

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029830.D
 Acq On : 06 Mar 2019 09:26
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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 3/11/2019 4:49:41 PM

Quant Time: Mar 08 01:26:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	63700	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22235	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24672	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	11036	0.518	ug/l	97
3) Chloromethane	1.33	50	10701	0.564	ug/l	97
4) Vinyl Chloride	1.40	62	11170	0.523	ug/l	98
5) Bromomethane	1.63	94	8612	0.591	ug/l	90
6) Chloroethane	1.70	64	7037	0.550	ug/l	96
7) Trichlorofluoromethane	1.88	101	15114	0.519	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	9007	0.532	ug/l	98
9) 1,1-Dichloroethene	2.28	96	8731	0.527	ug/l	98
10) Iodomethane	2.41	142	4791	0.334	ug/l	97
11) Allyl Chloride	2.59	41	12225	0.525	ug/l	95
12) Acrylonitrile	2.93	53	3780	1.046	ug/l	90
13) Acetone	2.32	43	8904	2.976	ug/l	98
14) Carbon Disulfide	2.47	76	28096	0.524	ug/l	97
15) Methylene Chloride	2.69	84	11647	0.586	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	9622	0.514	ug/l	96
17) 1,1-Dichloroethane	3.44	63	16578	0.529	ug/l	95
18) 2-Butanone	4.28	43	9762	2.401	ug/l	89
19) Cyclohexane	4.98	56	11726m	0.493	ug/l	
20) Methylcyclohexane	6.41	83	13549	0.478	ug/l	96
21) 2,2-Dichloropropane	4.22	77	13248	0.518	ug/l	94
22) cis-1,2-Dichloroethene	4.23	96	10277	0.518	ug/l	97
23) Diethyl Ether	2.10	59	6444	0.519	ug/l	93
24) tert-Butyl Alcohol	2.84	59	7223	5.637	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	21310	0.511	ug/l	98
26) Bromochloromethane	4.54	128	4305	0.489	ug/l	92
27) Chloroform	4.67	83	16343	0.515	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	13145	0.489	ug/l	97
29) 1,1-Dichloropropene	5.13	75	11977	0.501	ug/l	95
30) Carbon Tetrachloride	5.13	117	11383	0.485	ug/l	95
31) Isopropyl Ether	3.57	45	22197	0.514	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	20812	0.496	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	18407	0.474	ug/l	99
34) Propionitrile	4.33	54	2959	2.446	ug/l #	81
35) Benzene	5.38	78	34893	0.496	ug/l	97
36) 1,2-Dichloroethane	5.40	62	9896	0.515	ug/l	95
37) Trichloroethene	6.18	130	10638	0.518	ug/l	95
38) 1,2-Dichloropropane	6.43	63	8917	0.500	ug/l	99
39) Methacrylonitrile	4.56	41	2356	0.463	ug/l #	88
40) Methyl acrylate	4.44	55	4007	0.498	ug/l #	72
41) Tetrahydrofuran	4.66	42	2965	1.114	ug/l	89
42) 1-Chlorobutane	5.06	56	13963	0.457	ug/l	93

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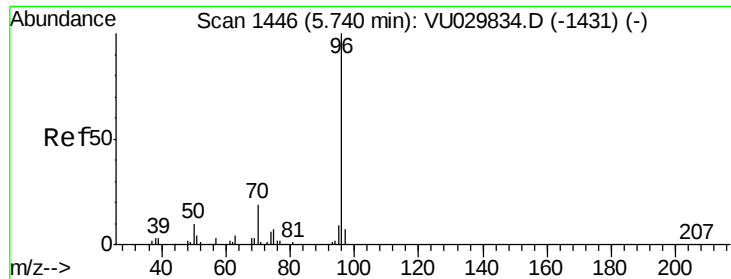
Manual Integrations
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Quant Time: Mar 08 01:26:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	4383	0.475	ug/l	96
44) Bromodichloromethane	6.75	83	11606	0.512	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	22634	2.350	ug/l	95
46) t-1,4-Dichloro-2-butene	10.51	75	3691m	0.880	ug/l	
47) Methyl methacrylate	6.63	69	6522	0.823	ug/l	90
48) Ethyl methacrylate	8.02	69	6368	0.419	ug/l	92
49) Toluene	7.63	92	20355	0.471	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	9458	0.476	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	11780	0.479	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	6937	0.508	ug/l	97
53) 1,3-Dichloropropane	8.24	76	11032	0.492	ug/l	99
54) 2-Hexanone	8.37	43	15848	2.369	ug/l	95
55) Dibromochloromethane	8.48	129	7856	0.484	ug/l	93
56) 1,2-Dibromoethane	8.59	107	6501	0.502	ug/l	98
58) Tetrachloroethene	8.22	164	11028	0.525	ug/l	98
59) Chlorobenzene	9.12	112	24256	0.488	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.20	131	8886	0.499	ug/l	98
61) Pentachloroethane	11.10	117	5727	0.462	ug/l	95
62) Hexachloroethane	12.14	117	6109	0.468	ug/l	97
63) Ethyl Benzene	9.25	91	37994	0.467	ug/l	98
64) m/p-Xylenes	9.37	106	27529	0.856	ug/l	92
65) o-Xylene	9.78	106	13400	0.434	ug/l	90
66) Styrene	9.79	104	21451	0.418	ug/l	96
67) Bromoform	9.95	173	4413	0.463	ug/l #	94
69) Isopropylbenzene	10.16	105	36536	0.446	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	8486	0.509	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	6584m	0.545	ug/l	
72) Bromobenzene	10.45	156	10186	0.470	ug/l	97
73) n-propylbenzene	10.59	120	9888	0.429	ug/l	98
74) 2-Chlorotoluene	10.66	126	9349	0.458	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	29722	0.431	ug/l	96
76) 4-Chlorotoluene	10.77	126	9211	0.442	ug/l	99
77) tert-Butylbenzene	11.10	119	29608	0.434	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	28203	0.404	ug/l	96
79) sec-Butylbenzene	11.32	105	37789	0.418	ug/l	99
81) p-Isopropyltoluene	11.47	119	32098	0.424	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	20326	0.473	ug/l	96
83) 1,4-Dichlorobenzene	11.51	146	19642	0.468	ug/l	98
84) n-Butylbenzene	11.89	91	29291	0.424	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	19609	0.484	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1023	0.430	ug/l	94
87) 1,2,4-Trichlorobenzene	13.51	180	10415	0.402	ug/l	96
88) Hexachlorobutadiene	13.69	225	7772	0.476	ug/l	97
89) Naphthalene	13.75	128	14786	0.357	ug/l #	94
90) 1,2,3-Trichlorobenzene	13.99	180	9567	0.393	ug/l	90

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

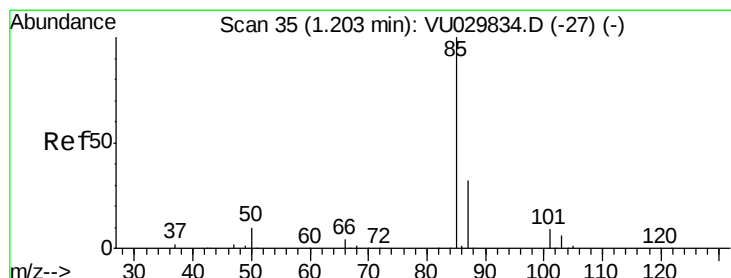
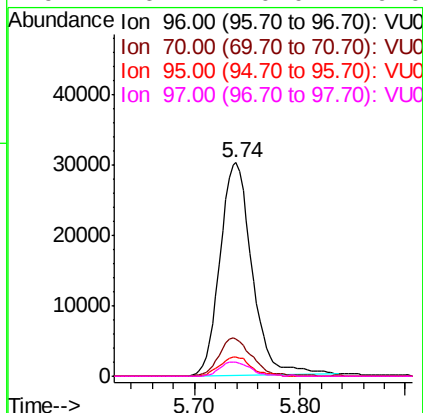
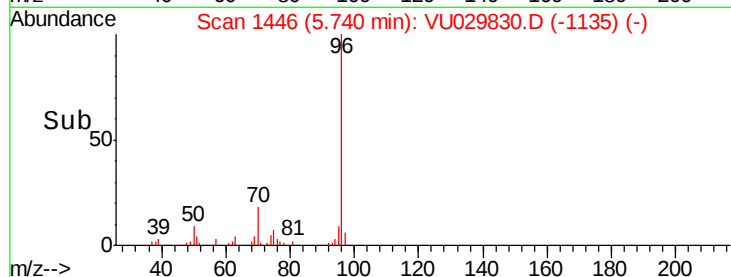
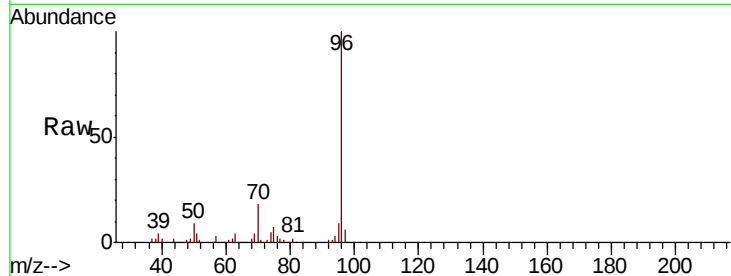
ClientSampleId :

VSTDIC0.5

Tgt Ion:	96	Resp:	63700
Ion	Ratio	Lower	Upper
96	100		
70	18.6	14.4	21.6
95	9.0	7.0	10.6
97	6.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.518 ug/l

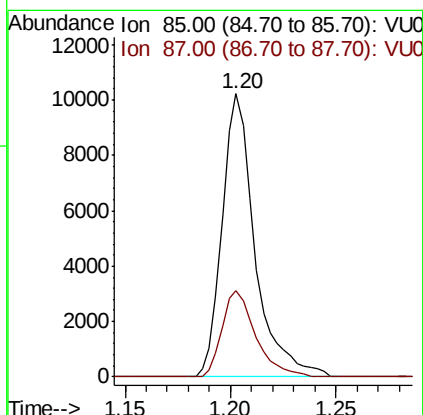
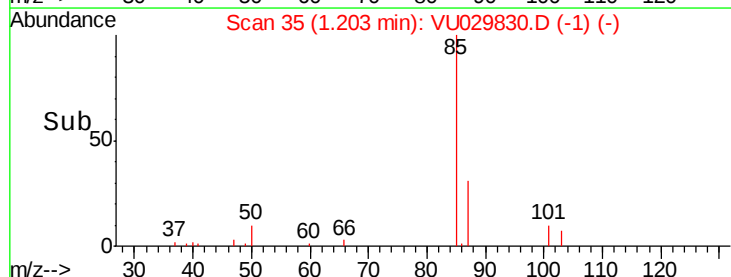
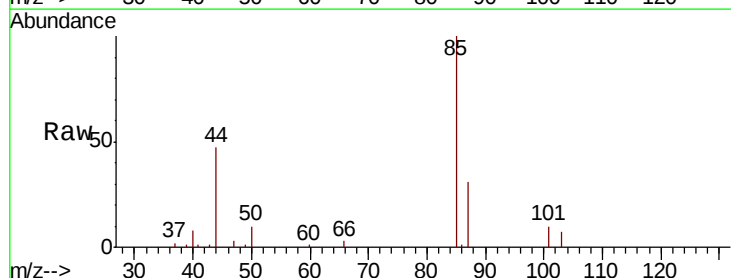
RT: 1.20 min Scan# 35

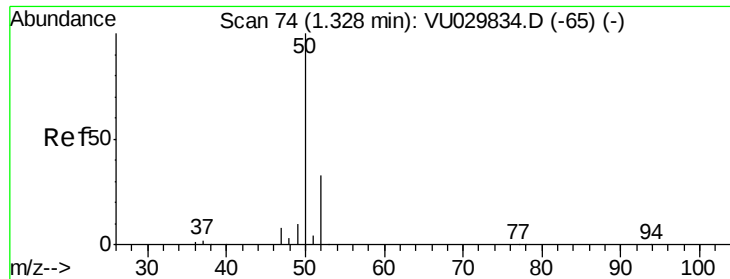
Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Tgt Ion:	85	Resp:	11036
Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.2	48.6





#3

Chloromethane

Concen: 0.564 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tgt Ion: 50 Resp: 10701

Ion Ratio Lower Upper

50 100

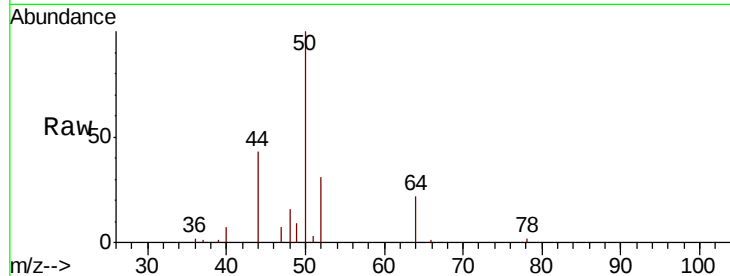
52 31.3 26.5 39.7

Manual Integrations

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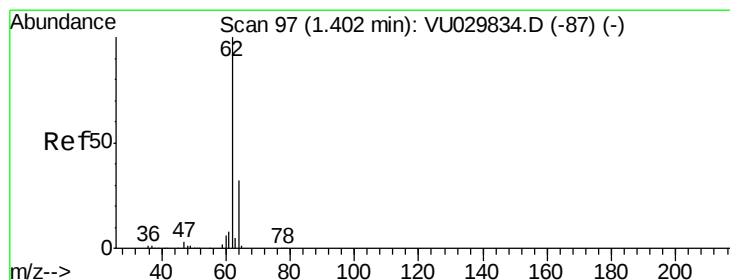
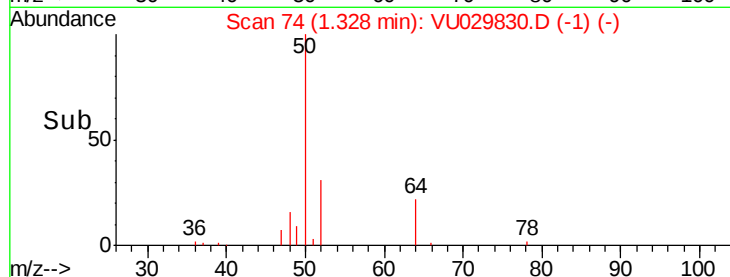
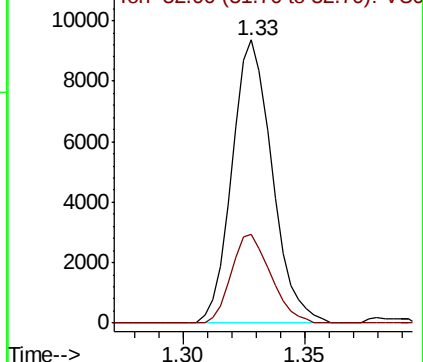
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.523 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029830.D

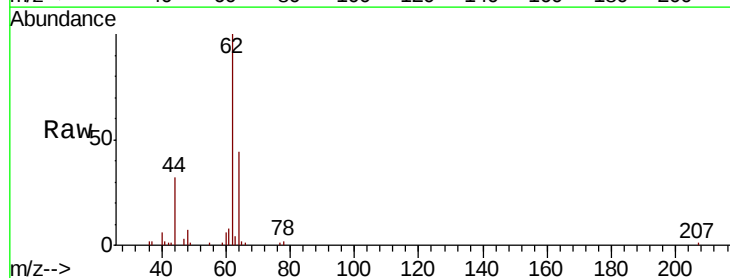
Acq: 06 Mar 2019 09:26

Tgt Ion: 62 Resp: 11170

Ion Ratio Lower Upper

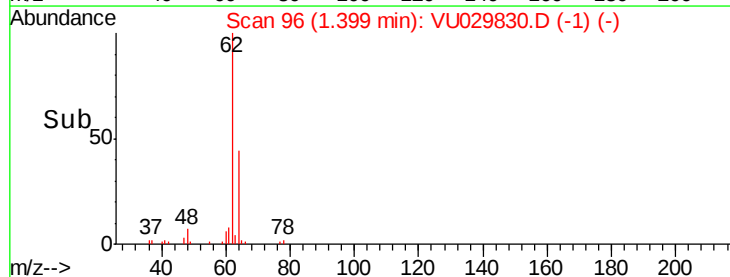
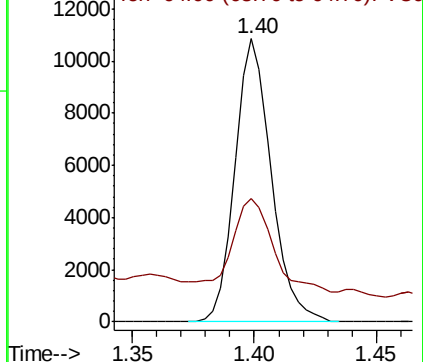
62 100

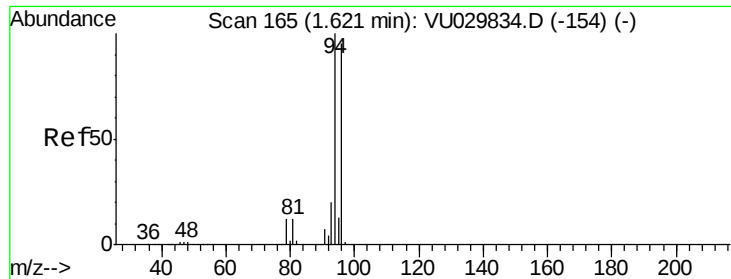
64 33.4 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.591 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 94 Resp: 8612

Ion Ratio Lower Upper

94 100

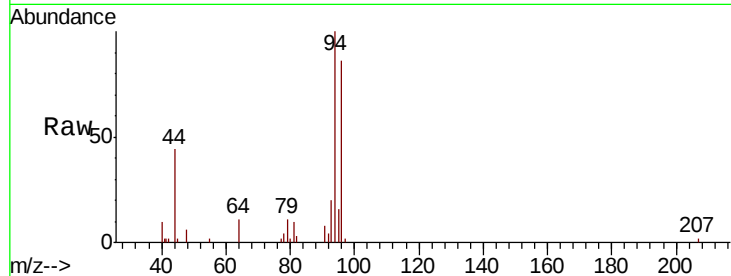
96 85.7 76.4 114.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU029830.D (-9) (-)

Ion 96.00 (95.70 to 96.70): VU029830.D (-9) (-)

8000

6000

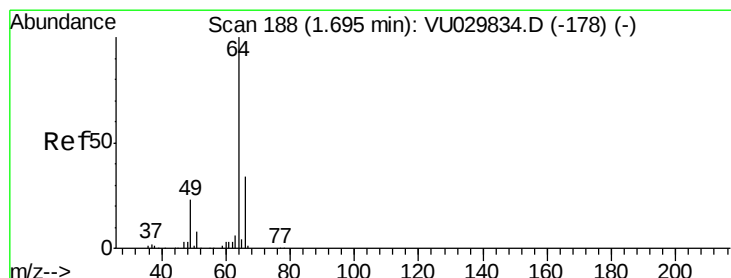
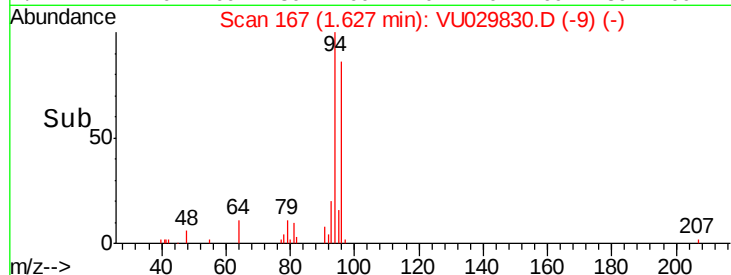
4000

2000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 0.550 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029830.D

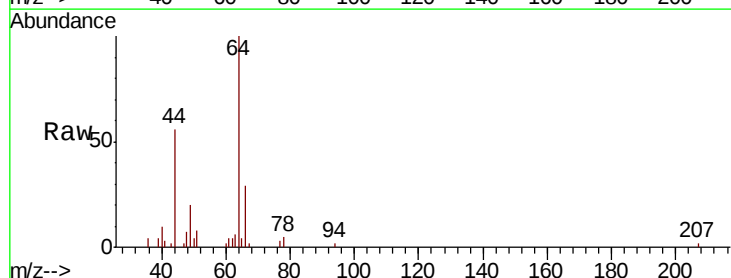
Acq: 06 Mar 2019 09:26

Tgt Ion: 64 Resp: 7037

Ion Ratio Lower Upper

64 100

66 31.7 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029830.D (-32) (-)

Ion 66.00 (65.70 to 66.70): VU029830.D (-32) (-)

6000

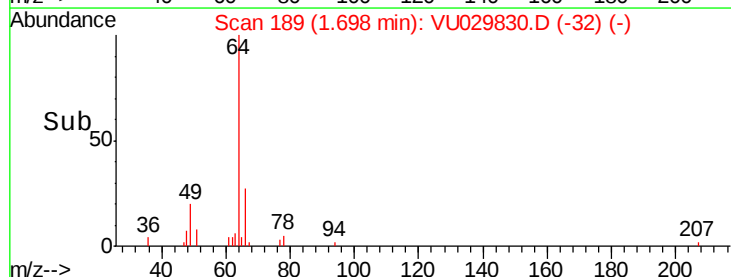
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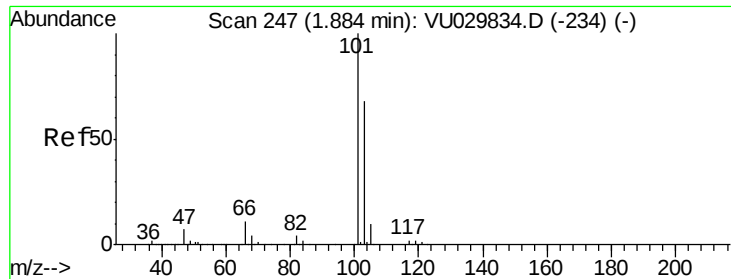
2000

0

1.65 1.70 1.75

Time-->





#7

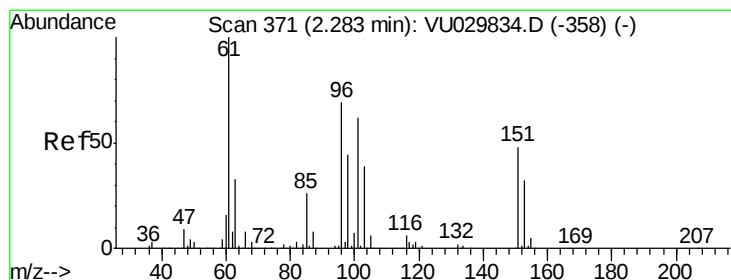
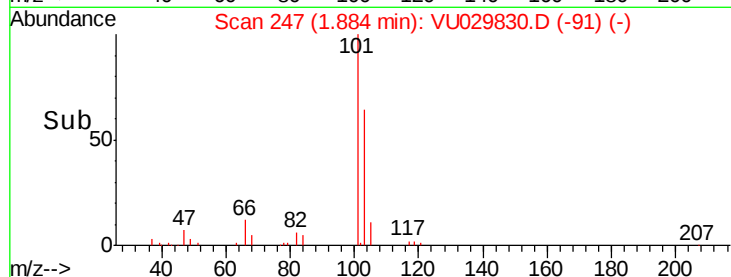
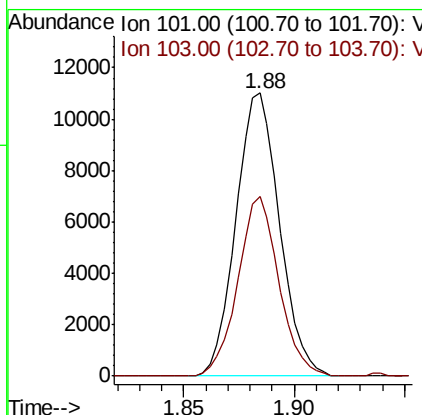
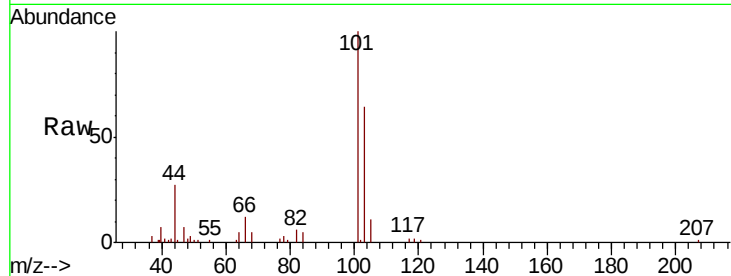
Trichlorofluoromethane
 Concen: 0.519 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
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 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.5	54.2	81.2

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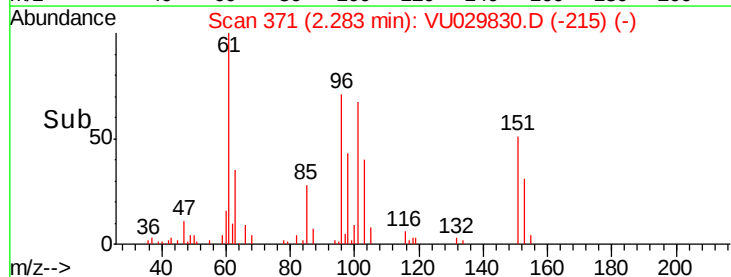
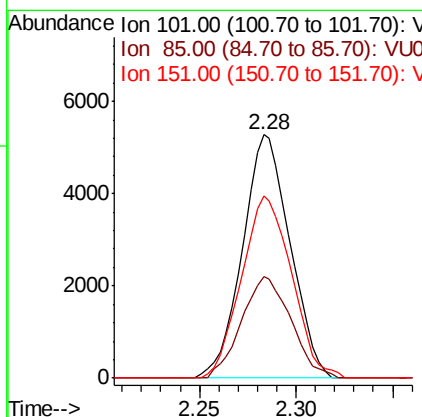
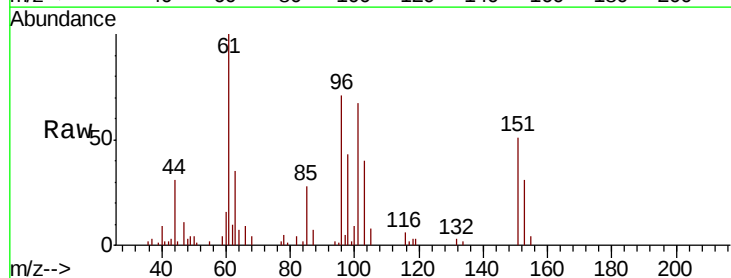
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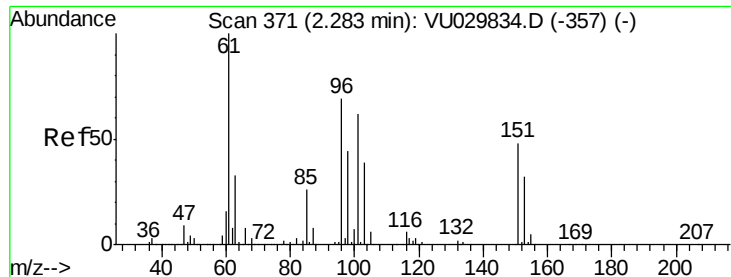


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.532 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.2	33.4	50.0
151	78.9	64.6	97.0





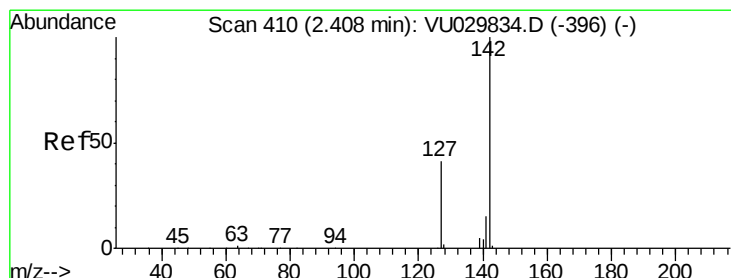
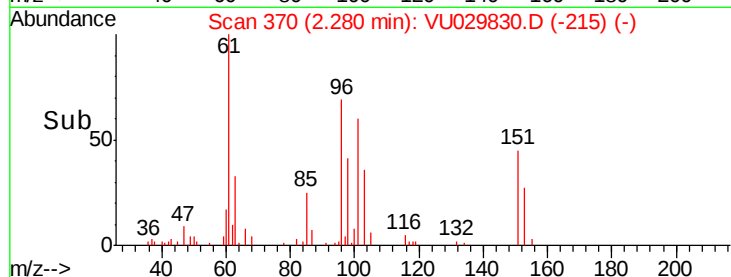
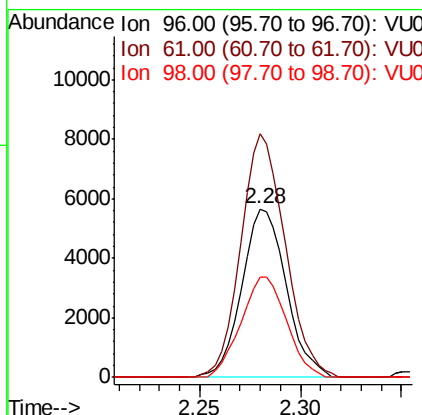
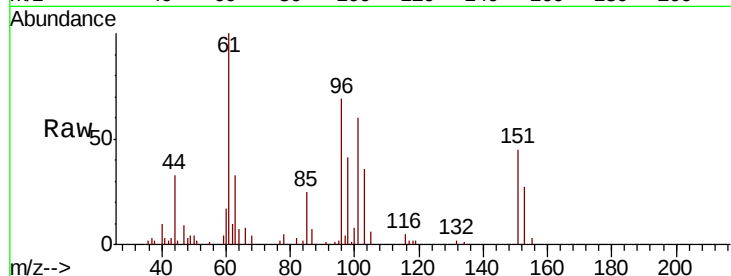
#9
1,1-Dichloroethene
Concen: 0.527 ug/l
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	8731		
61	144.3		0.0	435.3
98	59.4		0.0	128.6

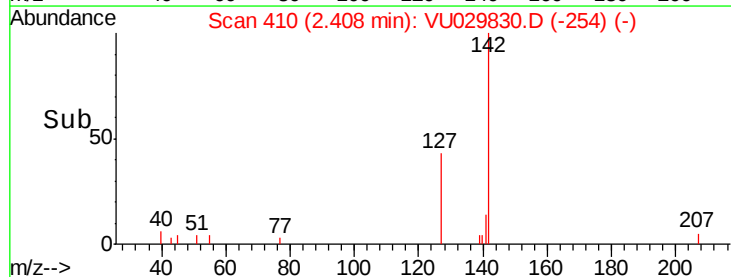
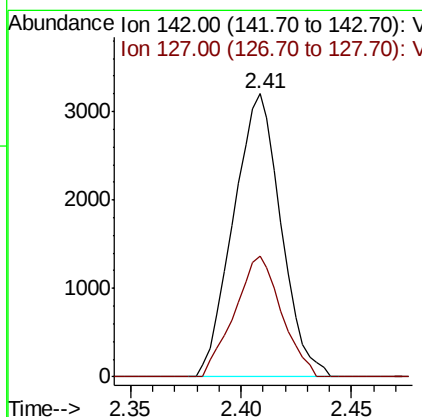
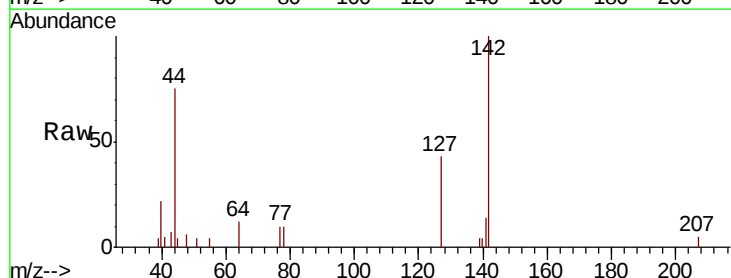
Manual Integrations
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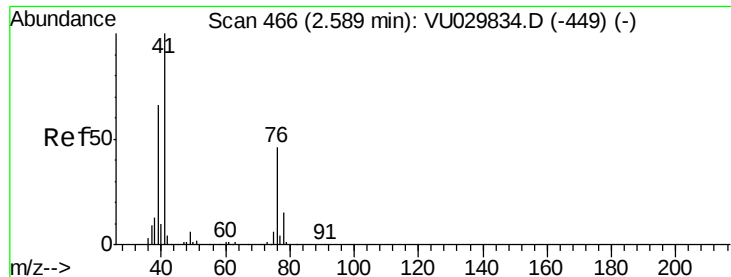
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#10
Iodomethane
Concen: 0.334 ug/l
RT: 2.41 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	4791		
127	42.0		32.3	48.5





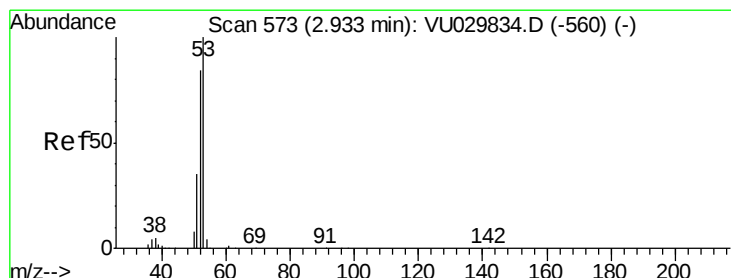
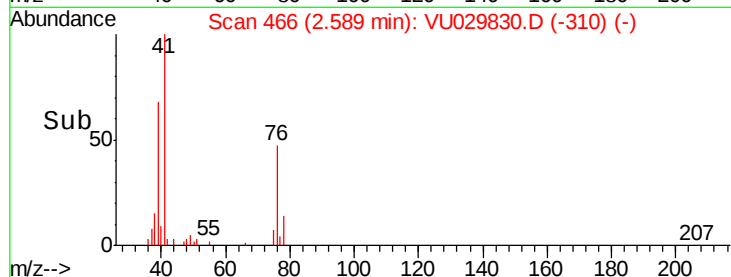
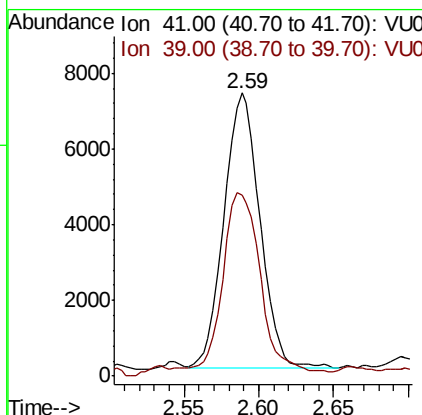
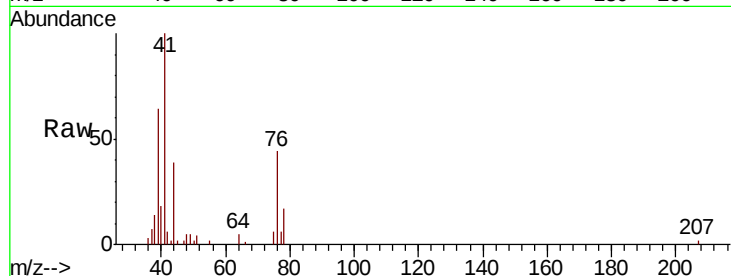
#11
 Allyl Chloride
 Concen: 0.525 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 12225
 Ion Ratio Lower Upper
 41 100
 39 68.6 51.6 77.4

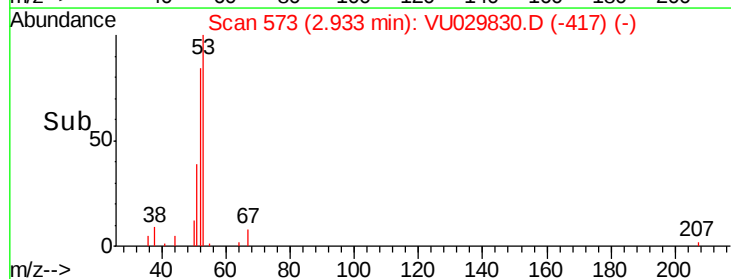
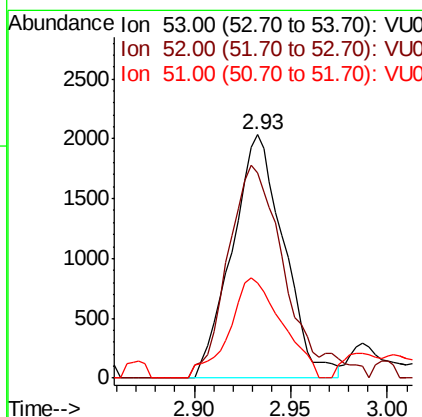
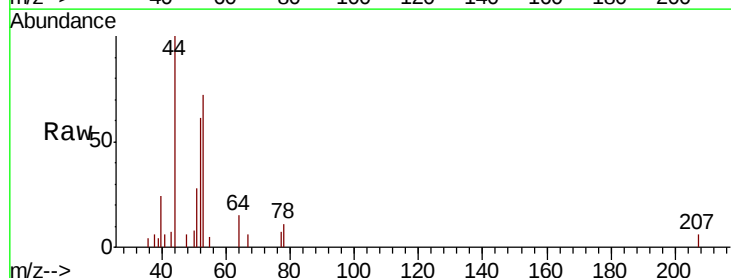
Manual Integrations
 APPROVED

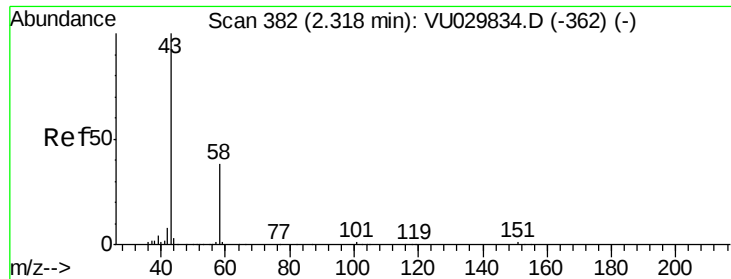
MMDadoda
 3/11/2019 4:49:41 PM



#12
 Acrylonitrile
 Concen: 1.046 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 53 Resp: 3780
 Ion Ratio Lower Upper
 53 100
 52 91.6 66.5 99.7
 51 41.9 28.6 42.8





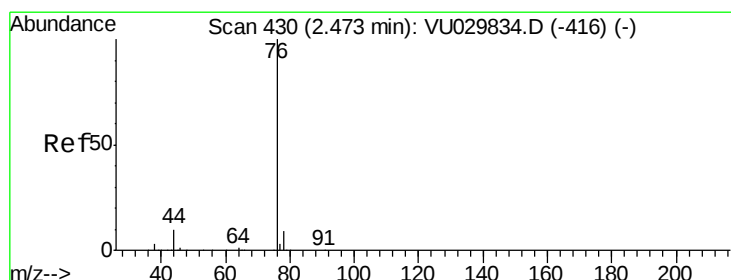
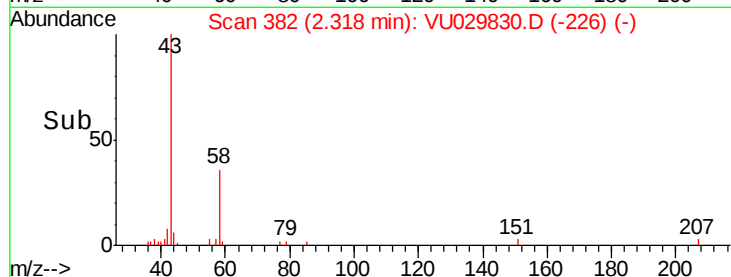
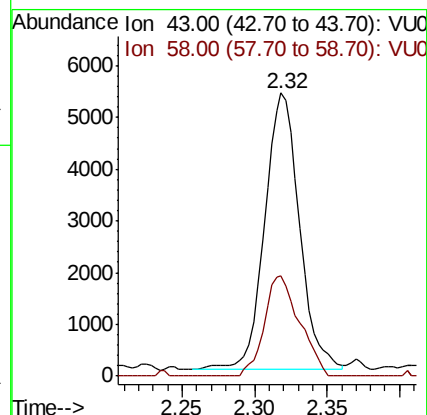
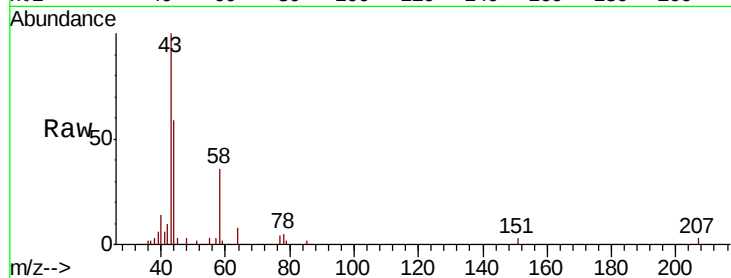
#13
Acetone
Concen: 2.976 ug/l
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 8904
Ion Ratio Lower Upper
43 100
58 36.4 30.2 45.2

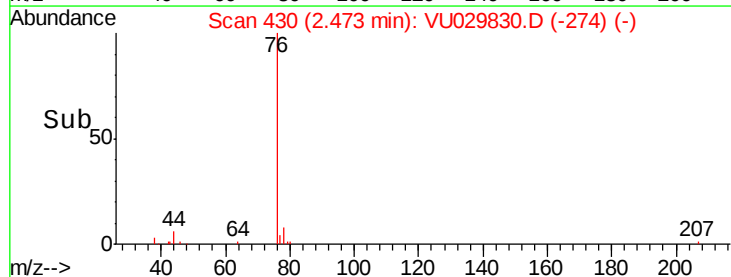
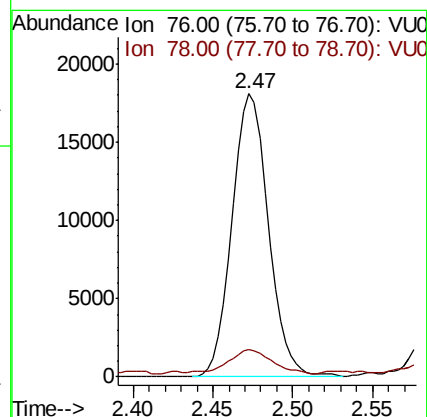
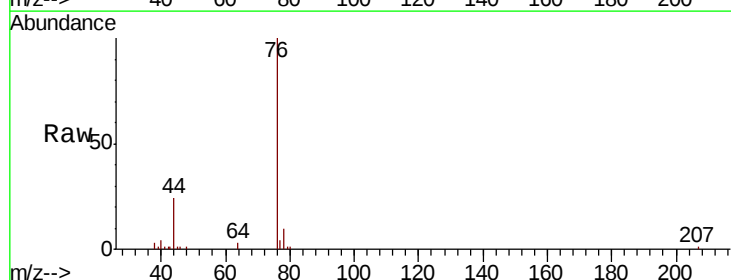
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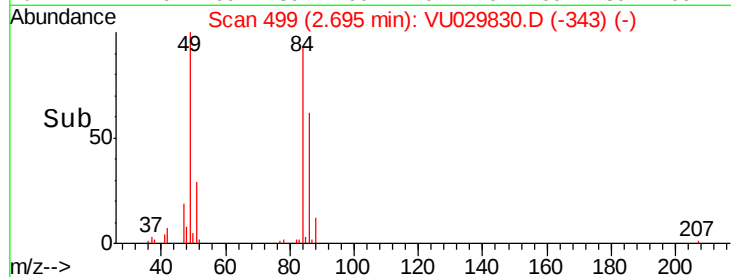
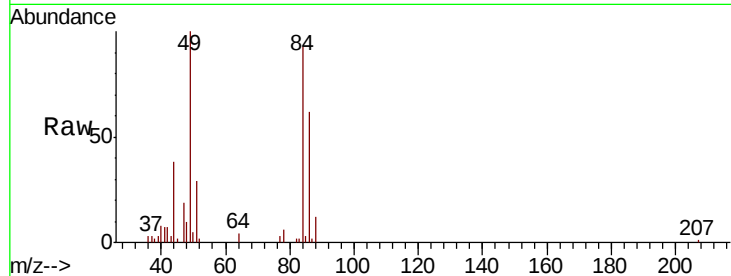
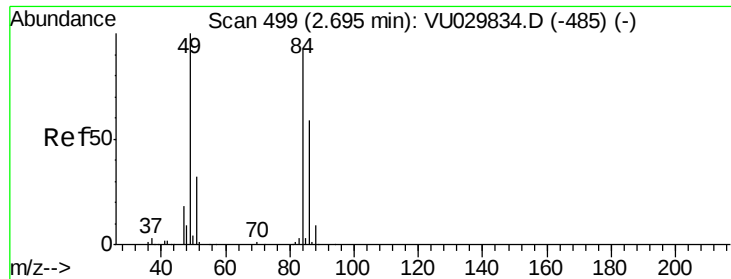
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3/11/2019 4:49:41 PM



#14
Carbon Disulfide
Concen: 0.524 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 76 Resp: 28096
Ion Ratio Lower Upper
76 100
78 7.9 7.2 10.8





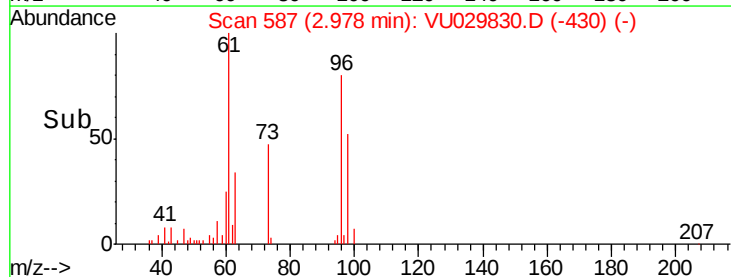
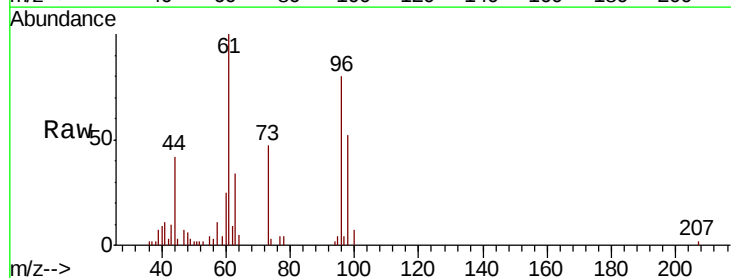
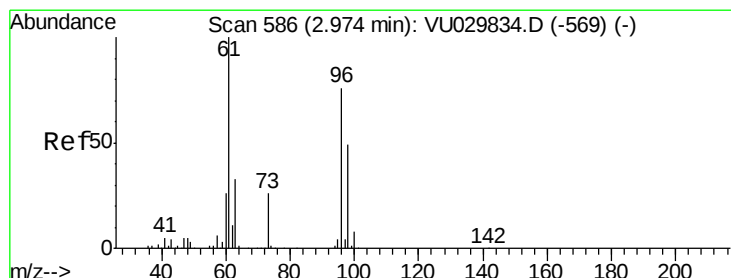
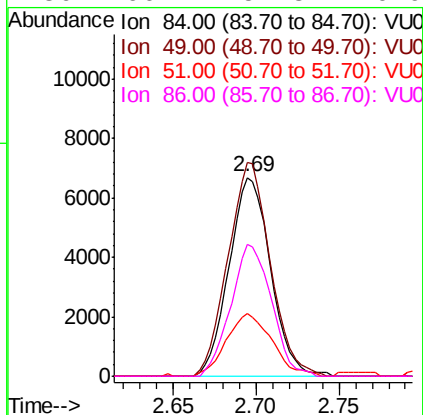
#15
Methylene Chloride
Concen: 0.586 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:	84	Resp:	11647
Ion	Ratio	Lower	Upper
84	100		
49	107.6	87.2	130.8
51	31.3	0.0	69.0
86	66.4	51.3	76.9

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

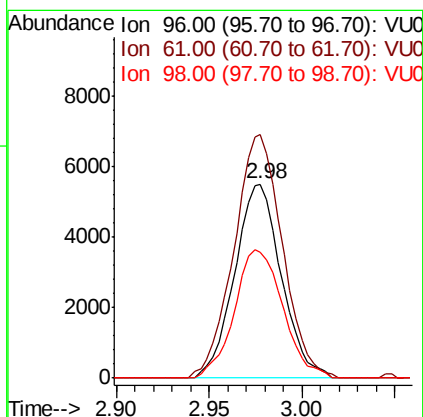
Manual Integrations
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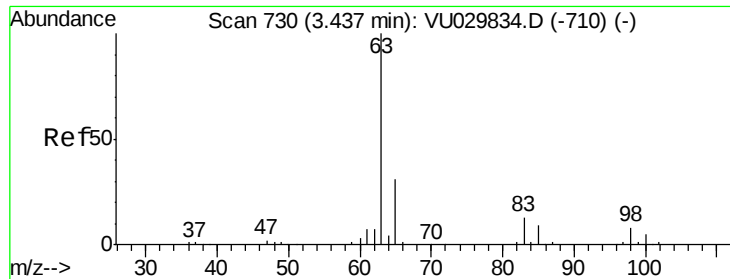
MMDadoda
3/11/2019 4:49:41 PM



#16
trans-1,2-Dichloroethene
Concen: 0.514 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:	96	Resp:	9622
Ion	Ratio	Lower	Upper
96	100		
61	125.4	104.7	157.1
98	65.1	50.9	76.3





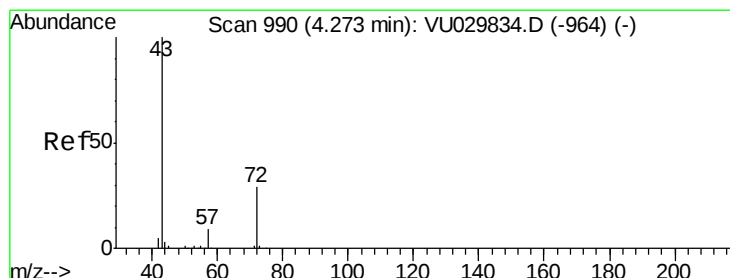
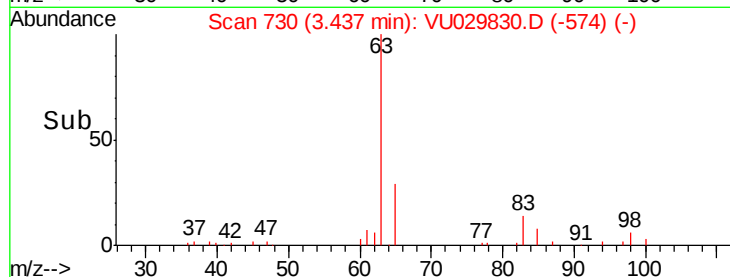
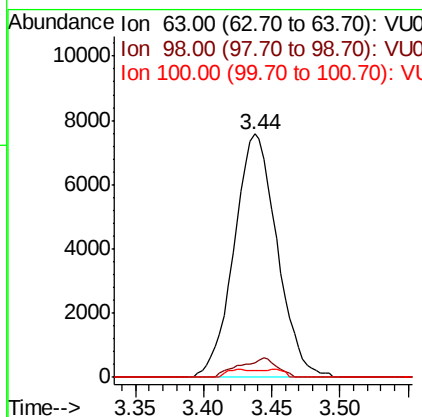
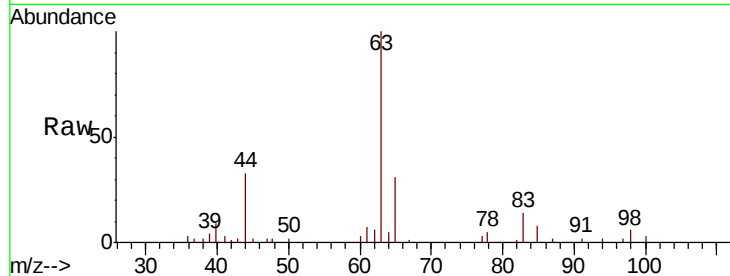
#17
 1,1-Dichloroethane
 Concen: 0.529 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	63	Resp:	16578
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.4
100	2.9	2.4	7.1

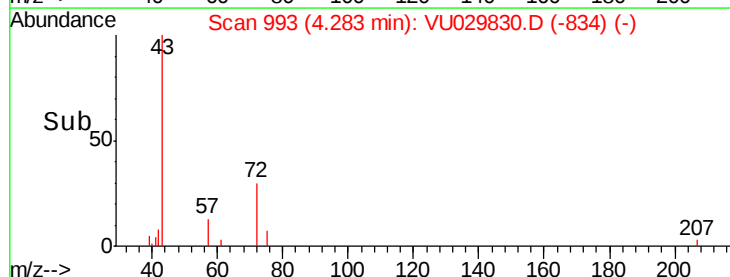
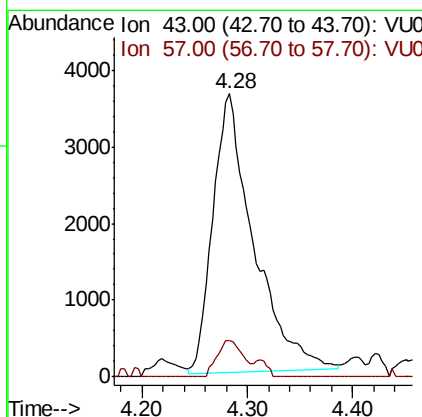
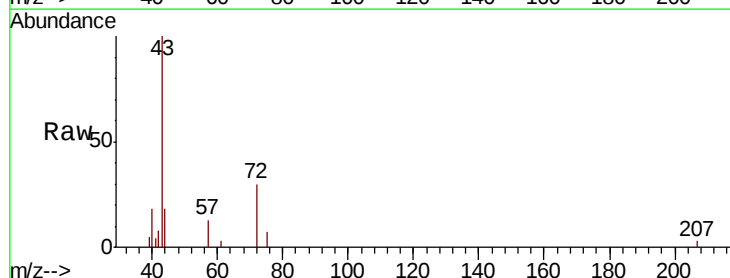
Manual Integrations
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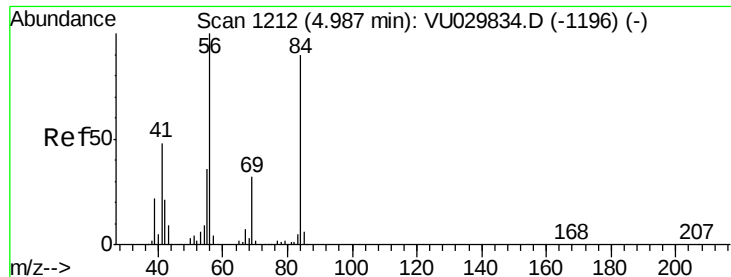
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#18
 2-Butanone
 Concen: 2.401 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion:	43	Resp:	9762
Ion	Ratio	Lower	Upper
43	100		
57	13.2	0.0	18.6





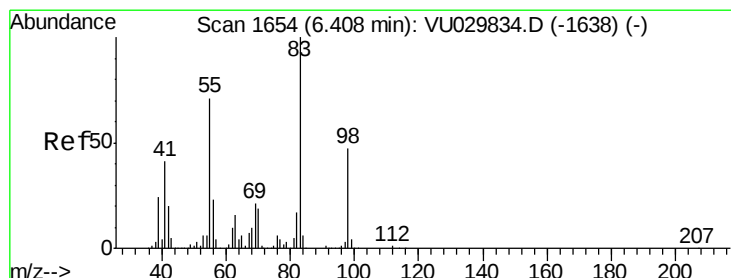
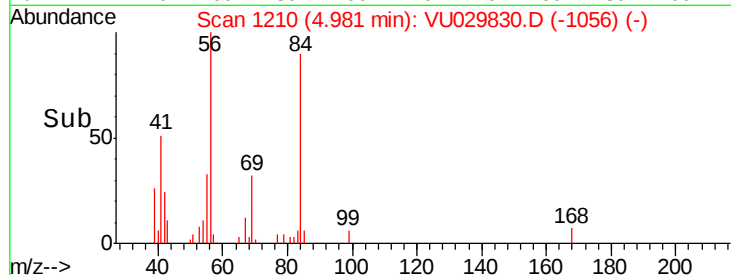
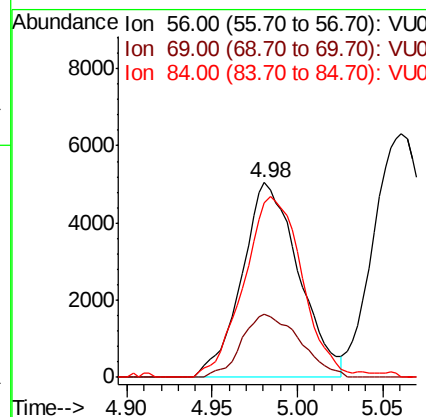
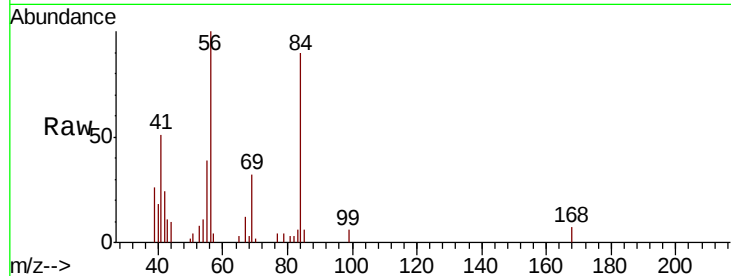
#19
Cyclohexane
Concen: 0.493 ug/l m
RT: 4.98 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.9	29.4	44.2
84	91.6	84.6	127.0

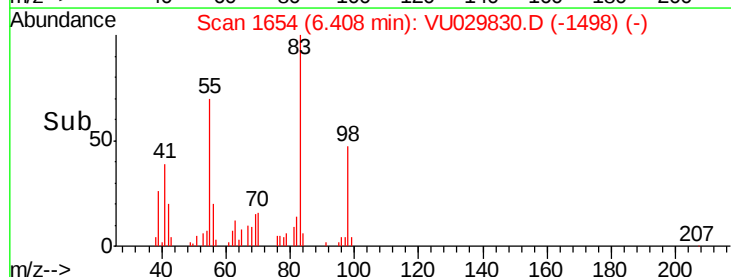
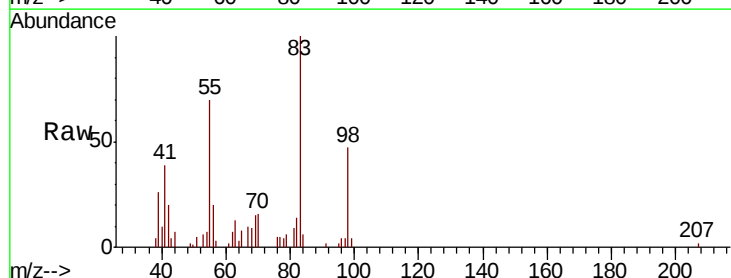
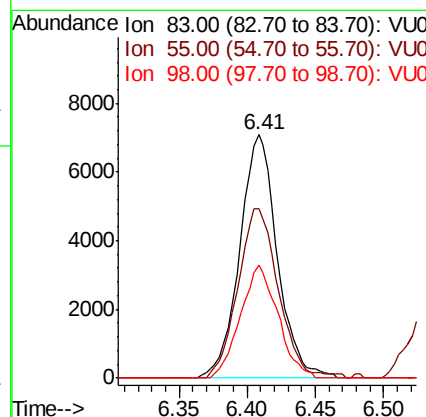
Manual Integrations
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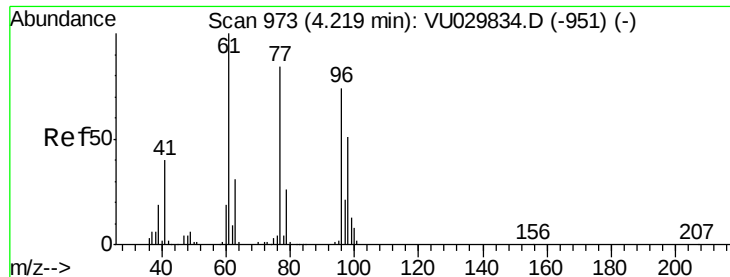
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#20
Methylcyclohexane
Concen: 0.478 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.2	55.9	83.9
98	46.2	37.0	55.4





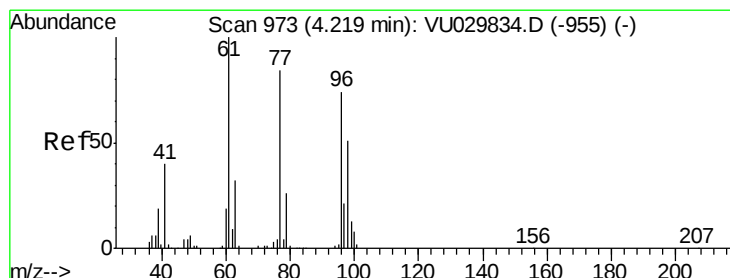
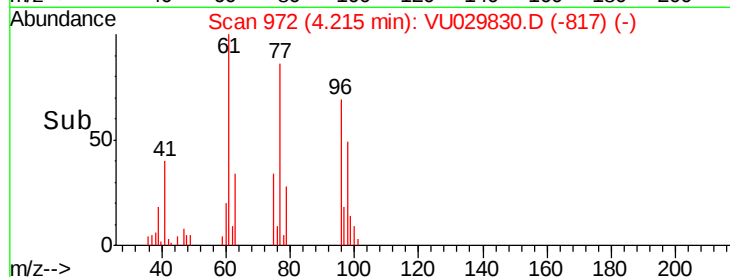
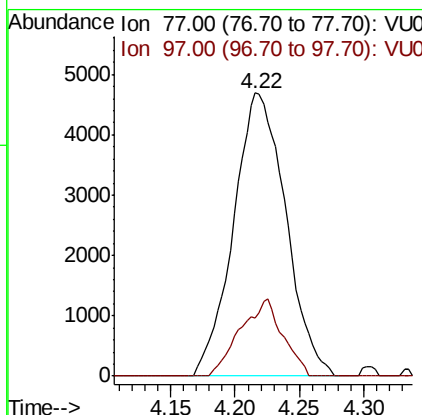
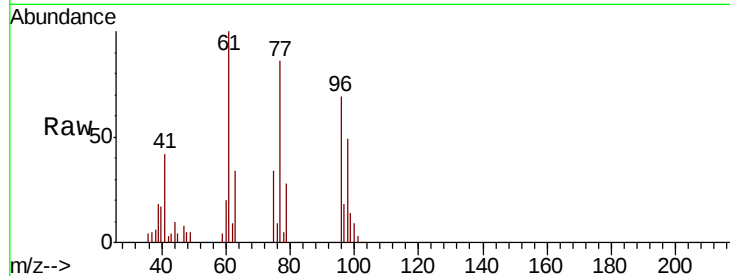
#21
 2,2-Dichloropropane
 Concen: 0.518 ug/l
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 77 Resp: 13248
 Ion Ratio Lower Upper
 77 100
 97 22.1 20.2 30.2

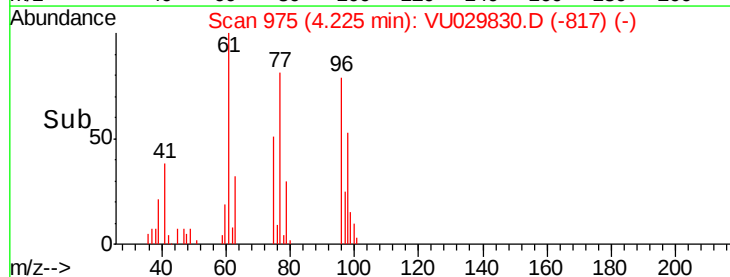
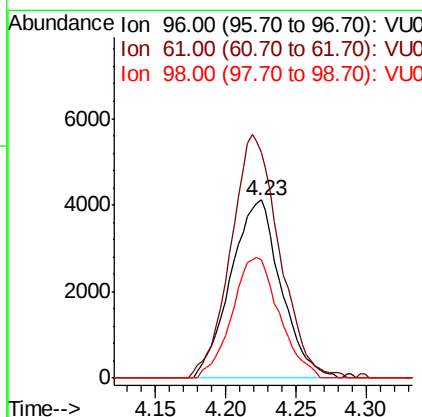
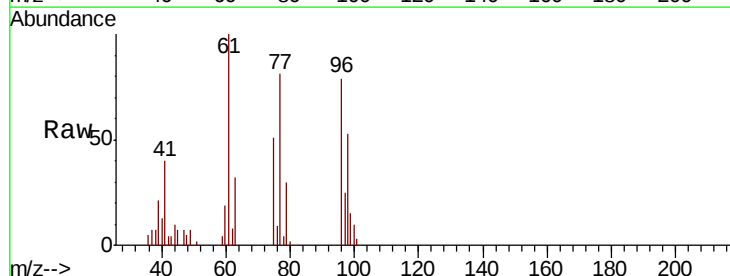
Manual Integrations
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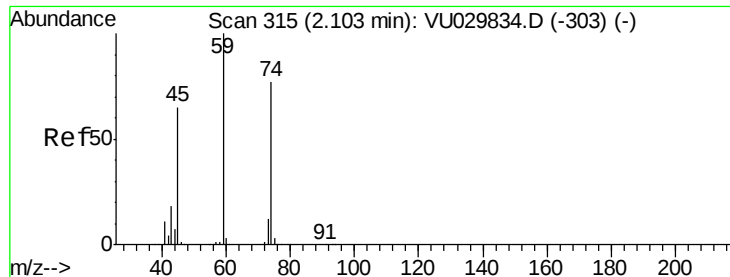
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 0.518 ug/l
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 96 Resp: 10277
 Ion Ratio Lower Upper
 96 100
 61 132.0 0.0 339.0
 98 63.1 33.1 99.5





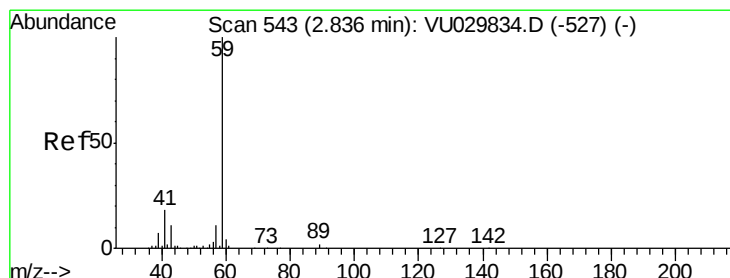
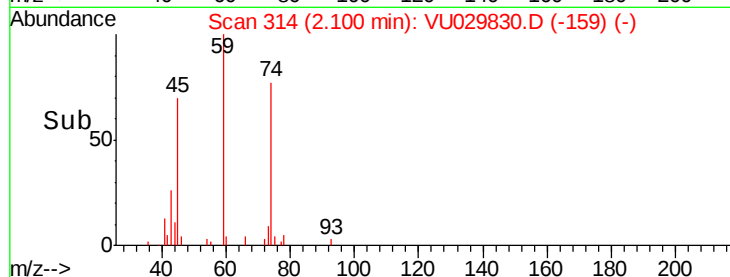
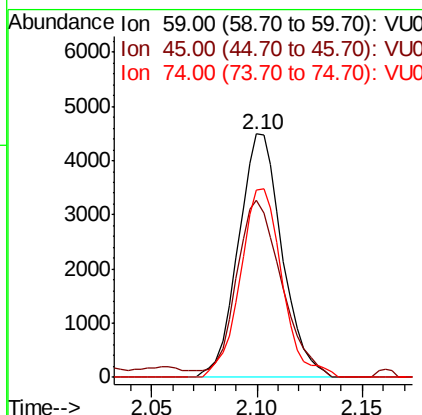
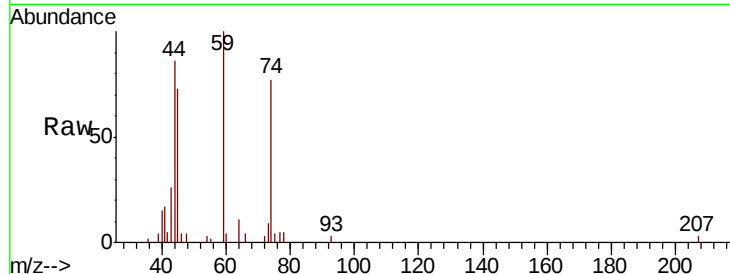
#23
Diethyl Ether
Concen: 0.519 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
59	100		
45	75.7	52.7	79.1
74	74.5	61.8	92.6

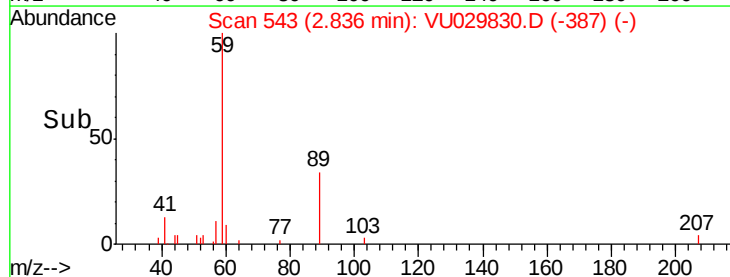
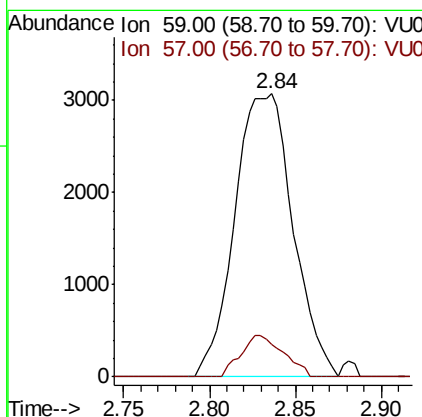
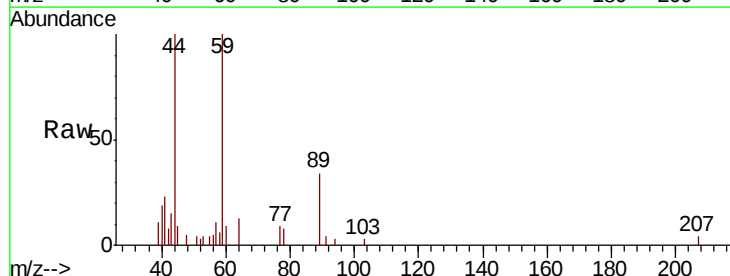
Manual Integrations
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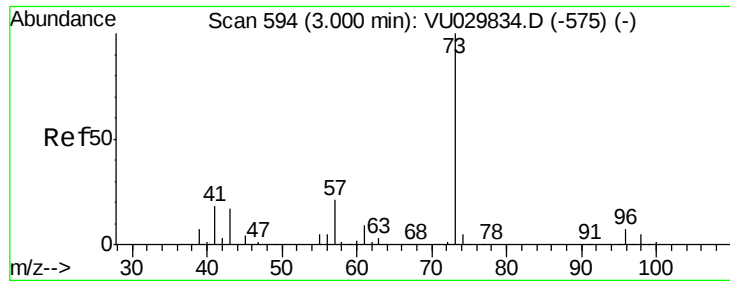
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3/11/2019 4:49:41 PM



#24
tert-Butyl Alcohol
Concen: 5.637 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7





#25

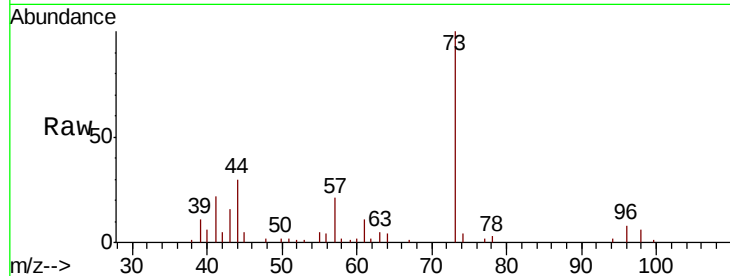
Methyl tert-Butyl Ether
Concen: 0.511 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

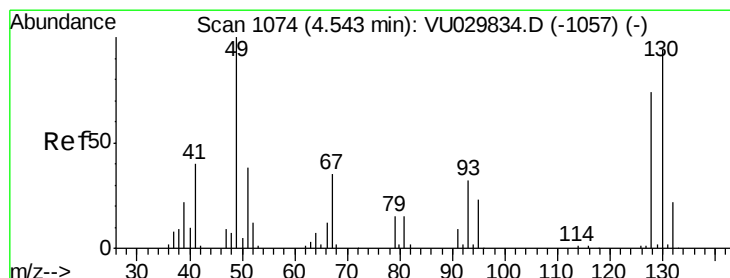
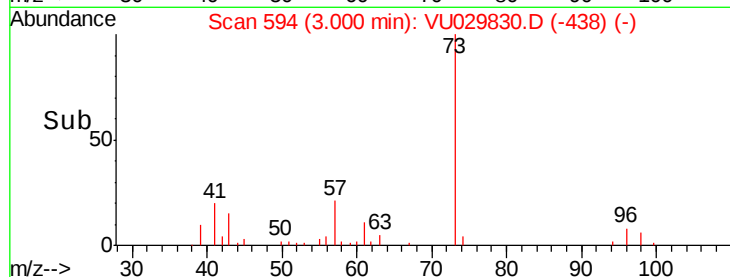
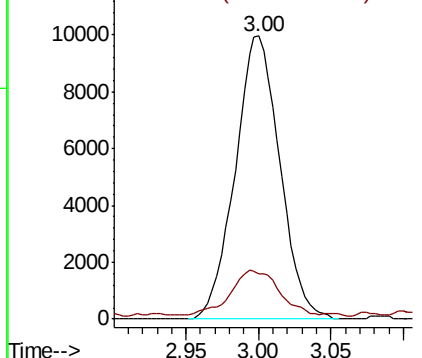
Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.2	13.1	19.7

Manual Integrations
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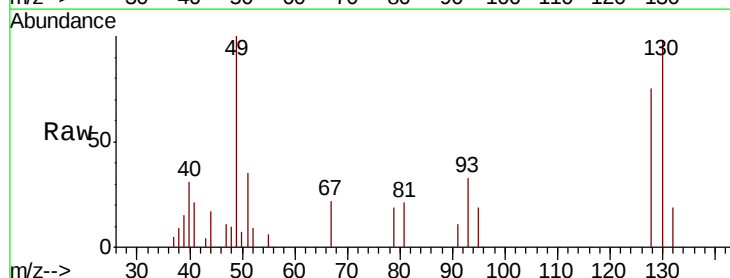
Abundance Ion 73.00 (72.70 to 73.70): VU029830.D (-438) (-)



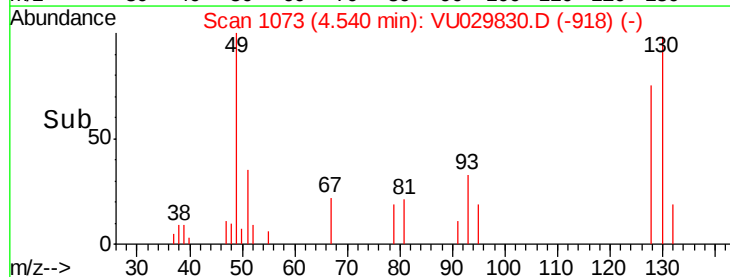
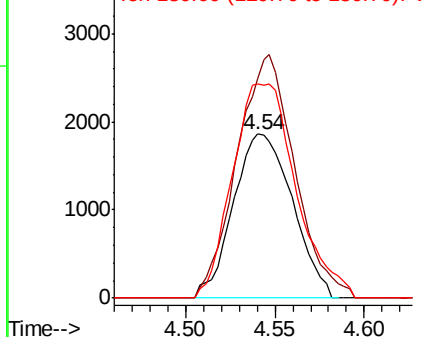
#26

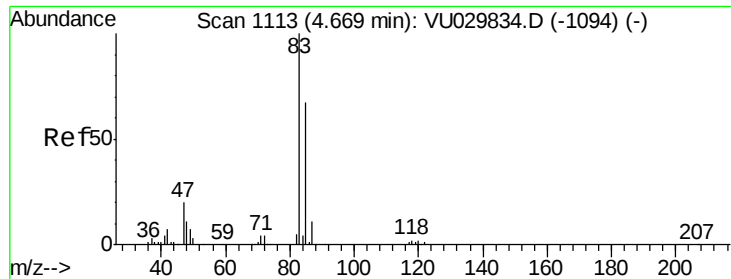
Bromochloromethane
Concen: 0.489 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	144.9	0.0	270.6
130	140.1	104.2	156.4



Abundance Ion 128.00 (127.70 to 128.70): VU029830.D (-918) (-)





#27

Chloroform

Concen: 0.515 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 16343

Ion Ratio Lower Upper

83 100

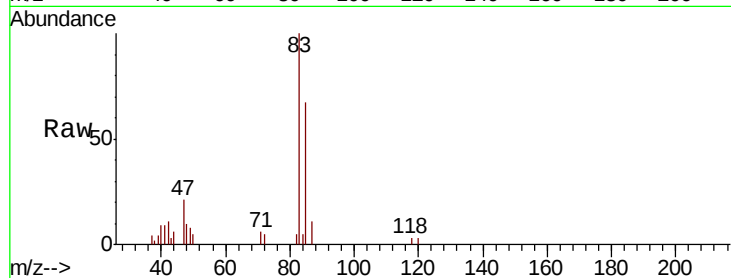
85 67.1 0.0 133.2

Manual Integrations

APPROVED

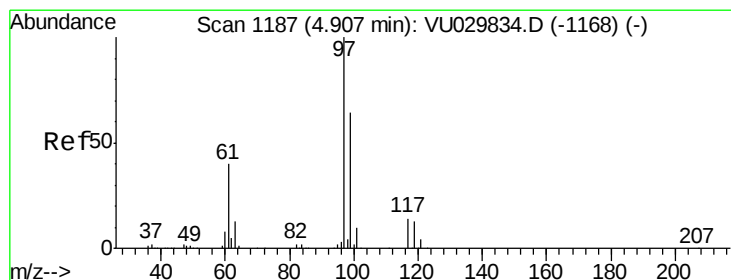
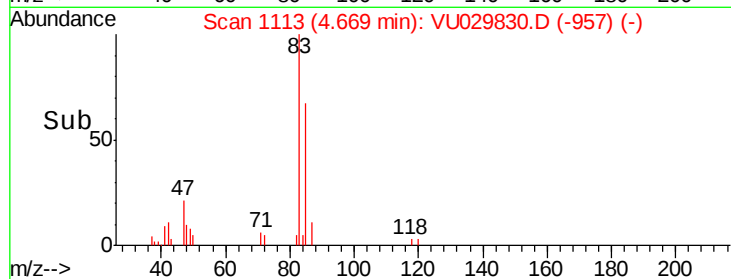
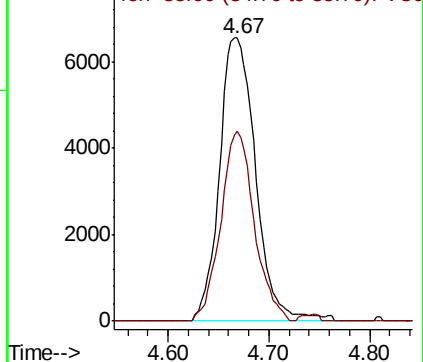
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 0.489 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

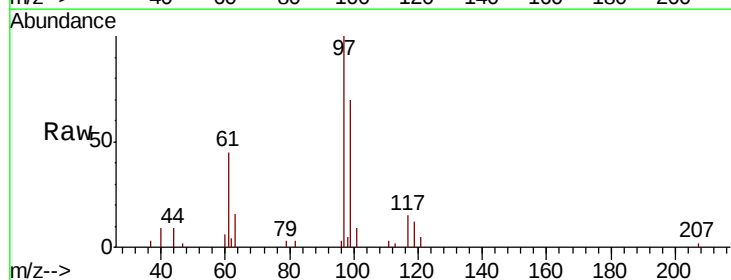
Tgt Ion: 97 Resp: 13145

Ion Ratio Lower Upper

97 100

99 66.2 31.9 95.9

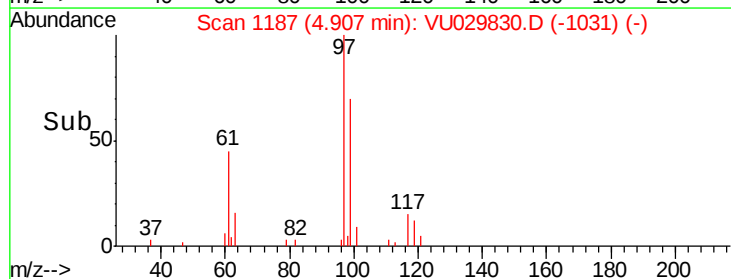
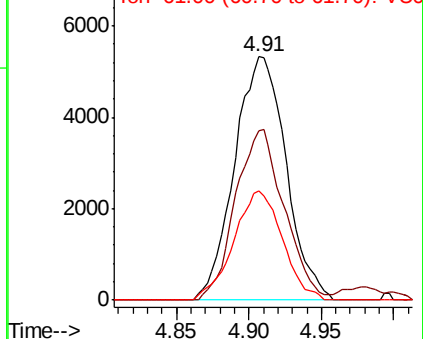
61 42.3 20.4 61.3

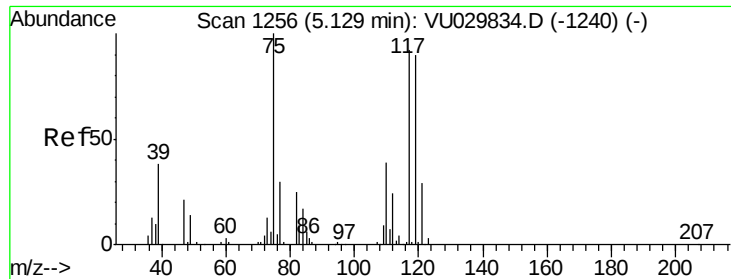


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





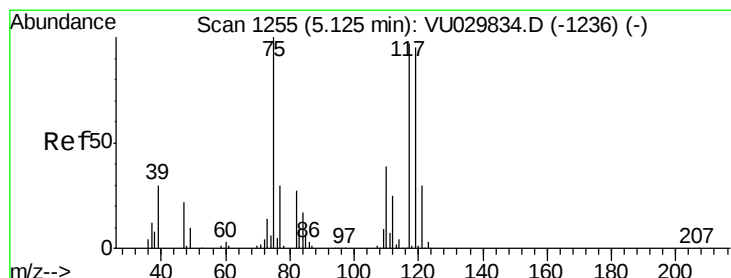
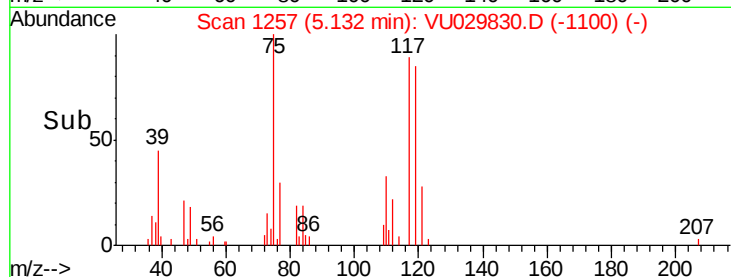
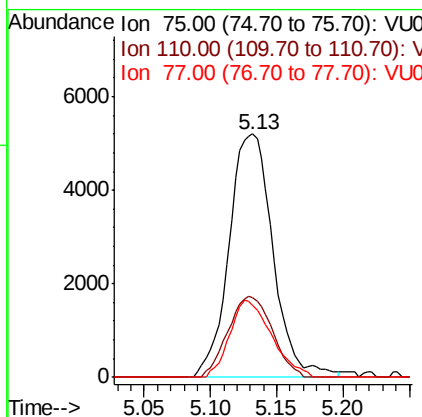
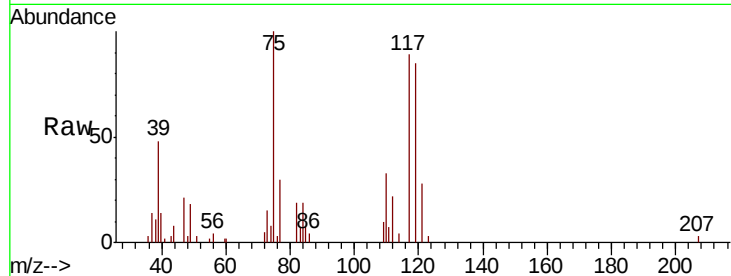
#29
 1,1-Dichloropropene
 Concen: 0.501 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.3	19.1	57.5
77	30.1	23.9	35.9

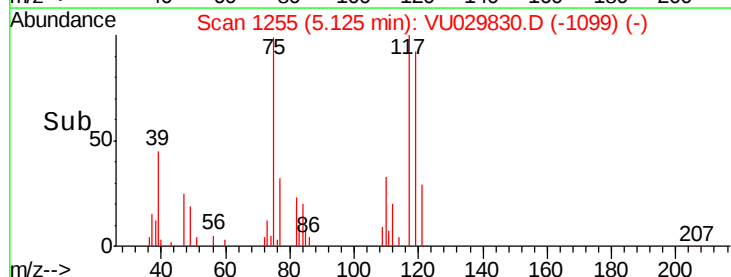
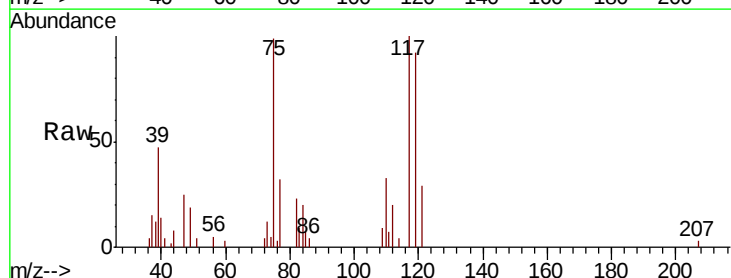
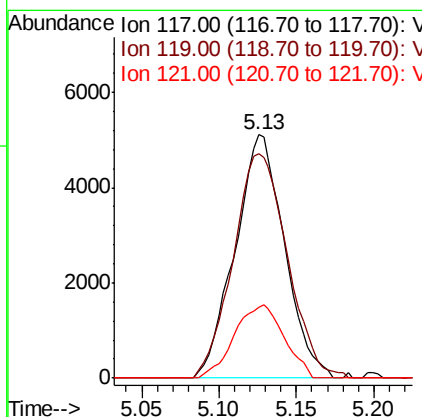
Manual Integrations
 APPROVED

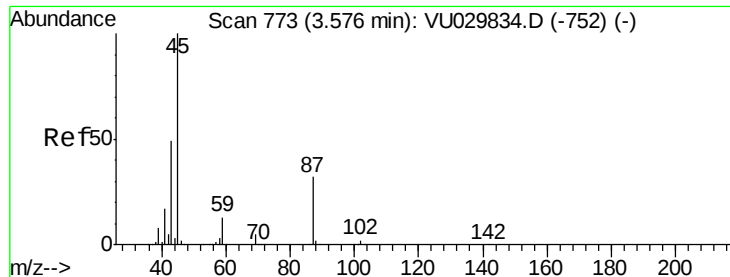
MMDadoda
 3/11/2019 4:49:41 PM



#30
 Carbon Tetrachloride
 Concen: 0.485 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.4	117.6
121	29.3	25.0	37.4





#31

Isopropyl Ether

Concen: 0.514 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 22197

Ion Ratio Lower Upper

45 100

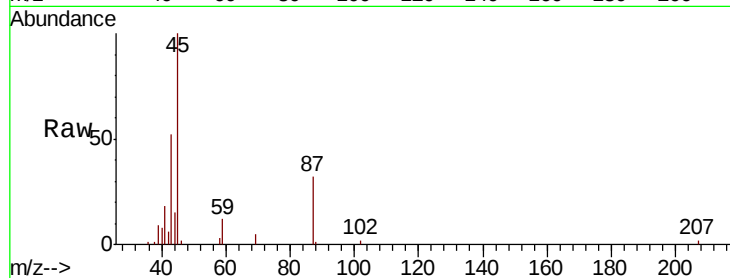
43 50.7 24.3 72.9

Manual Integrations

APPROVED

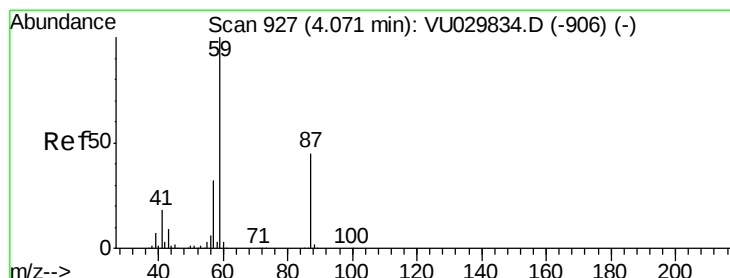
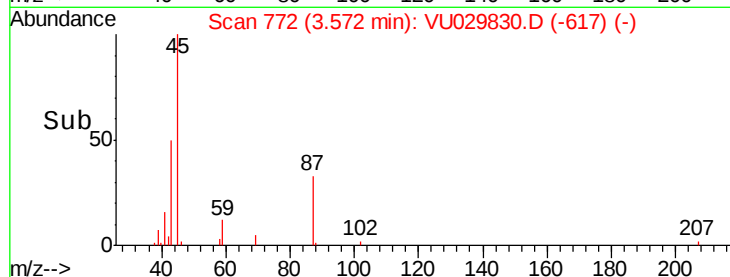
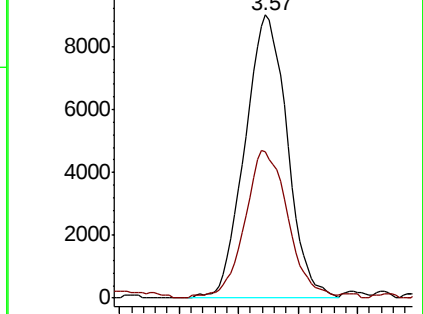
MMDadoda

3/11/2019 4:49:41 PM



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 0.496 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU029830.D

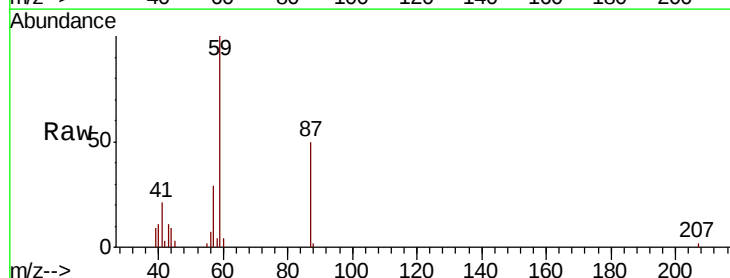
Acq: 06 Mar 2019 09:26

Tgt Ion: 59 Resp: 20812

Ion Ratio Lower Upper

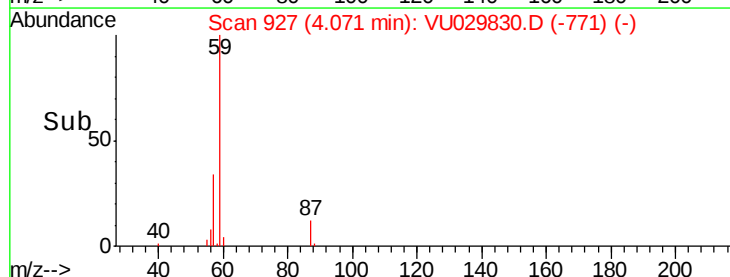
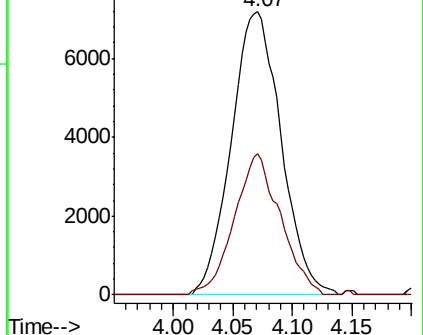
59 100

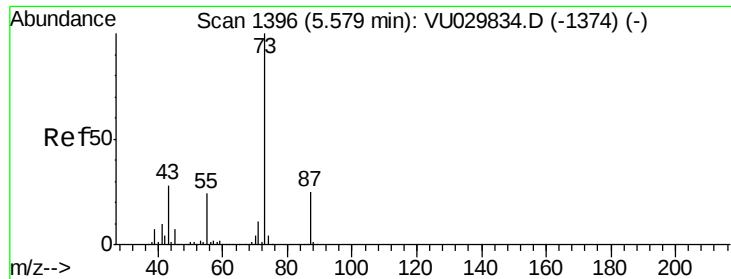
87 46.1 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)





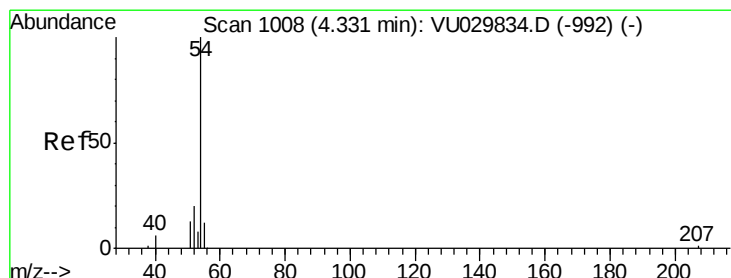
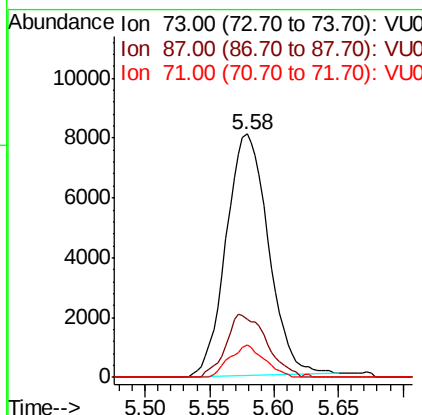
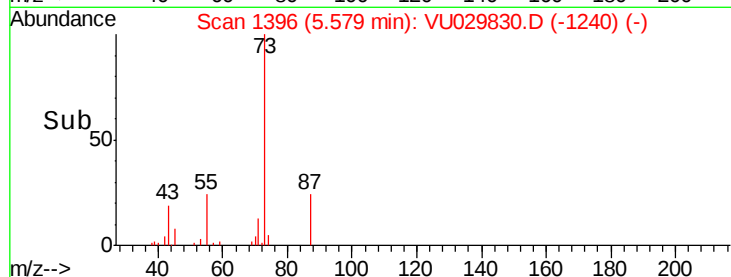
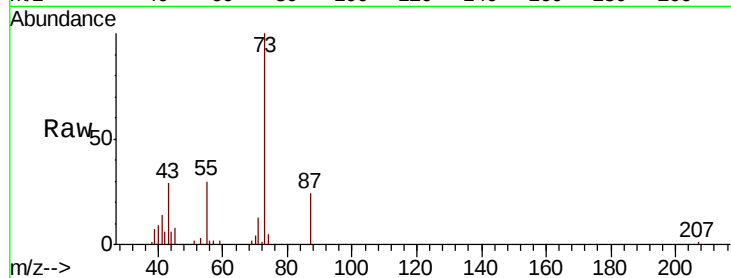
#33
Tert-Amyl methyl ether
Concen: 0.474 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.8	19.7	29.5
71	11.0	9.4	14.2

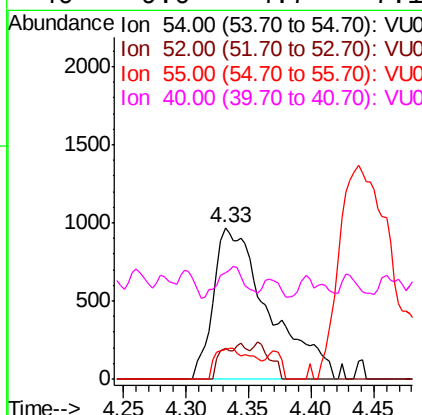
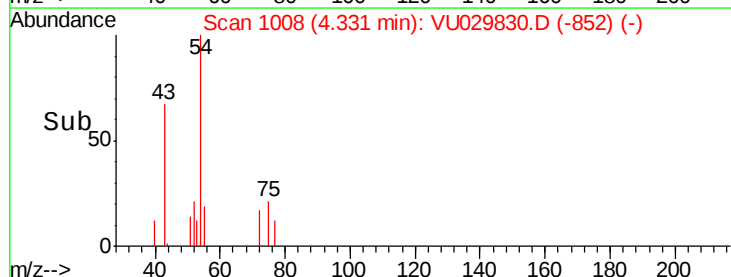
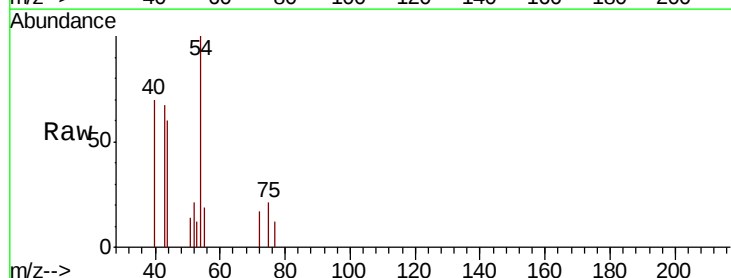
Manual Integrations
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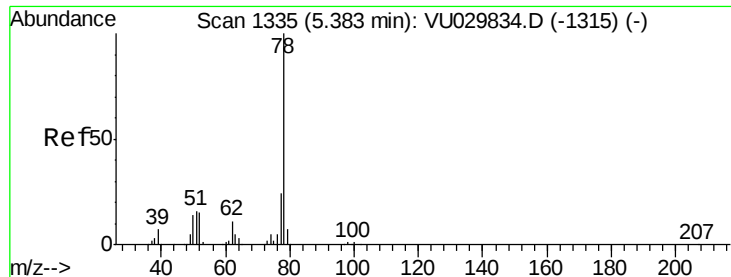
MMDadoda
3/11/2019 4:49:41 PM



#34
Propionitrile
Concen: 2.446 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
54	100		
52	4.6	16.1	24.1#
55	13.5	11.2	16.8
40	9.0	4.7	7.1#





#35

Benzene

Concen: 0.496 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 78 Resp: 34893

Ion Ratio Lower Upper

78 100

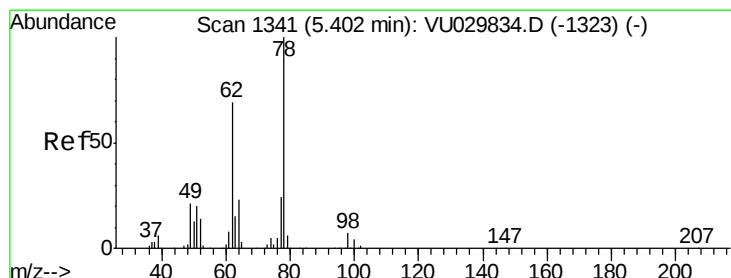
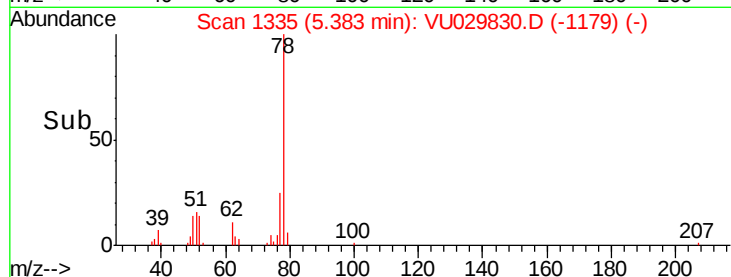
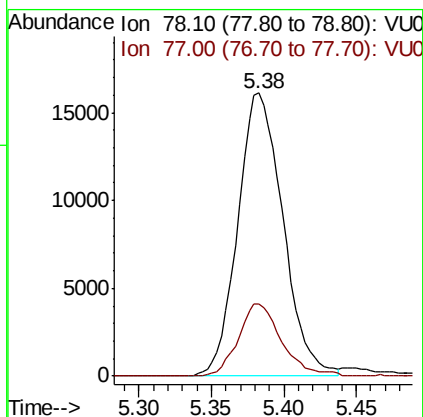
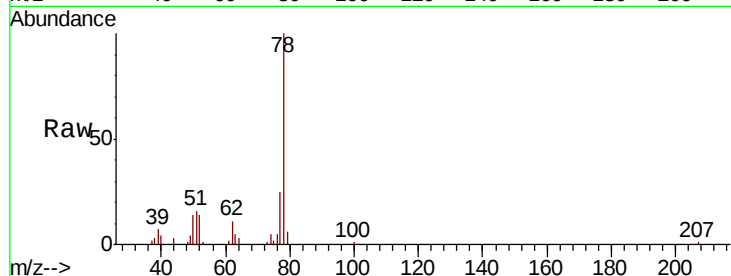
77 25.4 19.2 28.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 0.515 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029830.D

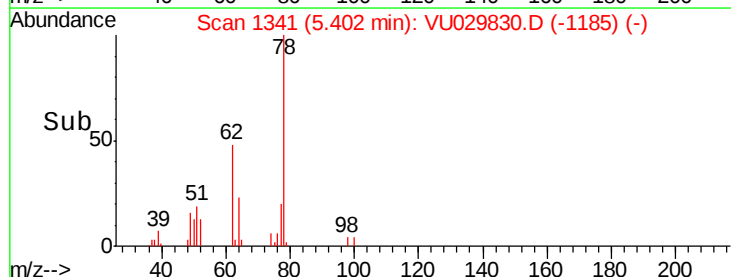
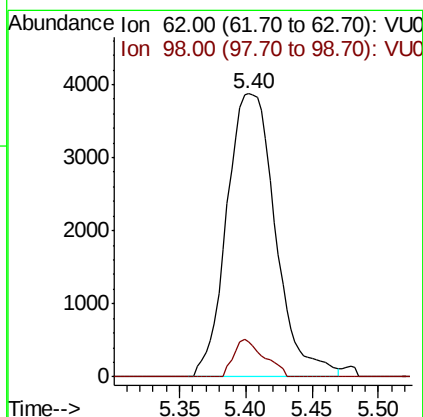
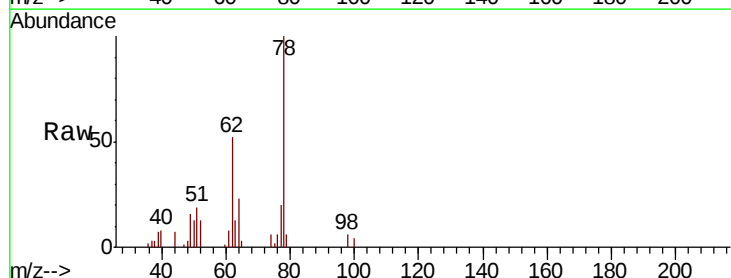
Acq: 06 Mar 2019 09:26

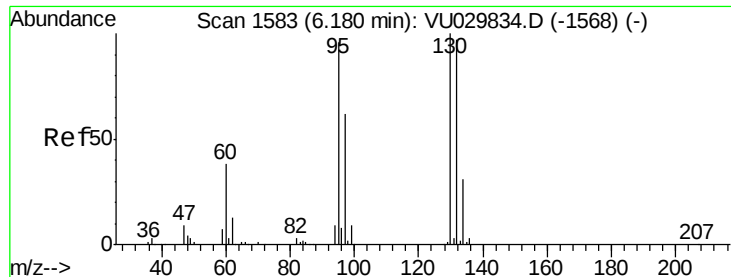
Tgt Ion: 62 Resp: 9896

Ion Ratio Lower Upper

62 100

98 8.2 8.2 12.2





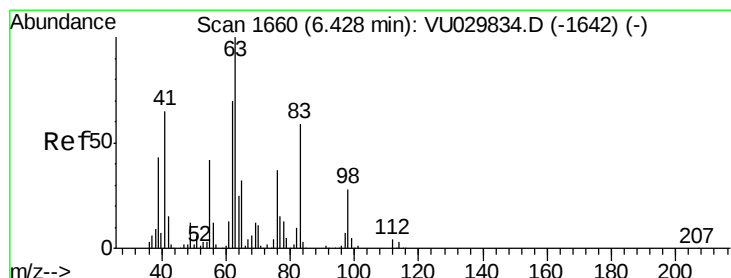
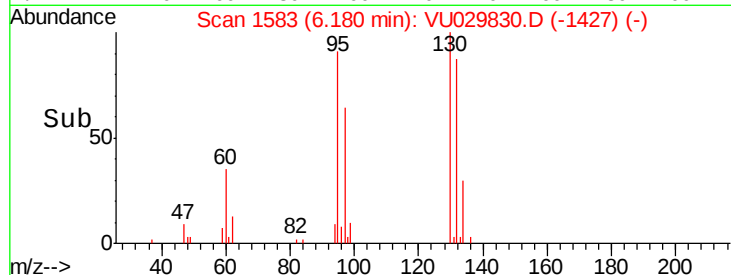
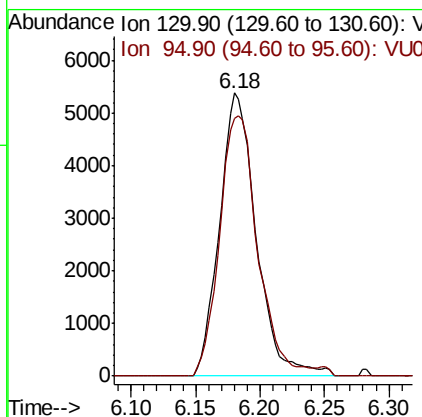
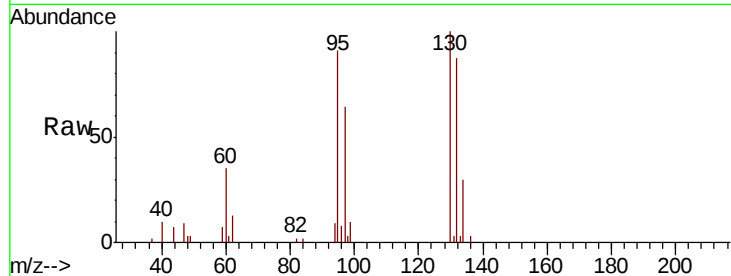
#37
 Trichloroethene
 Concen: 0.518 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 130 Resp: 10638
 Ion Ratio Lower Upper
 130 100
 95 91.2 76.6 114.8

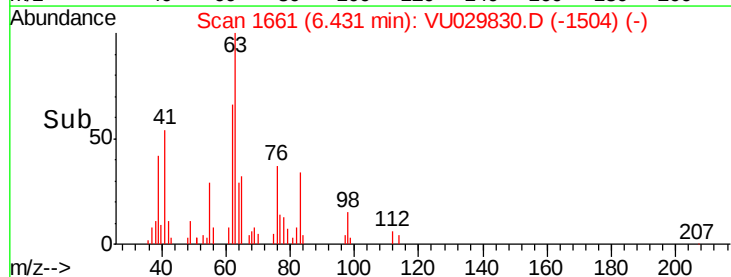
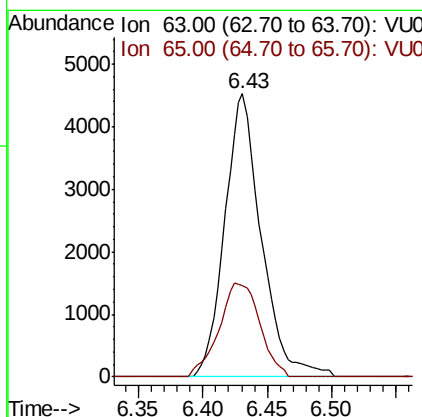
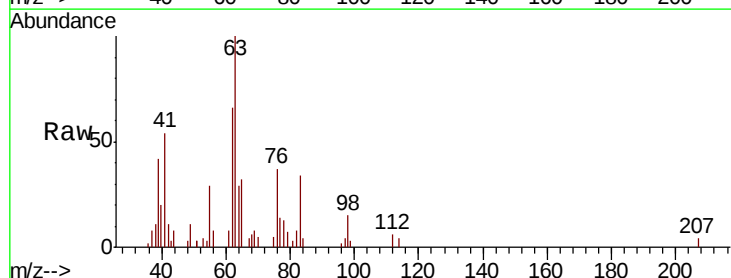
Manual Integrations
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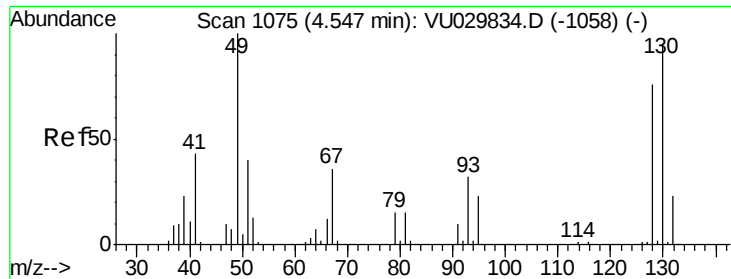
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 3/11/2019 4:49:41 PM



#38
 1,2-Dichloropropane
 Concen: 0.500 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 63 Resp: 8917
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.4 38.2





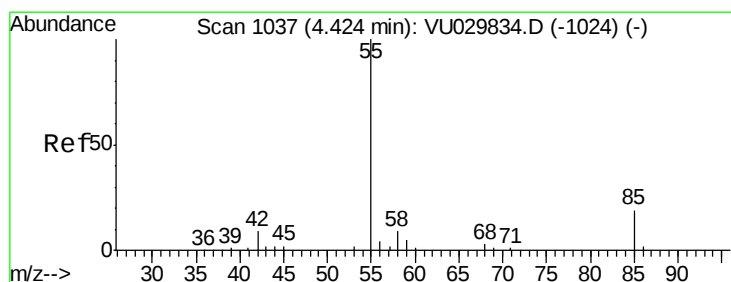
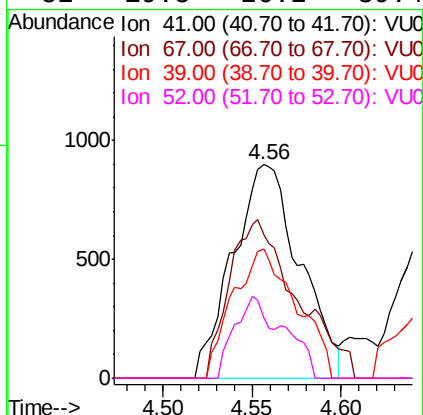
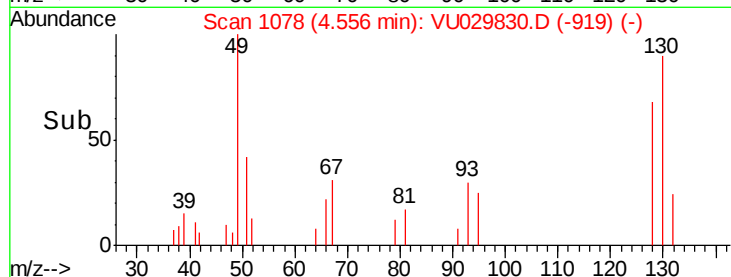
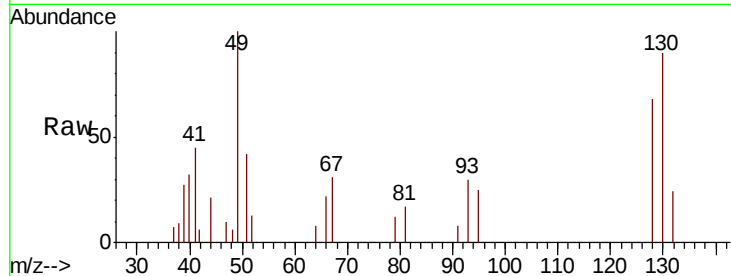
#39
Methacrylonitrile
Concen: 0.463 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tgt Ion: 41 Resp: 2356
Ion Ratio Lower Upper
41 100
67 74.5 68.4 102.6
39 57.2 42.6 63.8
52 19.5 26.2 39.4#

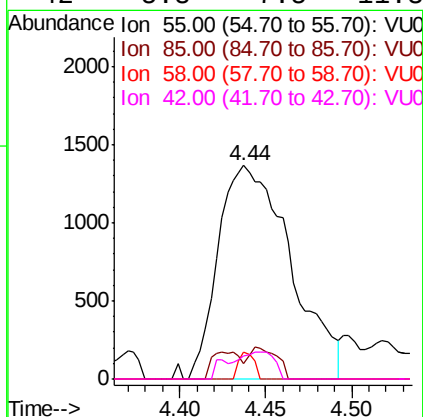
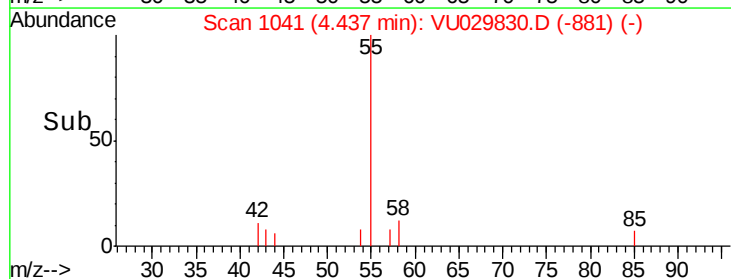
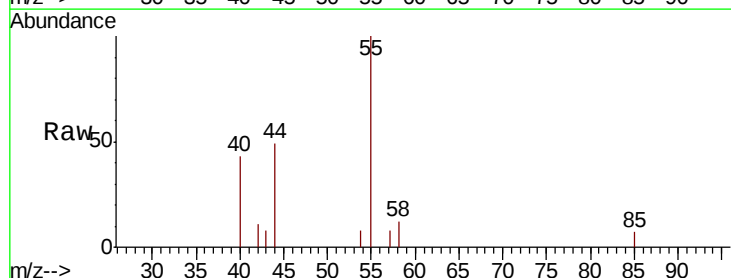
Manual Integrations
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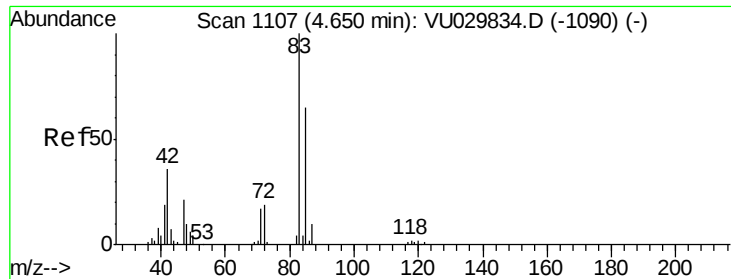
MMDadoda
3/11/2019 4:49:41 PM



#40
Methyl acrylate
Concen: 0.498 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 55 Resp: 4007
Ion Ratio Lower Upper
55 100
85 0.0 15.2 22.8#
58 2.7 7.6 11.4#
42 5.8 7.5 11.3#





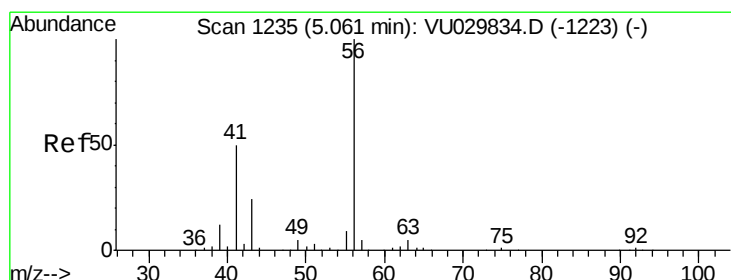
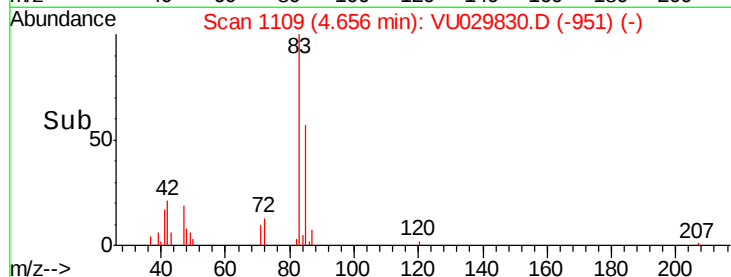
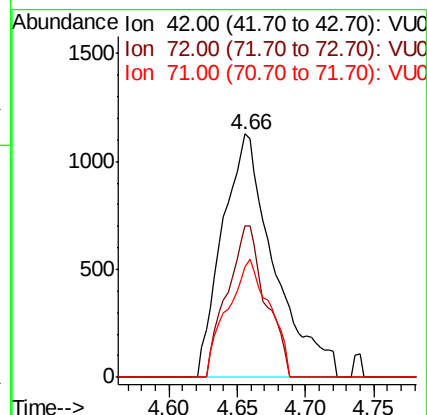
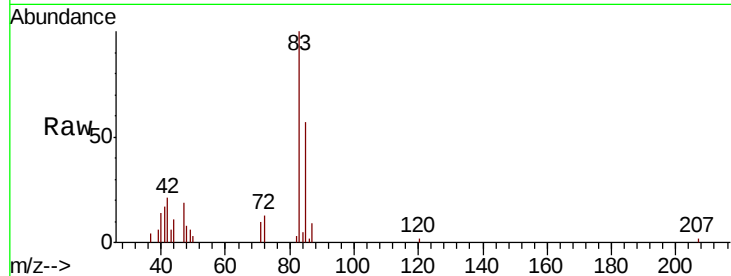
#41
Tetrahydrofuran
Concen: 1.114 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.3	43.6	65.4
71	39.3	37.5	56.3

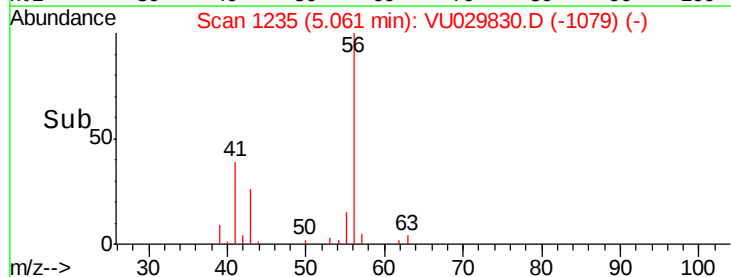
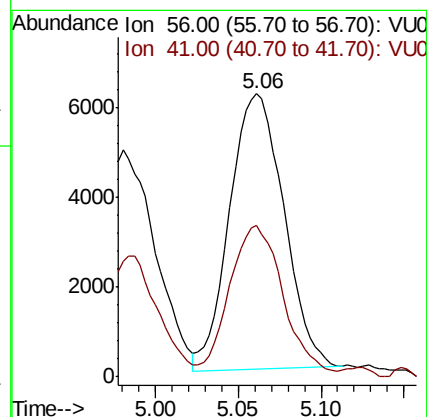
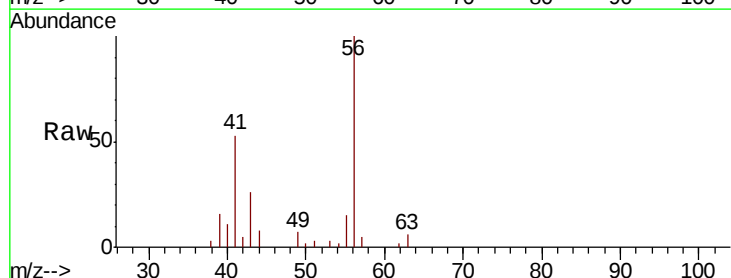
Manual Integrations
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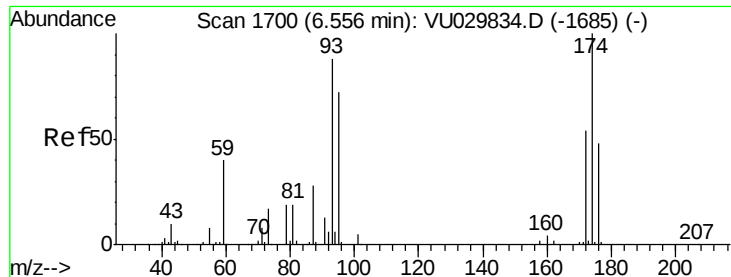
MMDadoda
3/11/2019 4:49:41 PM



#42
1-Chlorobutane
Concen: 0.457 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
56	100		
41	54.9	25.0	75.0





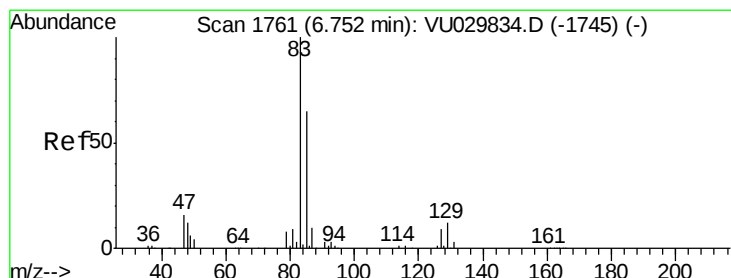
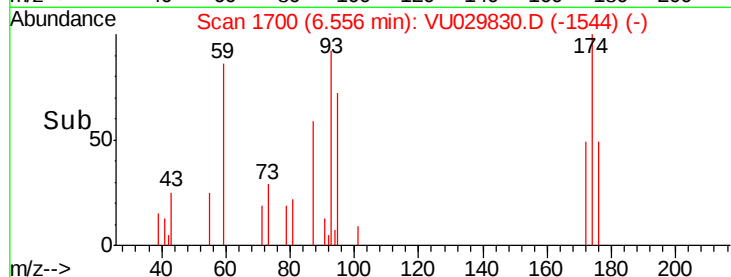
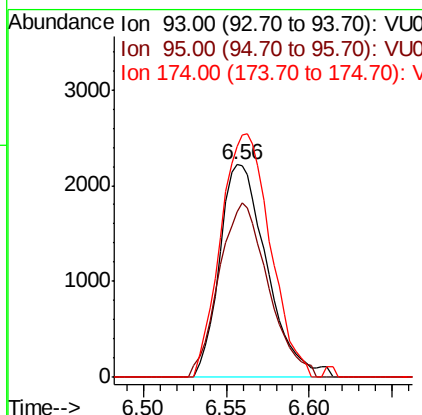
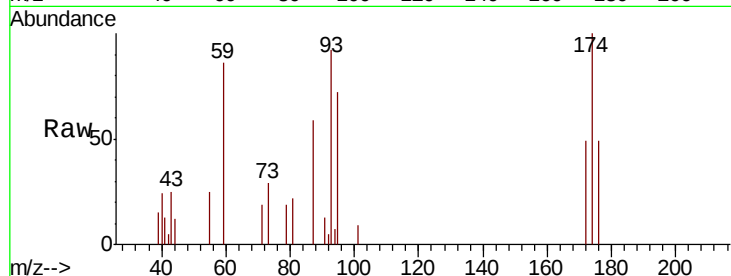
#43
Dibromomethane
Concen: 0.475 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 93 Resp: 4383
Ion Ratio Lower Upper
93 100
95 85.4 67.0 100.6
174 120.1 91.4 137.2

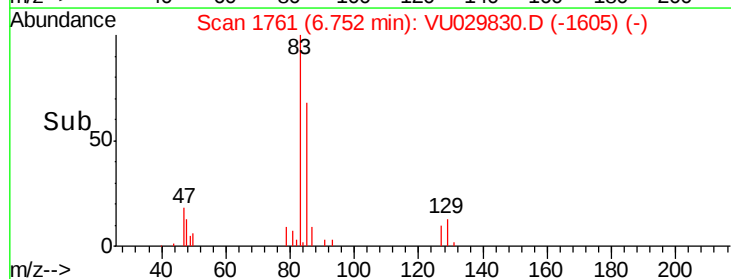
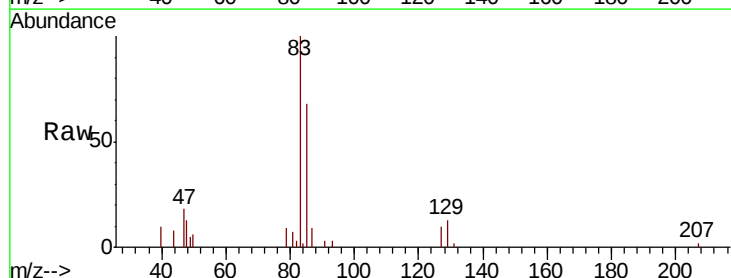
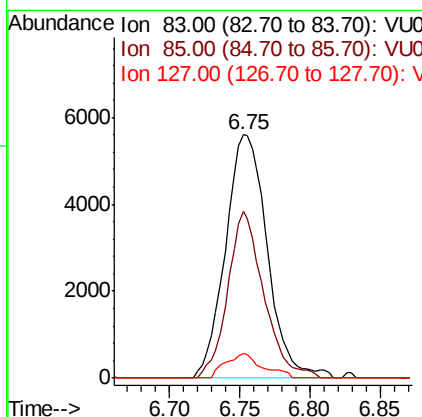
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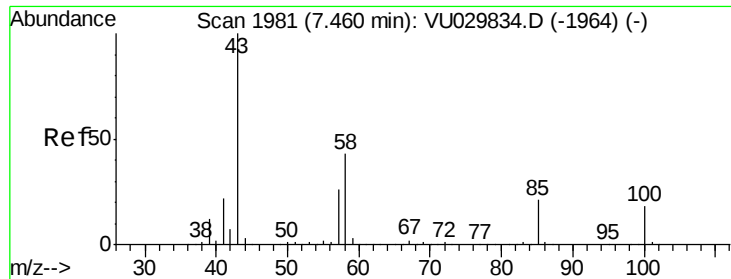
MMDadoda
3/11/2019 4:49:41 PM



#44
Bromodichloromethane
Concen: 0.512 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 83 Resp: 11606
Ion Ratio Lower Upper
83 100
85 68.3 51.7 77.5
127 10.1 7.4 11.2





#45

4-Methyl-2-Pentanone

Concen: 2.350 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

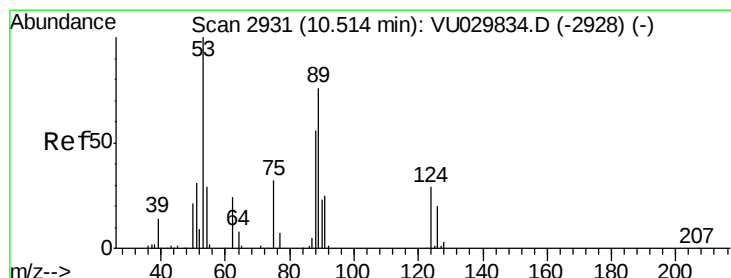
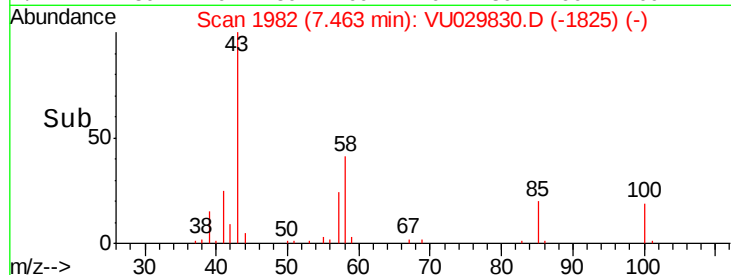
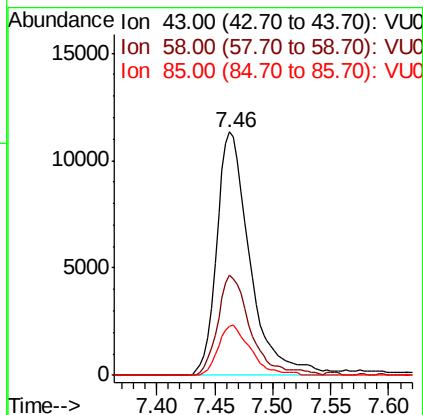
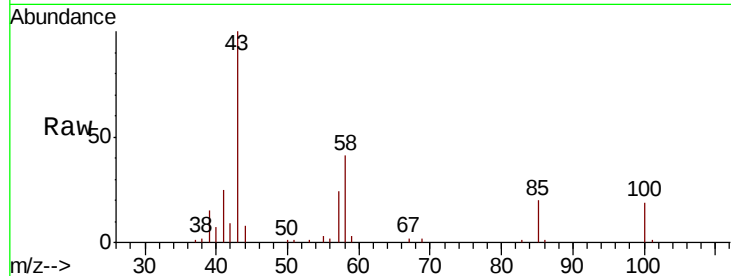
ClientSampleId :

VSTDIC0.5

Tgt Ion:	43	Resp:	22634
Ion	Ratio	Lower	Upper
43	100		
58	39.3	21.6	65.0
85	20.1	16.5	24.7

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#46

t-1,4-Dichloro-2-butene

Concen: 0.880 ug/l m

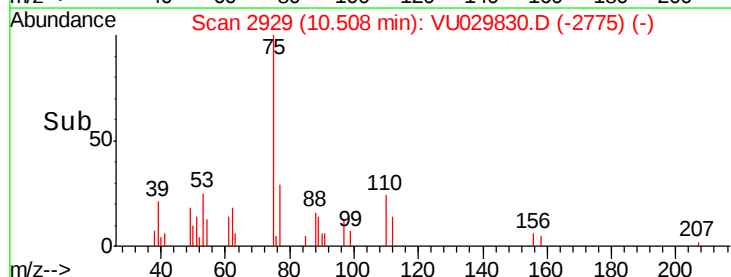
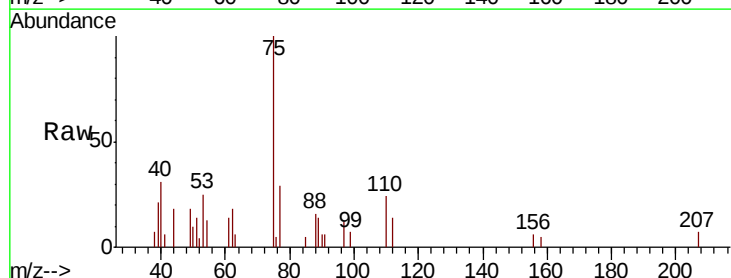
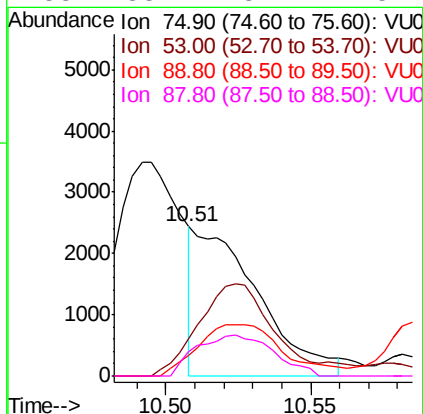
RT: 10.51 min Scan# 2929

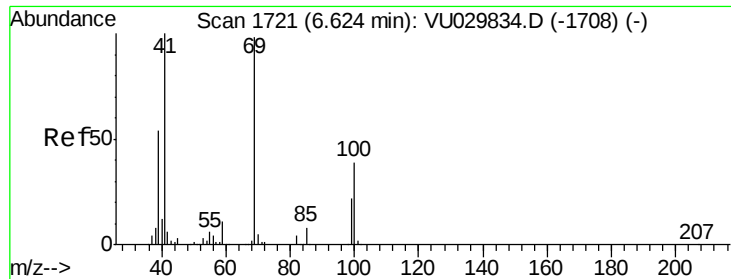
Delta R.T. -0.01 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Tgt Ion:	75	Resp:	3691
Ion	Ratio	Lower	Upper
75	100		
53	77.1	59.2	88.8
89	46.9	44.9	67.3
88	33.4	32.2	48.2





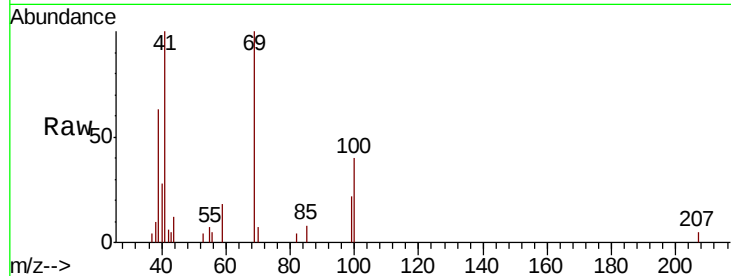
#47
Methyl methacrylate
Concen: 0.823 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

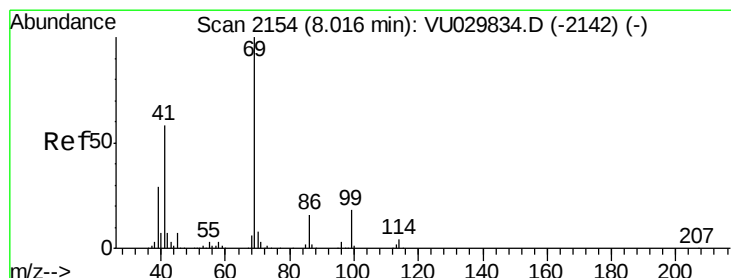
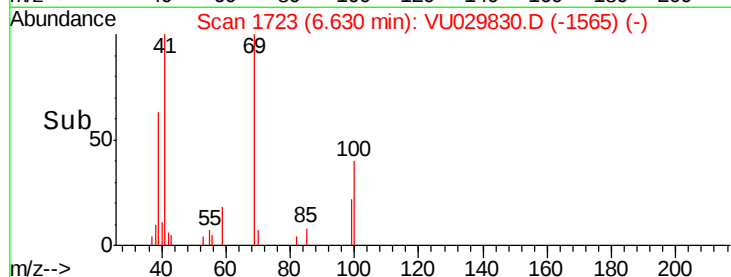
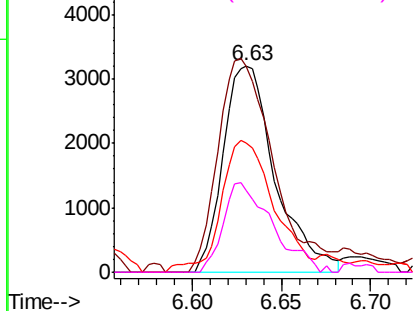
Tgt Ion: 69 Resp: 6522
Ion Ratio Lower Upper
69 100
41 109.9 0.0 201.0
39 64.9 43.3 64.9
100 41.0 31.5 47.3

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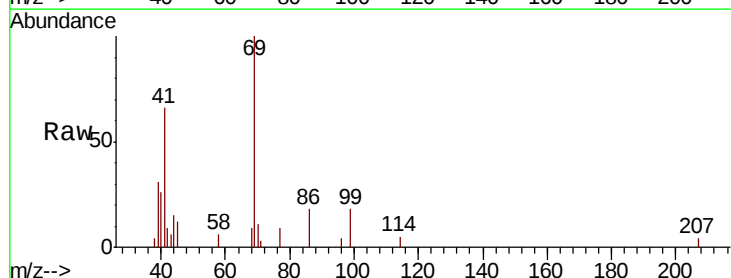


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

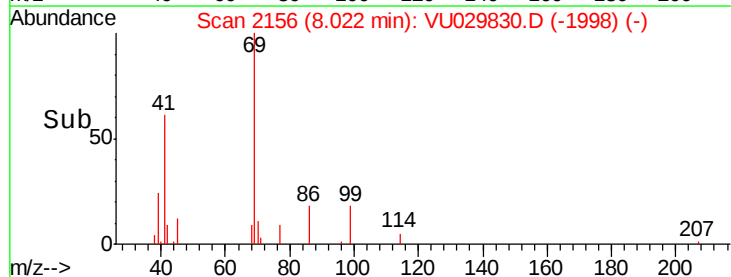
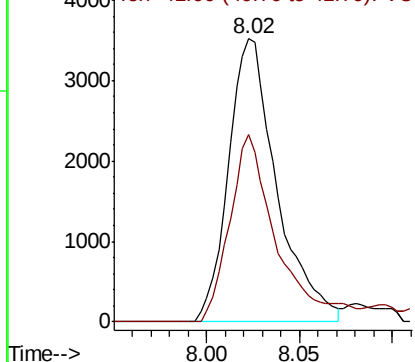


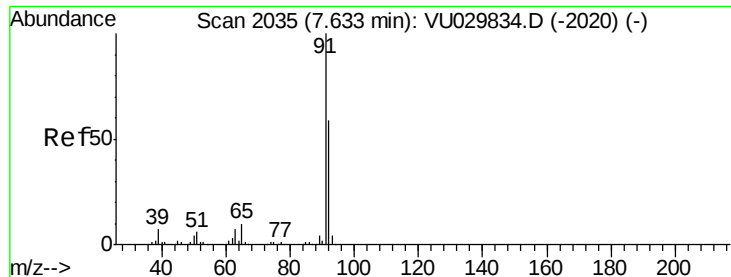
#48
Ethyl methacrylate
Concen: 0.419 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 69 Resp: 6368
Ion Ratio Lower Upper
69 100
41 64.2 29.0 87.1



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.471 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 92 Resp: 20355

Ion Ratio Lower Upper

92 100

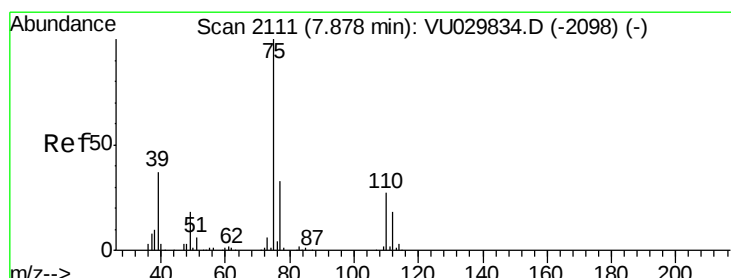
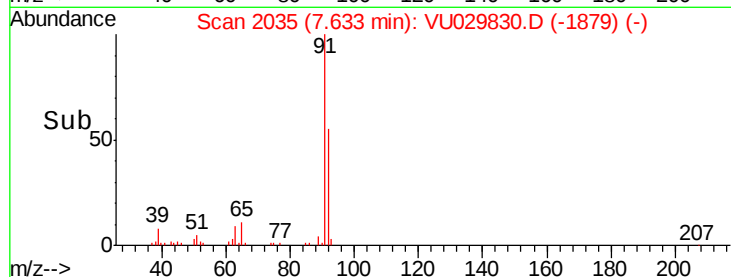
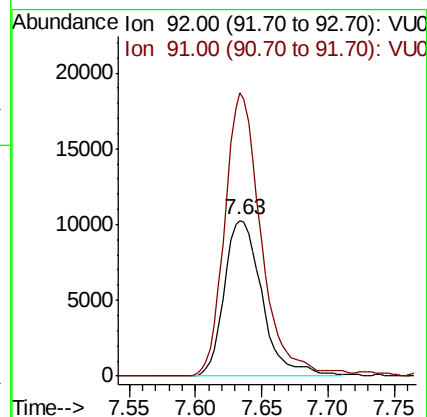
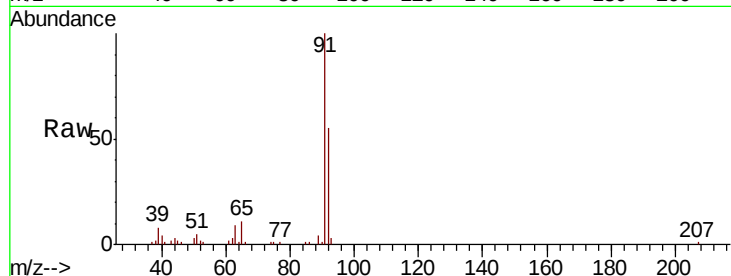
91 173.5 137.8 206.8

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#50

t-1,3-Dichloropropene

Concen: 0.476 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029830.D

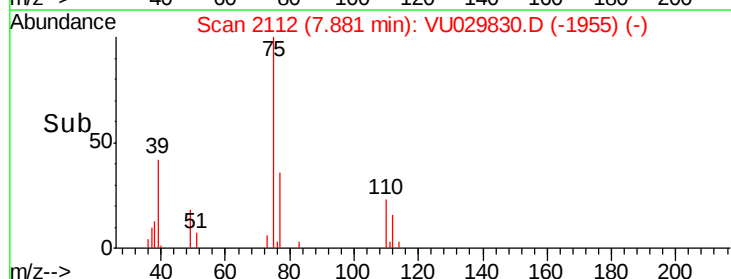
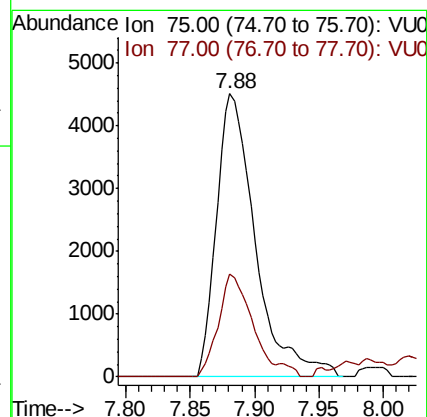
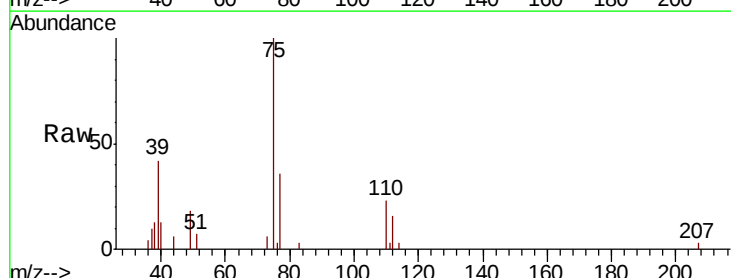
Acq: 06 Mar 2019 09:26

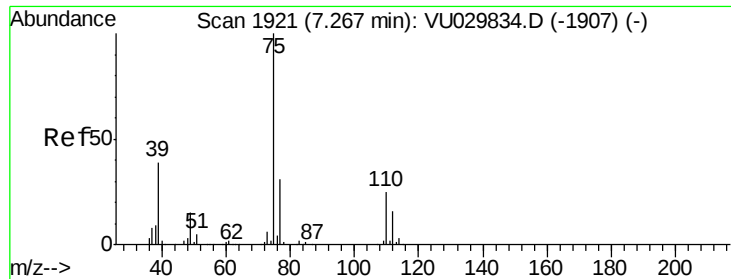
Tgt Ion: 75 Resp: 9458

Ion Ratio Lower Upper

75 100

77 36.3 26.4 39.6





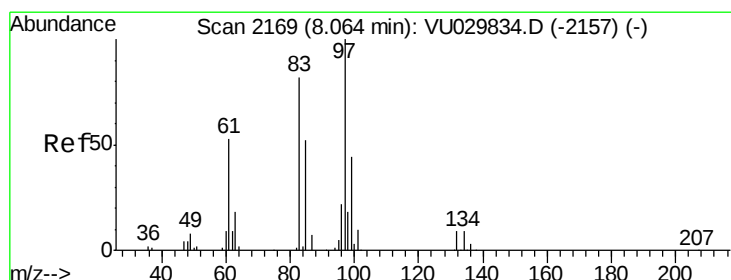
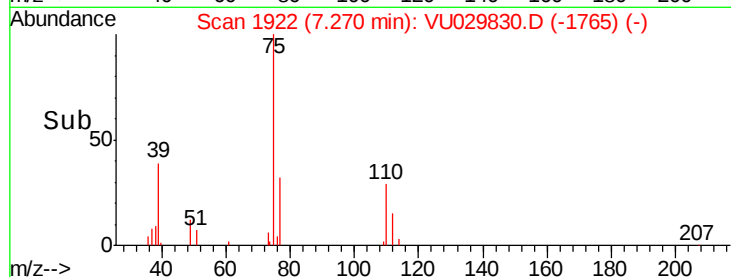
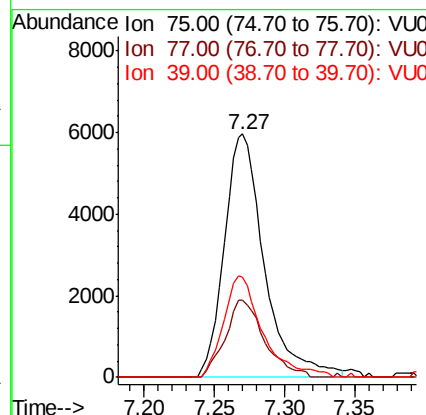
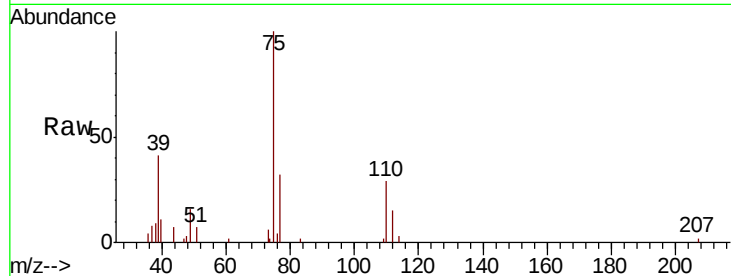
#51
 cis-1,3-Dichloropropene
 Concen: 0.479 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	41.1	30.8	46.2

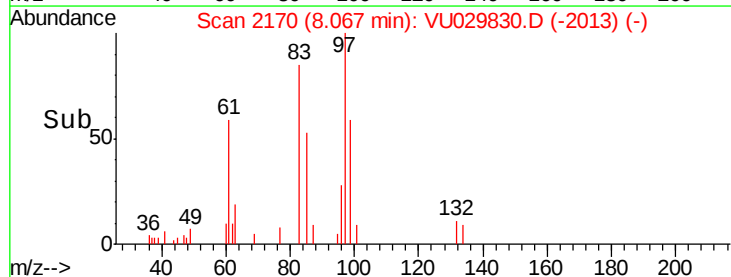
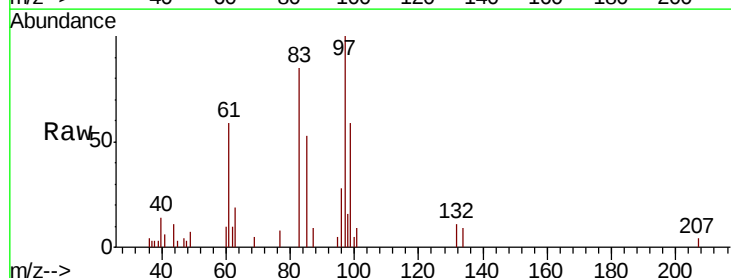
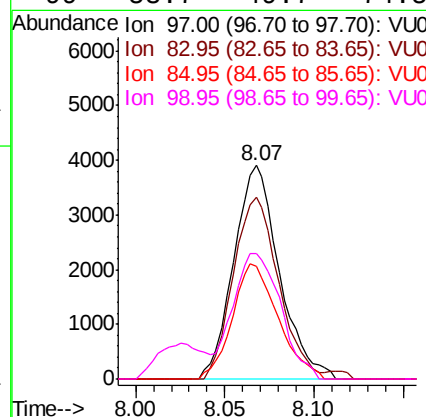
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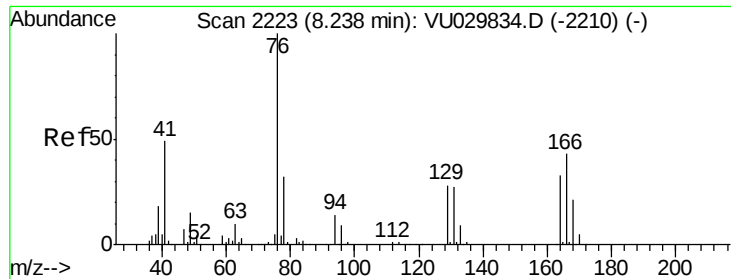
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#52
 1,1,2-Trichloroethane
 Concen: 0.508 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	65.9	98.9
85	52.6	43.0	64.6
99	58.7	49.7	74.5





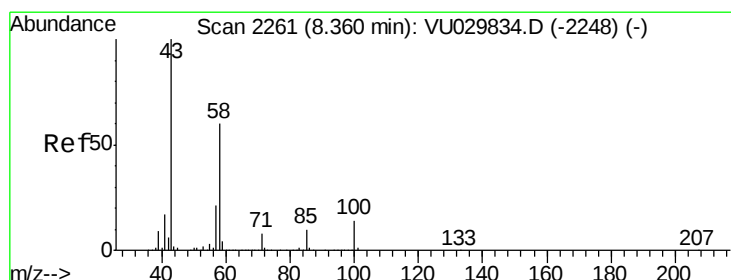
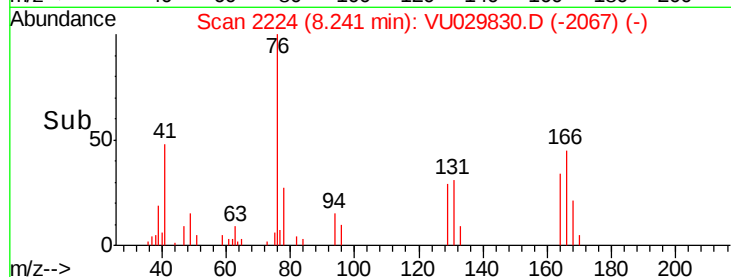
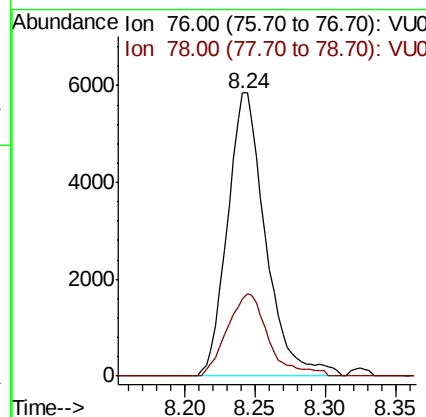
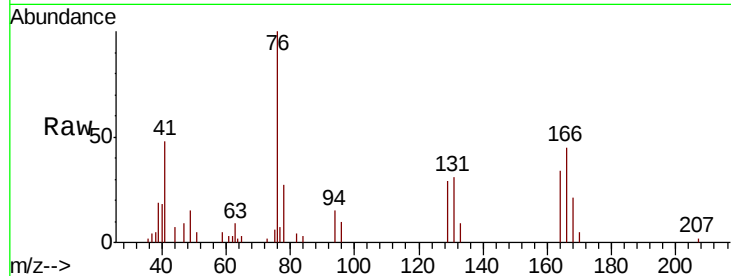
#53
 1,3-Dichloropropane
 Concen: 0.492 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 76 Resp: 11032
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5

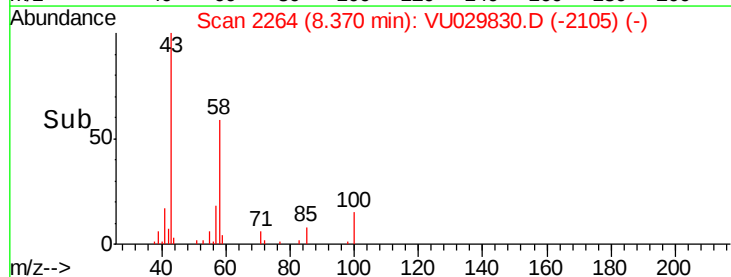
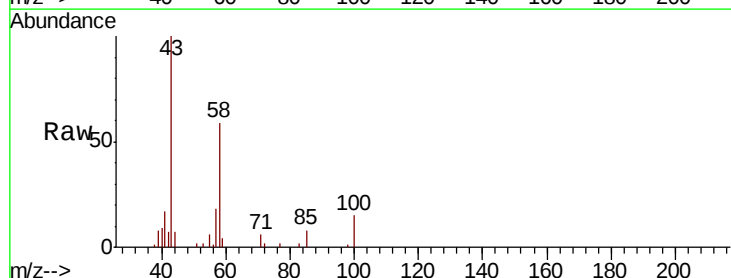
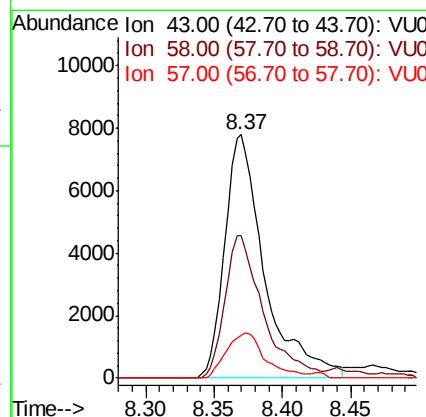
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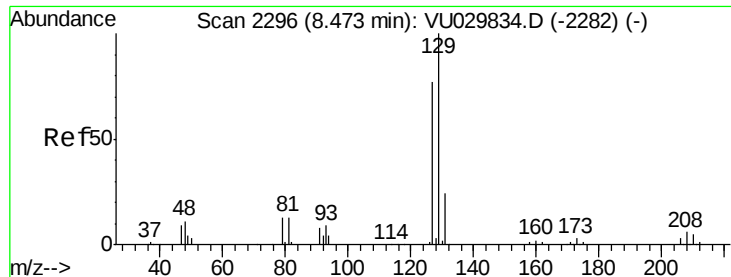
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#54
 2-Hexanone
 Concen: 2.369 ug/l
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 43 Resp: 15848
 Ion Ratio Lower Upper
 43 100
 58 56.2 39.6 79.6
 57 18.1 0.5 40.5





#55

Dibromochloromethane

Concen: 0.484 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:129 Resp: 7856

Ion Ratio Lower Upper

129 100

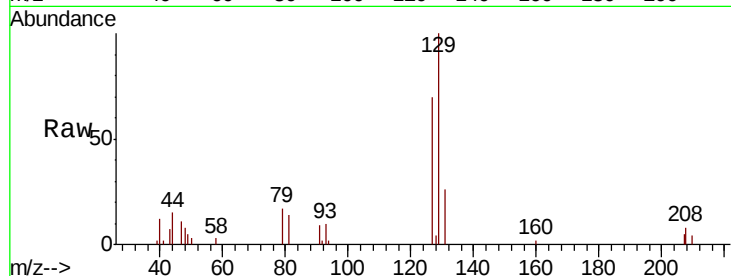
127 70.8 61.6 92.4

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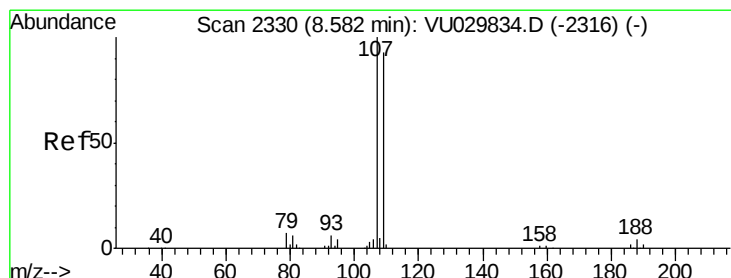
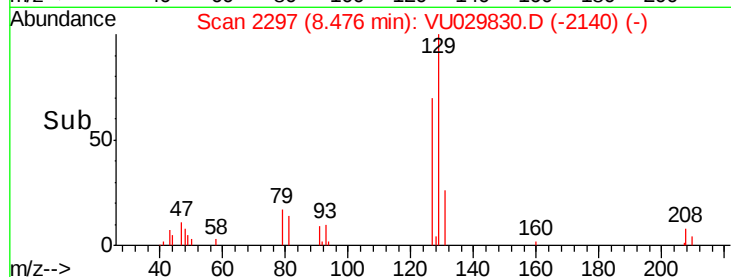
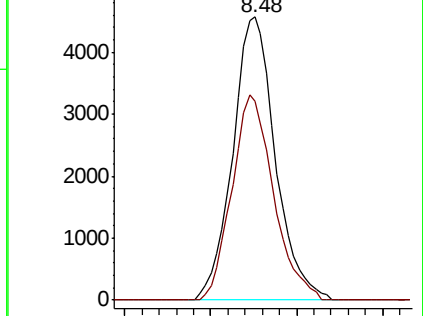
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.502 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU029830.D

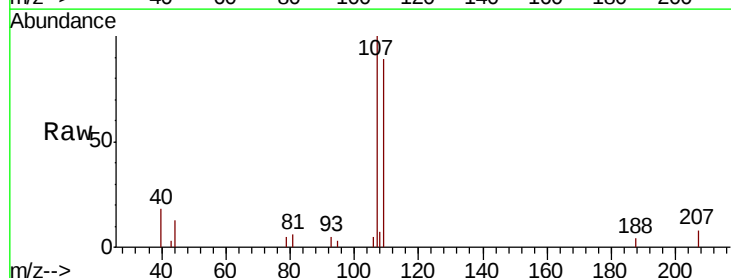
Acq: 06 Mar 2019 09:26

Tgt Ion:107 Resp: 6501

Ion Ratio Lower Upper

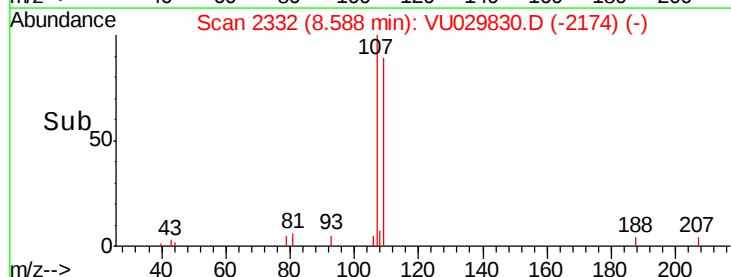
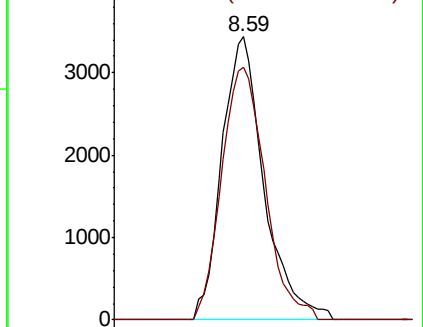
107 100

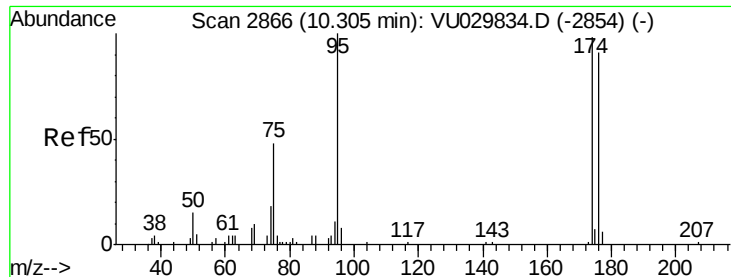
109 92.4 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





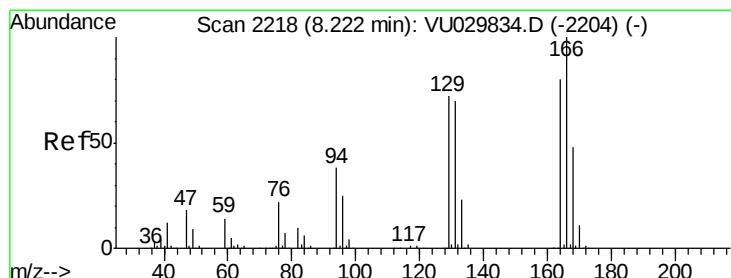
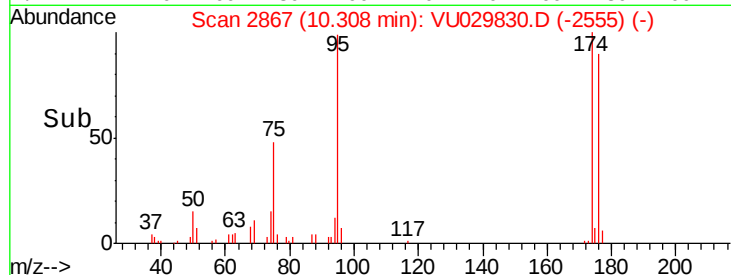
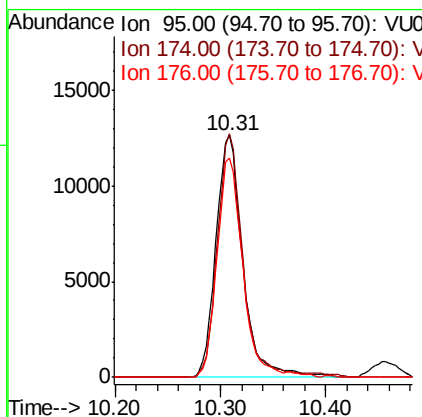
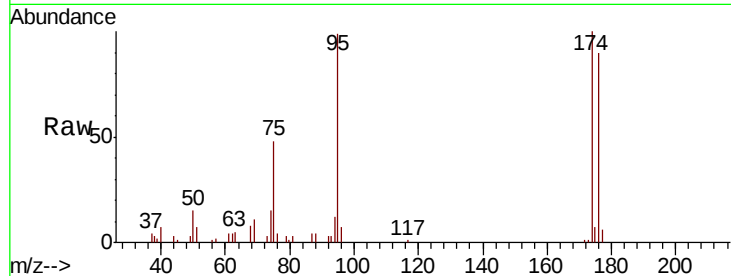
#57
4-Bromofluorobenzene
Concen: 0.502 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	76.5	114.7
176	87.8	74.2	111.2

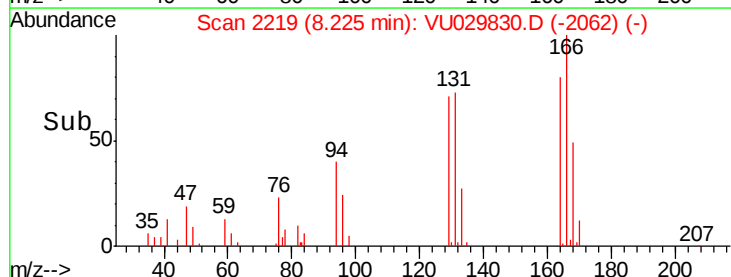
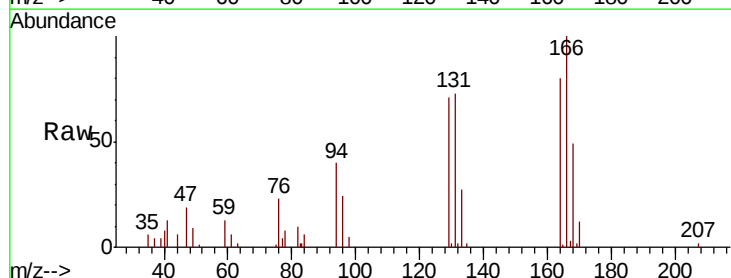
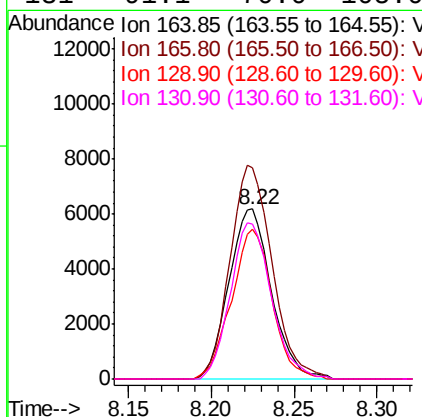
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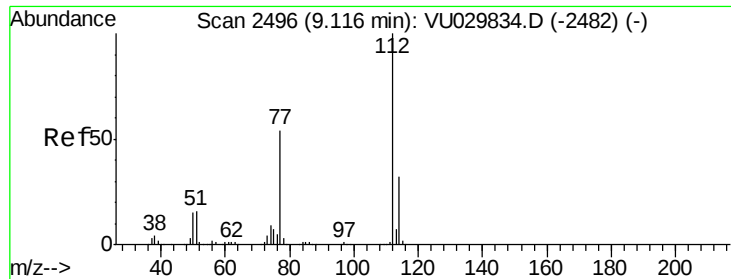
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#58
Tetrachloroethene
Concen: 0.525 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	100.5	150.7
129	88.6	72.3	108.5
131	91.1	70.0	105.0





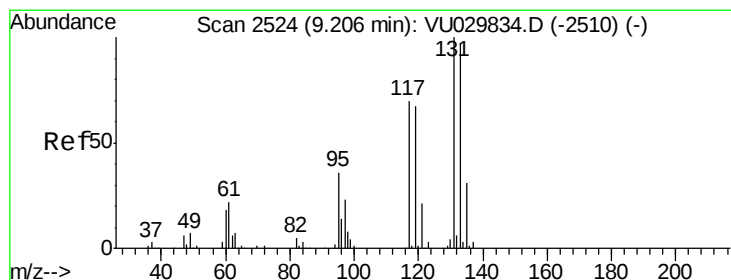
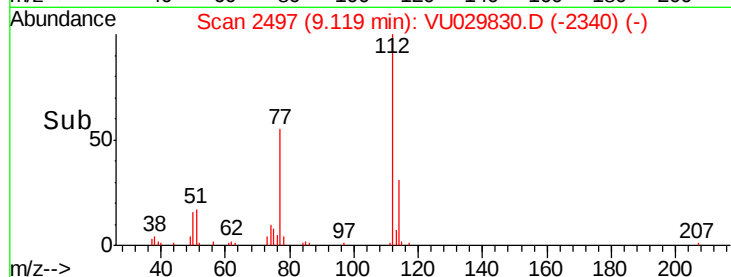
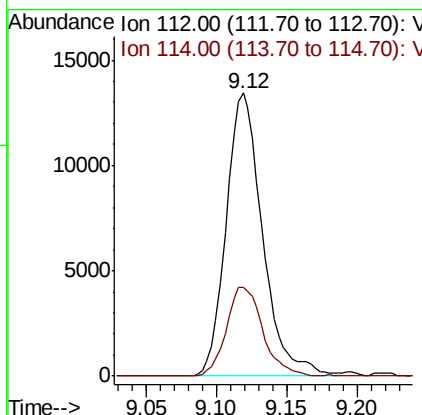
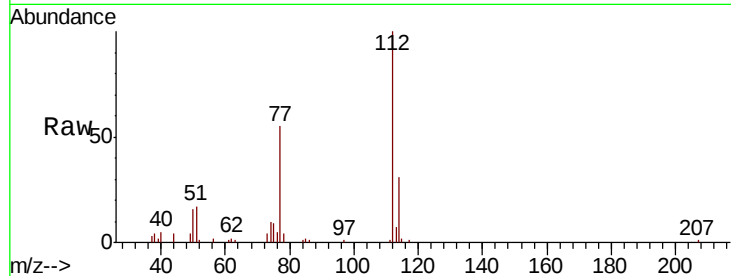
#59
Chlorobenzene
Concen: 0.488 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 24256
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

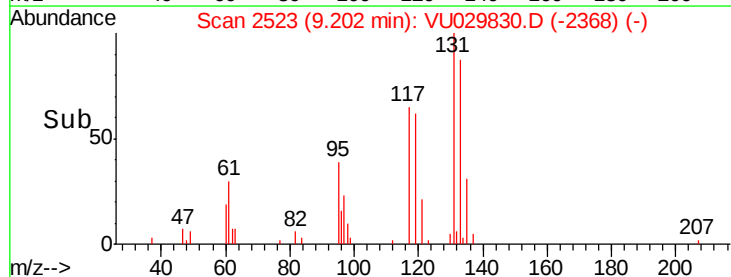
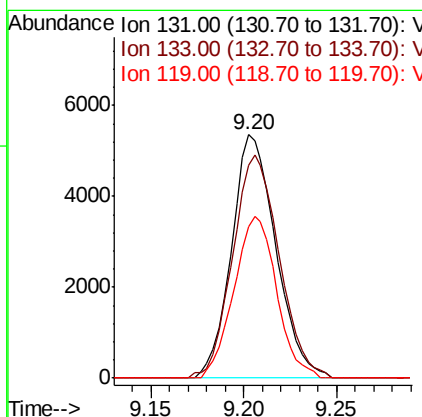
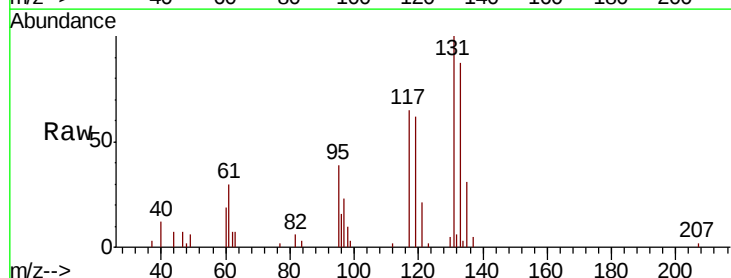
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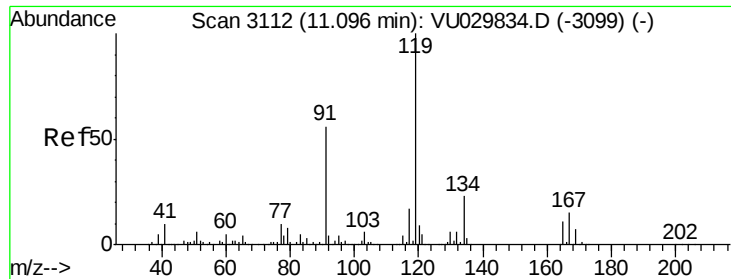
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.499 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:131 Resp: 8886
Ion Ratio Lower Upper
131 100
133 96.1 76.4 114.6
119 63.8 54.2 81.4





#61

Pentachloroethane

Concen: 0.462 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:117 Resp: 5727

Ion Ratio Lower Upper

117 100

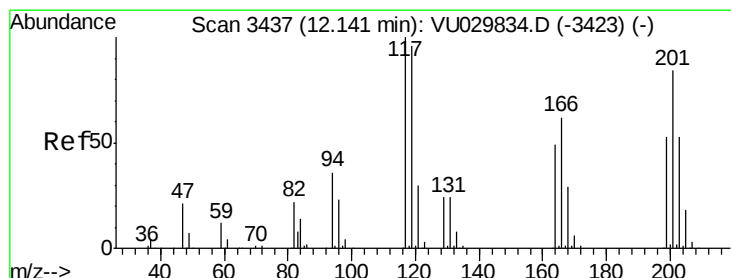
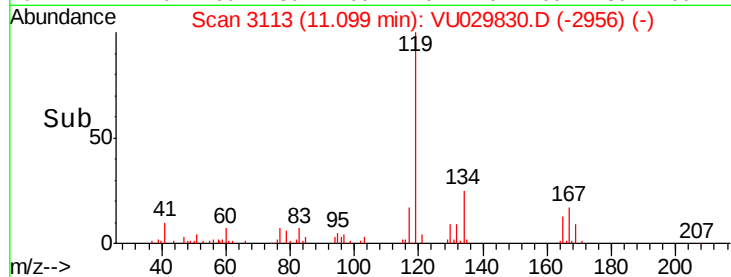
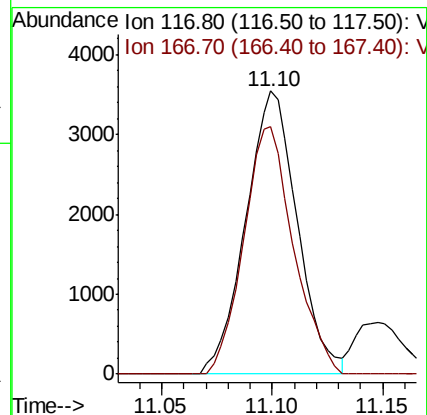
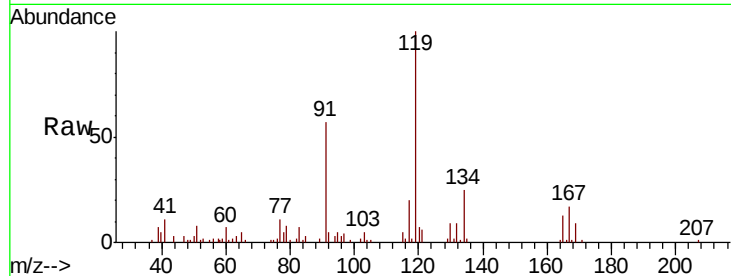
167 84.6 71.4 107.2

Manual Integrations

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#62

Hexachloroethane

Concen: 0.468 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU029830.D

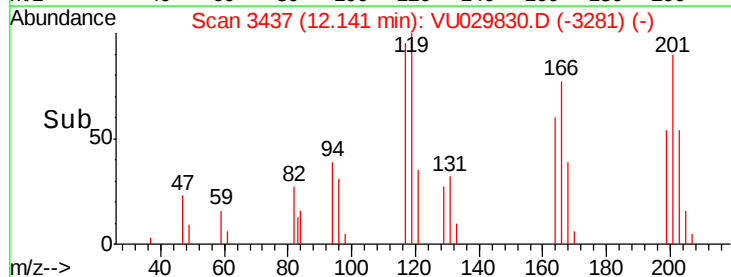
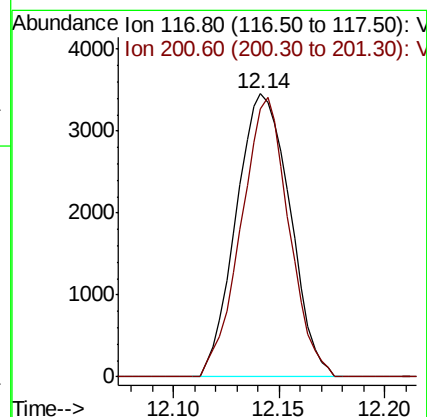
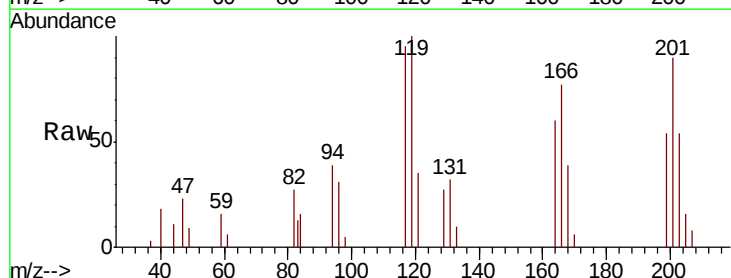
Acq: 06 Mar 2019 09:26

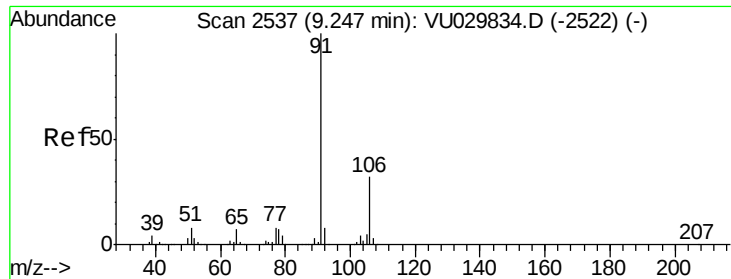
Tgt Ion:117 Resp: 6109

Ion Ratio Lower Upper

117 100

201 88.0 68.2 102.2





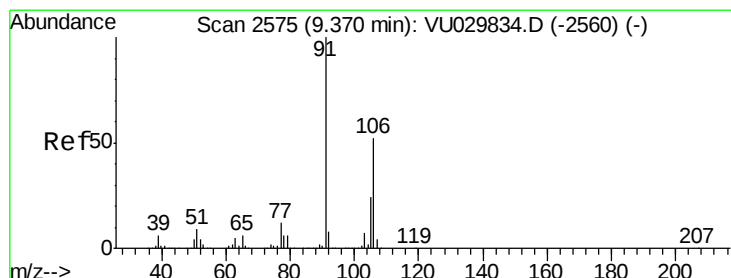
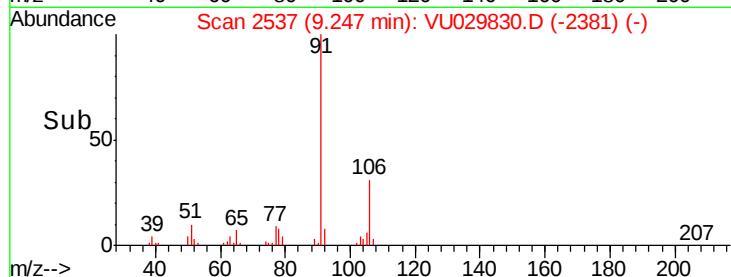
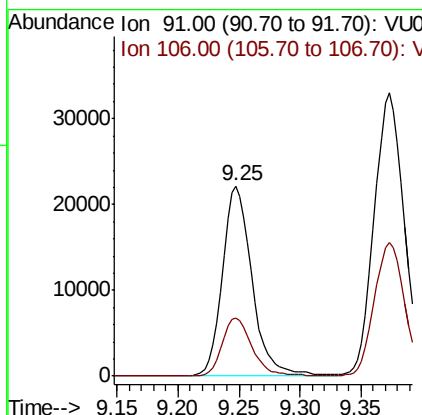
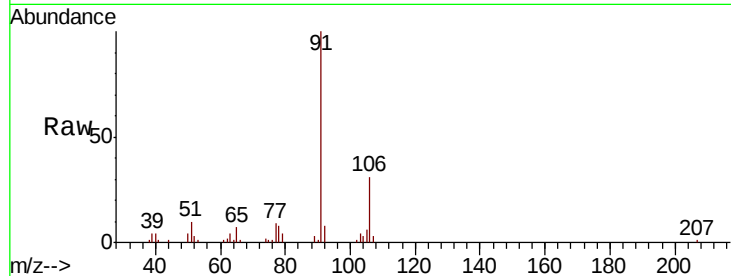
#63
Ethyl Benzene
Concen: 0.467 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 37994
Ion Ratio Lower Upper
91 100
106 30.9 25.7 38.5

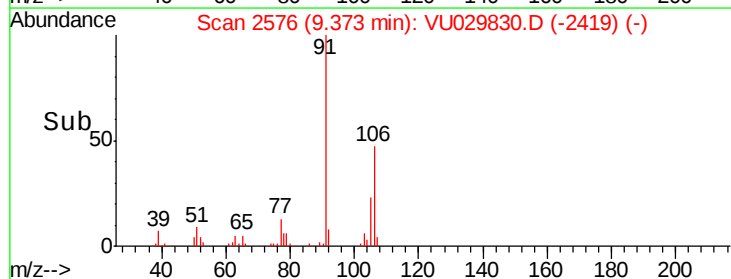
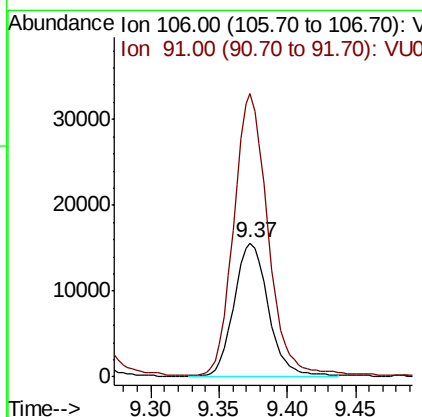
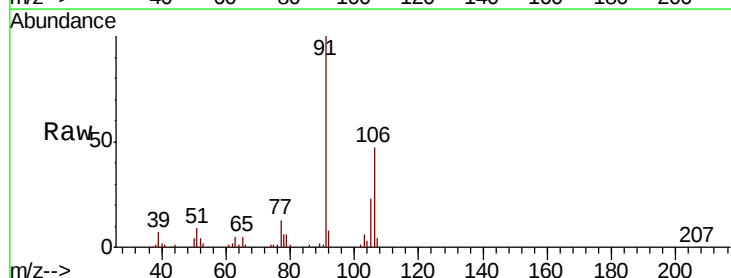
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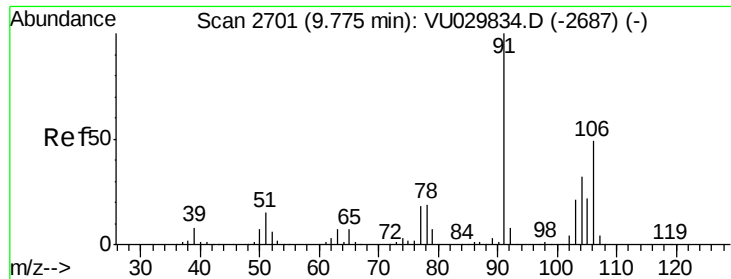
MMDadoda
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#64
m/p-Xylenes
Concen: 0.856 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion: 106 Resp: 27529
Ion Ratio Lower Upper
106 100
91 206.6 155.3 232.9





#65

o-Xylene

Concen: 0.434 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:106 Resp: 13400

Ion Ratio Lower Upper

106 100

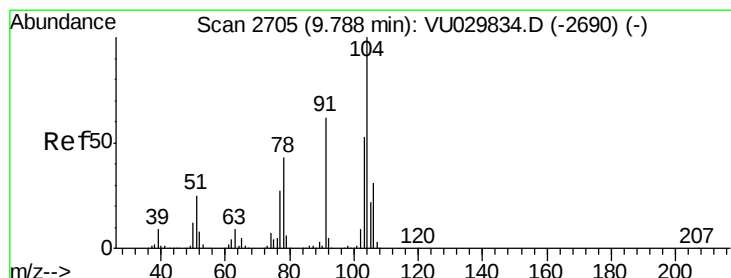
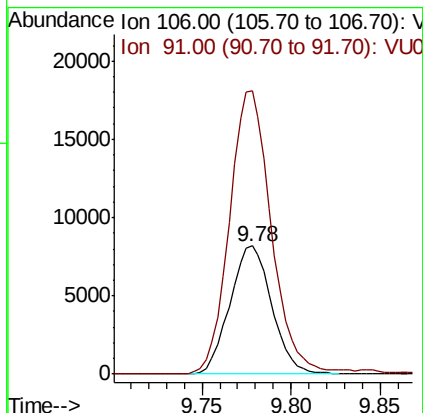
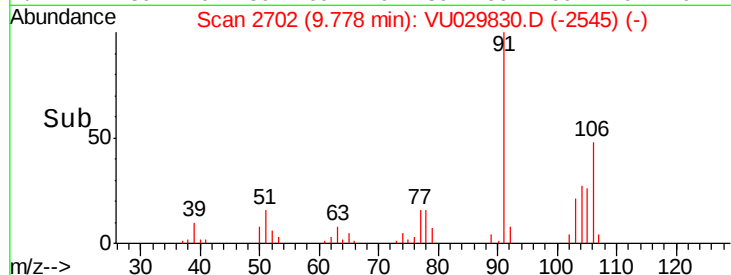
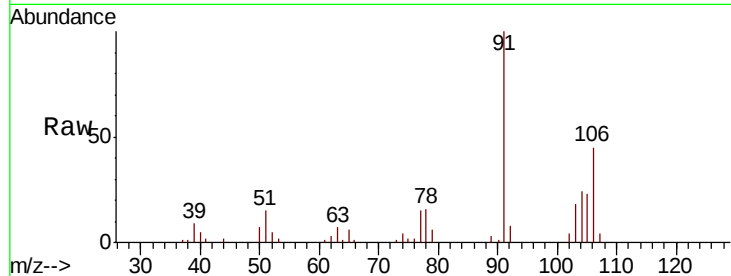
91 221.2 102.8 308.3

Manual Integrations

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#66

Styrene

Concen: 0.418 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

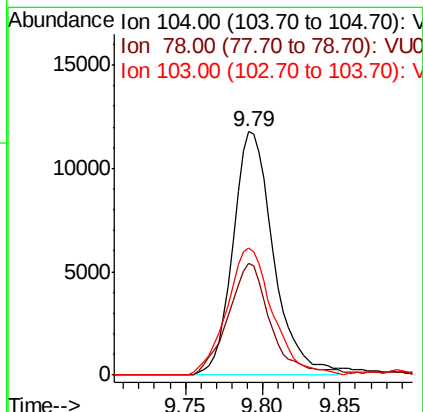
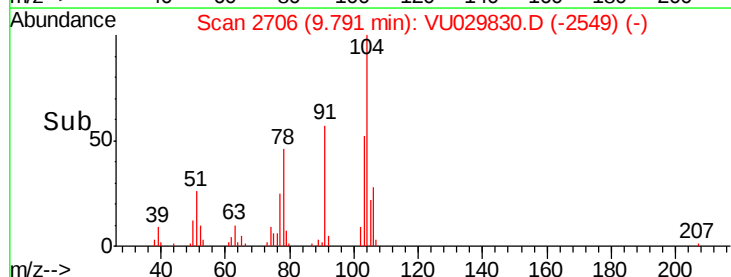
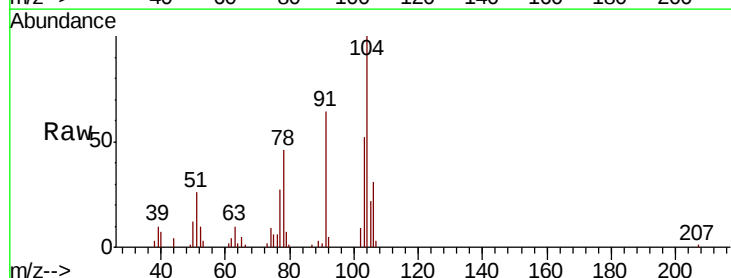
Tgt Ion:104 Resp: 21451

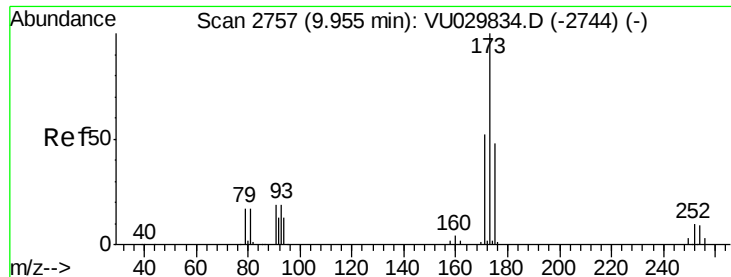
Ion Ratio Lower Upper

104 100

78 48.6 37.2 55.8

103 58.7 44.7 67.1





#67

Bromoform

Concen: 0.463 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

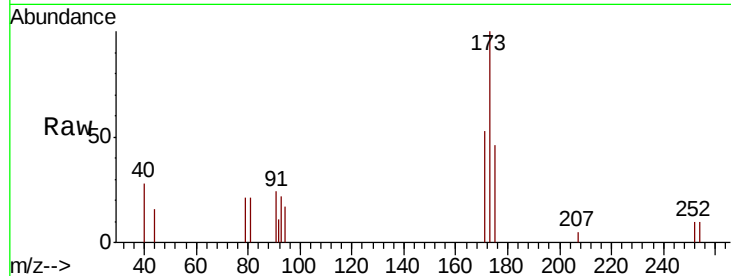
ClientSampleId :

VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.1	38.6	57.8
254	7.4	7.4	11.2

Manual Integrations
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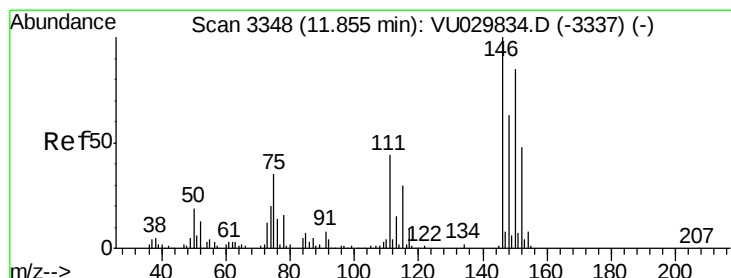
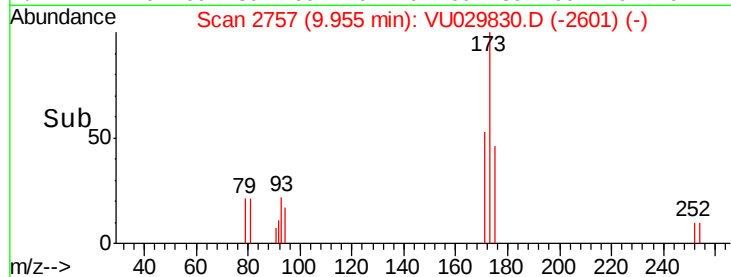
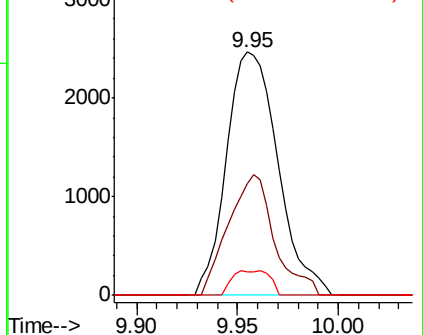


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.463 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

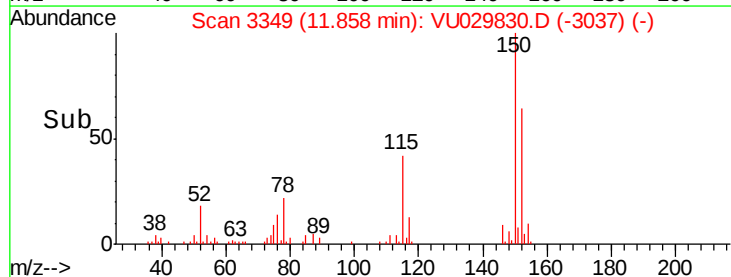
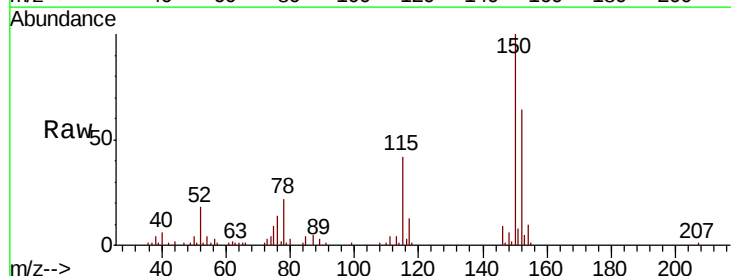
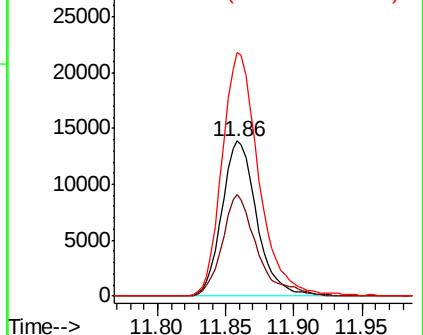
Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	0.0	124.0
150	165.2	0.0	631.2

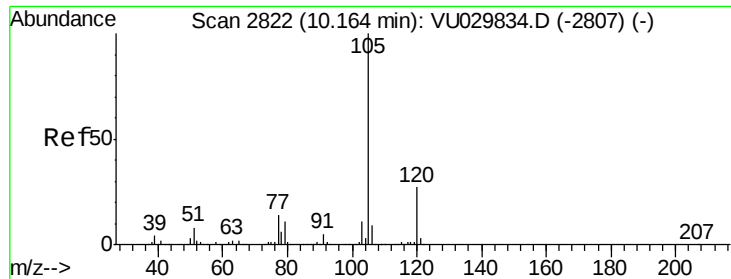
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.446 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 105 Resp: 36536

Ion Ratio Lower Upper

105 100

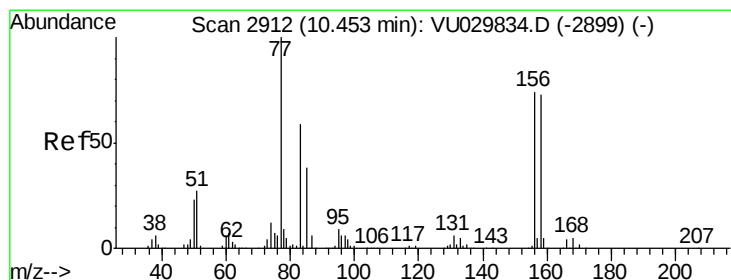
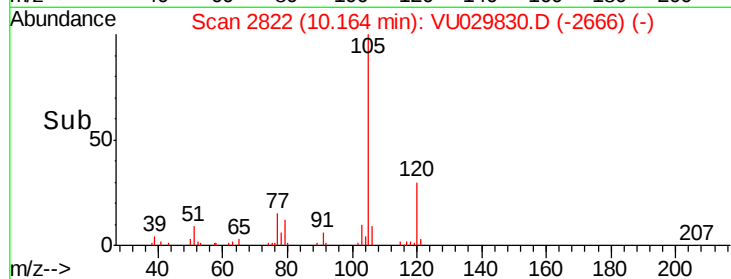
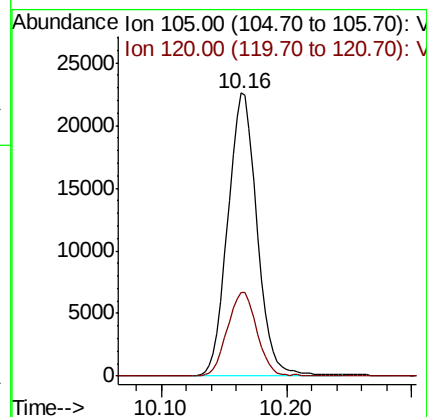
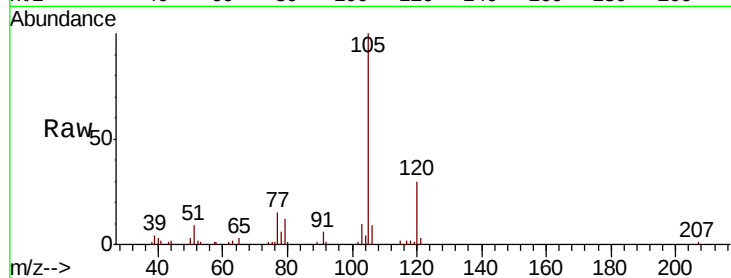
120 29.7 13.5 40.5

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.509 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

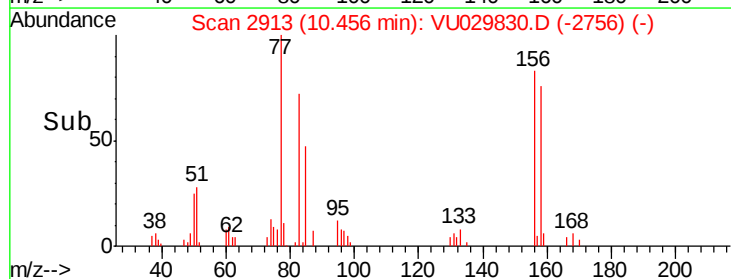
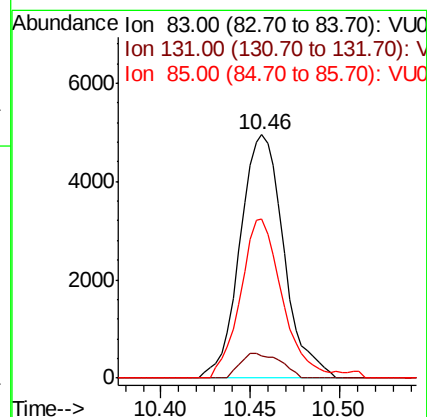
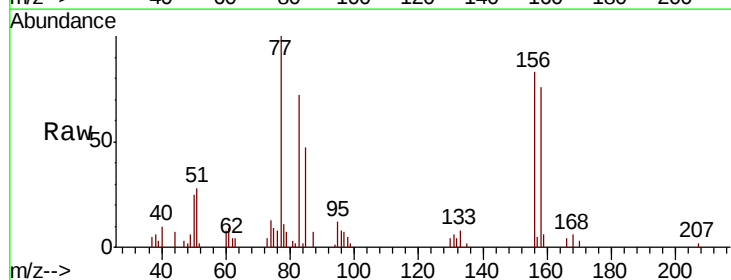
Tgt Ion: 83 Resp: 8486

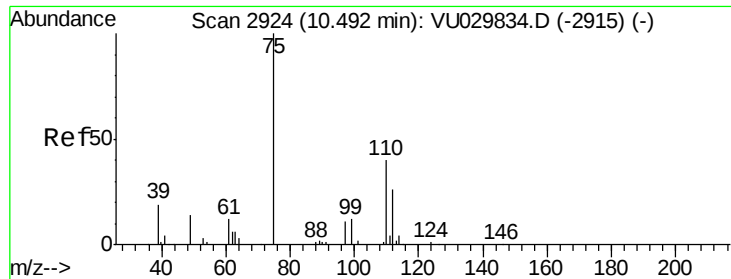
Ion Ratio Lower Upper

83 100

131 9.4 8.3 12.5

85 62.2 52.5 78.7





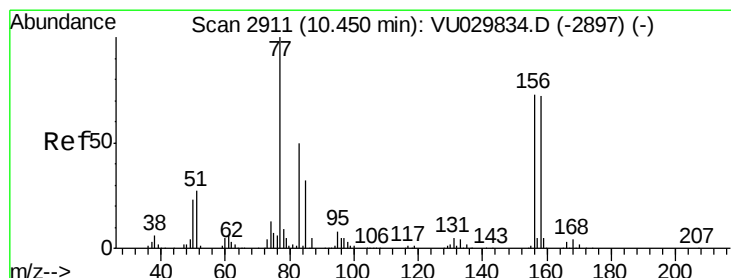
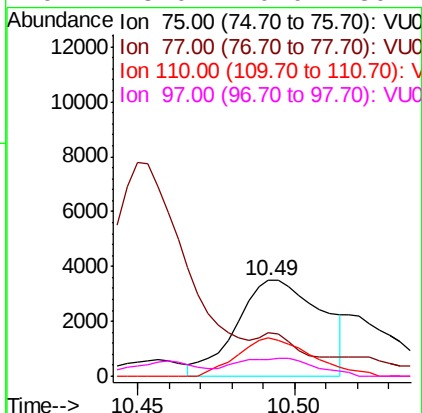
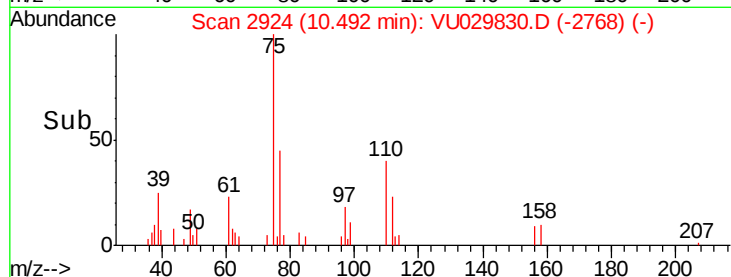
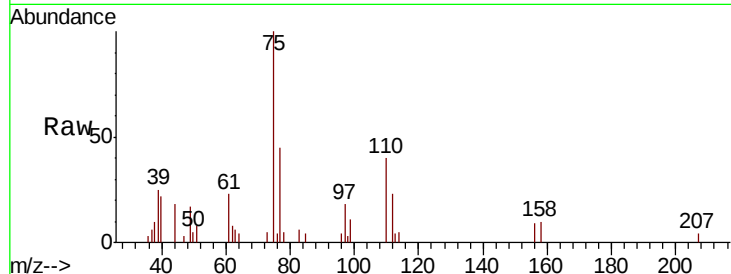
#71
1,2,3-Trichloropropane
Concen: 0.545 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	34.7	0.0	74.8
97	18.0	0.0	39.4

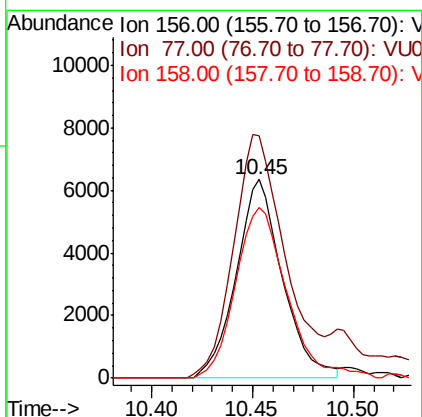
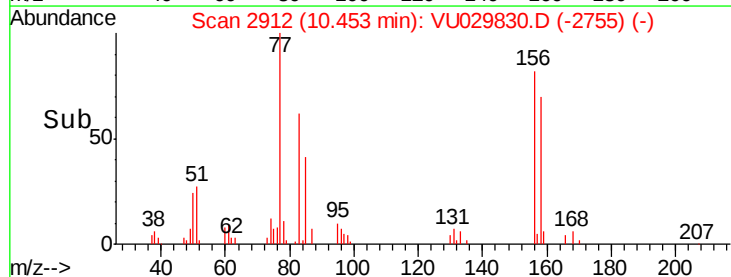
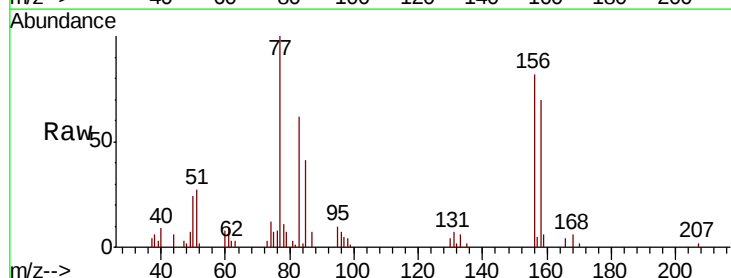
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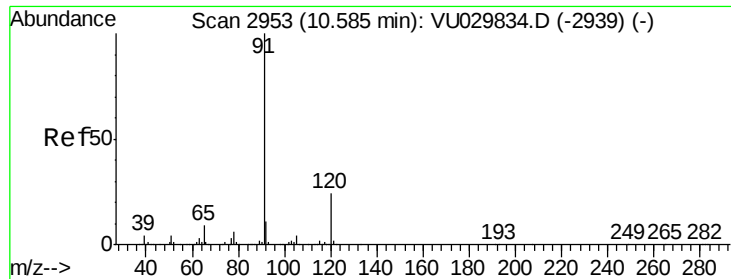
MMDadoda
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#72
Bromobenzene
Concen: 0.470 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
156	100		
77	136.7	0.0	282.2
158	95.2	0.0	196.2





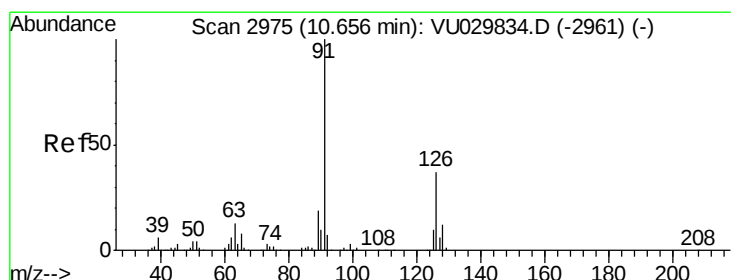
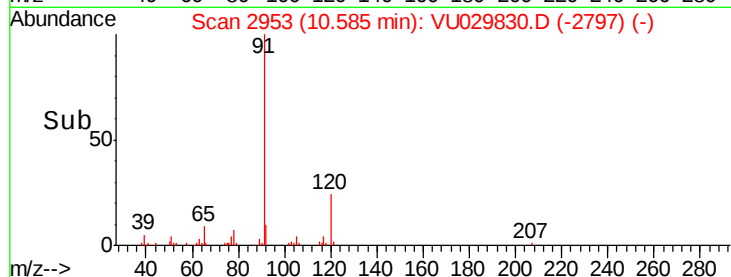
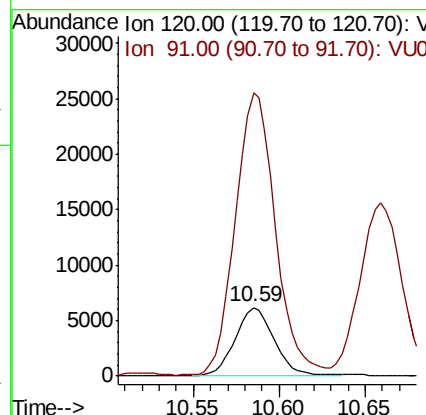
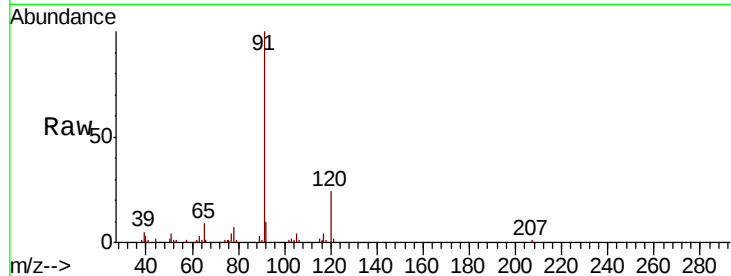
#73
n-propylbenzene
Concen: 0.429 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:120 Resp: 9888
Ion Ratio Lower Upper
120 100
91 422.8 333.4 500.2

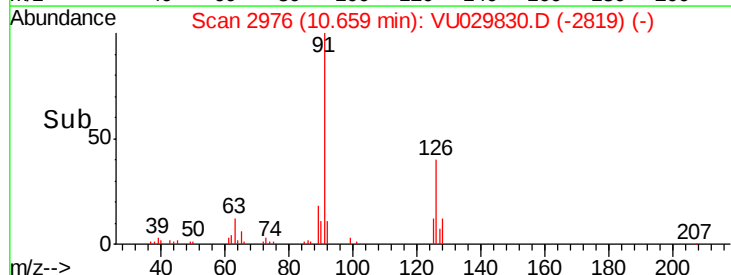
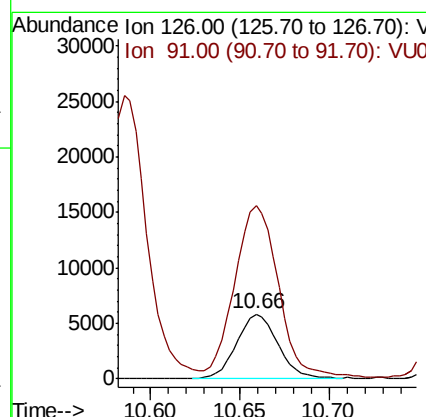
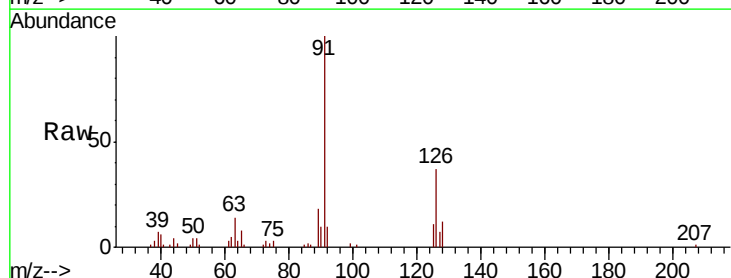
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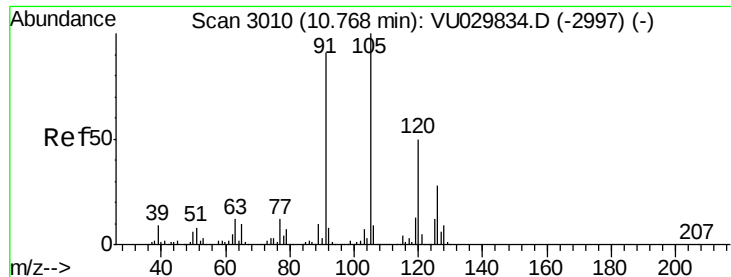
MMDadoda
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#74
2-Chlorotoluene
Concen: 0.458 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion:126 Resp: 9349
Ion Ratio Lower Upper
126 100
91 287.4 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 0.431 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 29722

Ion Ratio Lower Upper

105 100

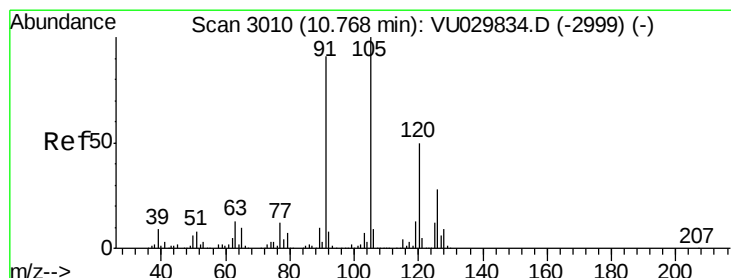
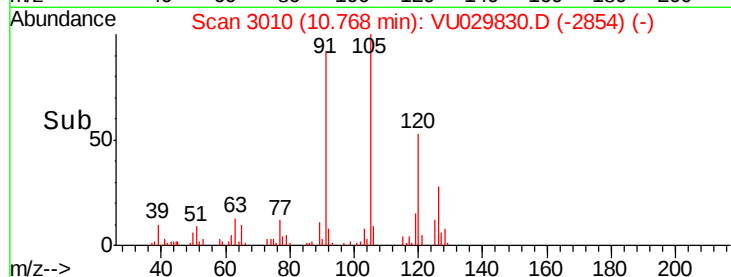
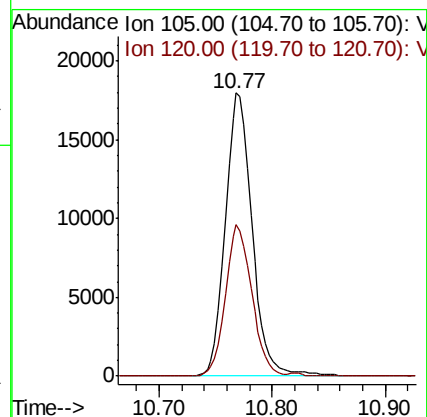
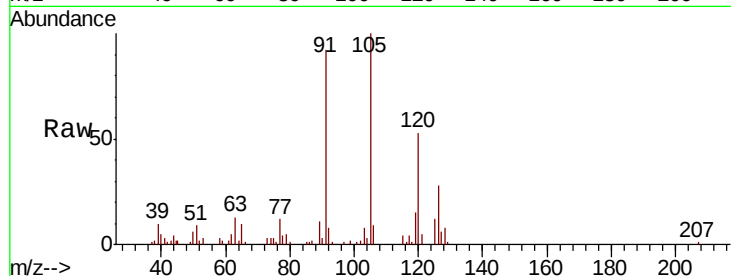
120 52.4 40.0 60.0

Manual Integrations

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#76

4-Chlorotoluene

Concen: 0.442 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU029830.D

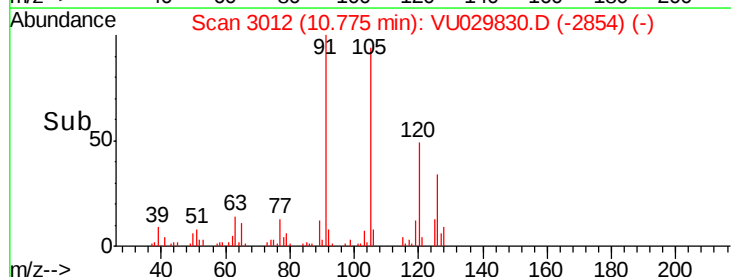
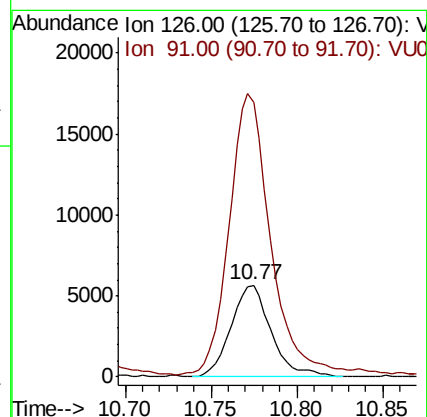
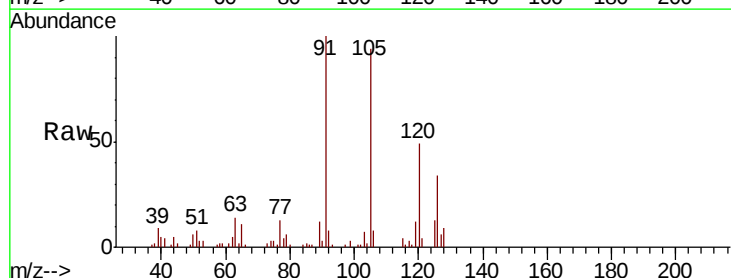
Acq: 06 Mar 2019 09:26

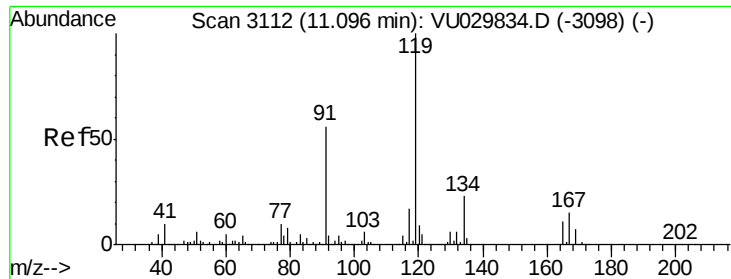
Tgt Ion:126 Resp: 9211

Ion Ratio Lower Upper

126 100

91 320.0 0.0 634.8





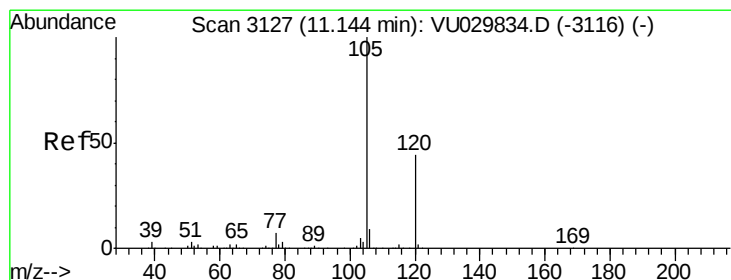
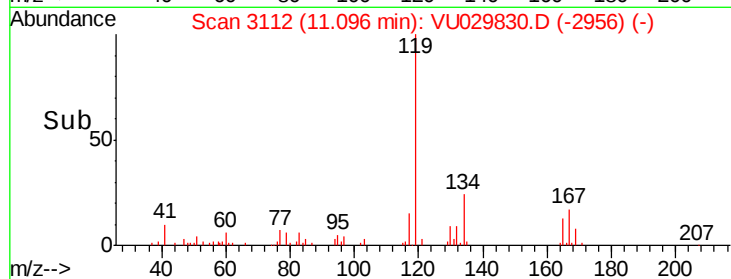
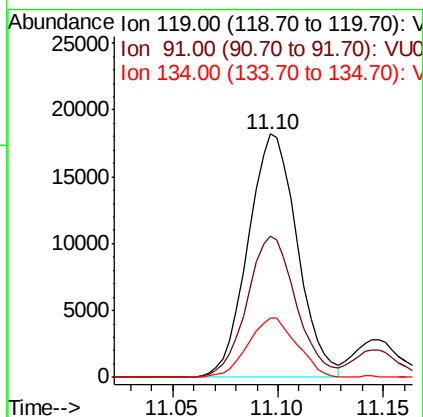
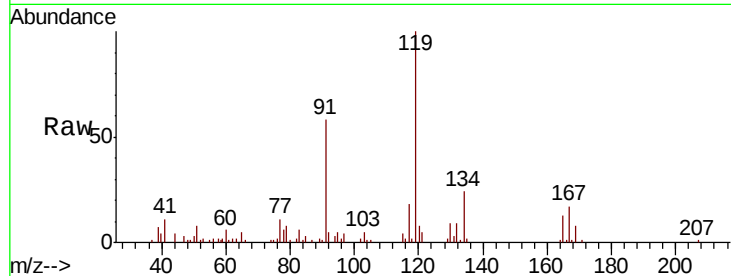
#77
 tert-Butylbenzene
 Concen: 0.434 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	29608		
91	57.9		27.7	83.1
134	24.1		18.7	28.1

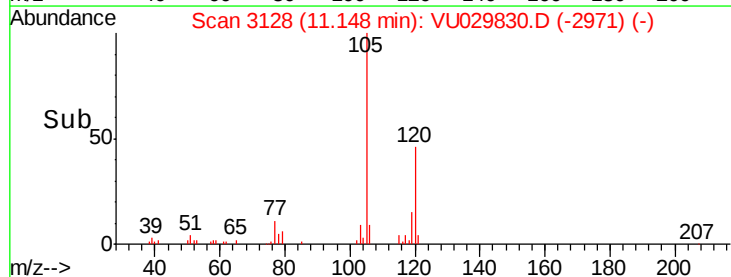
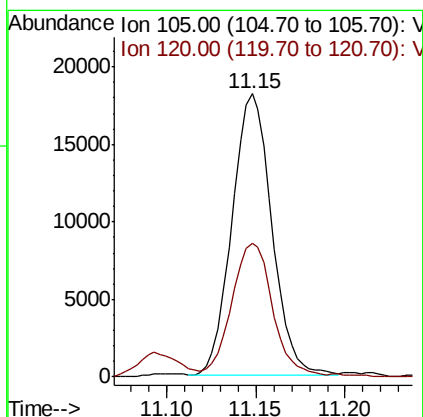
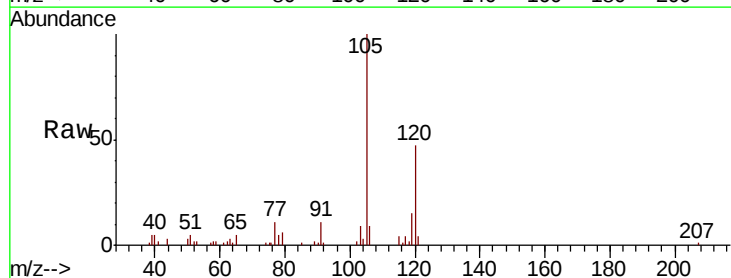
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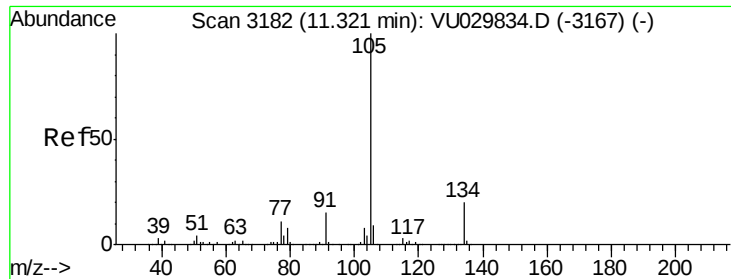
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.404 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	28203		
120	49.8		23.5	70.5





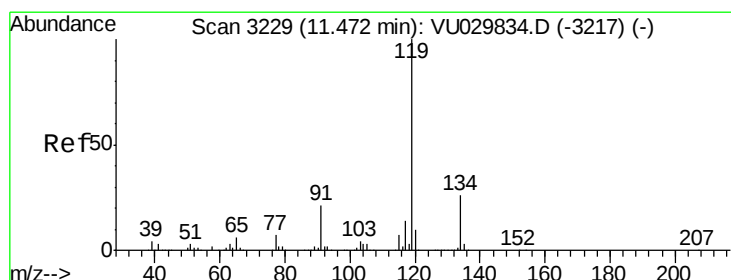
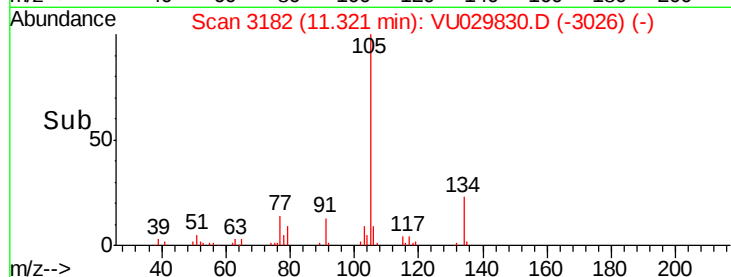
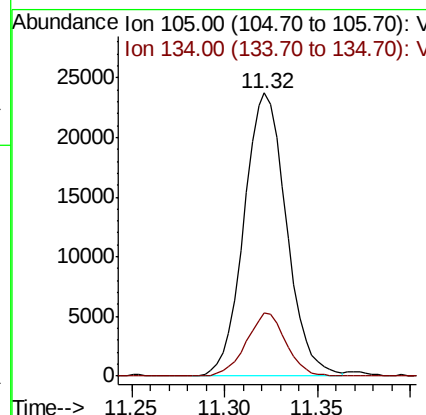
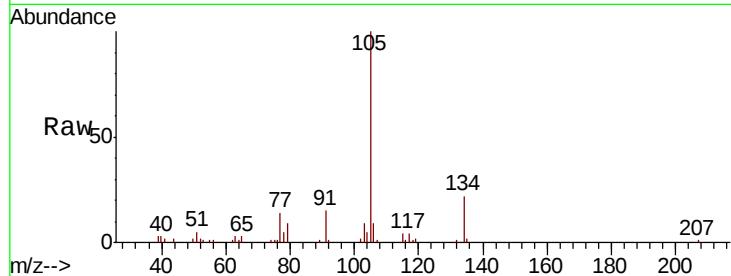
#79
 sec-Butylbenzene
 Concen: 0.418 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:105 Resp: 37789
 Ion Ratio Lower Upper
 105 100
 134 20.8 16.3 24.5

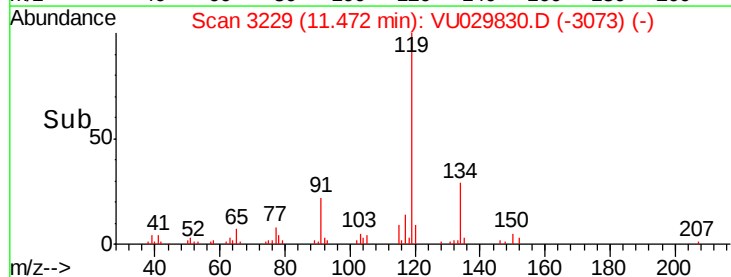
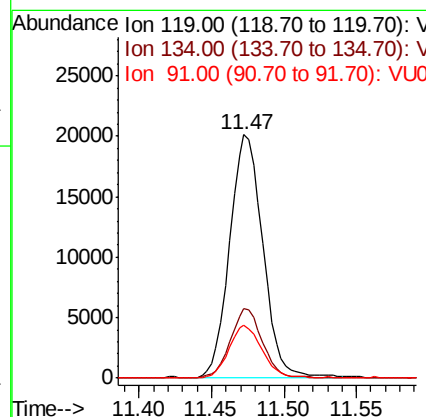
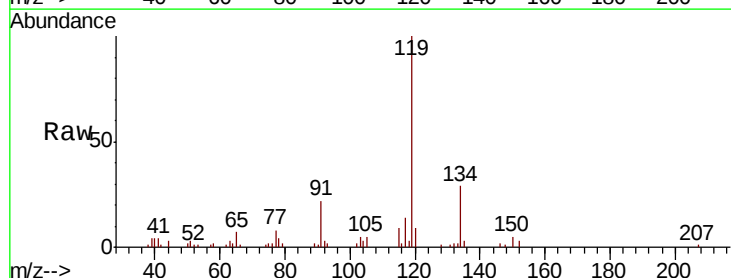
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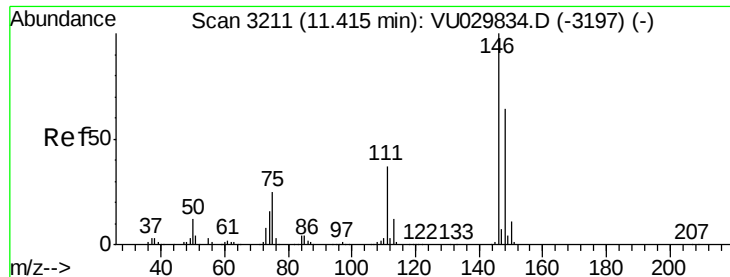
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#81
 p-Isopropyltoluene
 Concen: 0.424 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion:119 Resp: 32098
 Ion Ratio Lower Upper
 119 100
 134 27.2 21.2 31.8
 91 21.3 17.2 25.8





#82

1,3-Dichlorobenzene

Concen: 0.473 ug/l

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

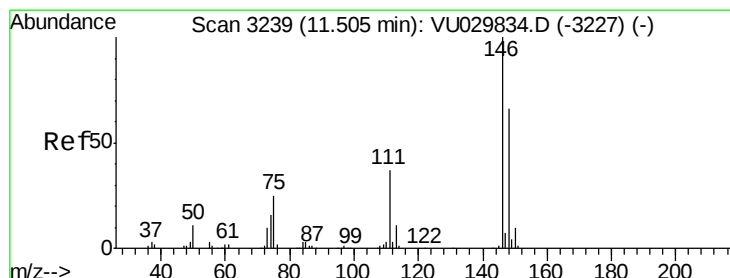
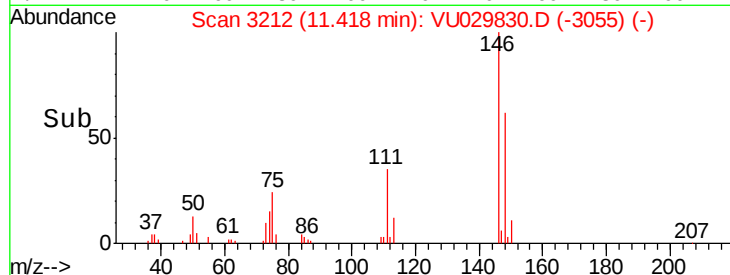
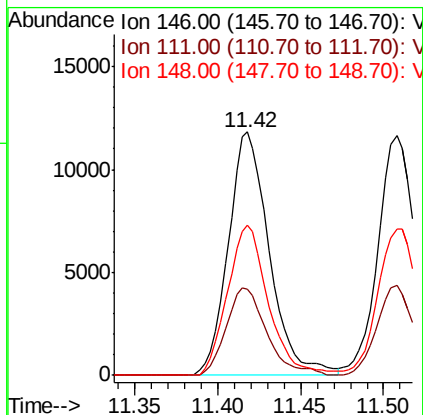
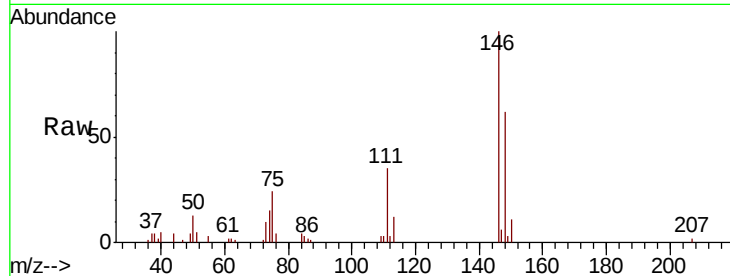
ClientSampleId :

VSTDIC0.5

Tgt Ion:	146	Resp:	20326
Ion Ratio	Lower	Upper	
146	100		
111	35.4	30.2	45.4
148	61.4	51.2	76.8

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#83

1,4-Dichlorobenzene

Concen: 0.468 ug/l

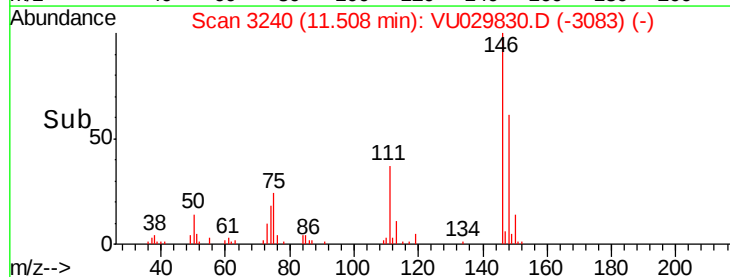
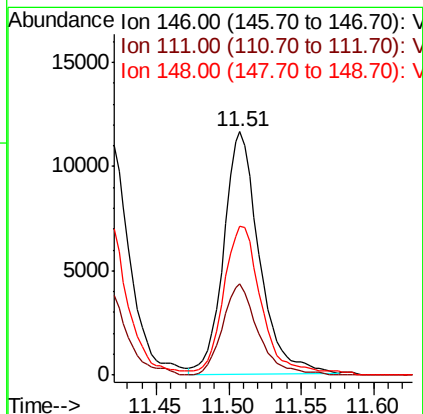
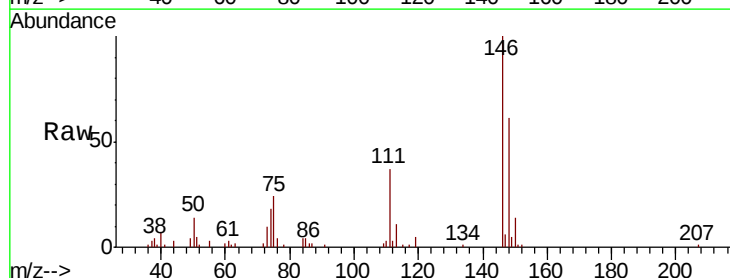
RT: 11.51 min Scan# 3240

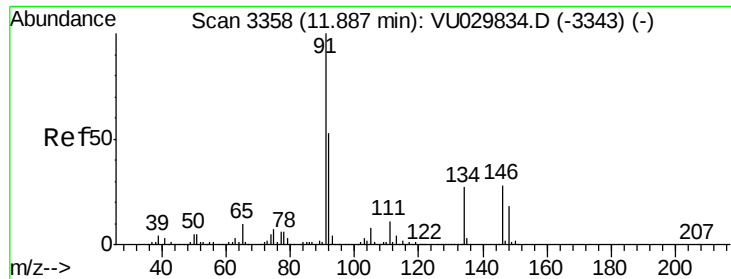
Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Tgt Ion:	146	Resp:	19642
Ion Ratio	Lower	Upper	
146	100		
111	37.8	29.4	44.2
148	66.6	51.7	77.5





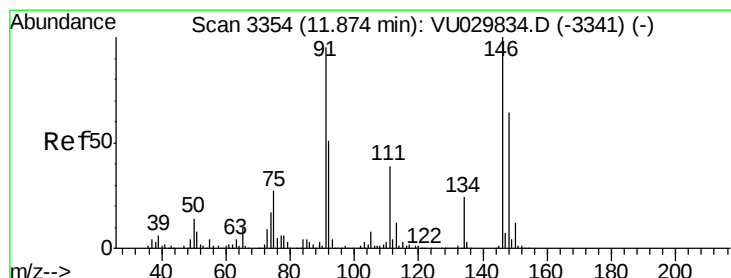
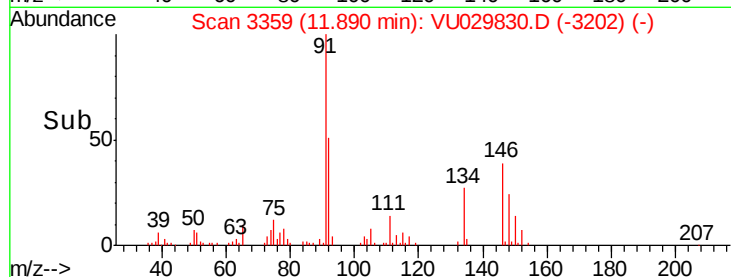
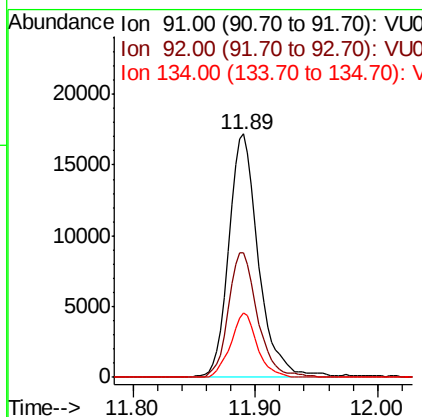
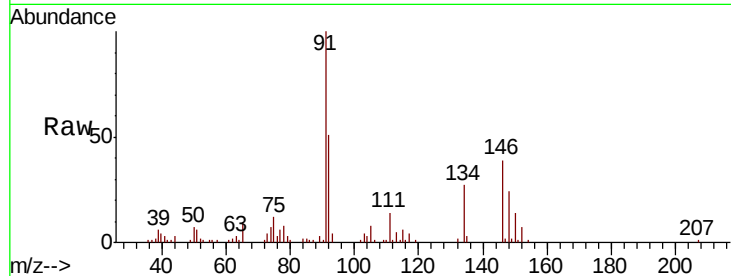
#84
n-Butylbenzene
Concen: 0.424 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.2	42.6	63.8
134	23.6	21.7	32.5

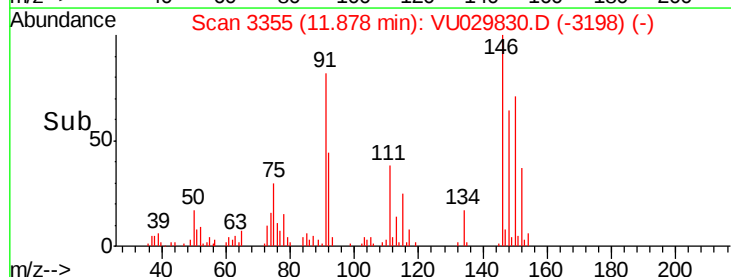
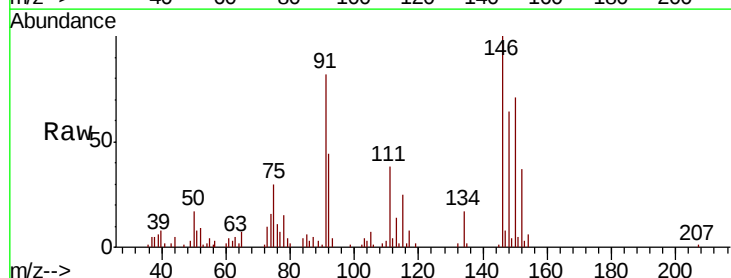
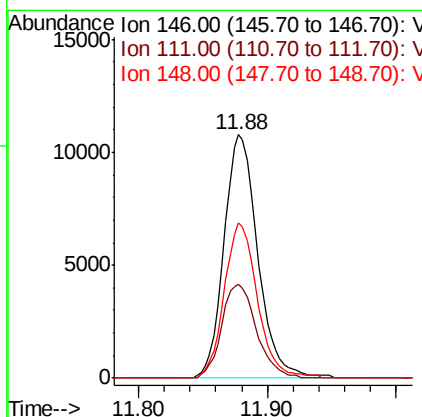
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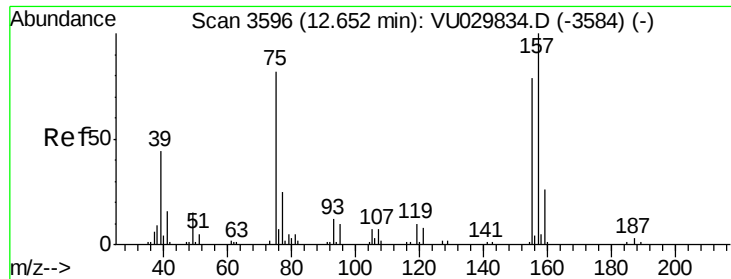
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#85
1,2-Dichlorobenzene
Concen: 0.484 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU029830.D
Acq: 06 Mar 2019 09:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	62.5	32.1	96.3





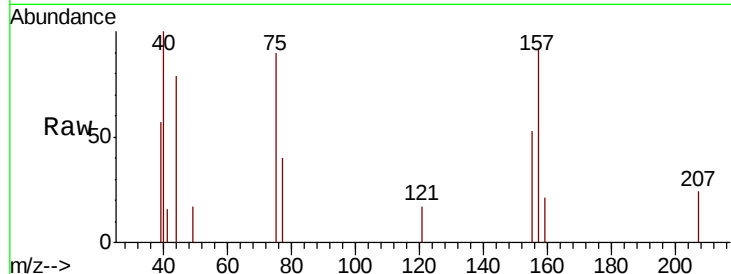
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.430 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

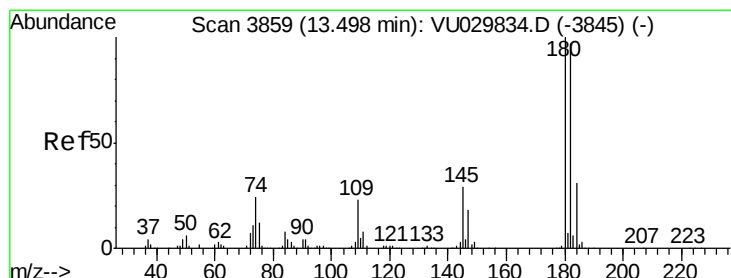
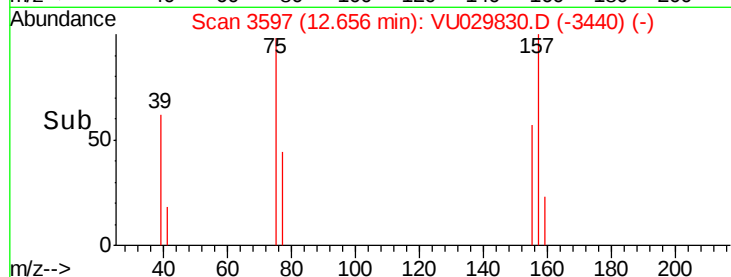
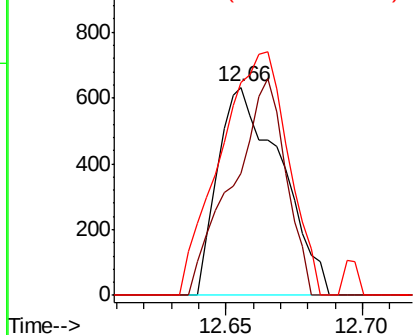
Tgt Ion: 75 Resp: 1023
 Ion Ratio Lower Upper
 75 100
 155 86.8 76.6 114.8
 157 124.8 96.2 144.2

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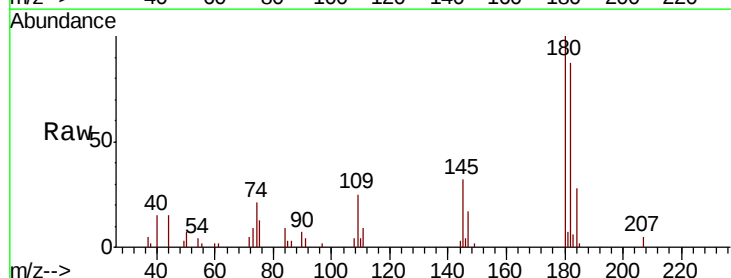


Abundance Ion 75.00 (74.70 to 75.70): VU029834.D (-3584) (-)
 Ion 155.00 (154.70 to 155.70): VU029834.D (-3584) (-)
 Ion 157.00 (156.70 to 157.70): VU029834.D (-3584) (-)

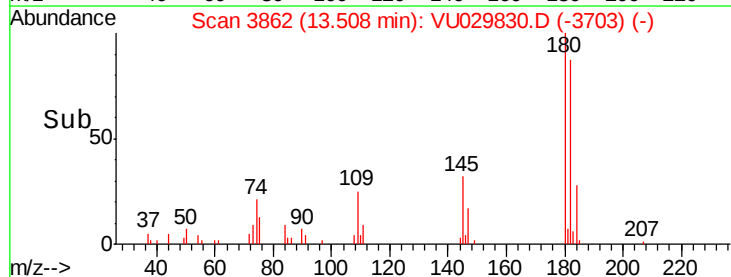
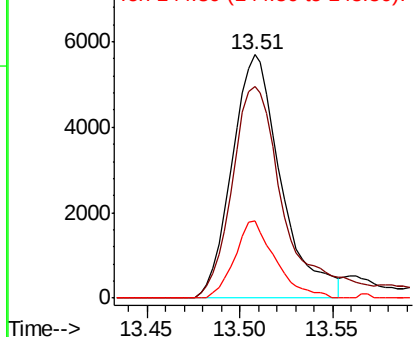


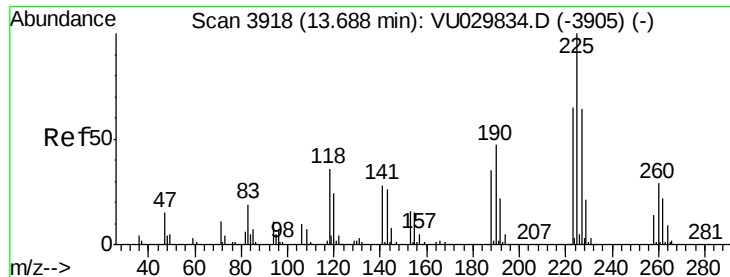
#87
 1,2,4-Trichlorobenzene
 Concen: 0.402 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Tgt Ion: 180 Resp: 10415
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.5 116.3
 145 26.4 23.6 35.4



Abundance Ion 179.70 (179.40 to 180.40): VU029834.D (-3845) (-)
 Ion 181.80 (181.50 to 182.50): VU029834.D (-3845) (-)
 Ion 144.80 (144.50 to 145.50): VU029834.D (-3845) (-)





#88

Hexachlorobutadiene

Concen: 0.476 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029830.D

Acq: 06 Mar 2019 09:26

Instrument :

MSVOA_U

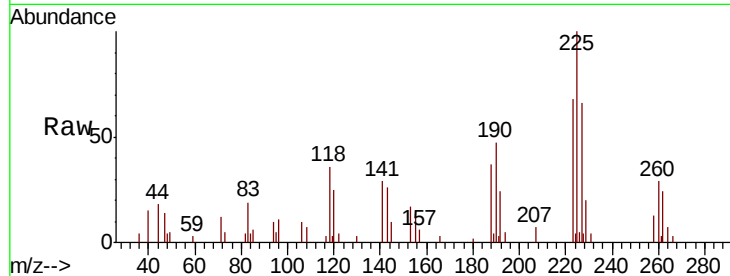
ClientSampleId :

VSTDIC0.5

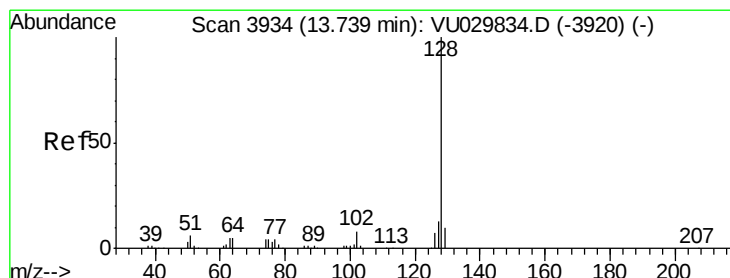
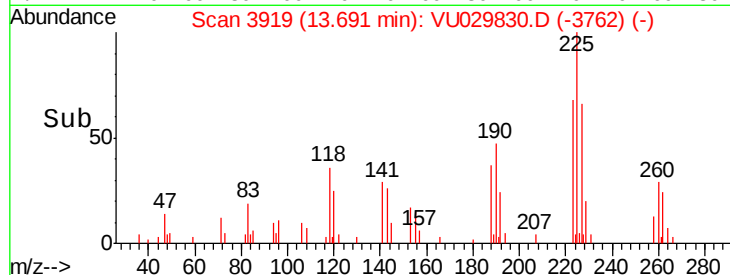
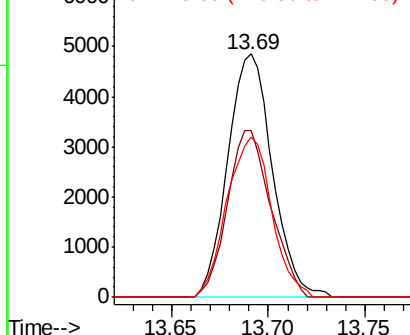
Tgt Ion:	225	Resp:	7772
Ion Ratio	Lower	Upper	
225	100		
223	66.6	51.2	76.8
227	66.3	50.9	76.3

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Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.357 ug/l

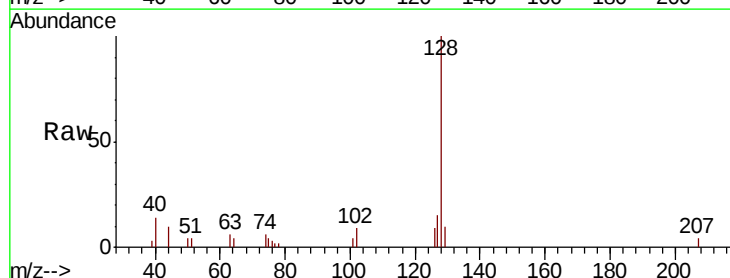
RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

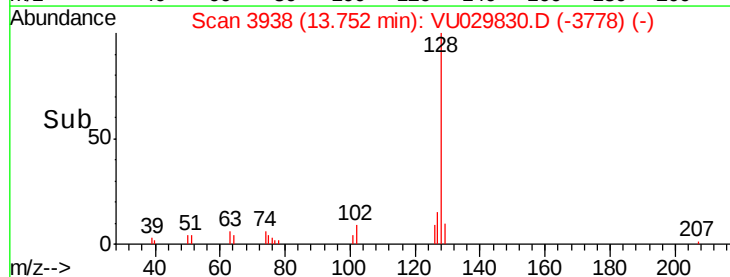
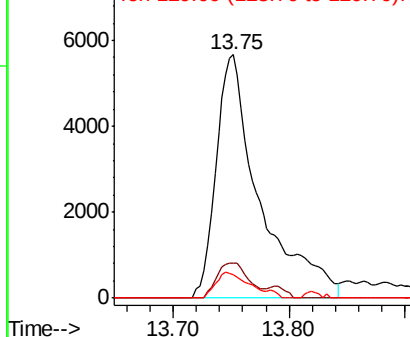
Lab File: VU029830.D

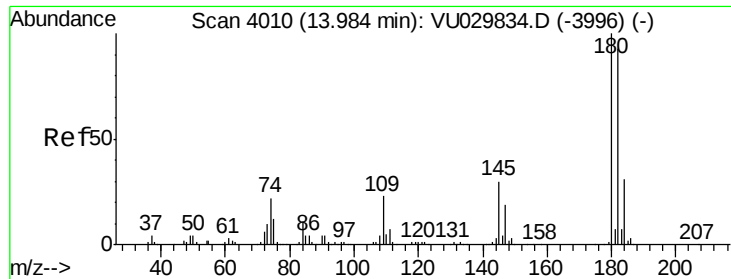
Acq: 06 Mar 2019 09:26

Tgt Ion:	128	Resp:	14786
Ion Ratio	Lower	Upper	
128	100		
127	10.6	10.2	15.4
129	7.6	8.2	12.4#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 0.393 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU029830.D
 Acq: 06 Mar 2019 09:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.5	74.8	112.2
145	31.3	24.6	36.8

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