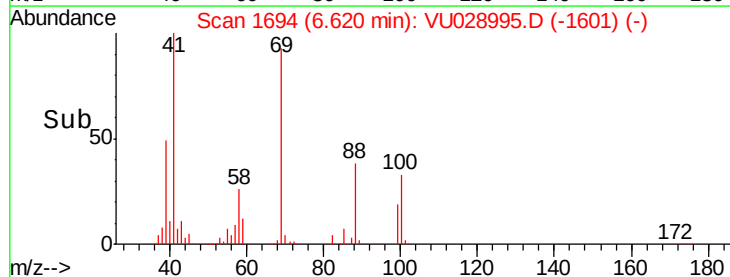
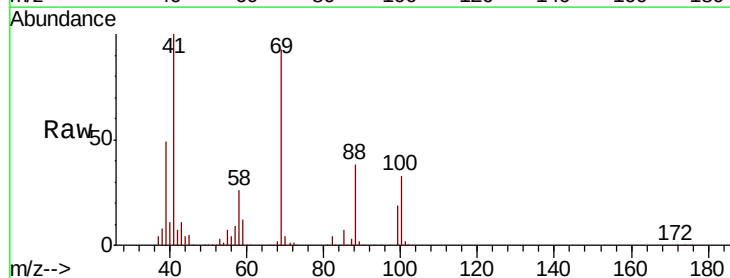
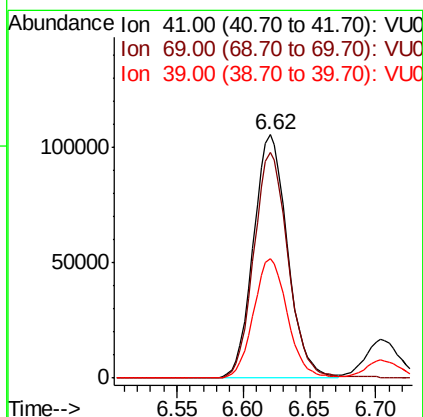
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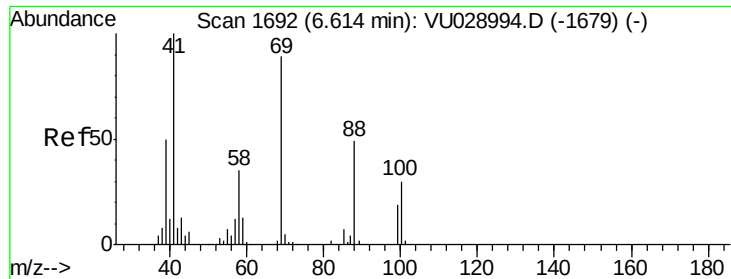
MMDadoda
1/4/2019 9:51:00 AM



#48
Methyl methacrylate
Concen: 109.101 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	189451		
69	93.3		73.6	110.4
39	48.8		39.6	59.4





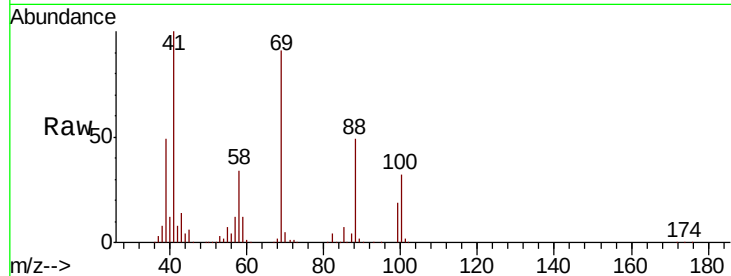
#49
1,4-Dioxane
Concen: 2098.975 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

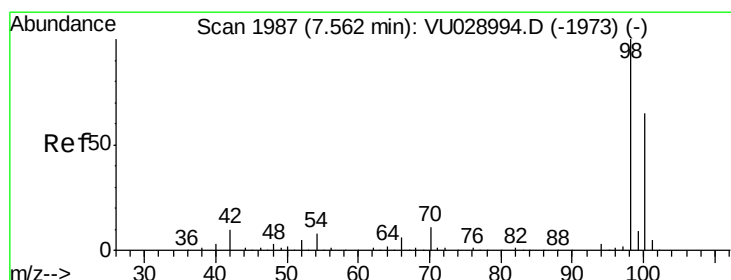
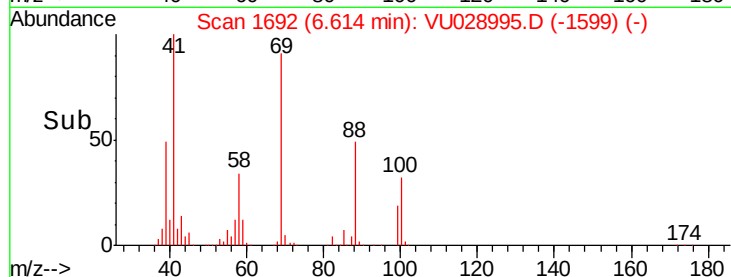
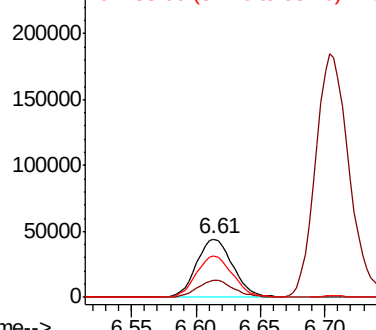
Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.1	23.0	34.4
58	70.8	57.9	86.9

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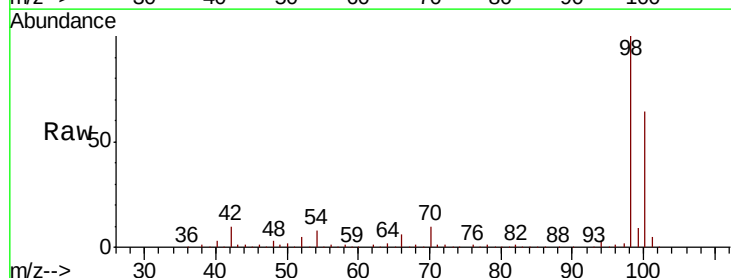


Abundance Ion 88.00 (87.70 to 88.70): VU028995.D (-1599) (-)

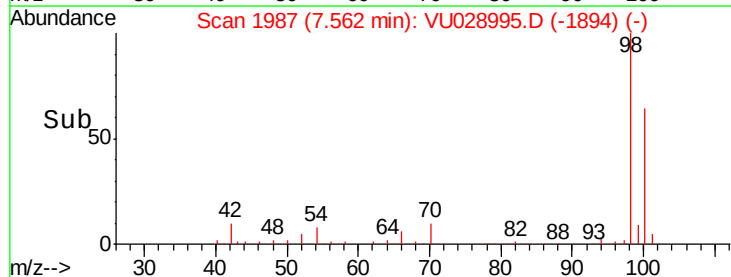
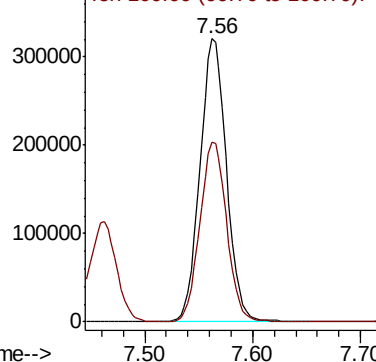


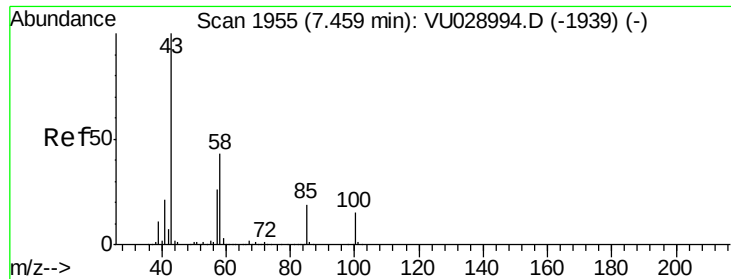
#50
Toluene-d8
Concen: 101.339 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028995.D (-1894) (-)





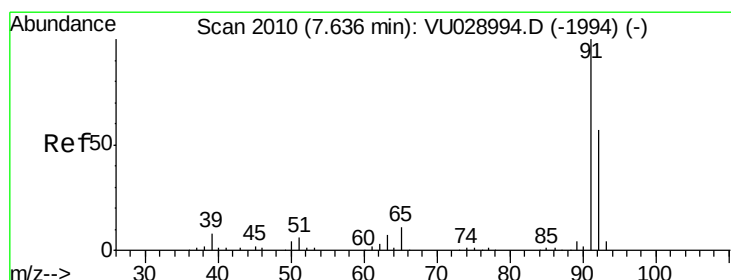
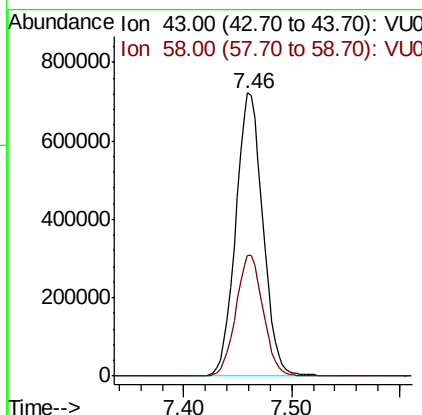
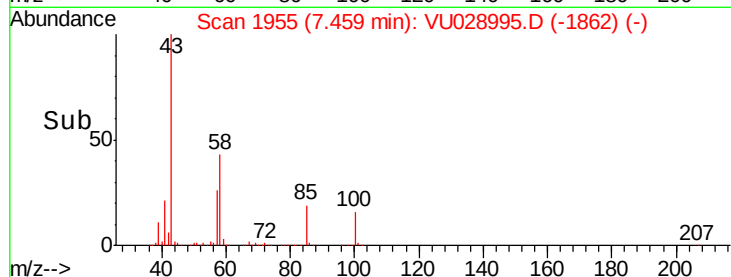
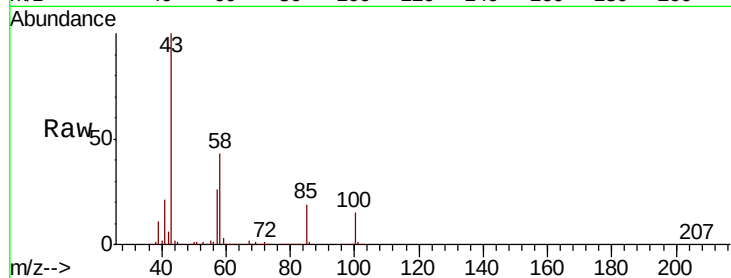
#51
4-Methyl-2-Pentanone
Concen: 522.218 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1267419
Ion Ratio Lower Upper
43 100
58 42.9 33.9 50.9

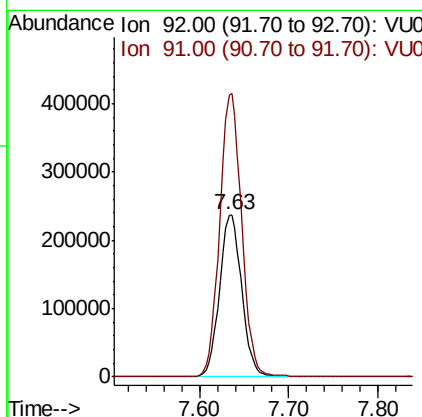
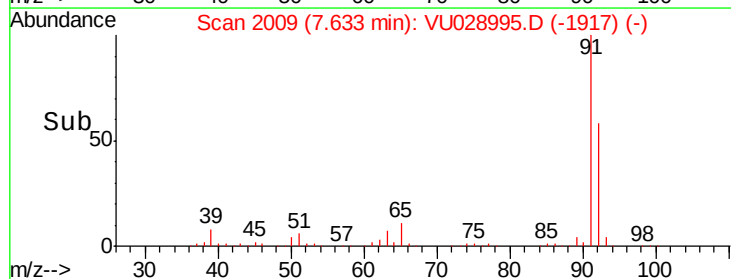
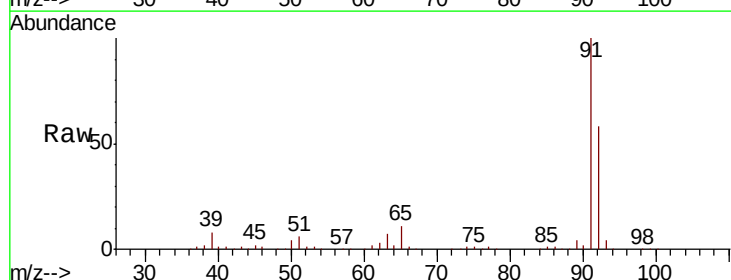
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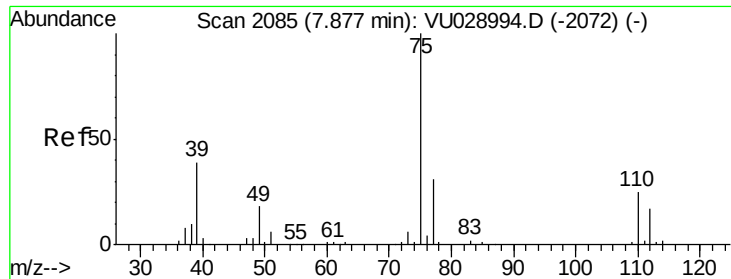
MMDadoda
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#52
Toluene
Concen: 101.591 ug/l
RT: 7.63 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 92 Resp: 408577
Ion Ratio Lower Upper
92 100
91 173.9 139.8 209.8





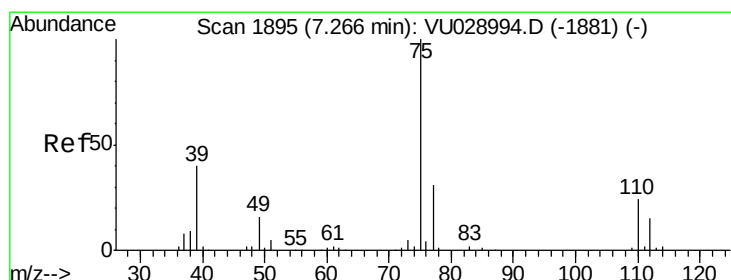
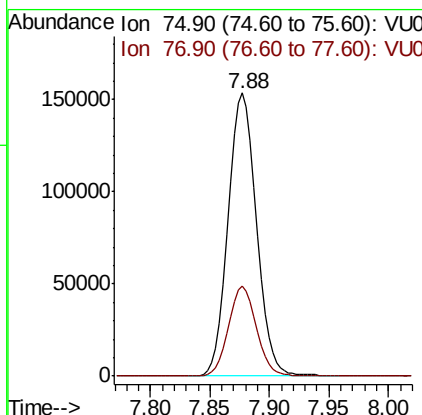
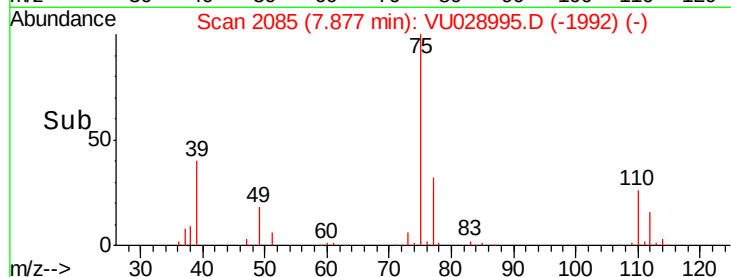
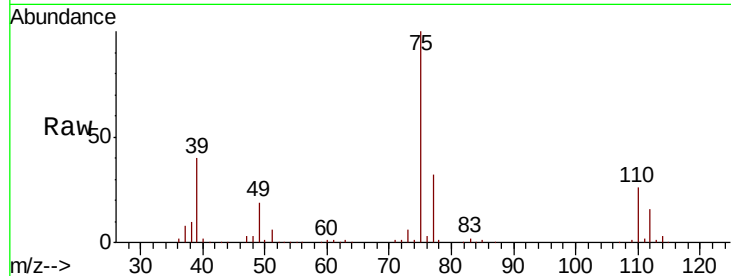
#53
t-1,3-Dichloropropene
Concen: 103.040 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 254166
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4

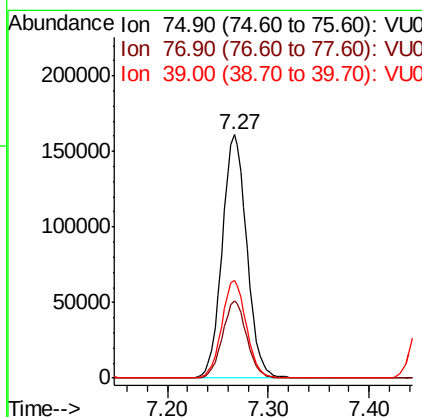
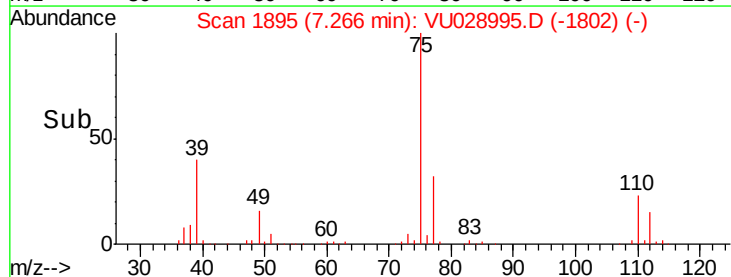
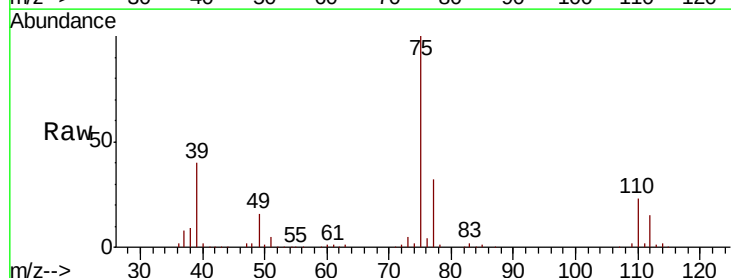
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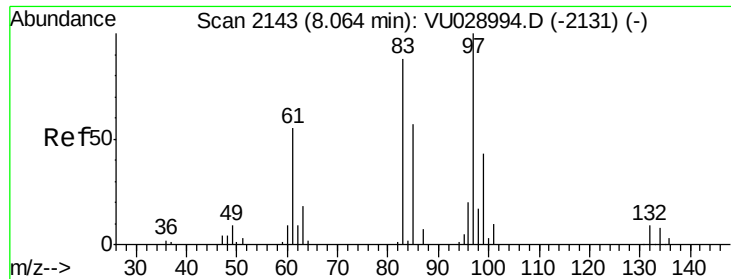
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#54
cis-1,3-Dichloropropene
Concen: 103.318 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 75 Resp: 275382
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6
39 40.0 32.2 48.4





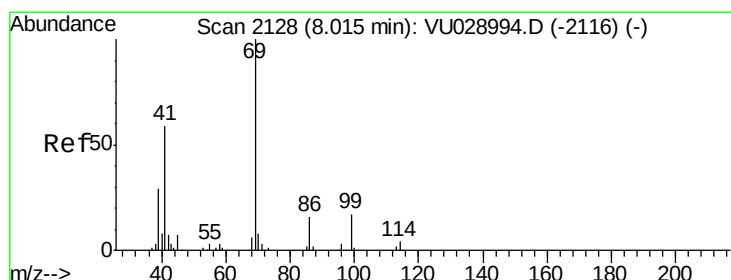
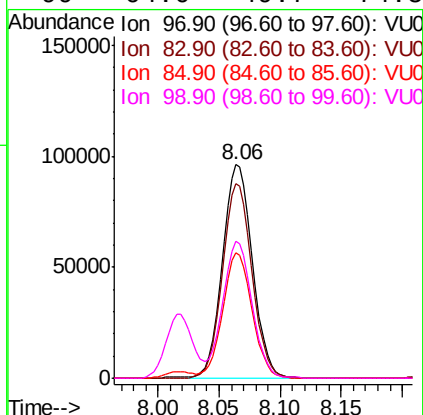
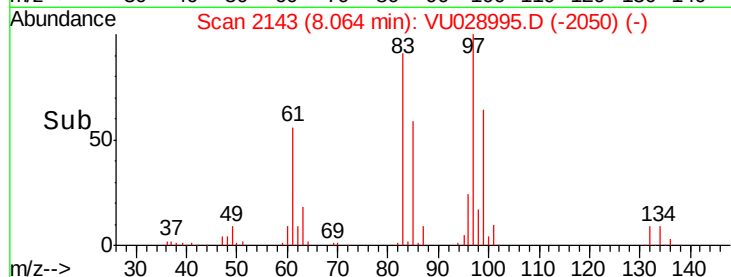
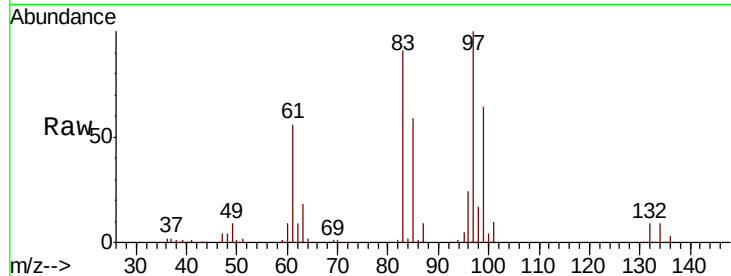
#55
 1,1,2-Trichloroethane
 Concen: 102.593 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	165296		
83	90.9	69.8	104.8	
85	58.8	47.3	70.9	
99	64.0	49.7	74.5	

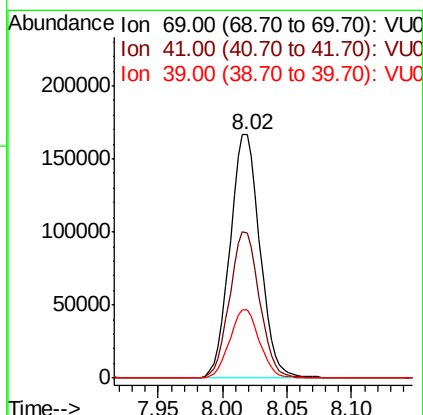
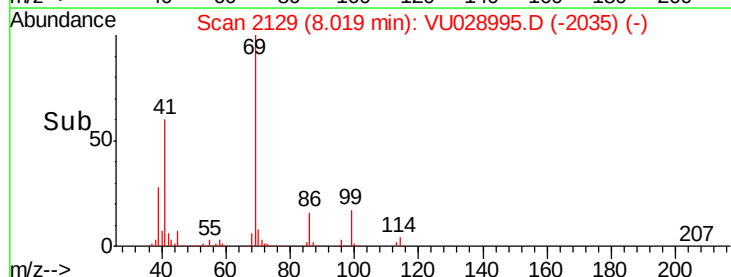
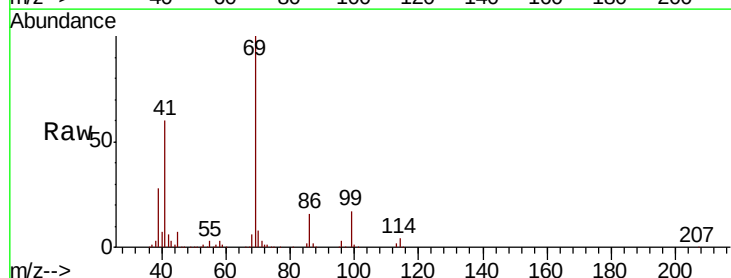
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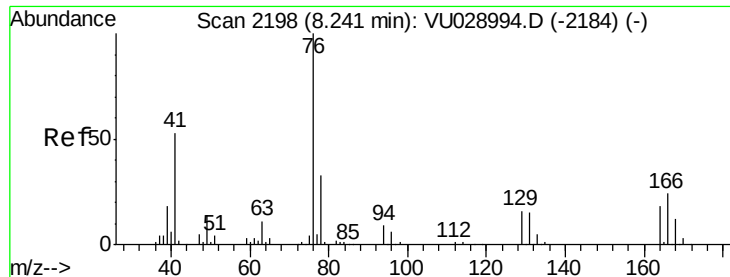
MMDadoda
 1/4/2019 9:51:00 AM



#56
 Ethyl methacrylate
 Concen: 108.432 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	269152		
41	60.3	47.5	71.3	
39	27.9	22.5	33.7	





#57

1,3-Dichloropropane

Concen: 102.391 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 282285

Ion Ratio Lower Upper

76 100

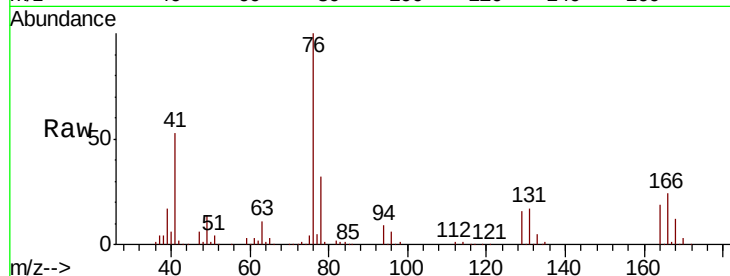
78 32.4 26.0 39.0

Manual Integrations

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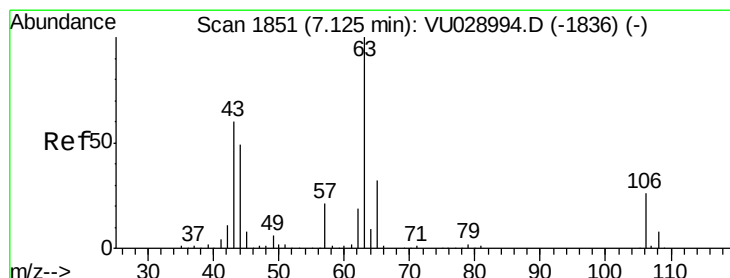
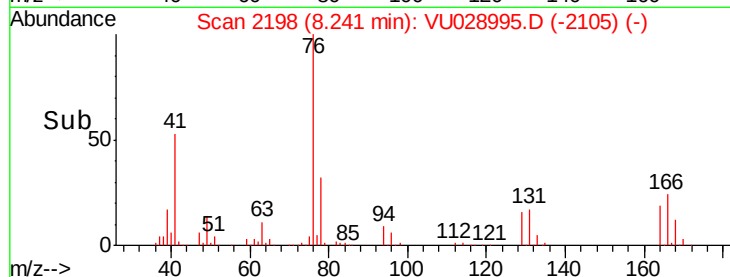
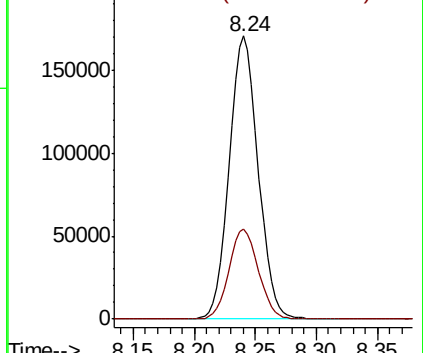
MMDadoda

1/4/2019 9:51:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 544.306 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028995.D

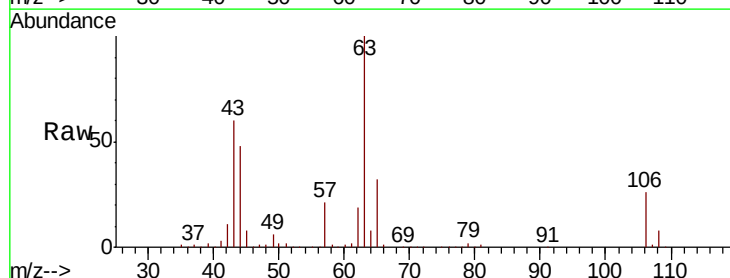
Acq: 03 Jan 2019 14:18

Tgt Ion: 63 Resp: 594181

Ion Ratio Lower Upper

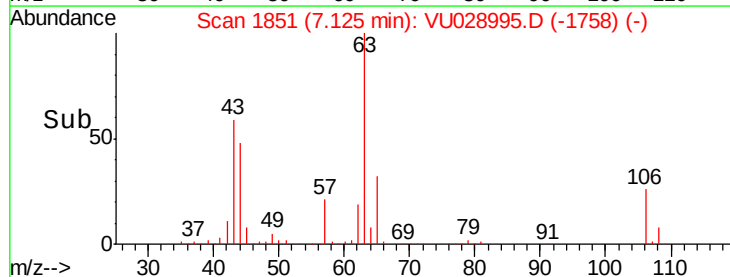
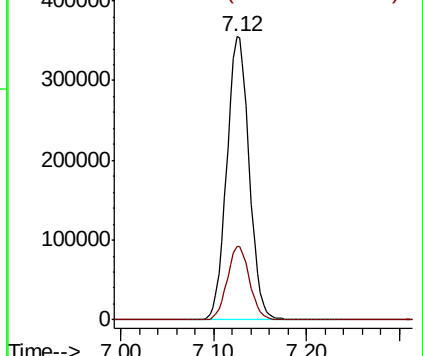
63 100

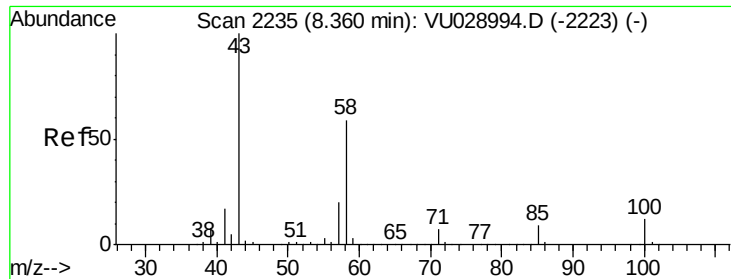
106 25.9 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





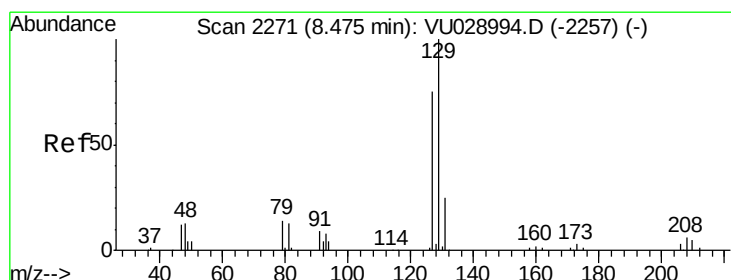
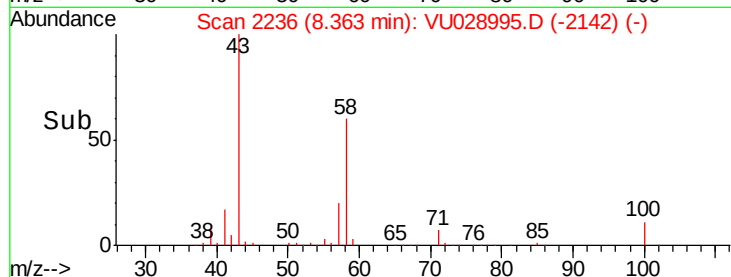
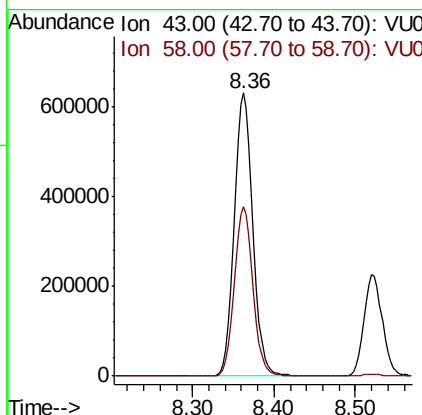
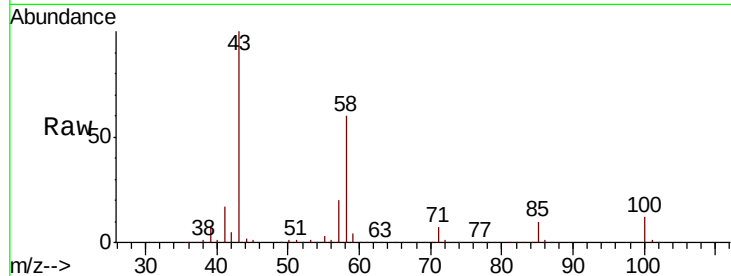
#59
2-Hexanone
Concen: 529.870 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 1009457
Ion Ratio Lower Upper
43 100
58 60.0 29.8 89.4

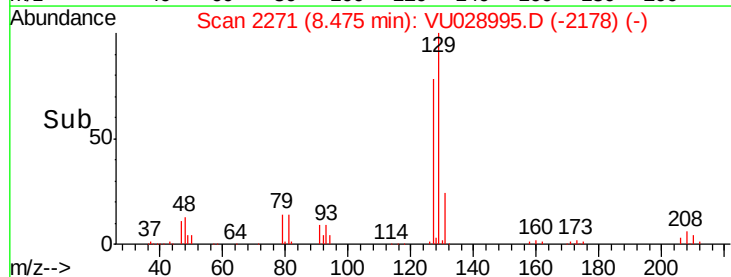
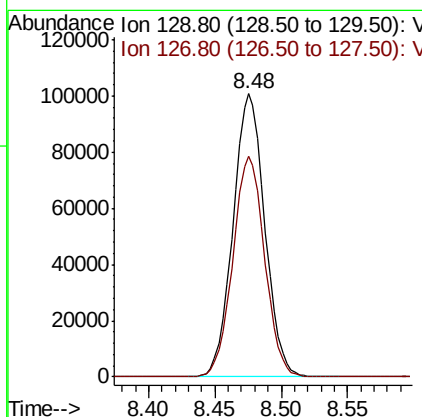
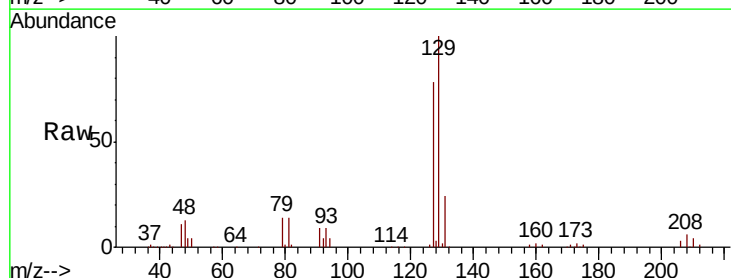
Manual Integrations
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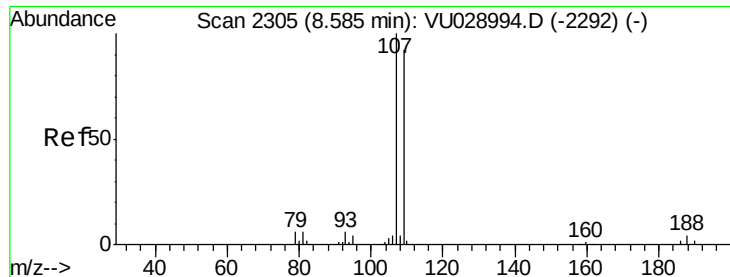
MMDadoda
1/4/2019 9:51:00 AM



#60
Dibromochloromethane
Concen: 104.934 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 129 Resp: 167499
Ion Ratio Lower Upper
129 100
127 78.0 38.0 114.0





#61

1,2-Dibromoethane

Concen: 102.321 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 178797

Ion Ratio Lower Upper

107 100

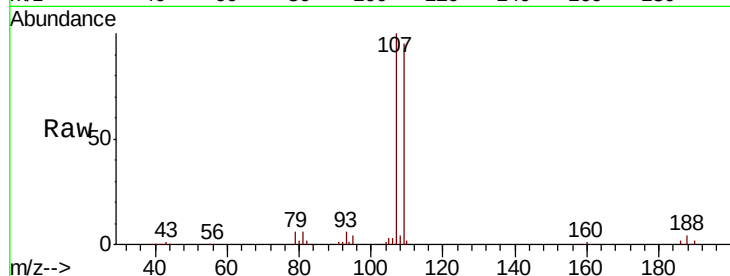
109 94.7 75.5 113.3

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

120000

100000

80000

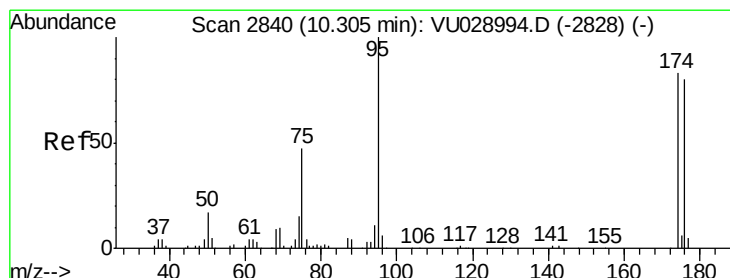
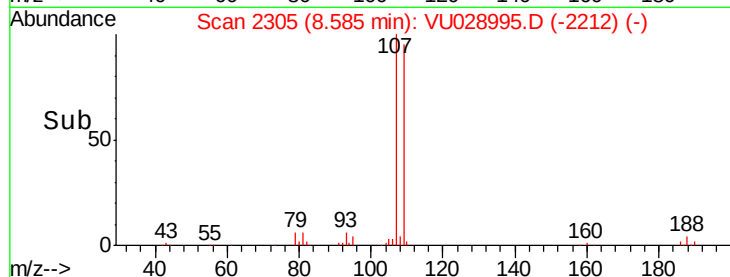
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 105.700 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

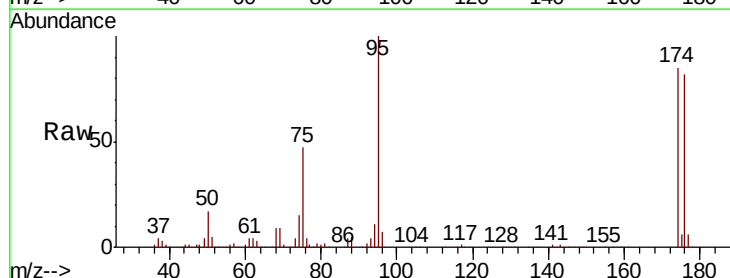
Tgt Ion: 95 Resp: 205982

Ion Ratio Lower Upper

95 100

174 85.8 0.0 170.6

176 83.0 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

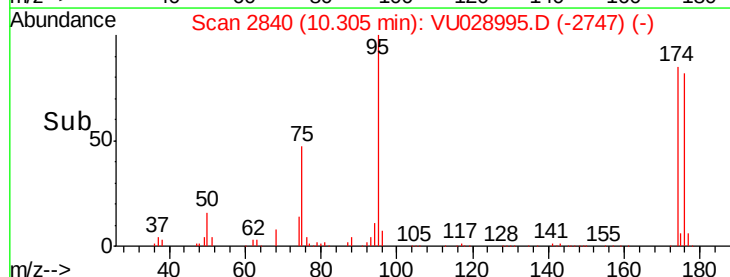
150000

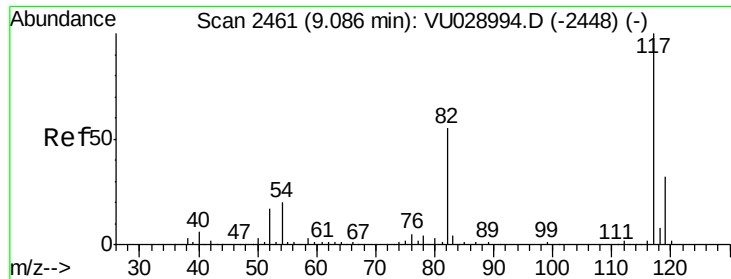
100000

50000

0

Time-->





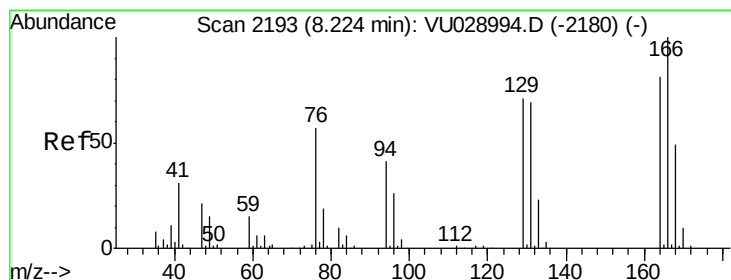
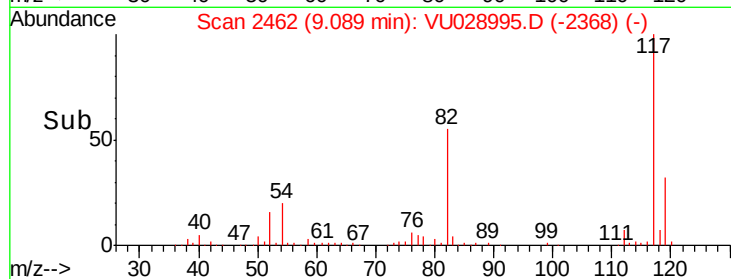
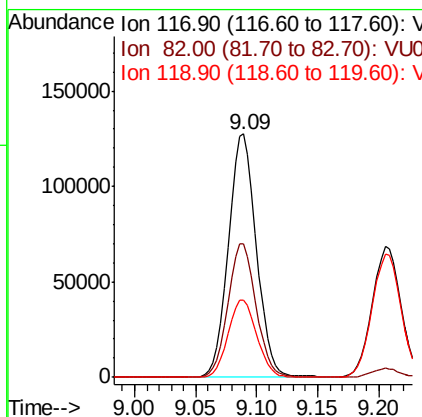
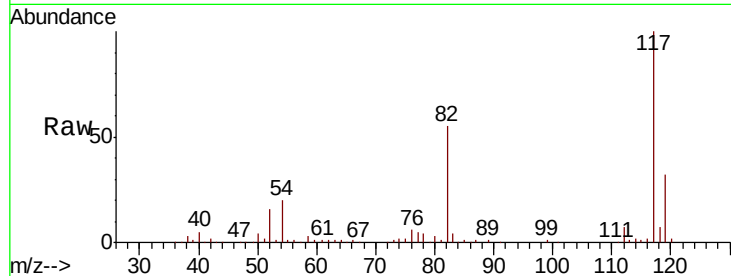
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	204623		
82	54.8	43.9	65.9	
119	31.9	26.0	39.0	

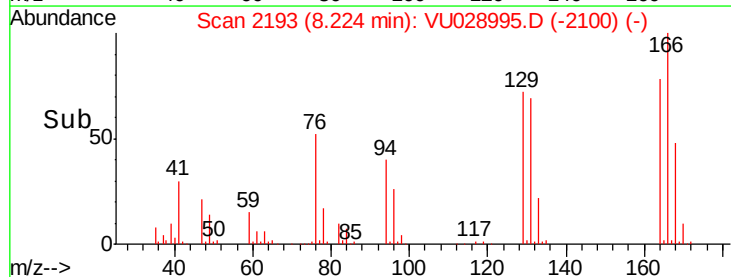
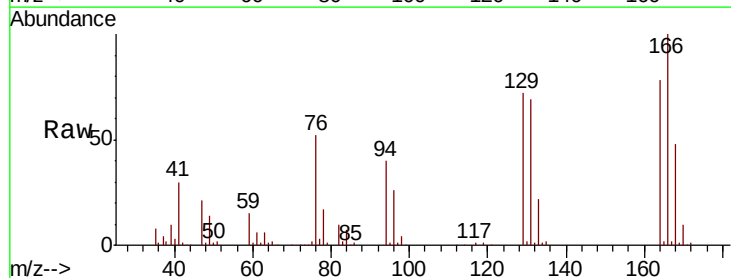
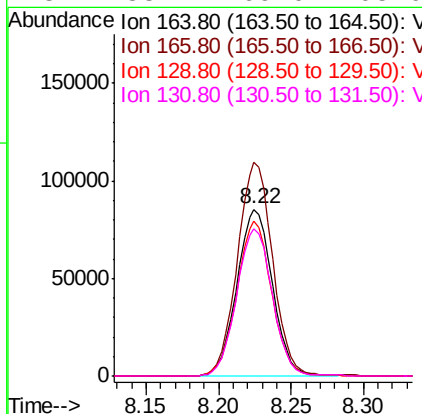
Manual Integrations
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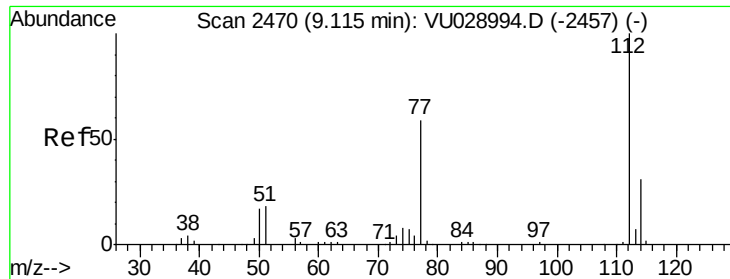
MMDadoda
1/4/2019 9:51:00 AM



#64
Tetrachloroethene
Concen: 98.545 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145257		
166	128.2	99.4	149.0	
129	92.9	70.5	105.7	
131	88.2	69.0	103.6	





#65

Chlorobenzene

Concen: 98.926 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 453743

Ion Ratio Lower Upper

112 100

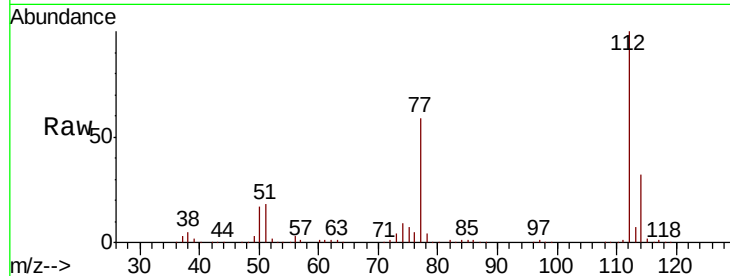
114 31.7 25.0 37.6

Manual Integrations

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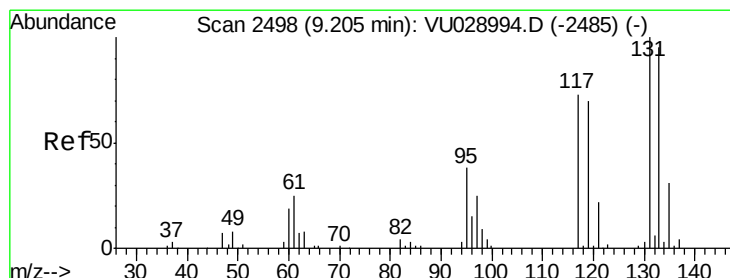
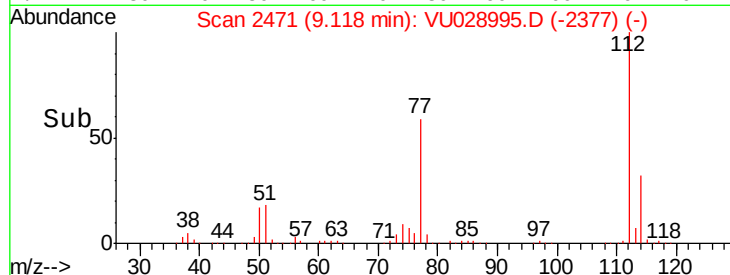
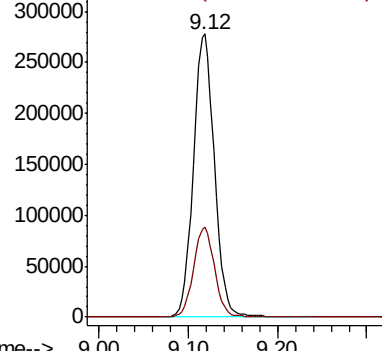
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1/4/2019 9:51:00 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 102.054 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

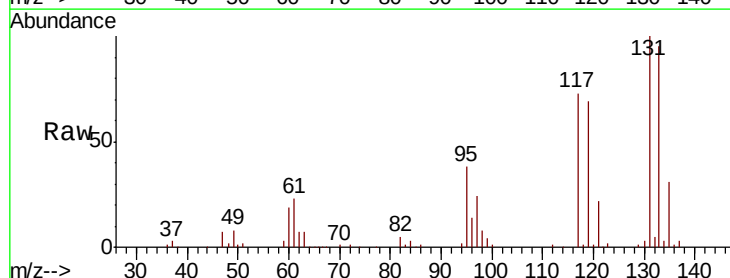
Tgt Ion:131 Resp: 151906

Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

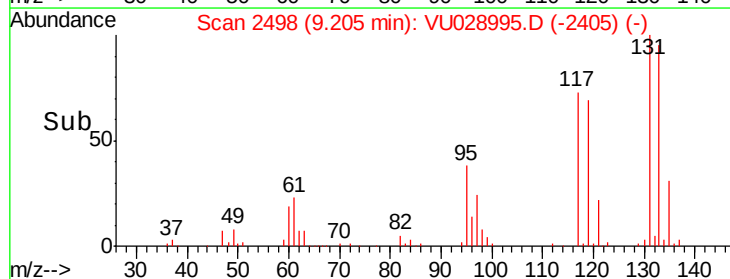
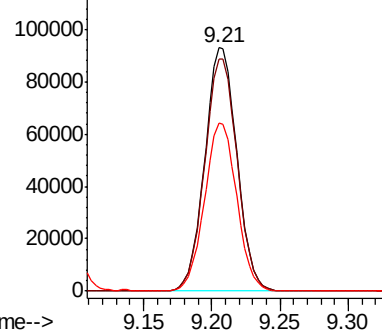
119 69.5 35.4 106.3

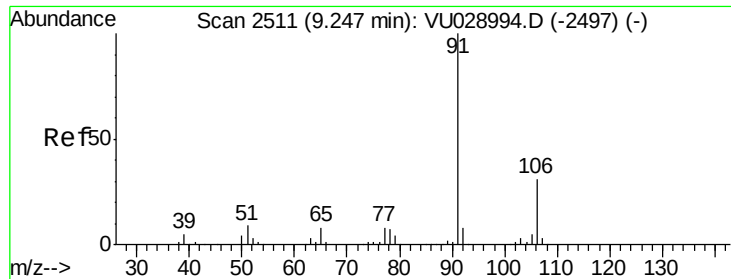


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





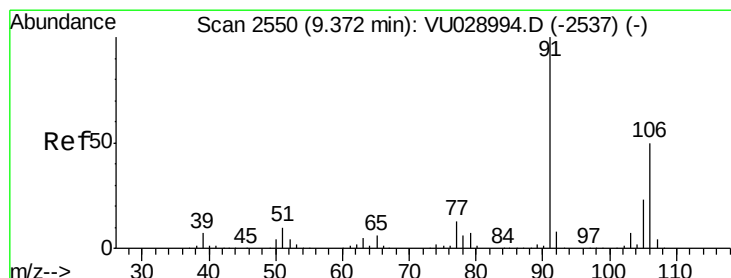
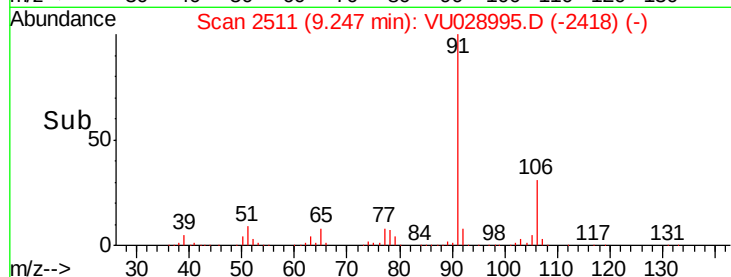
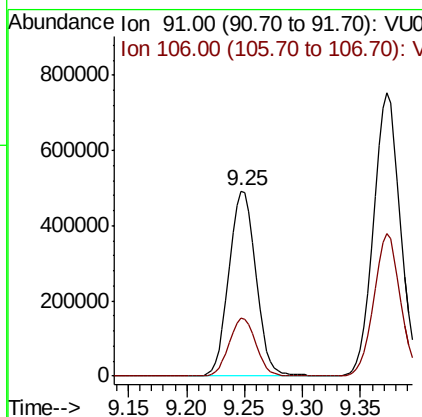
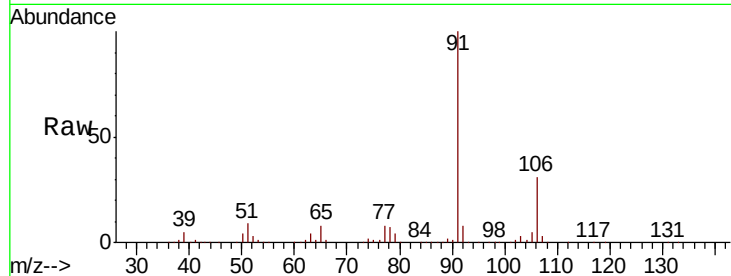
#67
Ethyl Benzene
Concen: 103.361 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 791516
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

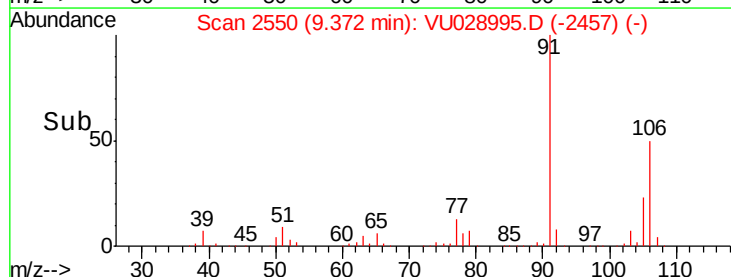
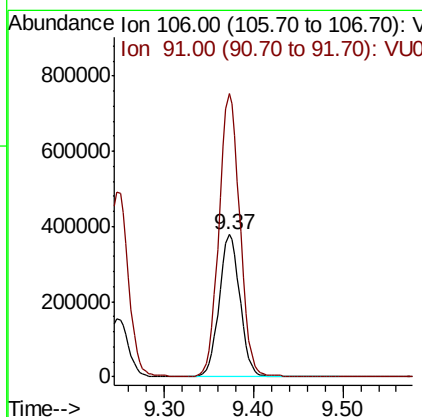
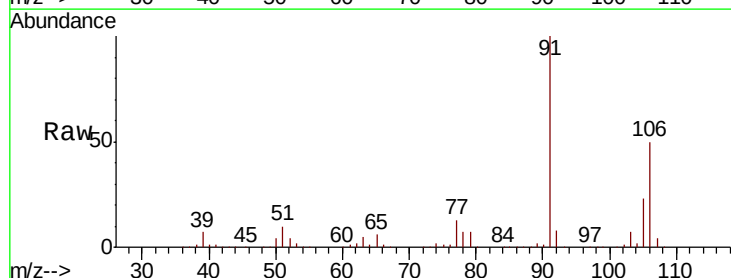
Manual Integrations
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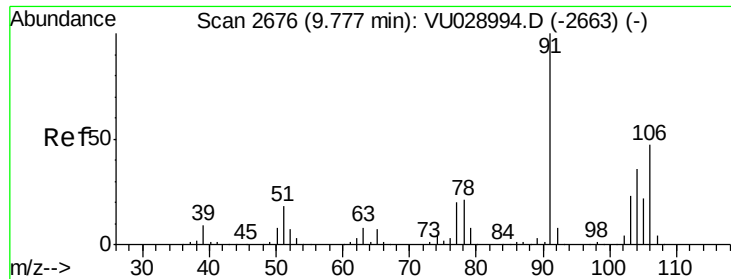
MMDadoda
1/4/2019 9:51:00 AM



#68
m/p-Xylenes
Concen: 205.558 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 106 Resp: 611619
Ion Ratio Lower Upper
106 100
91 199.7 161.7 242.5





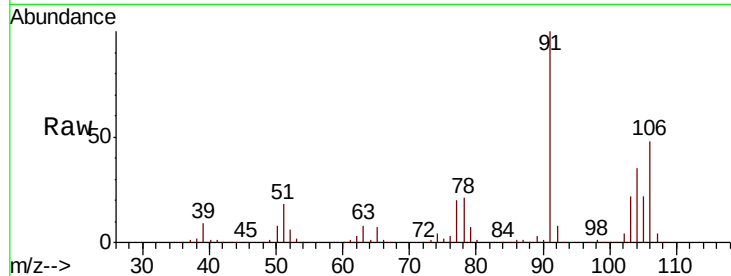
#69
o-Xylene
Concen: 105.193 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

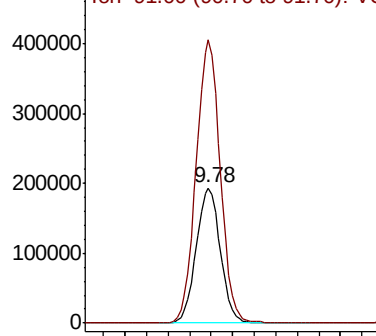
Tgt Ion:106 Resp: 301579
Ion Ratio Lower Upper
106 100
91 209.3 106.1 318.3

Manual Integrations
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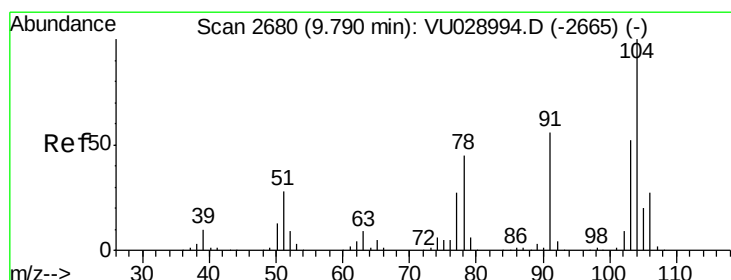
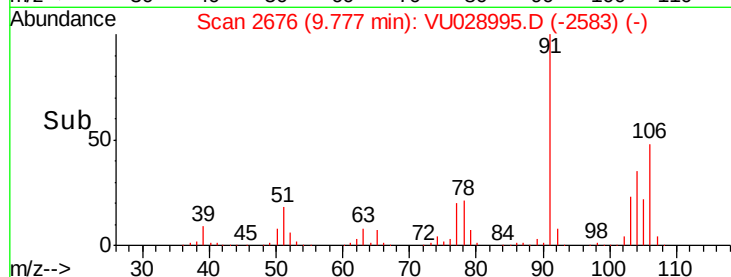
MMDadoda
1/4/2019 9:51:00 AM



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

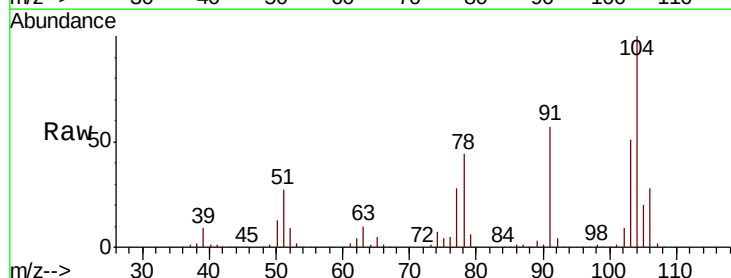


Time-->

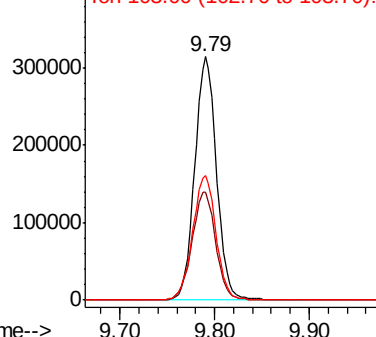


#70
Styrene
Concen: 107.121 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

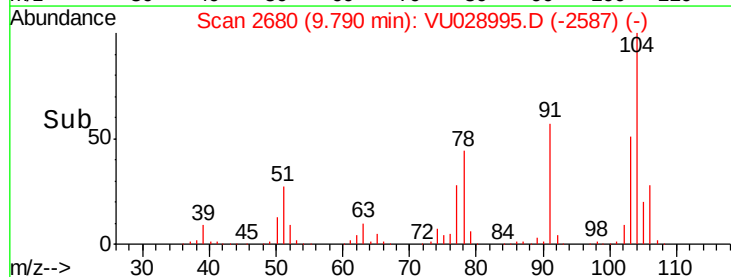
Tgt Ion:104 Resp: 503452
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 55.1 44.5 66.7

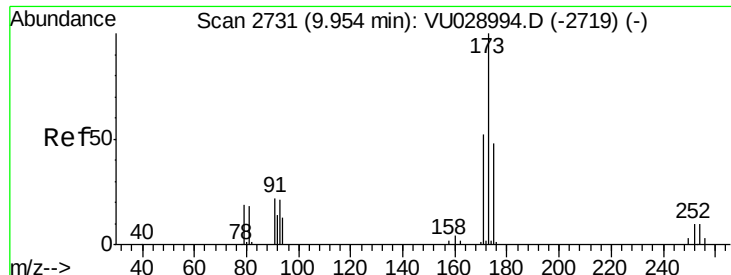


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 108.535 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion:173 Resp: 143848

Ion Ratio Lower Upper

173 100

175 48.4 23.8 71.2

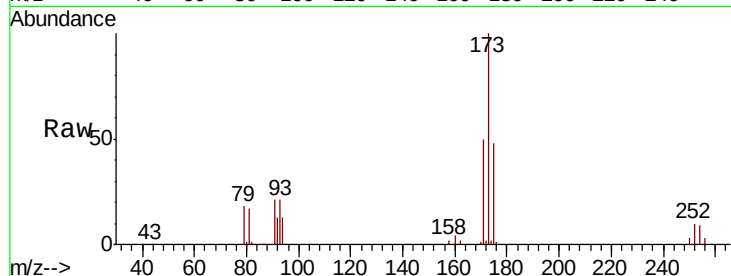
254 0.1 0.0 0.0#

Manual Integrations

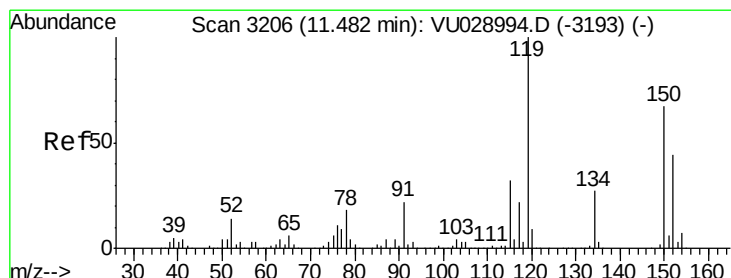
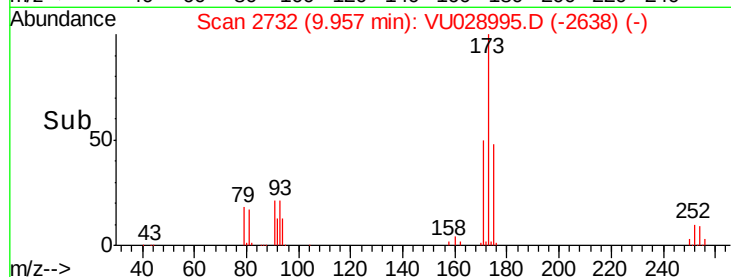
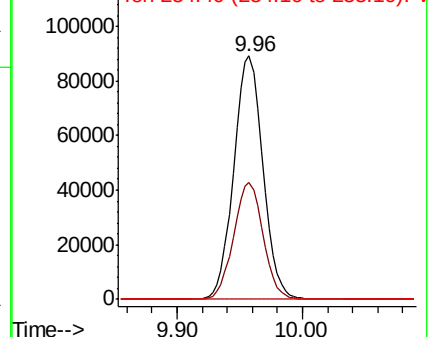
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

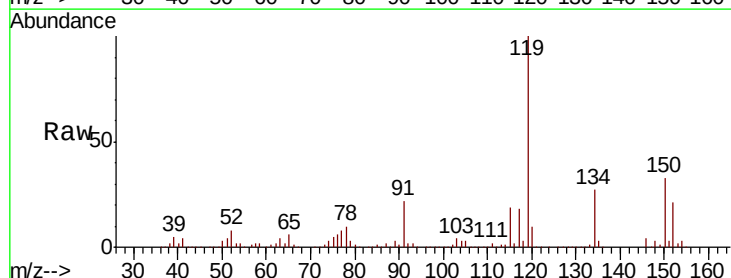
Tgt Ion:152 Resp: 110354

Ion Ratio Lower Upper

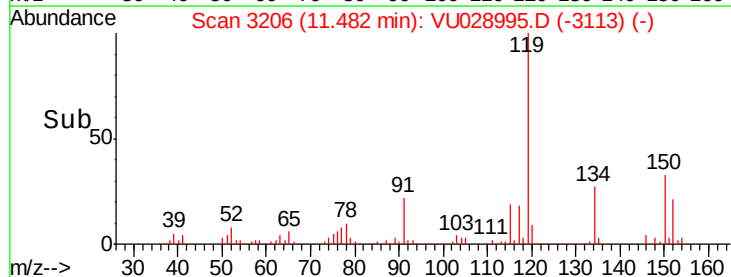
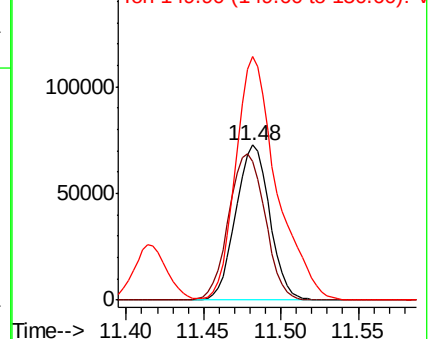
152 100

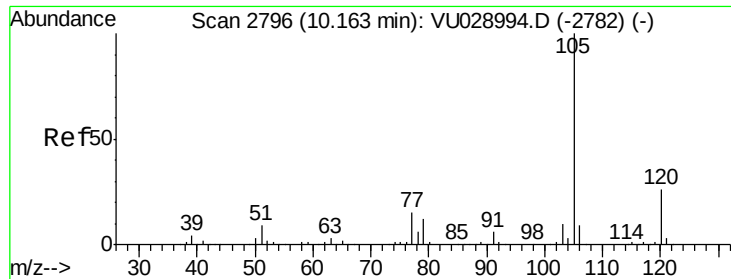
115 101.4 40.1 120.3

150 190.0 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: 95.085 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 776664

Ion Ratio Lower Upper

105 100

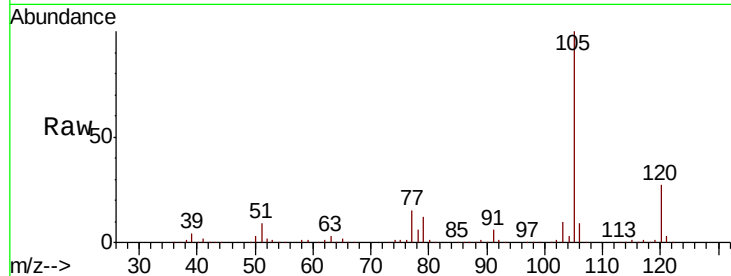
120 26.8 13.2 39.5

Manual Integrations

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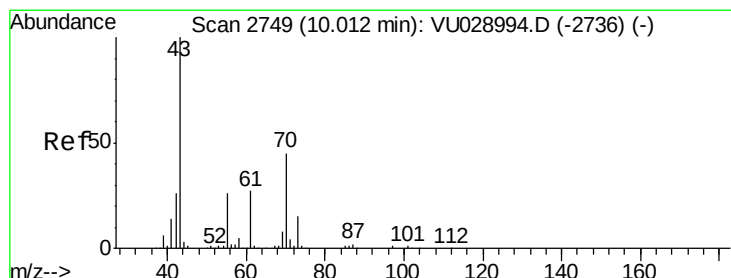
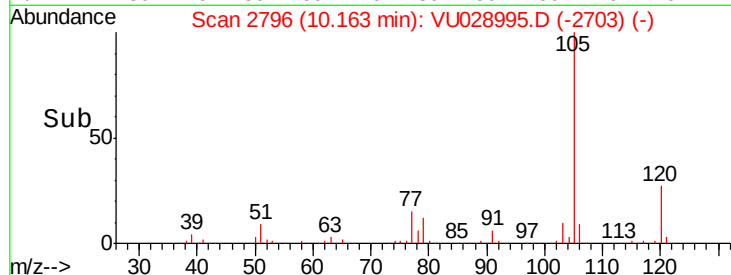
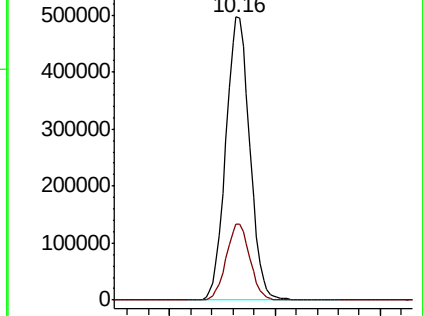
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 100.631 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Tgt Ion: 43 Resp: 354196

Ion Ratio Lower Upper

43 100

70 45.7 36.3 54.5

55 25.4 20.5 30.7

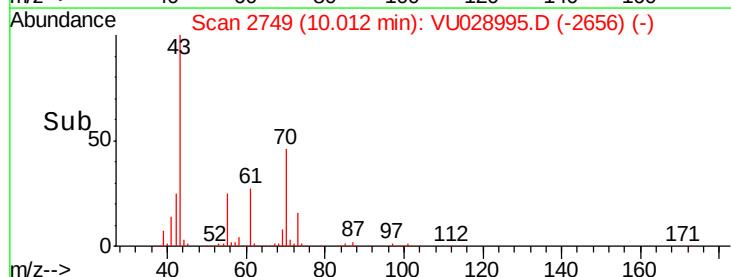
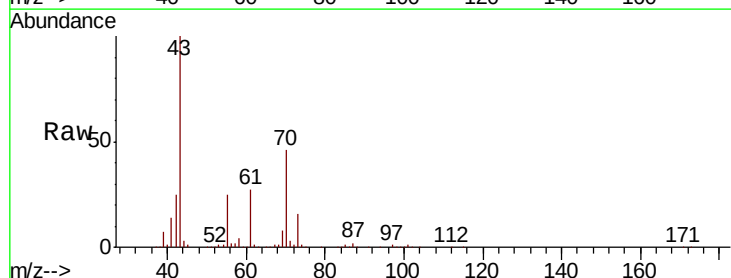
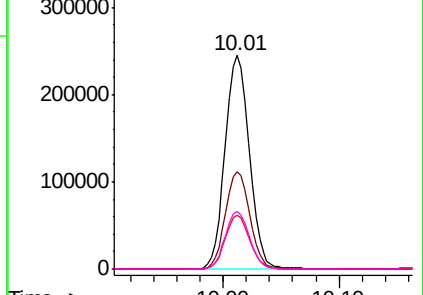
61 26.9 21.8 32.8

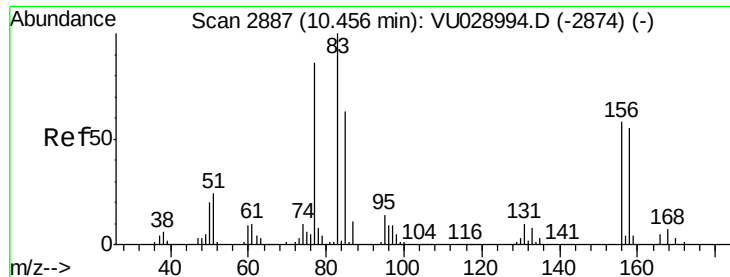
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 94.094 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 308031
Ion Ratio Lower Upper

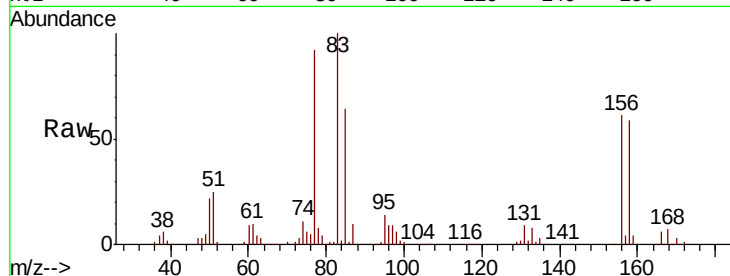
83 100

131 9.0 4.7 14.1

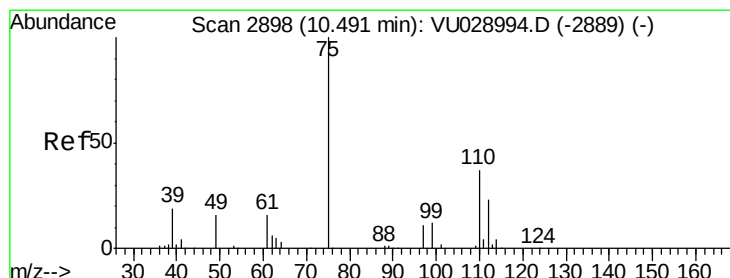
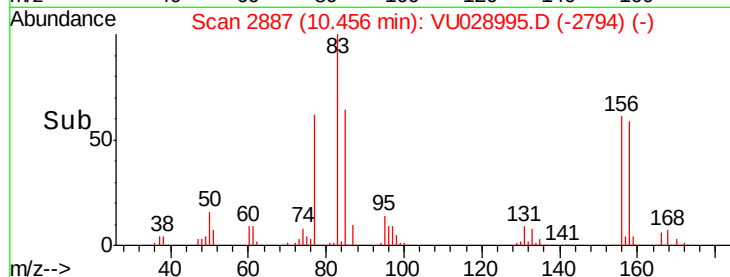
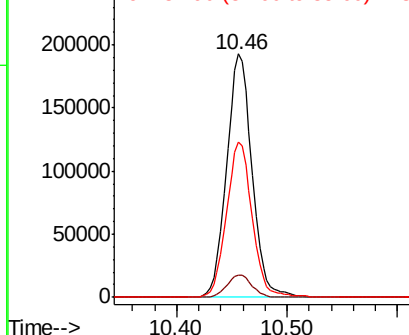
85 64.4 32.0 96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 93.041 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

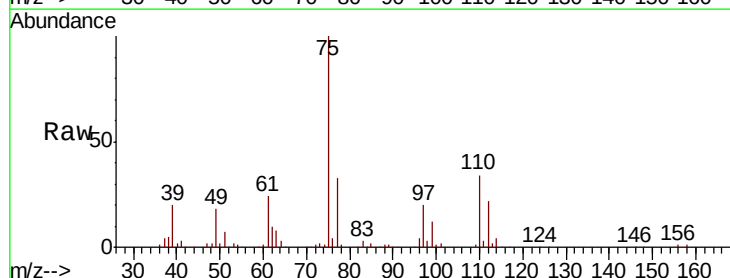
Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

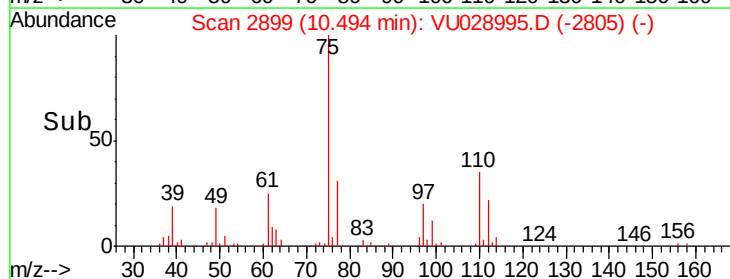
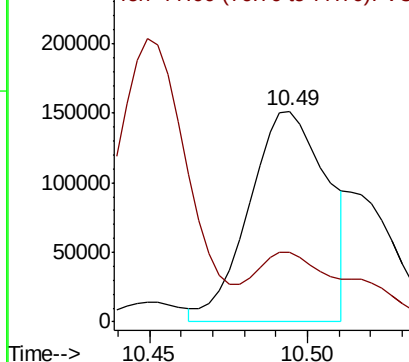
Tgt Ion: 75 Resp: 260584
Ion Ratio Lower Upper

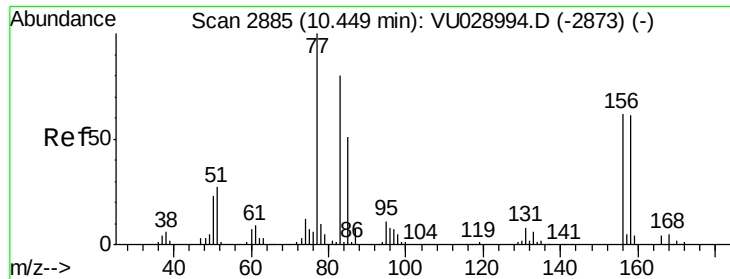
75 100

77 42.2 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





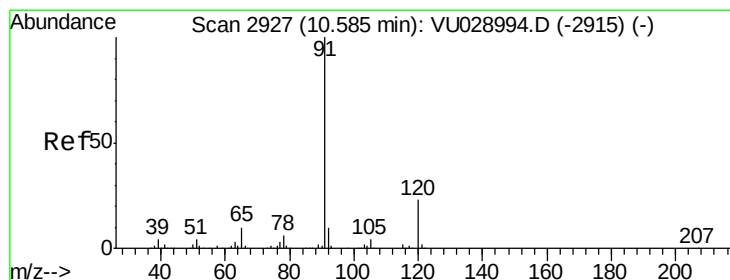
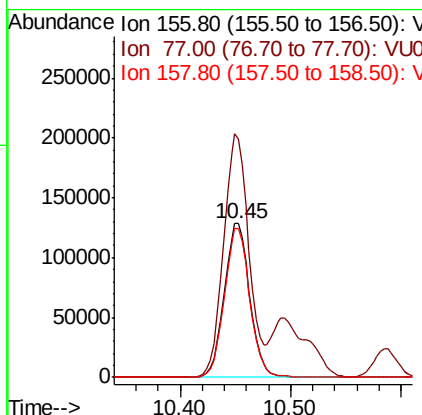
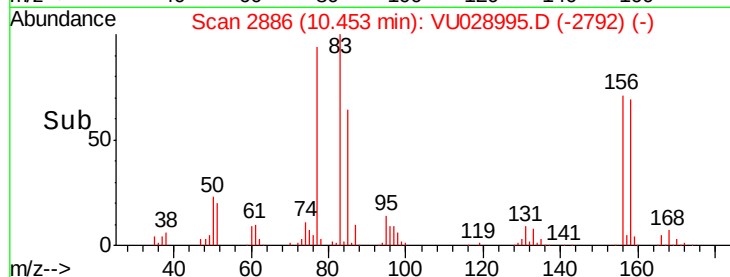
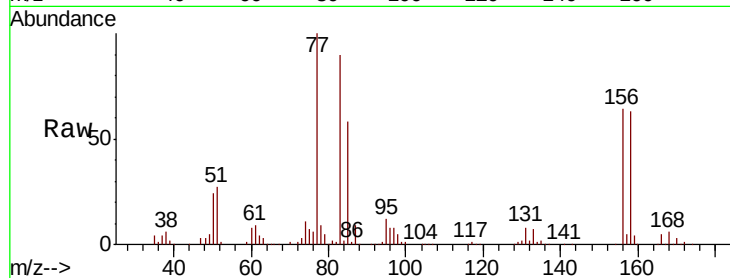
#77
Bromobenzene
Concen: 96.487 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion:156 Resp: 205383
Ion Ratio Lower Upper
156 100
77 156.2 79.0 237.2
158 96.4 48.9 146.6

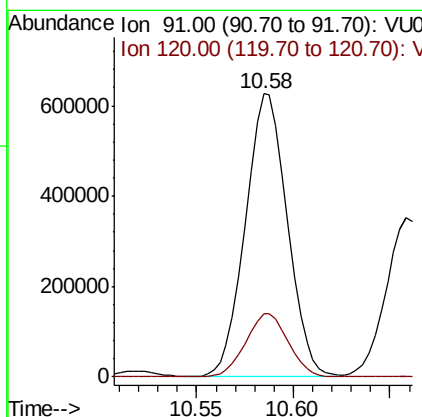
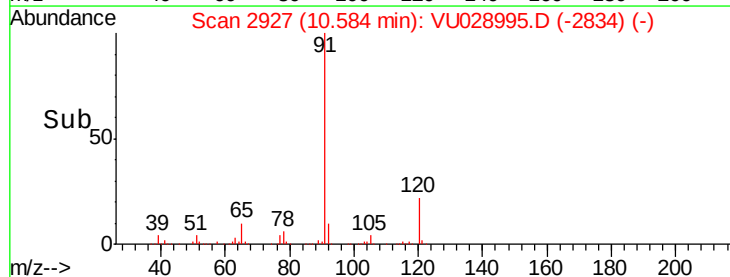
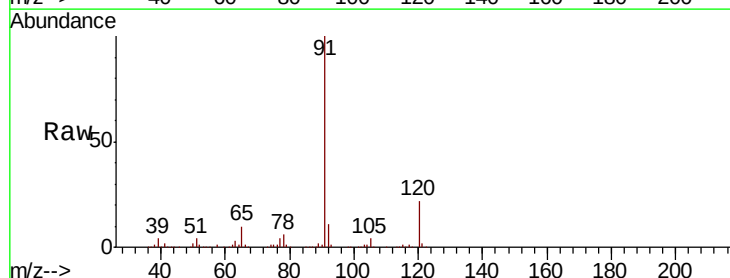
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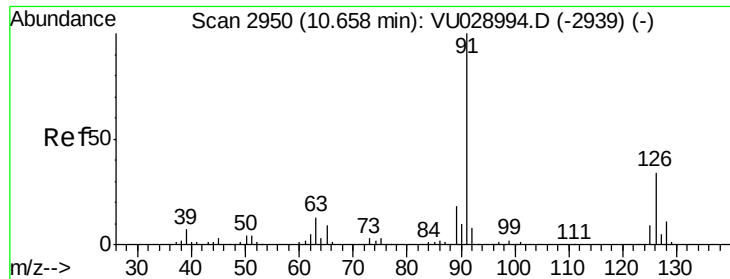
MMDadoda
1/4/2019 9:51:00 AM



#78
n-propylbenzene
Concen: 98.269 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 91 Resp: 945933
Ion Ratio Lower Upper
91 100
120 22.7 11.3 33.9





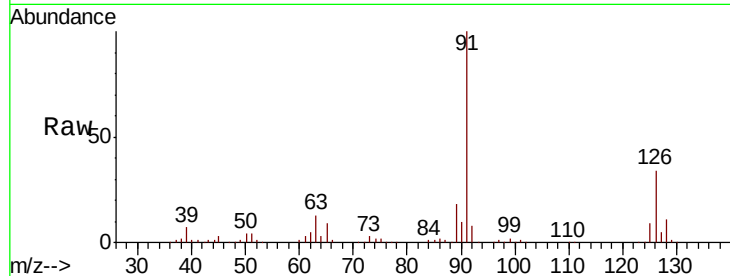
#79
2-Chlorotoluene
Concen: 94.337 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

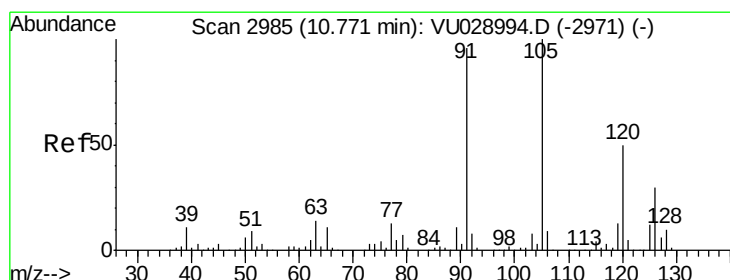
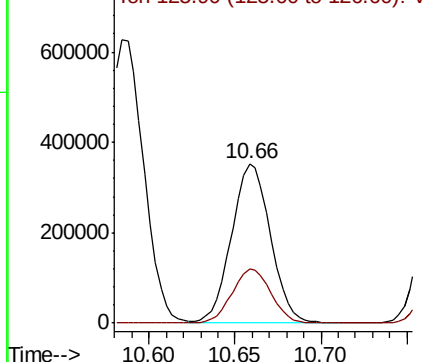
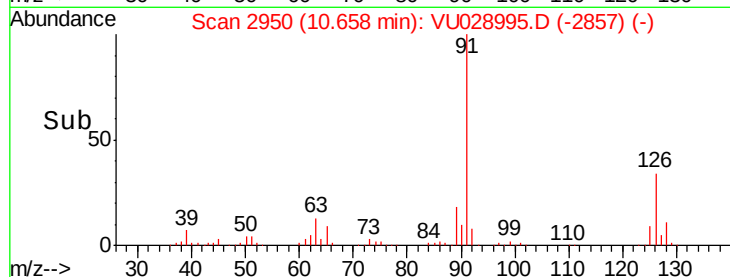
Tgt Ion: 91 Resp: 550855
Ion Ratio Lower Upper
91 100
126 34.1 16.8 50.4

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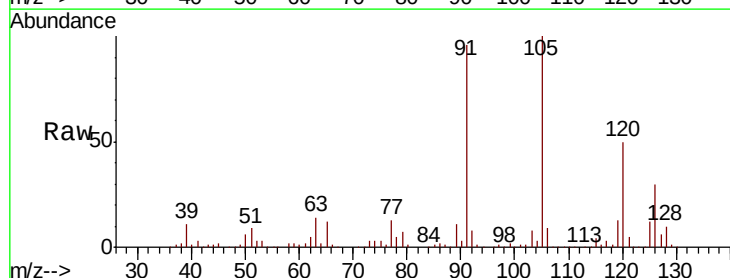


Abundance Ion 91.00 (90.70 to 91.70): VU028995.D (-2857) (-)
Ion 125.90 (125.60 to 126.60): VU028995.D (-2857) (-)

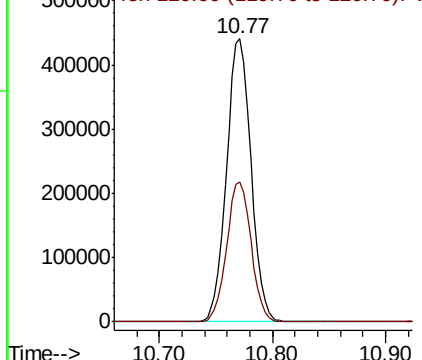
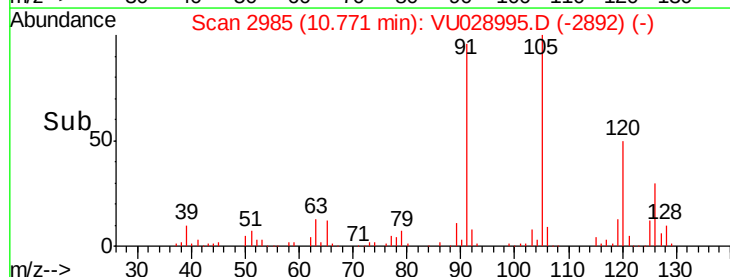


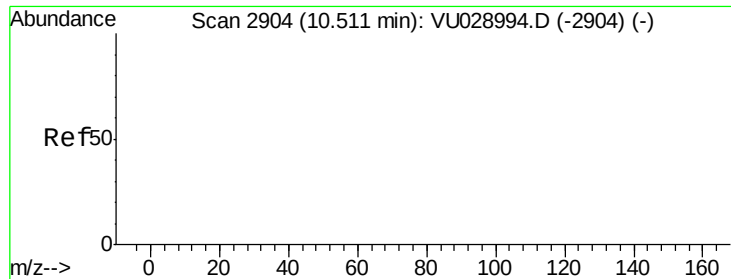
#80
1,3,5-Trimethylbenzene
Concen: 97.438 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 105 Resp: 664631
Ion Ratio Lower Upper
105 100
120 49.4 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028995.D (-2892) (-)
Ion 120.00 (119.70 to 120.70): VU028995.D (-2892) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 73.695 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU028995.D

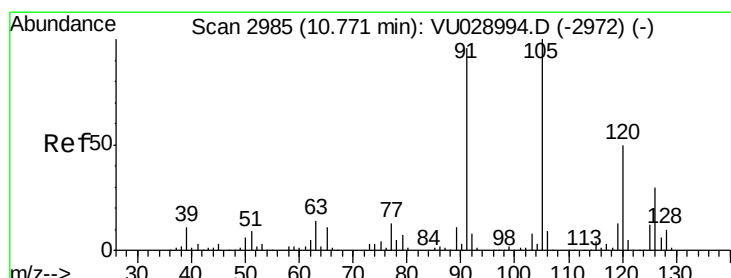
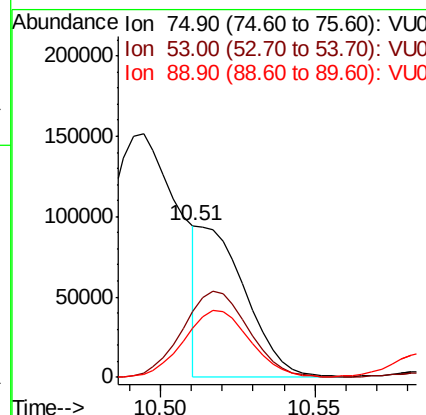
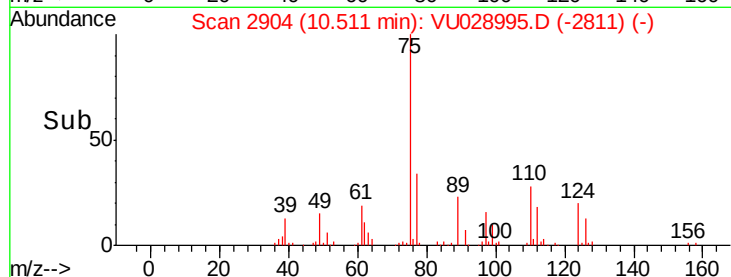
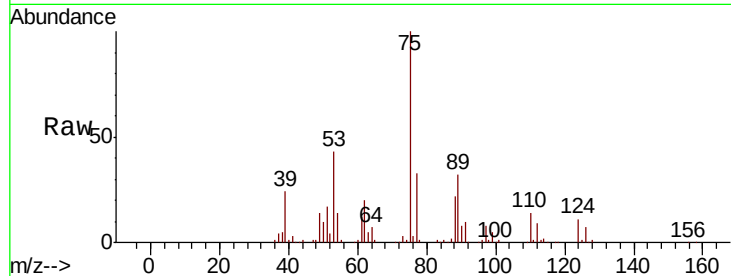
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 96.443 ug/l

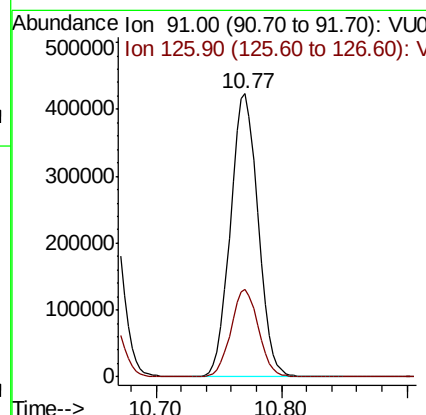
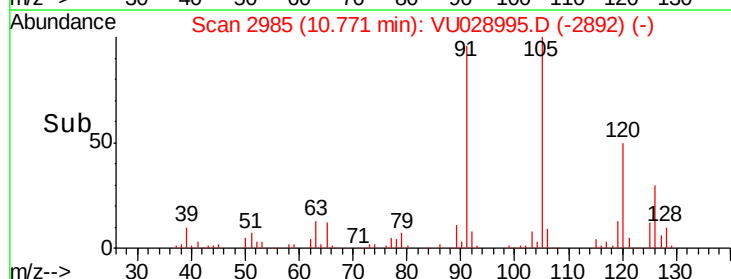
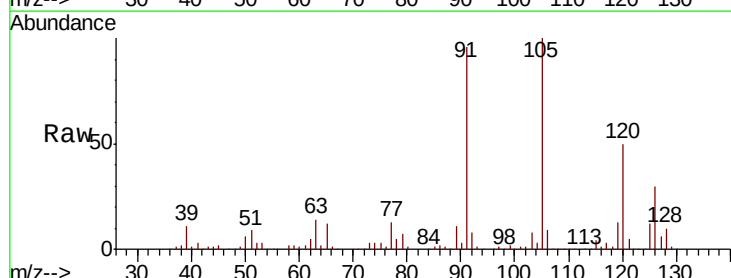
RT: 10.77 min Scan# 2985

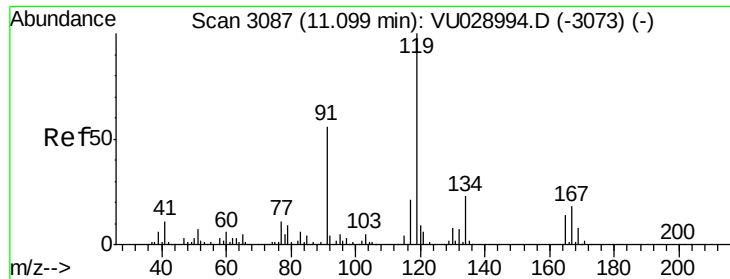
Delta R.T. -0.00 min

Lab File: VU028995.D

Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





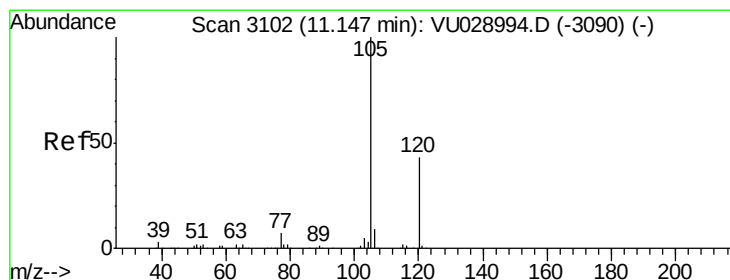
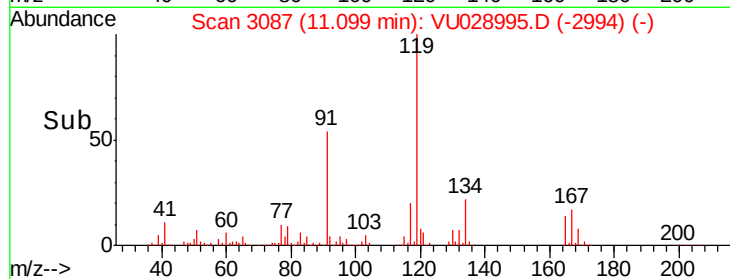
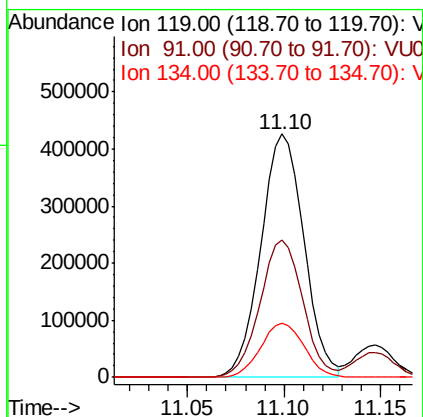
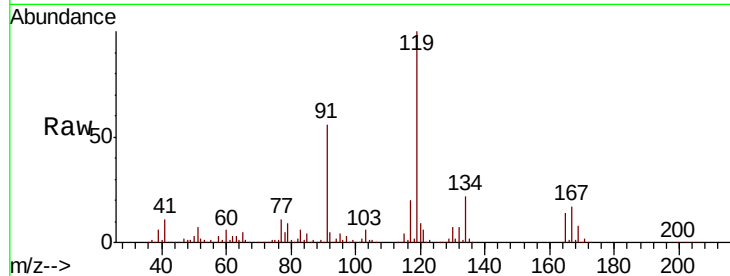
#83
 tert-Butylbenzene
 Concen: 98.169 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	659988		
91	56.1	28.2	84.6	
134	22.4	11.3	33.8	

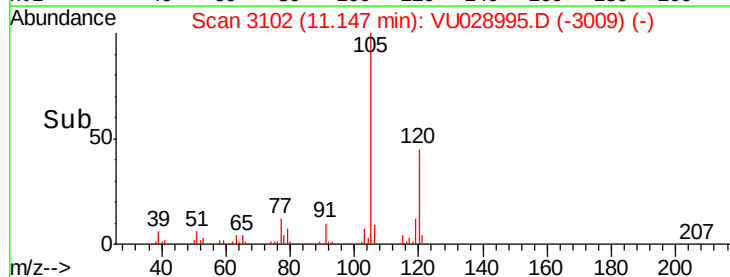
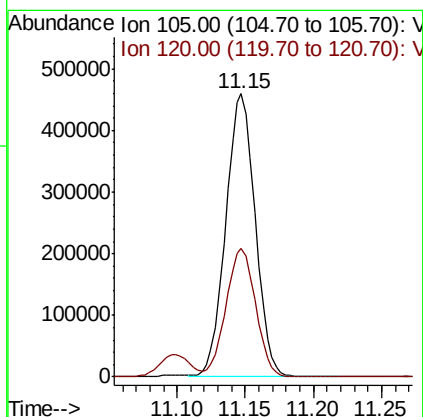
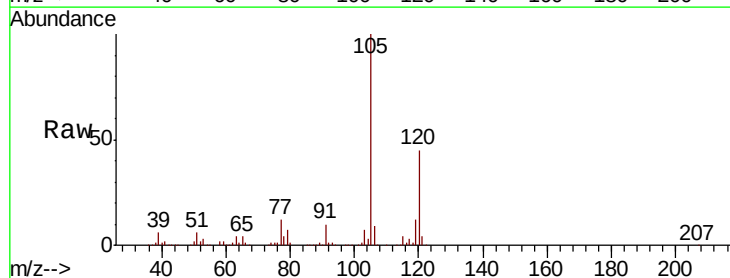
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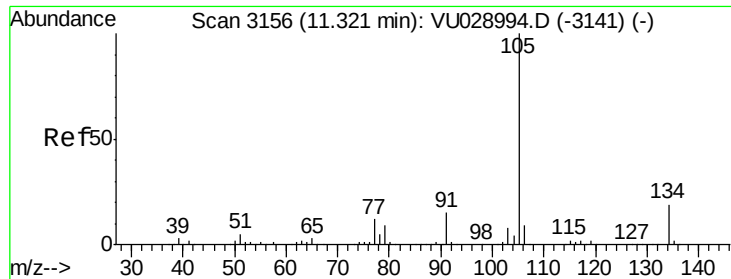
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 1/4/2019 9:51:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 101.058 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	688213		
120	45.8	23.1	69.3	





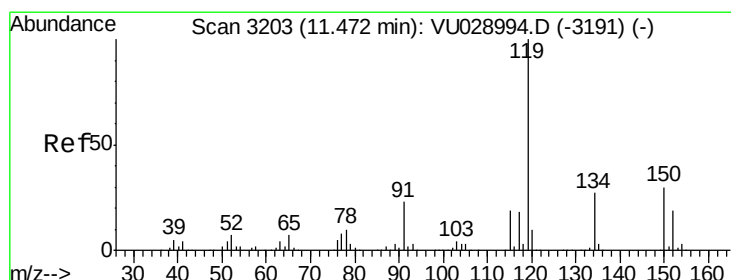
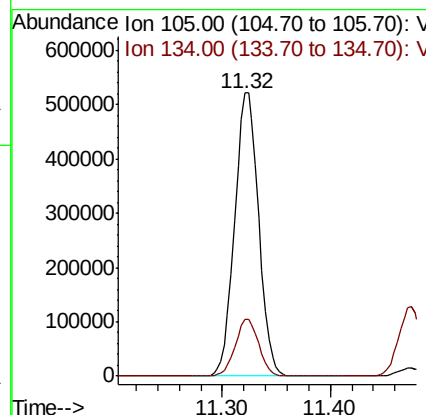
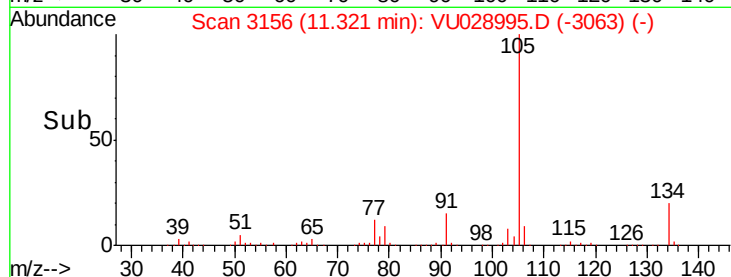
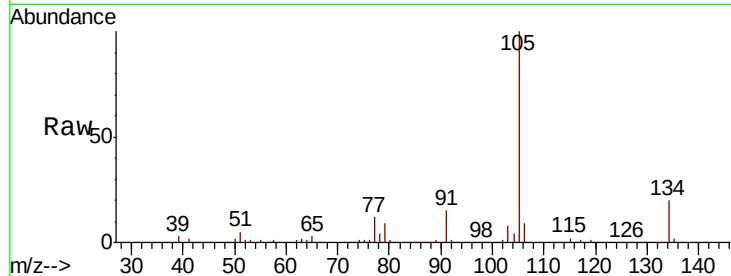
#85
 sec-Butylbenzene
 Concen: 99.548 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 809404
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1

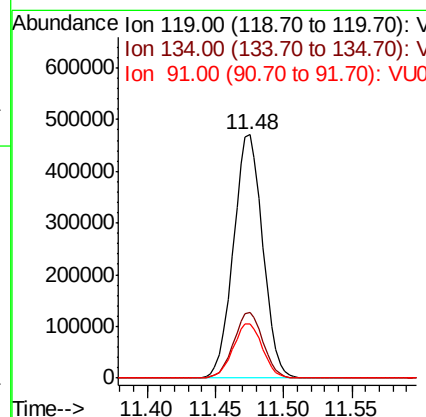
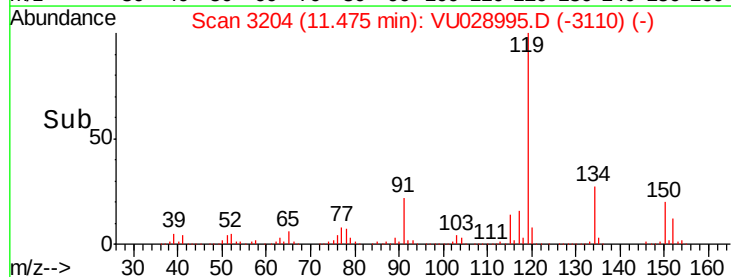
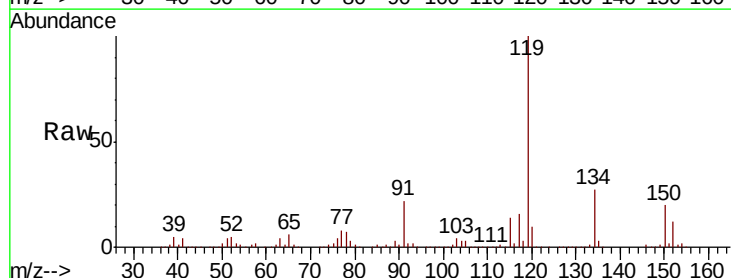
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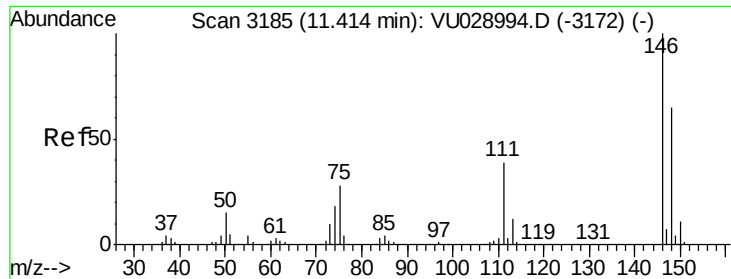
MMDadoda
 1/4/2019 9:51:00 AM



#86
 p-Isopropyltoluene
 Concen: 101.169 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion:119 Resp: 700940
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 22.5 11.3 33.8





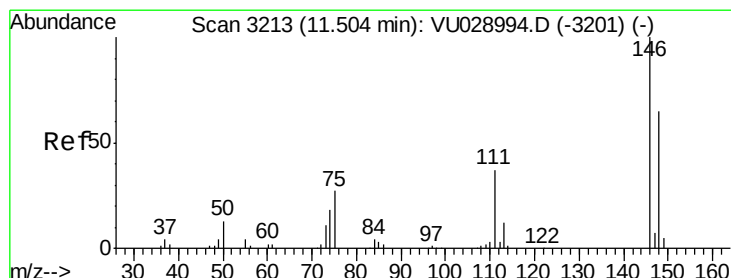
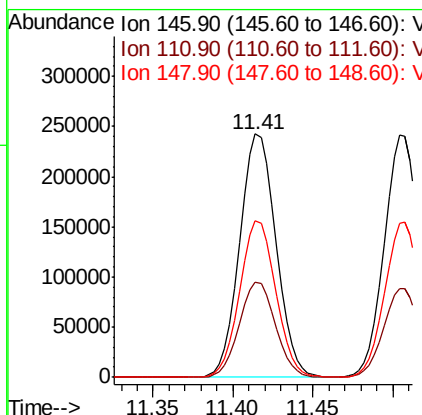
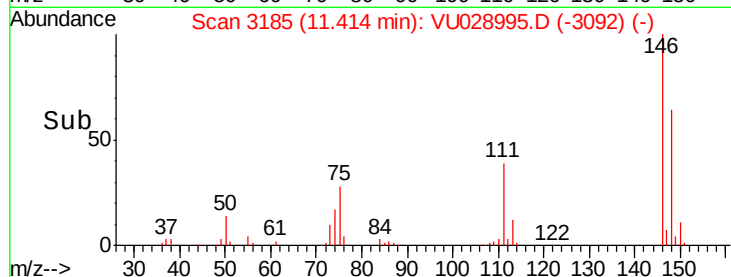
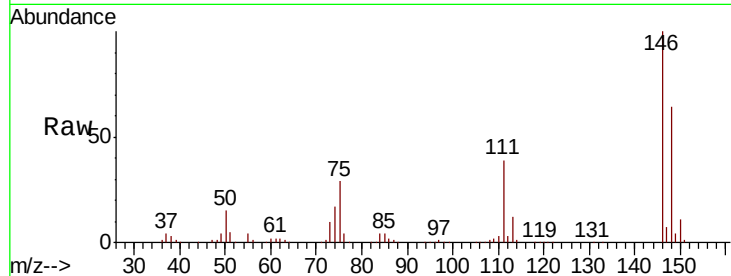
#87
 1,3-Dichlorobenzene
 Concen: 95.737 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	63.9	32.5	97.5

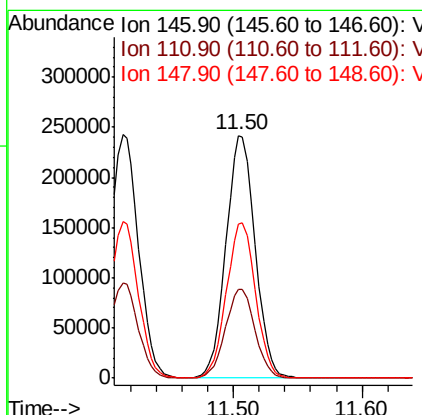
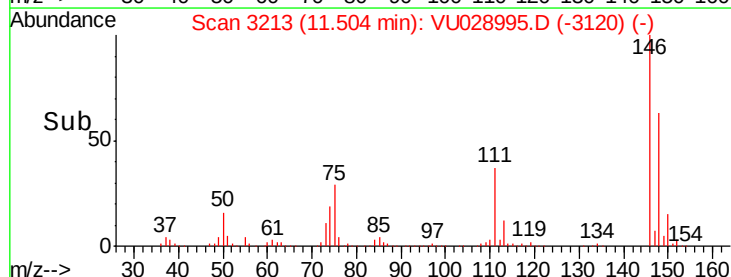
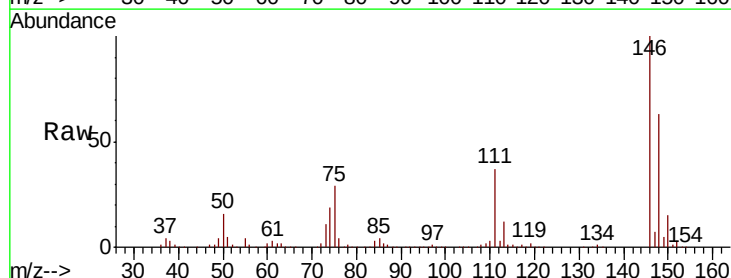
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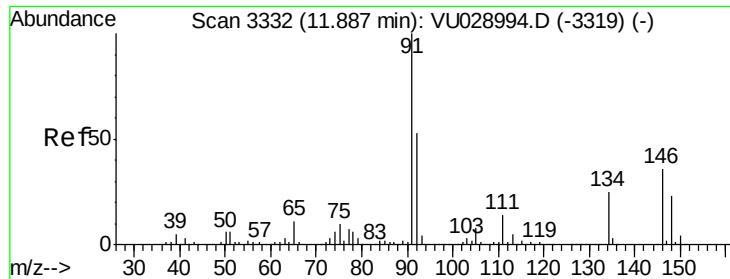
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#88
 1,4-Dichlorobenzene
 Concen: 93.654 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.3
148	64.2	32.6	98.0





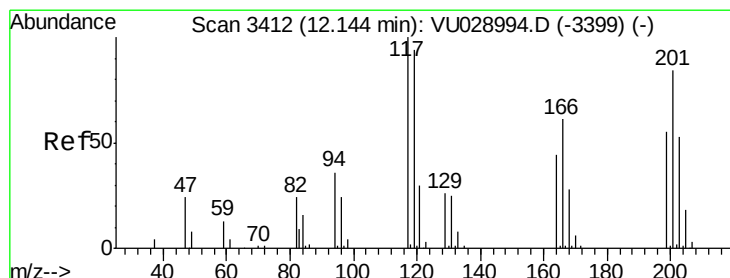
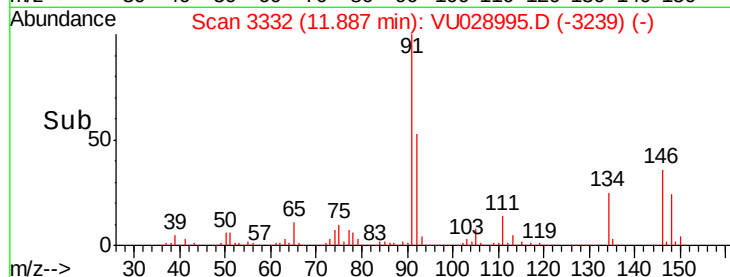
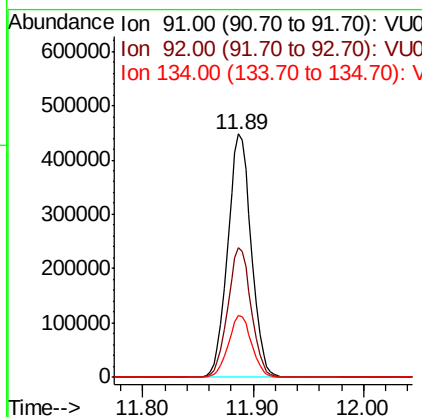
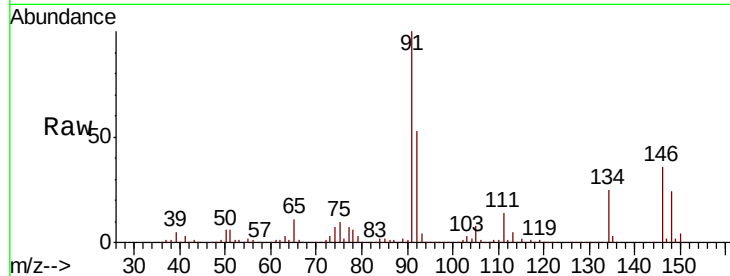
#89
n-Butylbenzene
Concen: 106.980 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 661548
Ion Ratio Lower Upper
91 100
92 53.1 26.2 78.5
134 25.3 12.6 37.6

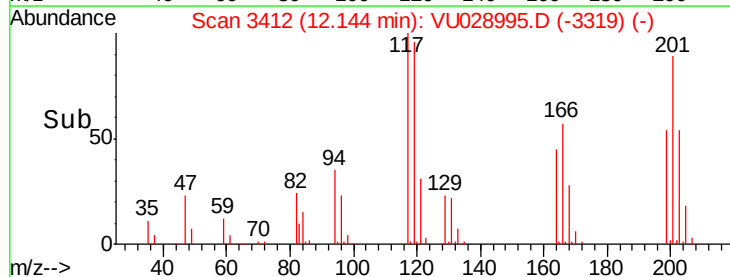
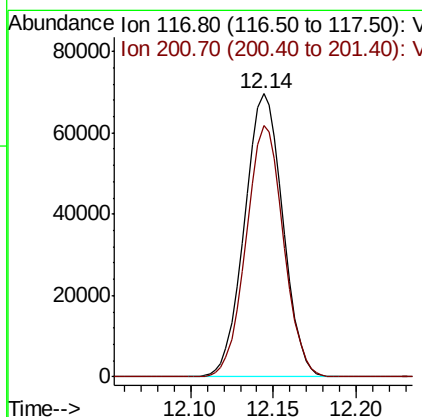
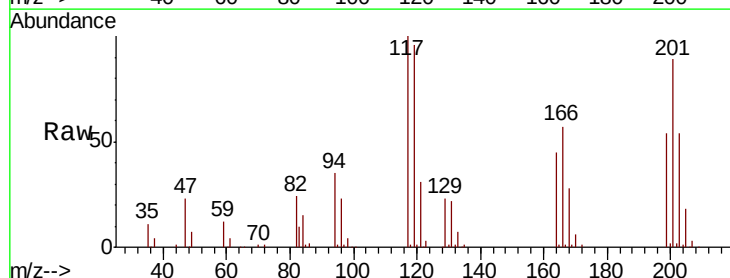
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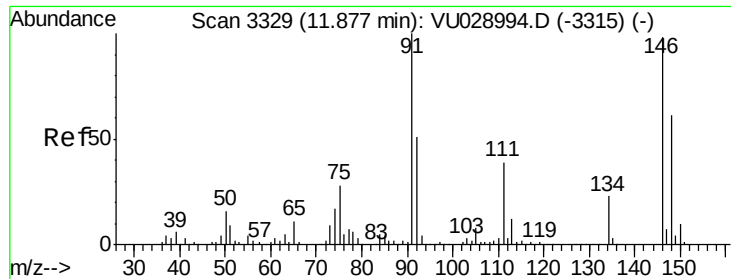
MMDadoda
1/4/2019 9:51:00 AM



#90
Hexachloroethane
Concen: 96.177 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion: 117 Resp: 112099
Ion Ratio Lower Upper
117 100
201 86.5 42.4 127.3





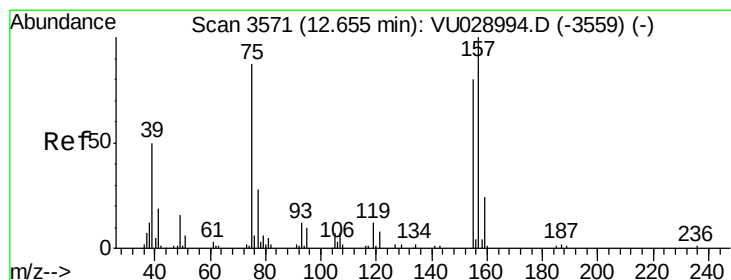
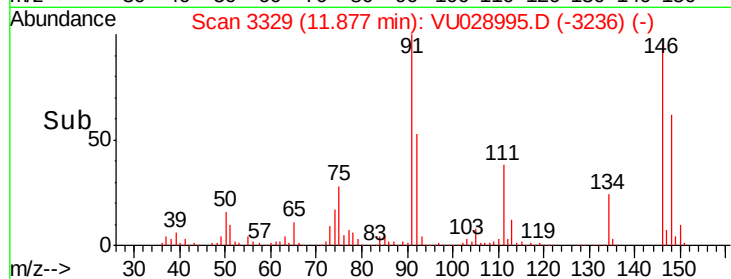
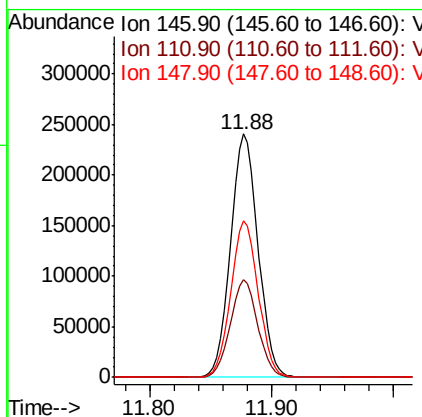
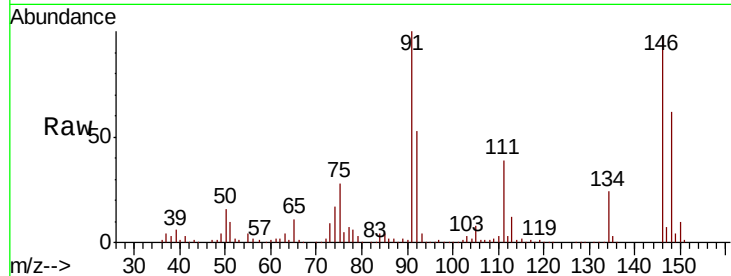
#91
 1,2-Dichlorobenzene
 Concen: 96.028 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	377636		
111	40.0	20.0	59.9	
148	64.2	31.6	94.8	

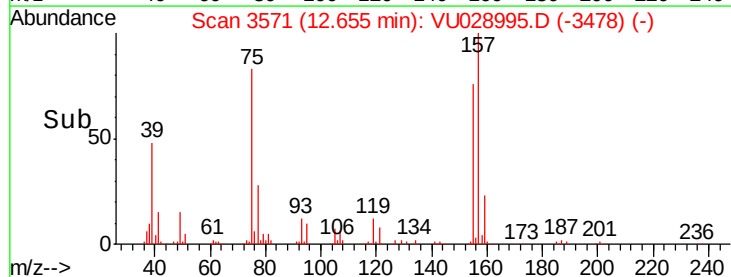
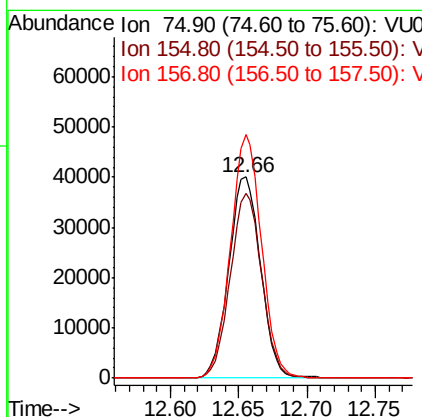
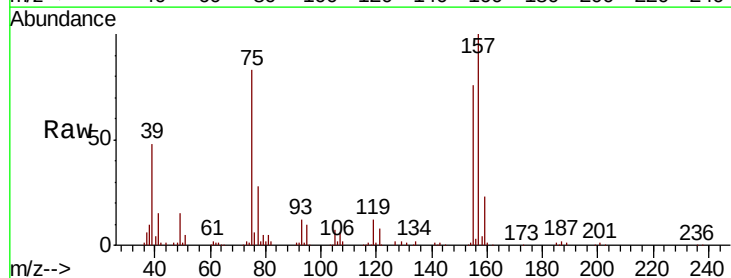
Manual Integrations
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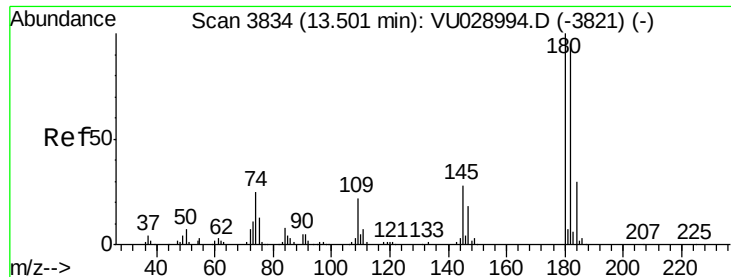
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.203 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64981		
155	90.8	46.3	138.8	
157	117.4	57.4	172.0	





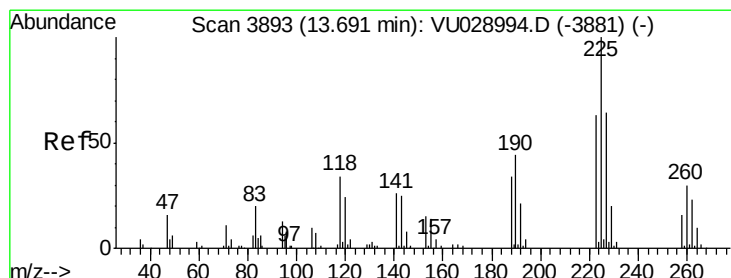
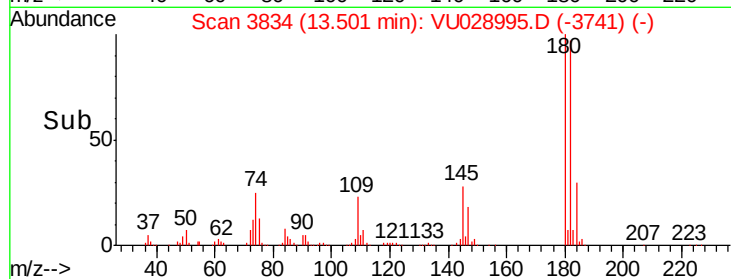
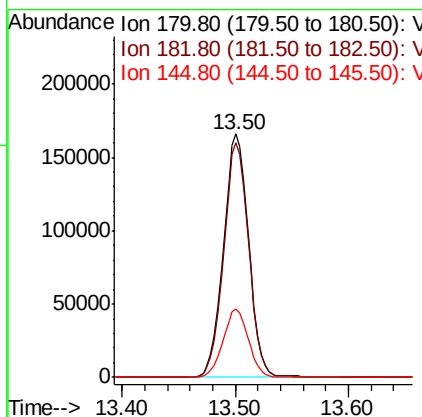
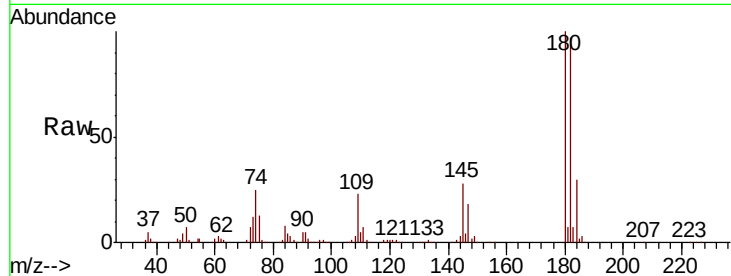
#93
 1,2,4-Trichlorobenzene
 Concen: 102.289 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	256781		
182	95.7	47.5	142.6	
145	28.2	14.0	42.0	

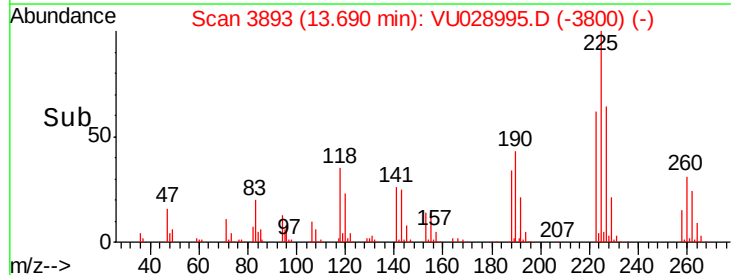
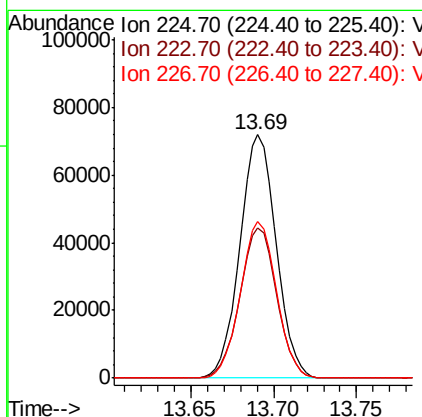
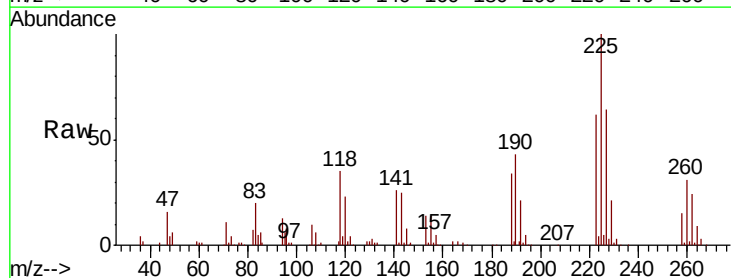
Manual Integrations
 APPROVED

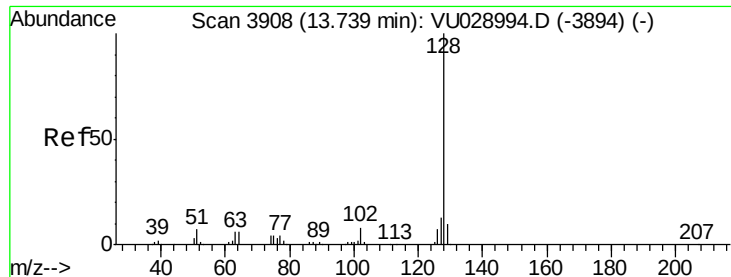
MMDadoda
 1/4/2019 9:51:00 AM



#94
 Hexachlorobutadiene
 Concen: 95.171 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028995.D
 Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109277		
223	62.6	31.4	94.0	
227	64.0	31.9	95.5	





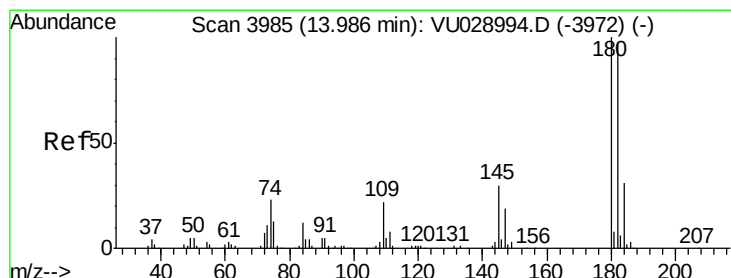
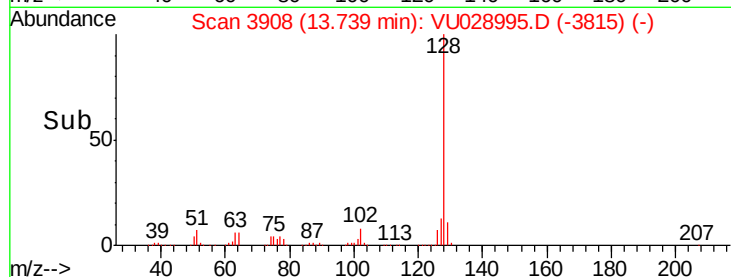
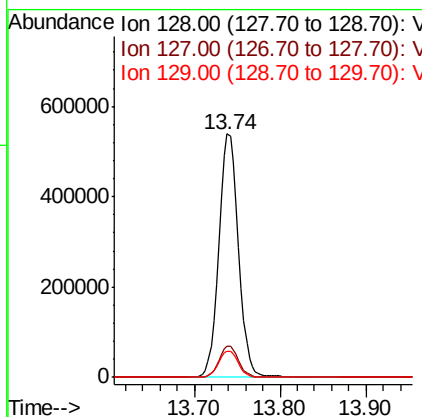
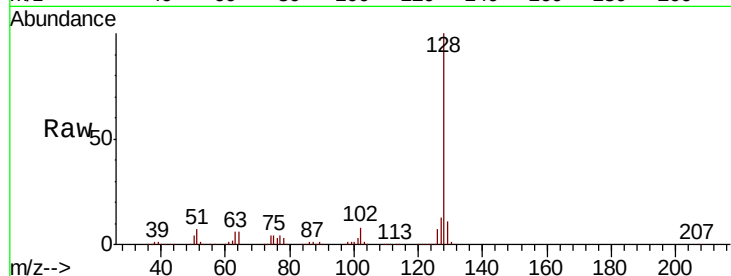
#95
Naphthalene
Concen: 99.935 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/4/2019 9:51:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 96.654 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028995.D
Acq: 03 Jan 2019 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.1	144.3
145	30.0	14.8	44.4

