

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029832.D
 Acq On : 06 Mar 2019 10:20
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 4:49:55 PM

Quant Time: Mar 08 01:28:29 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	63624	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	22618	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25713	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.20	85	41729	1.960	ug/l	100
3) Chloromethane	1.33	50	35647	1.880	ug/l	97
4) Vinyl Chloride	1.40	62	42137	1.976	ug/l	99
5) Bromomethane	1.63	94	29345	2.015	ug/l	96
6) Chloroethane	1.70	64	24840	1.942	ug/l	99
7) Trichlorofluoromethane	1.88	101	57237	1.970	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32710	1.935	ug/l	98
9) 1,1-Dichloroethene	2.28	96	32565	1.968	ug/l	95
10) Iodomethane	2.41	142	23074	1.608	ug/l	97
11) Allyl Chloride	2.59	41	45605	1.960	ug/l	99
12) Acrylonitrile	2.93	53	13868	3.843	ug/l	94
13) Acetone	2.32	43	28974	9.695	ug/l	99
14) Carbon Disulfide	2.47	76	102958	1.921	ug/l	100
15) Methylene Chloride	2.70	84	39071	1.967	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	36775	1.967	ug/l	97
17) 1,1-Dichloroethane	3.44	63	59704	1.909	ug/l	100
18) 2-Butanone	4.28	43	38526	9.485	ug/l	98
19) Cyclohexane	4.98	56	45995m	1.938	ug/l	
20) Methylcyclohexane	6.41	83	54760	1.936	ug/l	99
21) 2,2-Dichloropropane	4.22	77	50172	1.962	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	37894	1.913	ug/l	100
23) Diethyl Ether	2.10	59	24511	1.976	ug/l	99
24) tert-Butyl Alcohol	2.84	59	24008	18.758	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	81790	1.963	ug/l	99
26) Bromochloromethane	4.55	128	17231	1.959	ug/l	99
27) Chloroform	4.67	83	62477	1.973	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	52397	1.951	ug/l	99
29) 1,1-Dichloropropene	5.13	75	46320	1.941	ug/l	100
30) Carbon Tetrachloride	5.13	117	44833	1.914	ug/l	98
31) Isopropyl Ether	3.58	45	82701	1.917	ug/l	95
32) Ethyl-t-butyl ether	4.07	59	80362	1.916	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	75265	1.941	ug/l	98
34) Propionitrile	4.33	54	11522	9.537	ug/l #	95
35) Benzene	5.38	78	139351	1.982	ug/l	99
36) 1,2-Dichloroethane	5.40	62	37469	1.951	ug/l	99
37) Trichloroethene	6.18	130	39881	1.943	ug/l	92
38) 1,2-Dichloropropane	6.43	63	34771	1.954	ug/l	100
39) Methacrylonitrile	4.55	41	9665	1.902	ug/l	95
40) Methyl acrylate	4.43	55	15417	1.919	ug/l #	96
41) Tetrahydrofuran	4.66	42	10459	3.935	ug/l	97
42) 1-Chlorobutane	5.06	56	58373	1.915	ug/l	100

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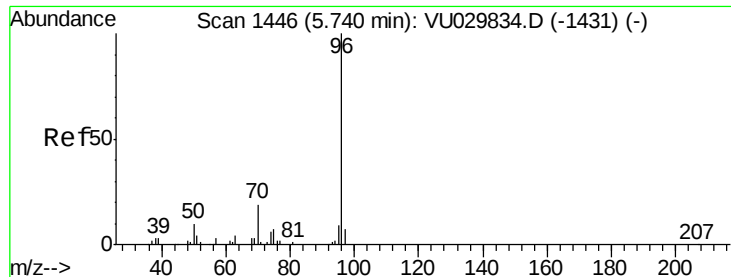
Manual Integrations
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Quant Time: Mar 08 01:28:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	17936	1.945	ug/l	97
44) Bromodichloromethane	6.75	83	43530	1.922	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	90718	9.431	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	13168m	3.145	ug/l	
47) Methyl methacrylate	6.63	69	31530	3.984	ug/l	95
48) Ethyl methacrylate	8.02	69	28576	1.884	ug/l	98
49) Toluene	7.63	92	82924	1.921	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	36725	1.850	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	47726	1.942	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	26574	1.947	ug/l	99
53) 1,3-Dichloropropane	8.24	76	42076	1.879	ug/l	99
54) 2-Hexanone	8.37	43	60545	9.063	ug/l	98
55) Dibromochloromethane	8.48	129	30308	1.871	ug/l	98
56) 1,2-Dibromoethane	8.58	107	25203	1.947	ug/l	99
58) Tetrachloroethene	8.22	164	41984	2.002	ug/l	94
59) Chlorobenzene	9.12	112	93404	1.882	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	34589	1.943	ug/l	99
61) Pentachloroethane	11.10	117	24166	1.950	ug/l	93
62) Hexachloroethane	12.14	117	23387	1.794	ug/l	98
63) Ethyl Benzene	9.25	91	151966	1.870	ug/l	100
64) m/p-Xylenes	9.37	106	122134	3.801	ug/l	99
65) o-Xylene	9.78	106	59379	1.924	ug/l	99
66) Styrene	9.79	104	94151	1.836	ug/l	99
67) Bromoform	9.95	173	17812	1.872	ug/l	98
69) Isopropylbenzene	10.16	105	154359	1.886	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	31674	1.902	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	23997m	1.990	ug/l	
72) Bromobenzene	10.45	156	41189	1.902	ug/l	98
73) n-propylbenzene	10.58	120	44137	1.919	ug/l	96
74) 2-Chlorotoluene	10.66	126	39506	1.936	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	131032	1.901	ug/l	99
76) 4-Chlorotoluene	10.77	126	39075	1.878	ug/l	97
77) tert-Butylbenzene	11.10	119	127785	1.873	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	130701	1.876	ug/l	100
79) sec-Butylbenzene	11.32	105	172167	1.905	ug/l	99
80) Nitrobenzene	12.88	77	1794m	5.645	ug/l	
81) p-Isopropyltoluene	11.47	119	142990	1.889	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	81308	1.895	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	79195	1.889	ug/l	100
84) n-Butylbenzene	11.89	91	129889	1.884	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	76699	1.896	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4358	1.833	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	48365	1.867	ug/l	98
88) Hexachlorobutadiene	13.69	225	30361	1.861	ug/l	99
89) Naphthalene	13.74	128	72601	1.753	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	45814	1.883	ug/l	97

(#) = 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: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

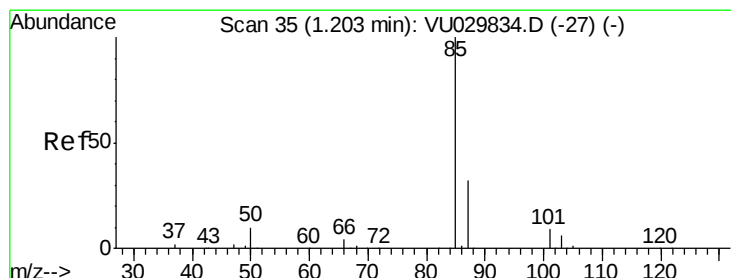
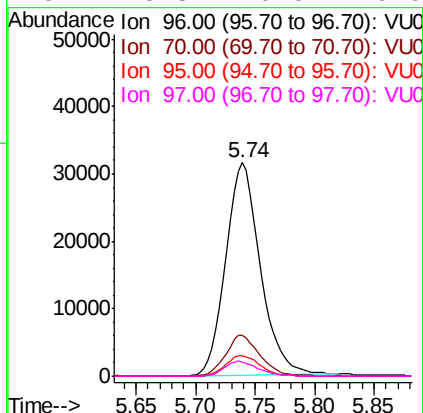
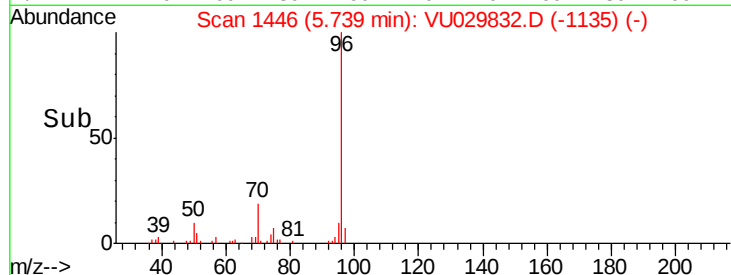
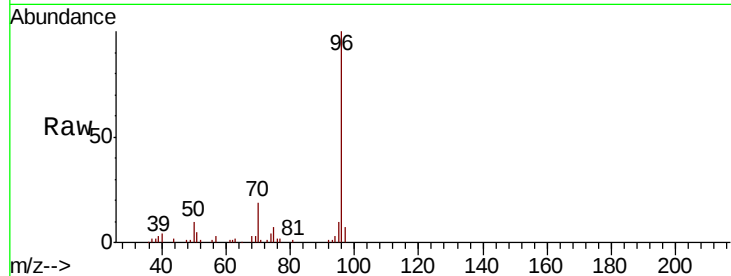
ClientSampleId :

VSTDIC002

Tgt Ion:	96	Resp:	63624
Ion	Ratio	Lower	Upper
96	100		
70	19.3	14.4	21.6
95	9.7	7.0	10.6
97	6.8	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.960 ug/l

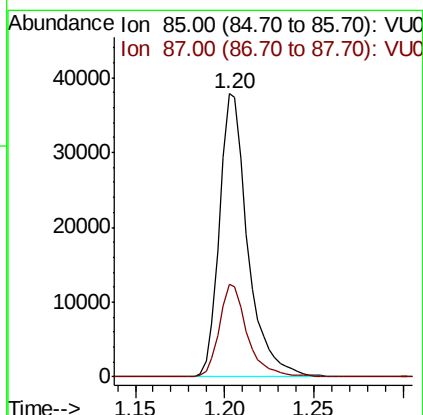
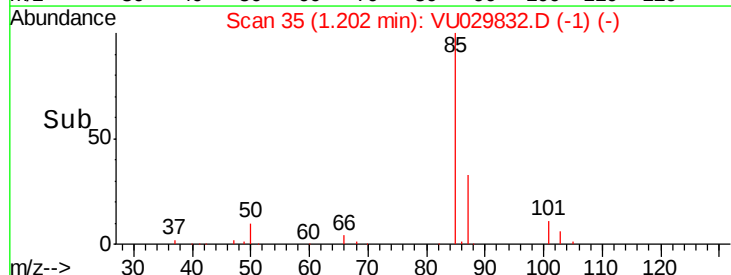
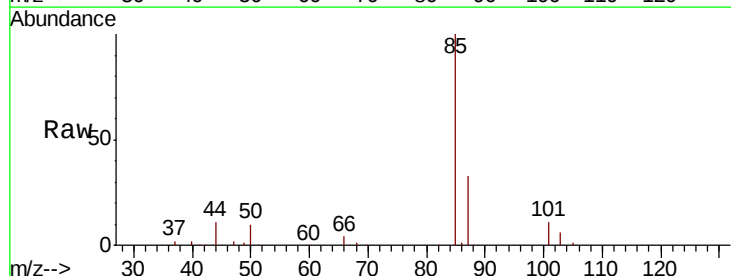
RT: 1.20 min Scan# 35

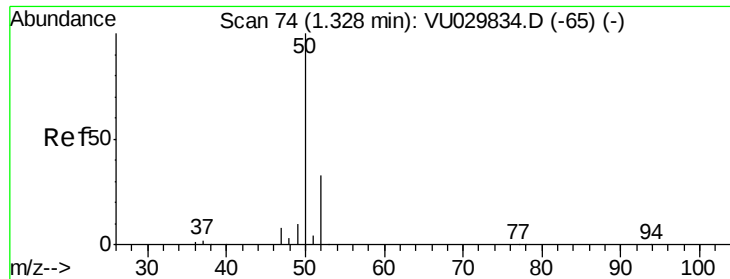
Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Tgt Ion:	85	Resp:	41729
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.2	48.6





#3

Chloromethane

Concen: 1.880 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 50 Resp: 35647

Ion Ratio Lower Upper

50 100

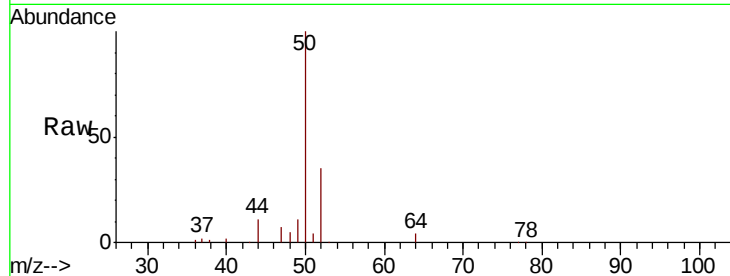
52 35.0 26.5 39.7

Manual Integrations

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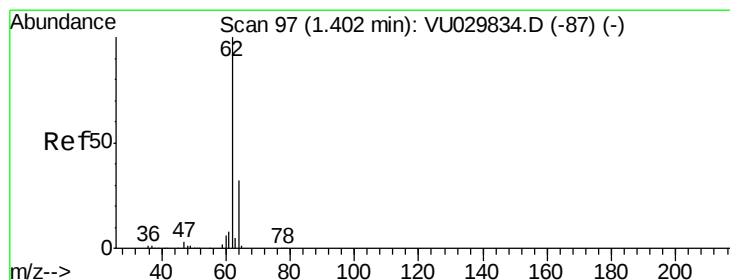
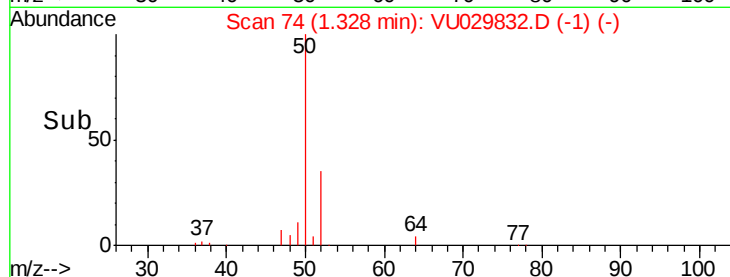
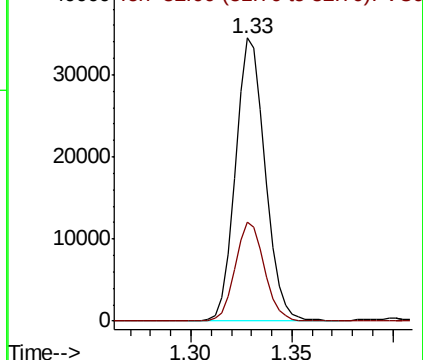
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.976 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029832.D

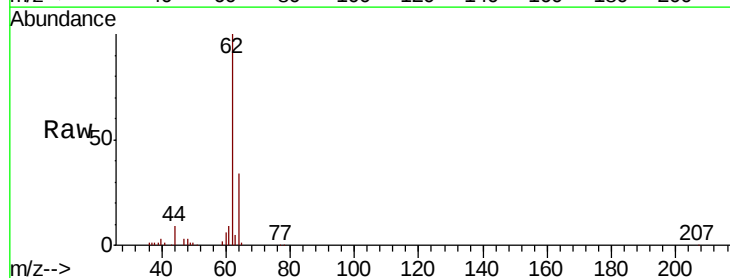
Acq: 06 Mar 2019 10:20

Tgt Ion: 62 Resp: 42137

Ion Ratio Lower Upper

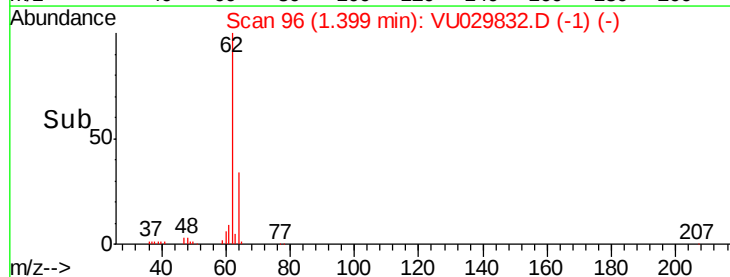
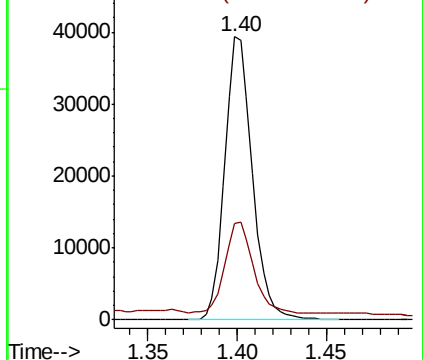
62 100

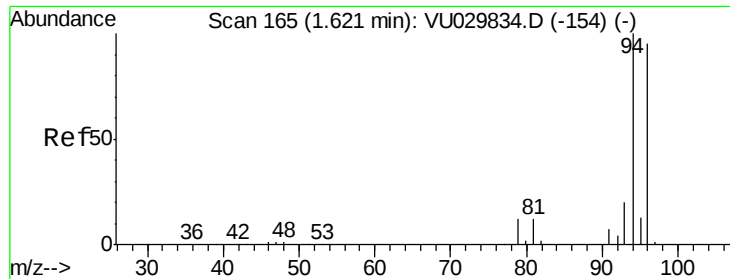
64 31.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.015 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tgt Ion: 94 Resp: 29345

Ion Ratio Lower Upper

94 100

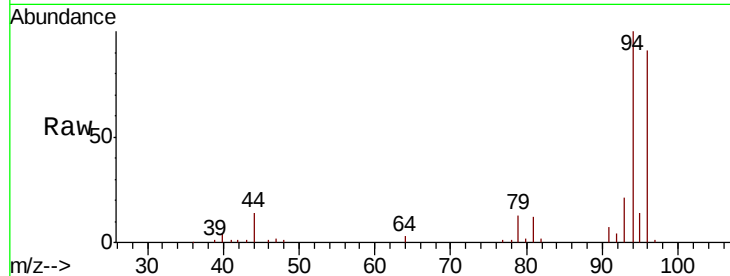
96 91.3 76.4 114.6

Manual Integrations

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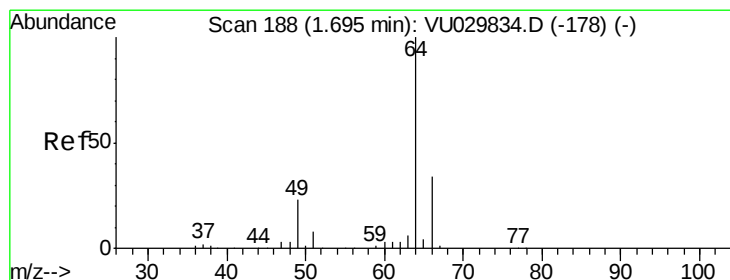
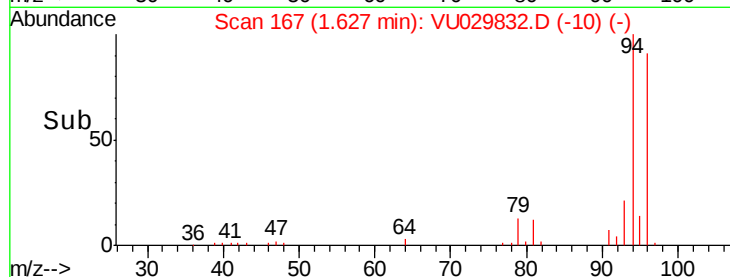
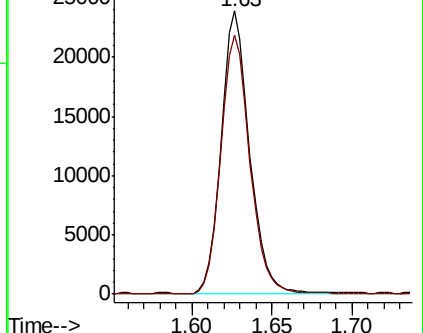
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Abundance Ion 94.00 (93.70 to 94.70): VU029834.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU029834.D (-154) (-)



#6

Chloroethane

Concen: 1.942 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029832.D

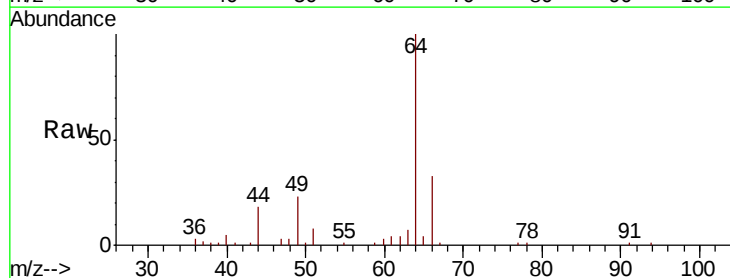
Acq: 06 Mar 2019 10:20

Tgt Ion: 64 Resp: 24840

Ion Ratio Lower Upper

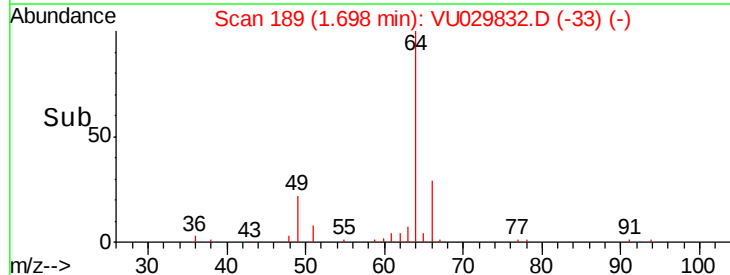
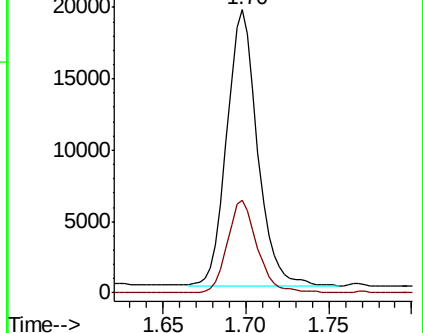
64 100

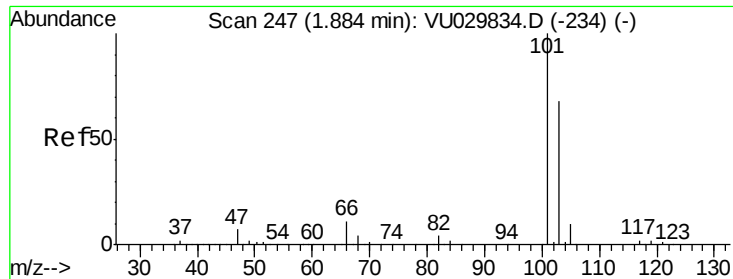
66 33.7 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU029834.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU029834.D (-178) (-)





#7

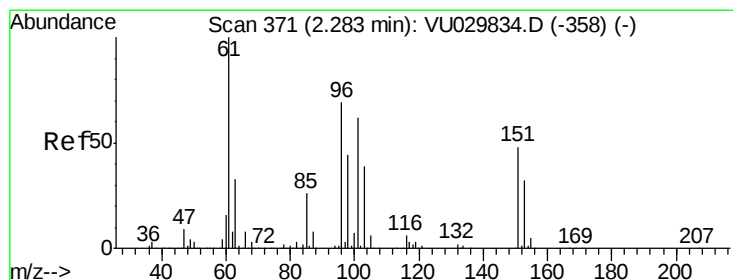
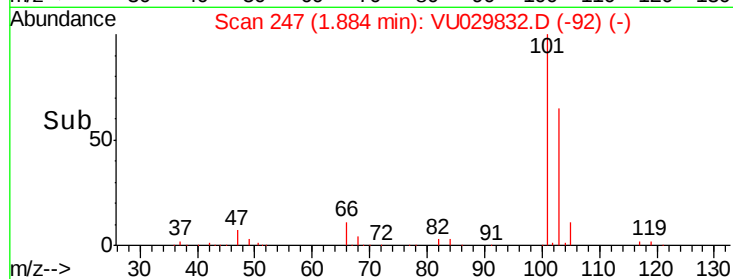
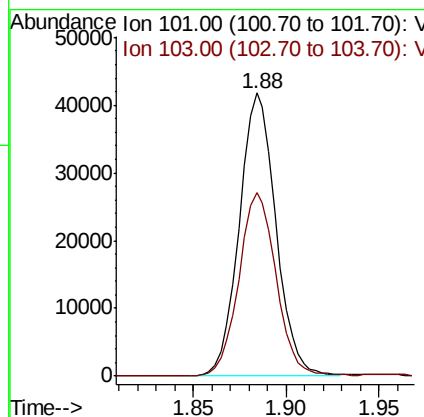
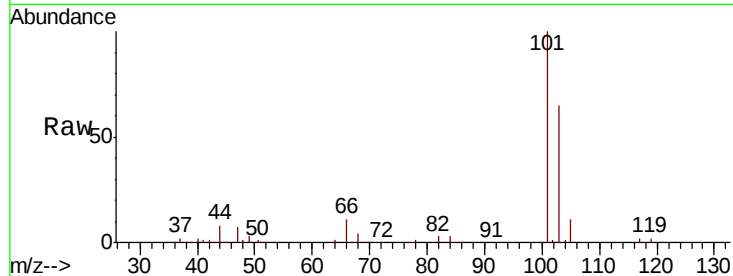
Trichlorofluoromethane
 Concen: 1.970 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

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 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.8	54.2	81.2

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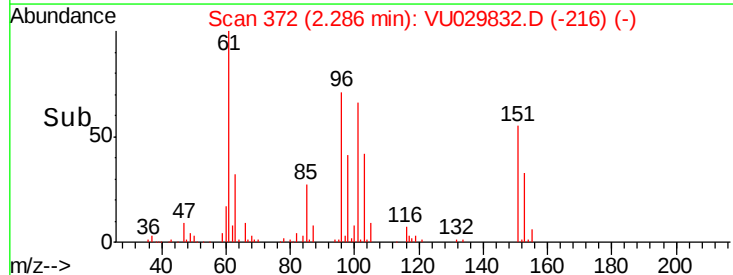
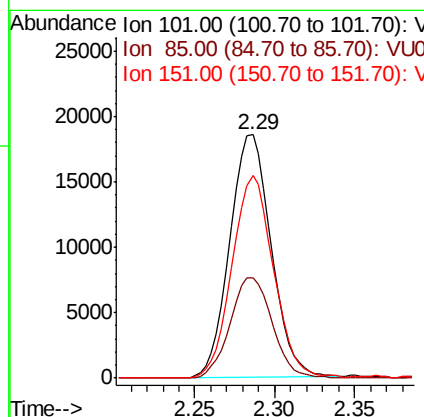
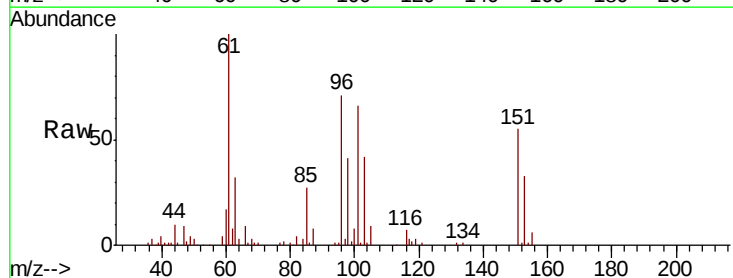
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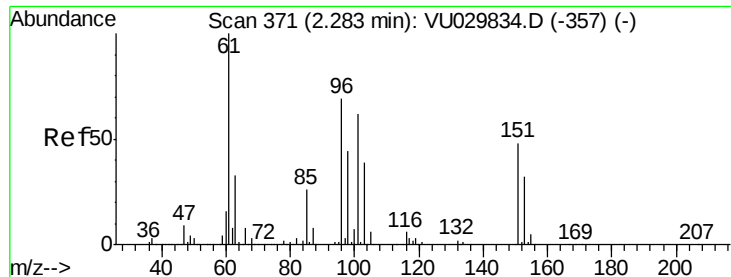


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.935 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.0	33.4	50.0
151	83.8	64.6	97.0





#9

1,1-Dichloroethene

Concen: 1.968 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

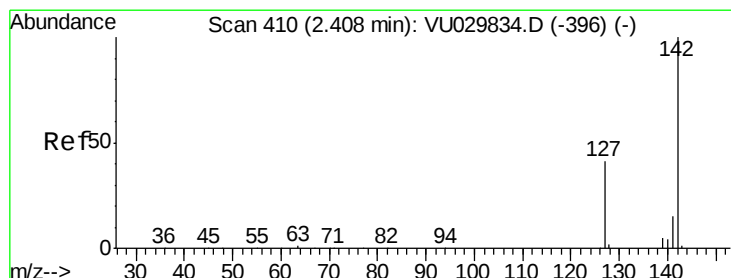
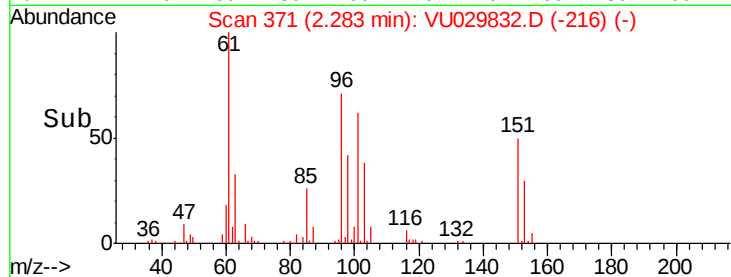
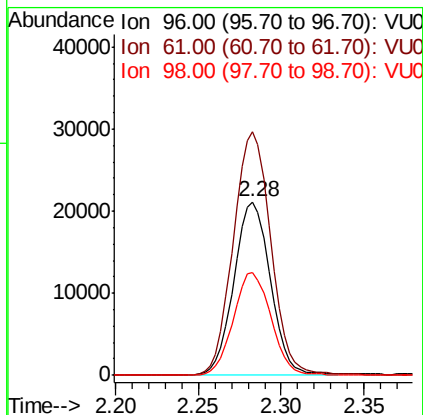
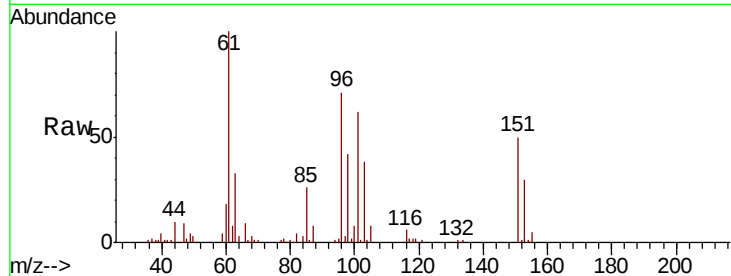
ClientSampleId :

VSTDIC002

Tgt Ion:	96	Resp:	32565
Ion Ratio	Lower	Upper	
96	100		
61	140.5	0.0	435.3
98	59.3	0.0	128.6

Manual Integrations
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#10

Iodomethane

Concen: 1.608 ug/l

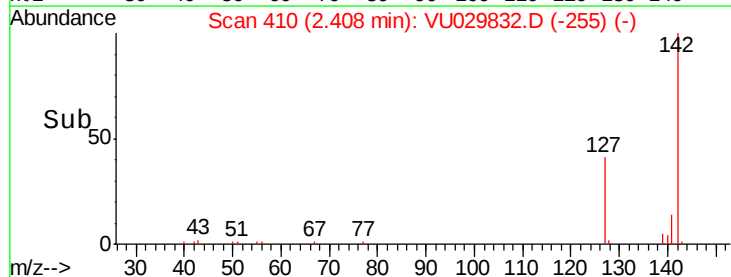
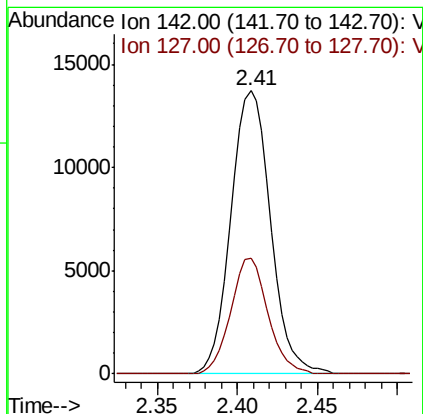
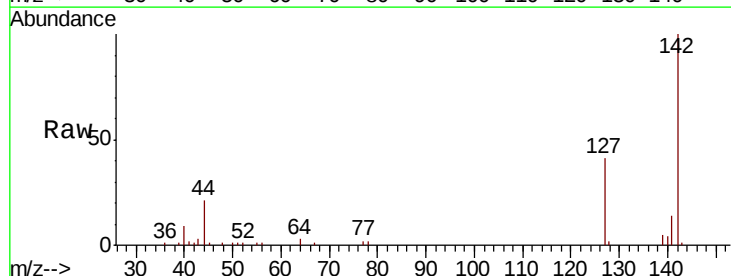
RT: 2.41 min Scan# 410

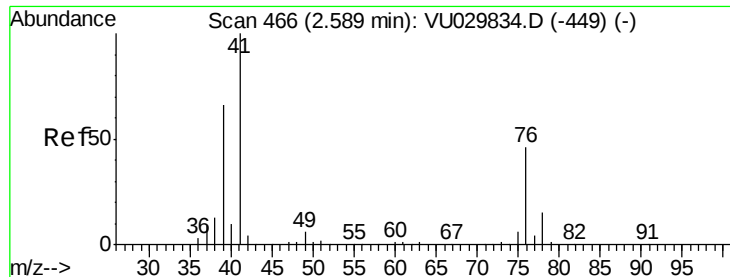
Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Tgt Ion:	142	Resp:	23074
Ion Ratio	Lower	Upper	
142	100		
127	38.3	32.3	48.5





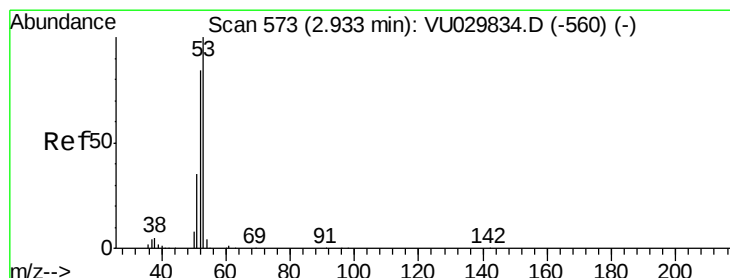
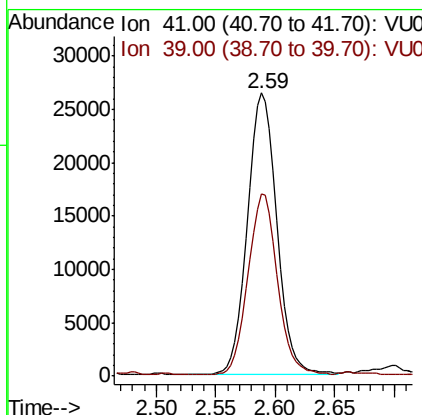
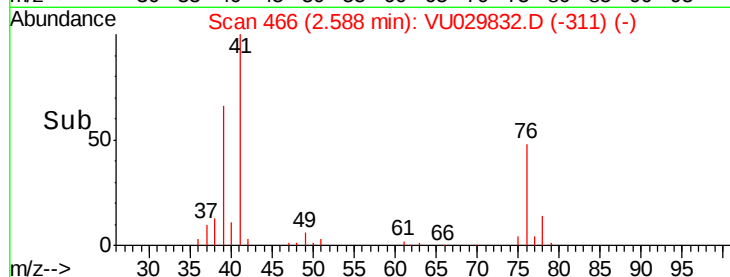
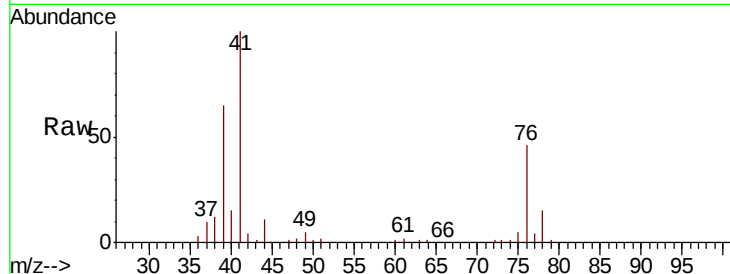
#11
 Allyl Chloride
 Concen: 1.960 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion: 41 Resp: 45605
 Ion Ratio Lower Upper
 41 100
 39 64.0 51.6 77.4

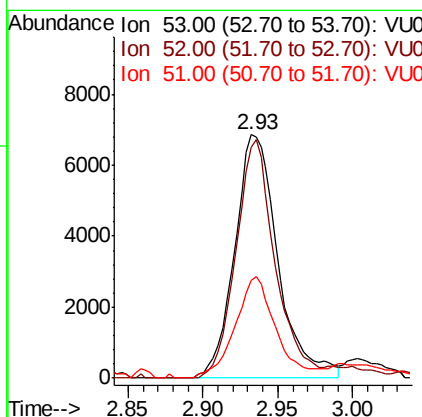
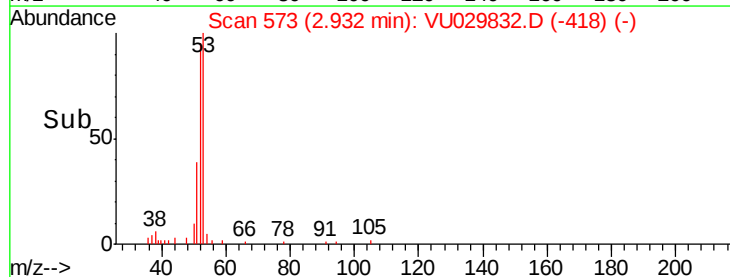
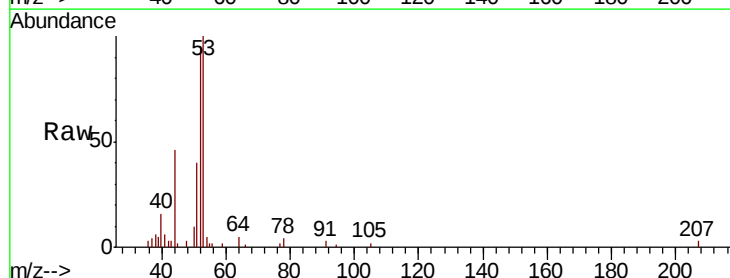
Manual Integrations
 APPROVED

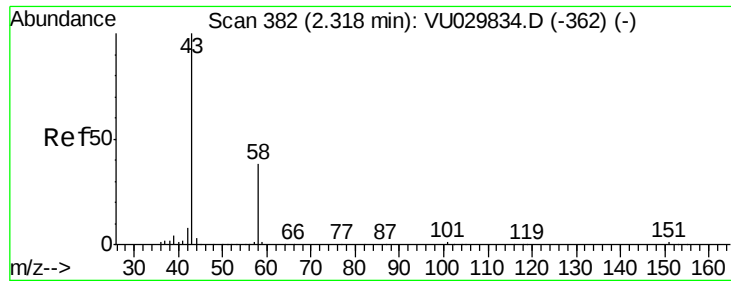
MMDadoda
 3/11/2019 4:49:55 PM



#12
 Acrylonitrile
 Concen: 3.843 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion: 53 Resp: 13868
 Ion Ratio Lower Upper
 53 100
 52 88.1 66.5 99.7
 51 39.0 28.6 42.8





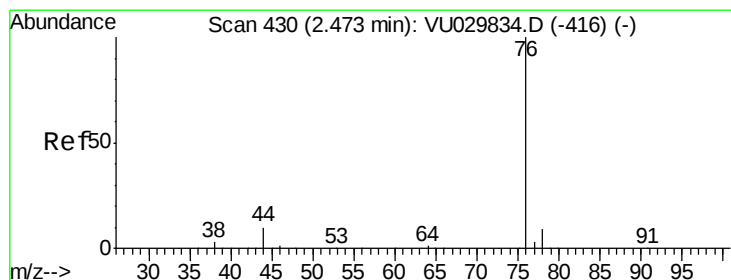
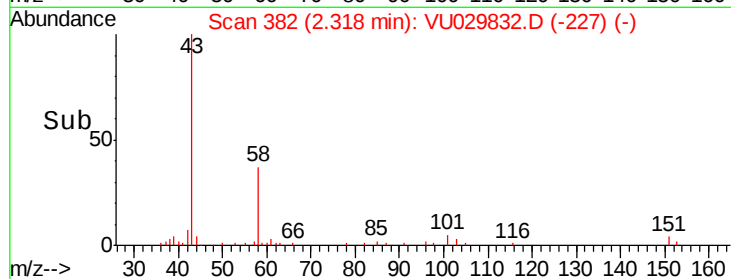
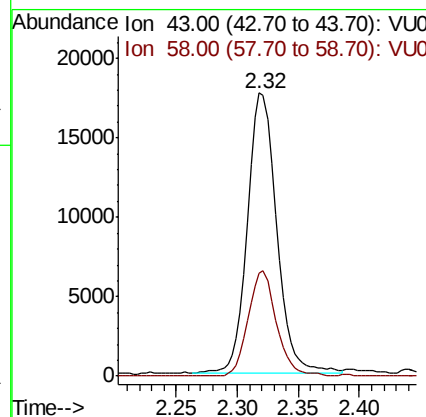
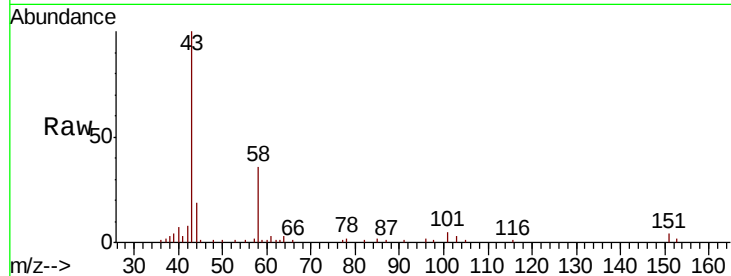
#13
Acetone
Concen: 9.695 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 28974
Ion Ratio Lower Upper
43 100
58 36.8 30.2 45.2

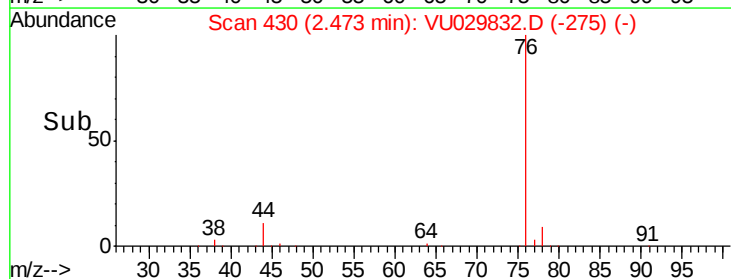
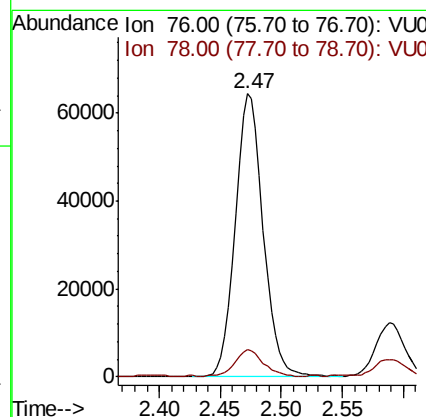
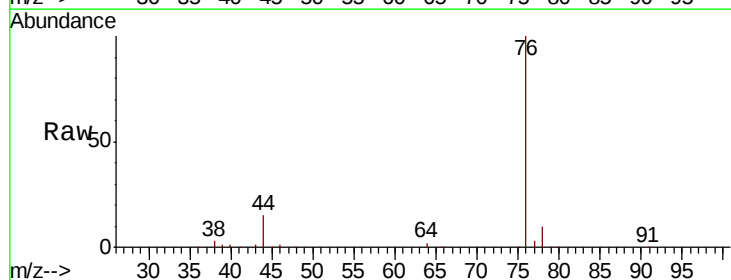
Manual Integrations
APPROVED

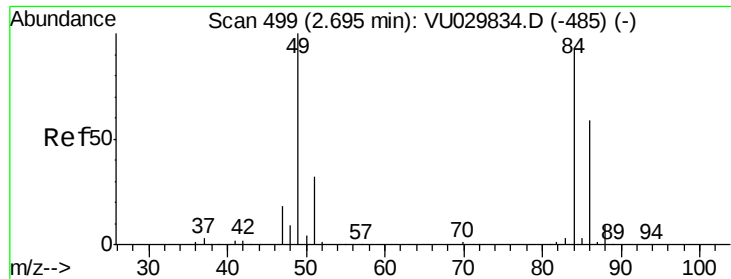
MMDadoda
3/11/2019 4:49:55 PM



#14
Carbon Disulfide
Concen: 1.921 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion: 76 Resp: 102958
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





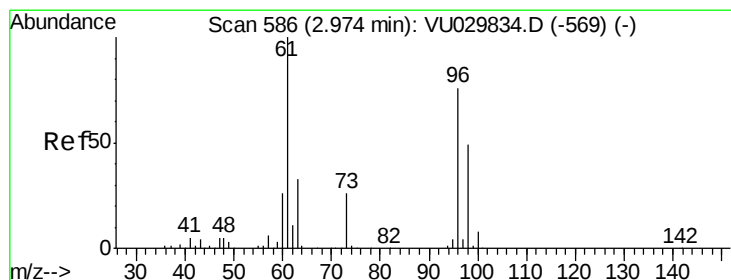
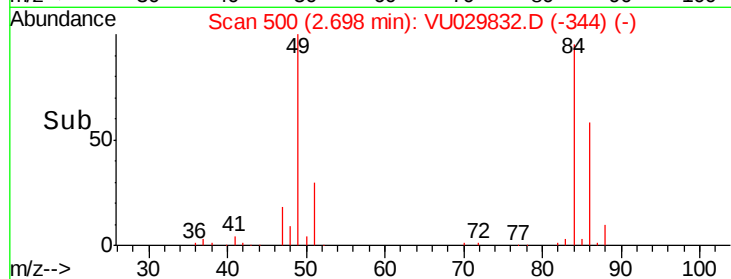
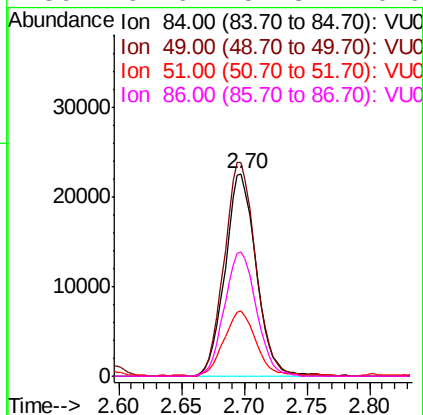
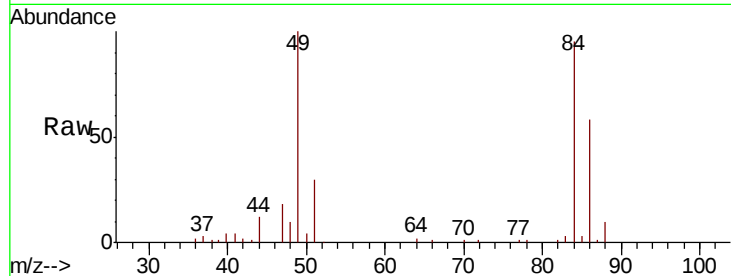
#15
Methylene Chloride
Concen: 1.967 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:	84	Resp:	39071
Ion	Ratio	Lower	Upper
84	100		
49	105.3	87.2	130.8
51	32.1	0.0	69.0
86	61.6	51.3	76.9

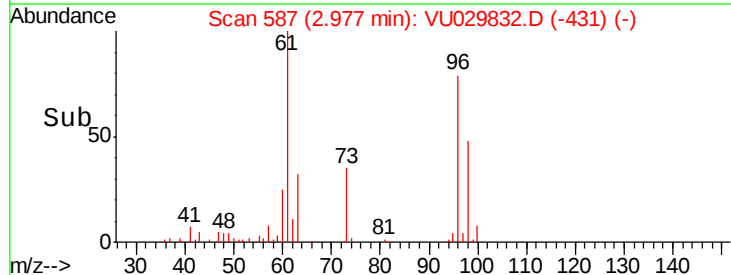
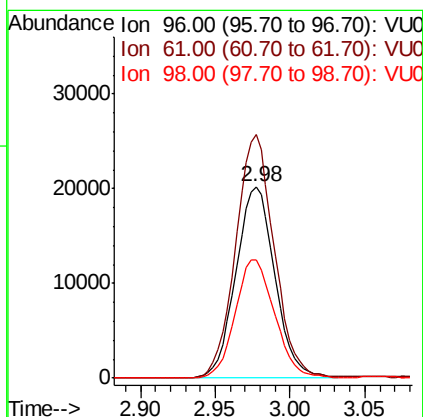
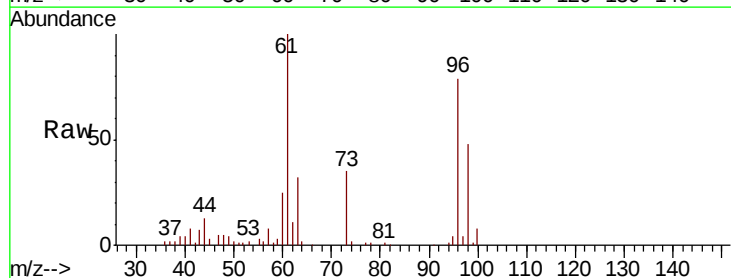
Manual Integrations
APPROVED

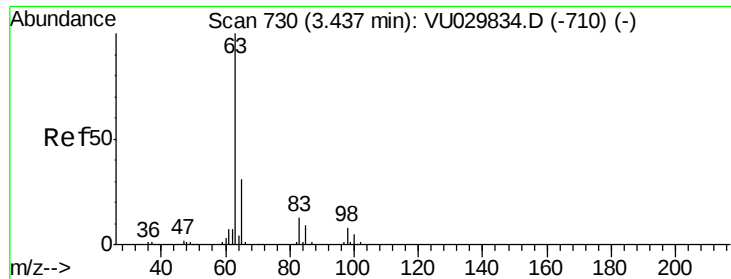
MMDadoda
3/11/2019 4:49:55 PM



#16
trans-1,2-Dichloroethene
Concen: 1.967 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion:	96	Resp:	36775
Ion	Ratio	Lower	Upper
96	100		
61	127.4	104.7	157.1
98	61.7	50.9	76.3





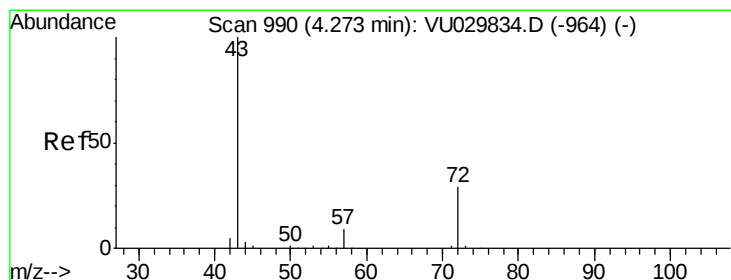
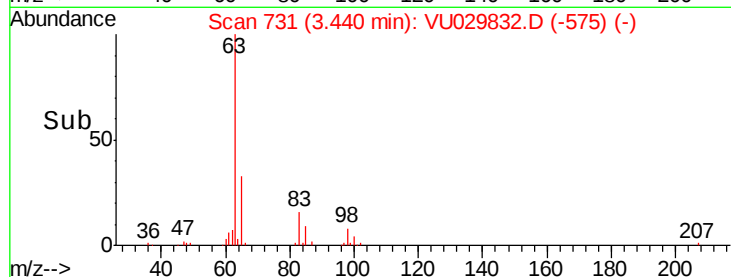
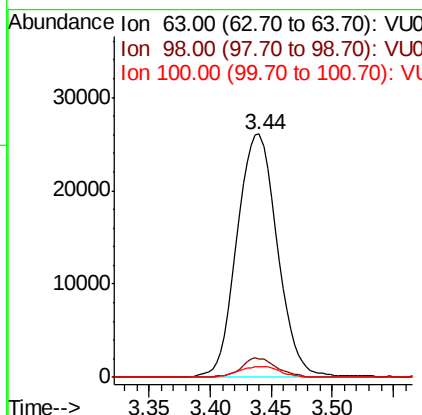
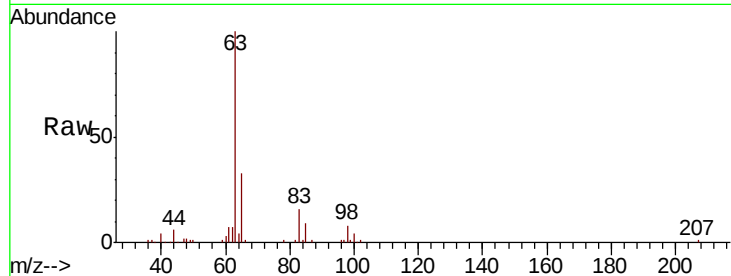
#17
 1,1-Dichloroethane
 Concen: 1.909 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion:	63	Resp:	59704
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.4
100	4.4	2.4	7.1

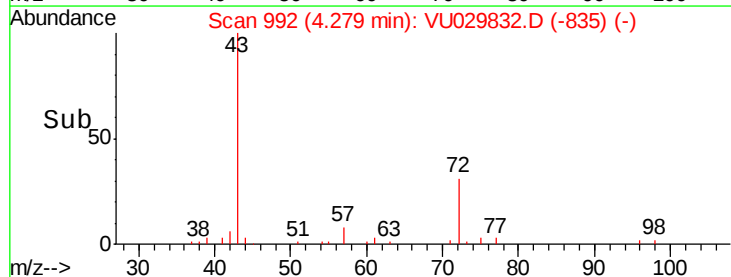
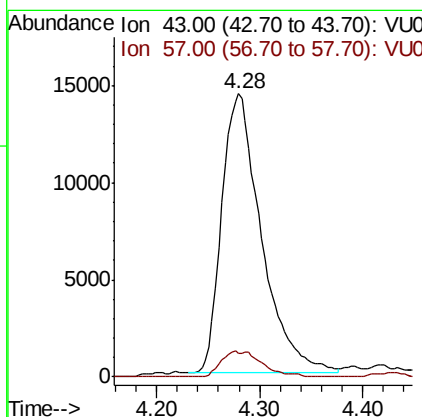
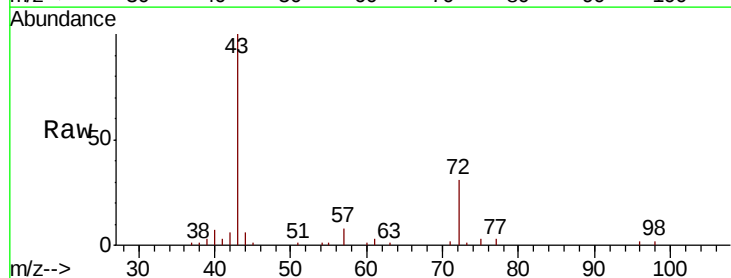
Manual Integrations
 APPROVED

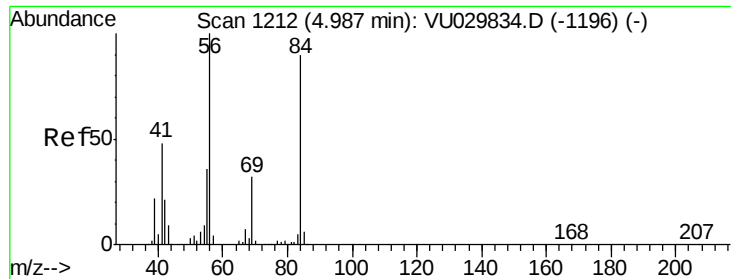
MMDadoda
 3/11/2019 4:49:55 PM



#18
 2-Butanone
 Concen: 9.485 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion:	43	Resp:	38526
Ion	Ratio	Lower	Upper
43	100		
57	8.5	0.0	18.6





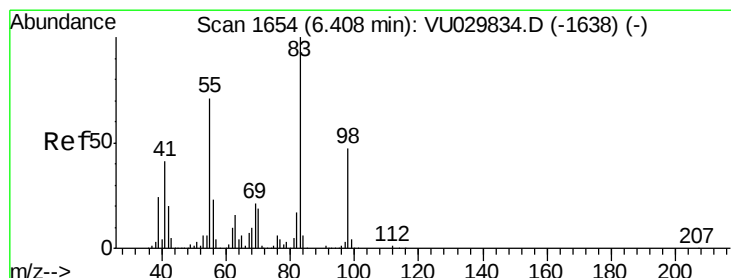
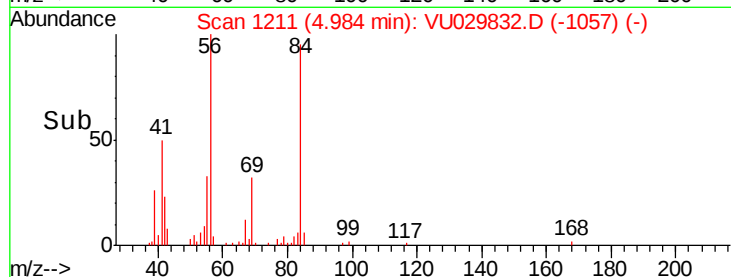
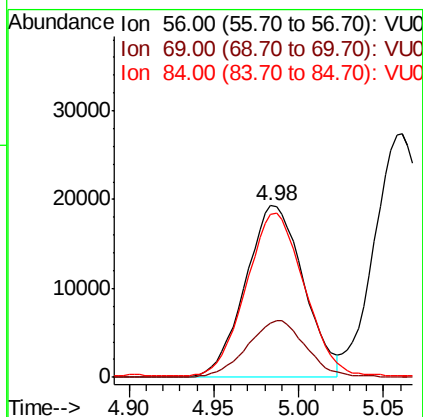
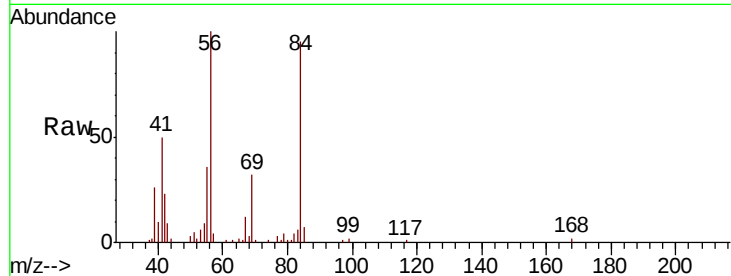
#19
Cyclohexane
Concen: 1.938 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.4	29.4	44.2
84	96.2	84.6	127.0

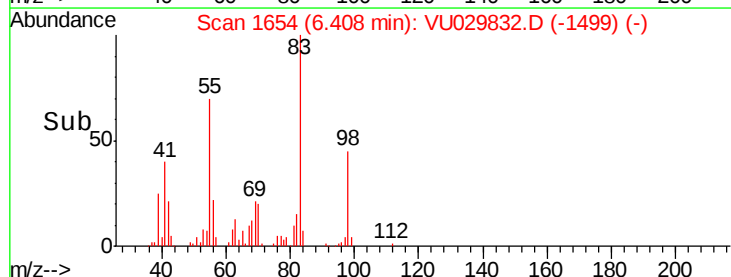
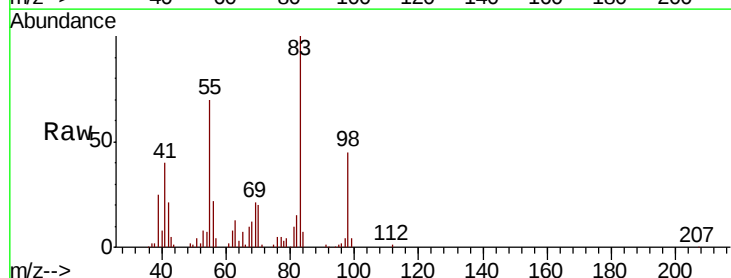
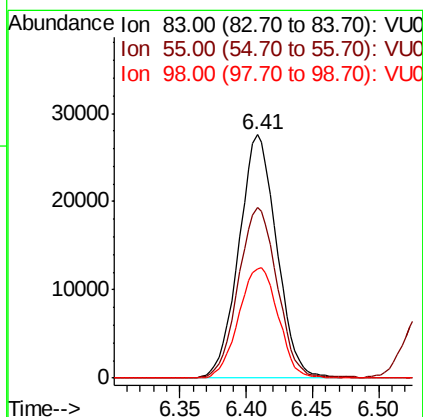
Manual Integrations
APPROVED

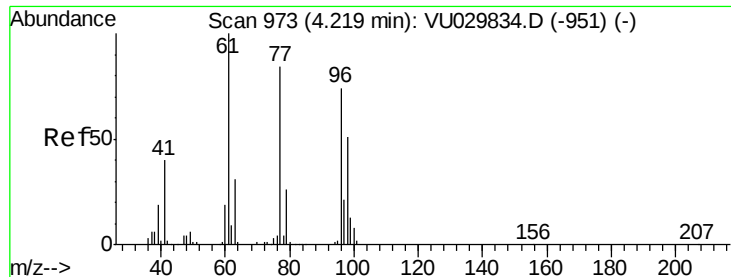
MMDadoda
3/11/2019 4:49:55 PM



#20
Methylcyclohexane
Concen: 1.936 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.0	55.9	83.9
98	47.2	37.0	55.4





#21

2,2-Dichloropropane

Concen: 1.962 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 77 Resp: 50172

Ion Ratio Lower Upper

77 100

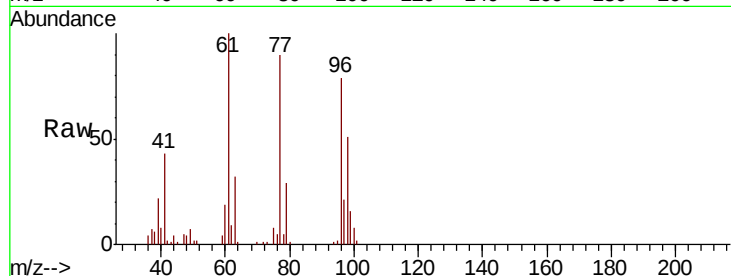
97 23.8 20.2 30.2

Manual Integrations

APPROVED

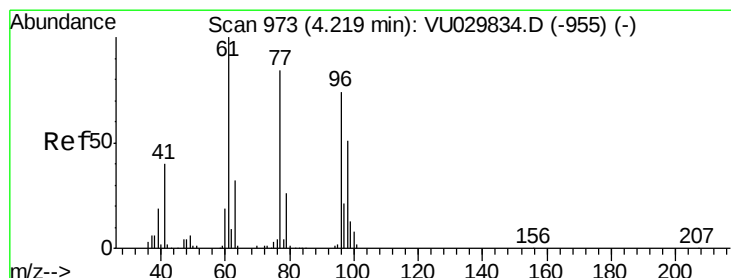
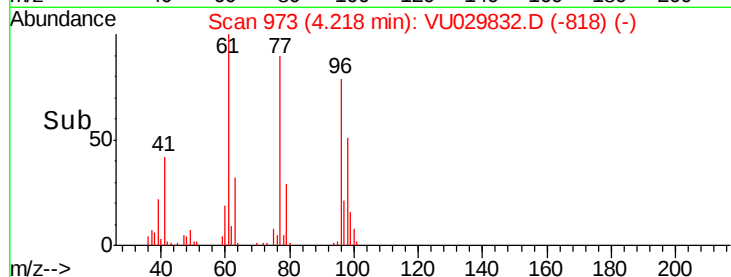
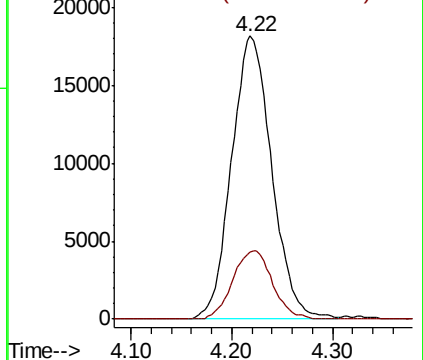
MMDadoda

3/11/2019 4:49:55 PM



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.913 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

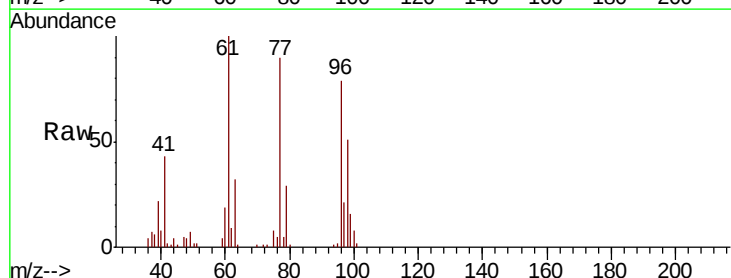
Tgt Ion: 96 Resp: 37894

Ion Ratio Lower Upper

96 100

61 135.6 0.0 339.0

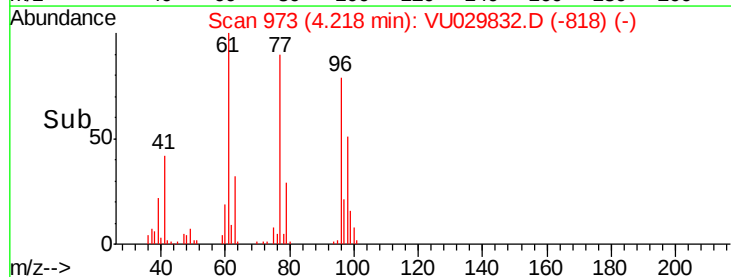
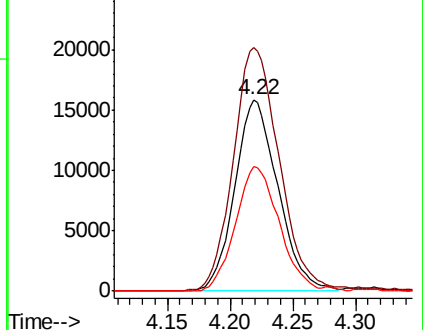
98 65.5 33.1 99.5

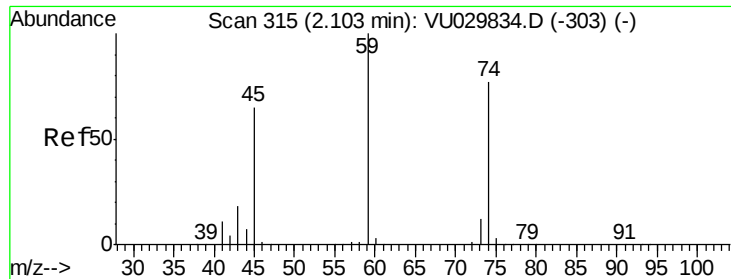


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





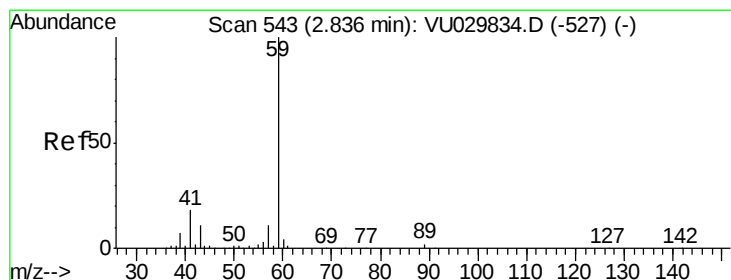
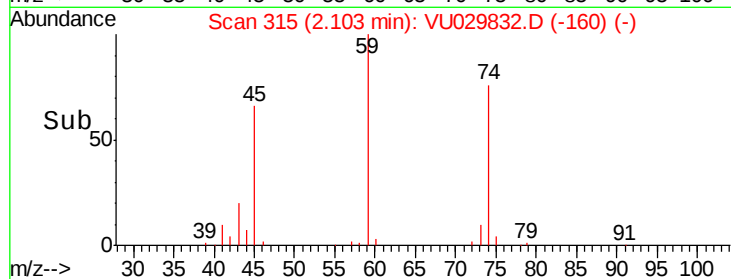
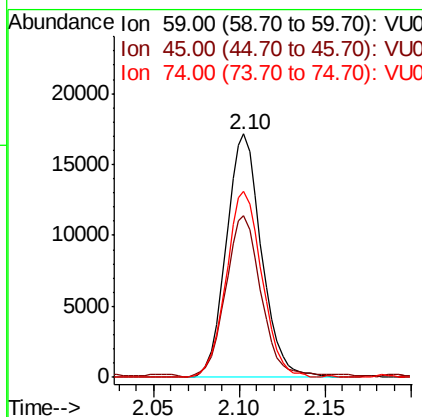
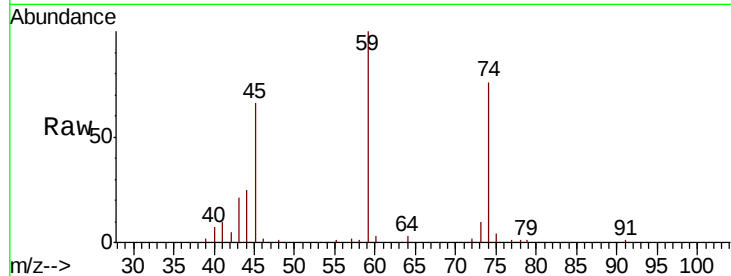
#23
Diethyl Ether
Concen: 1.976 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Lower	Upper
59	100		
45	67.5	52.7	79.1
74	77.6	61.8	92.6

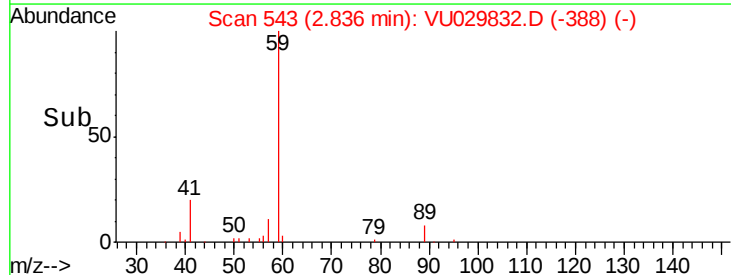
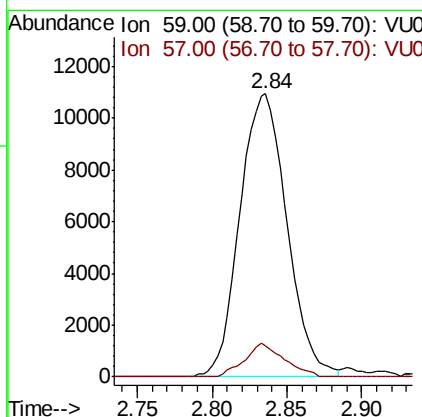
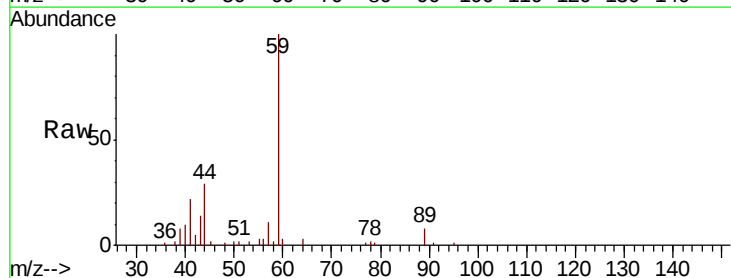
Manual Integrations
APPROVED

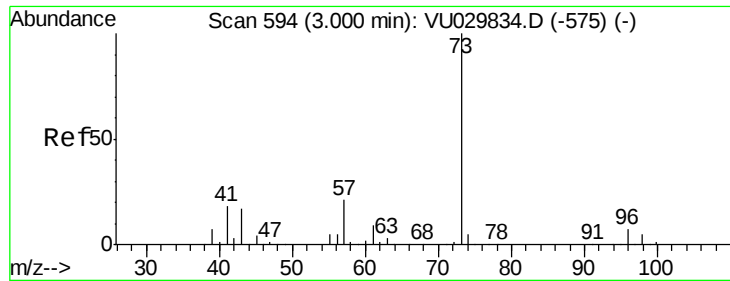
MMDadoda
3/11/2019 4:49:55 PM



#24
tert-Butyl Alcohol
Concen: 18.758 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7





#25

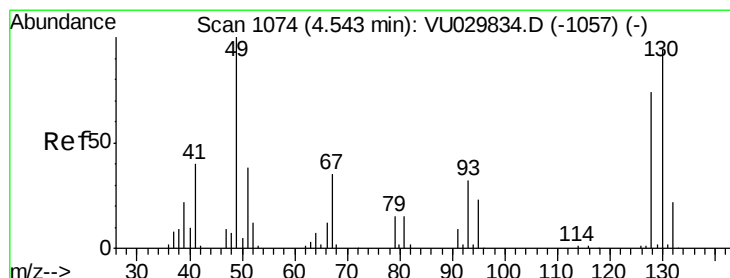
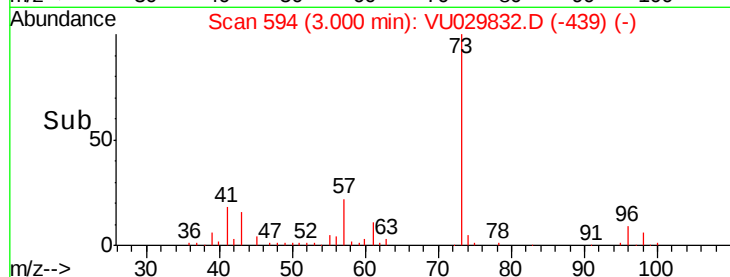
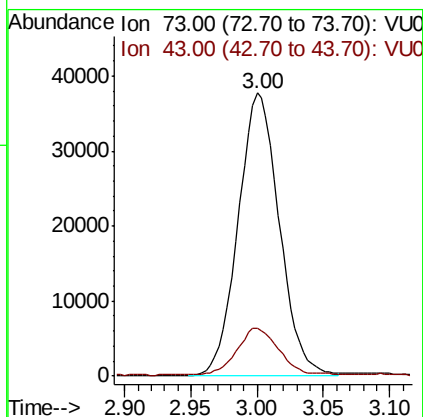
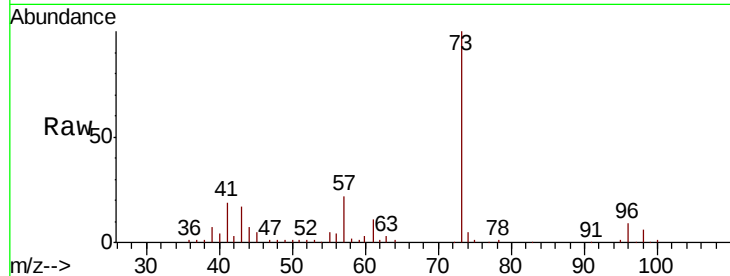
Methyl tert-Butyl Ether
Concen: 1.963 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 73 Resp: 81790
Ion Ratio Lower Upper
73 100
43 17.0 13.1 19.7

Manual Integrations
APPROVED

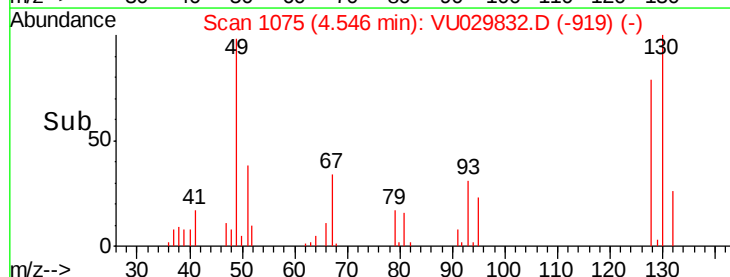
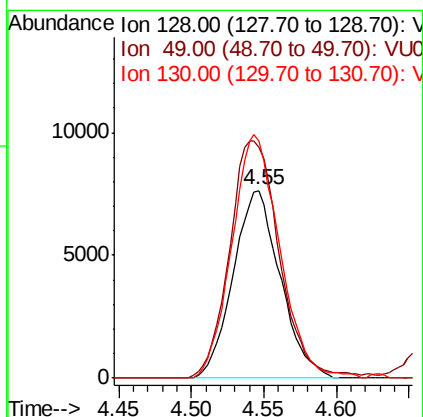
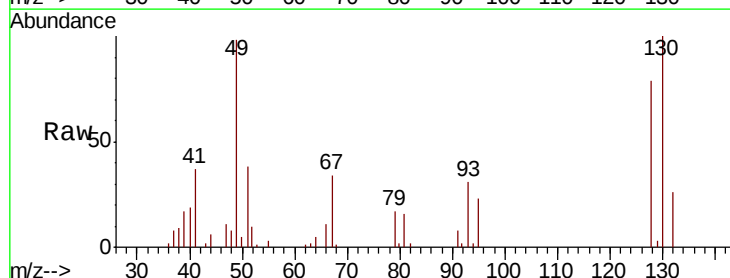
MMDadoda
3/11/2019 4:49:55 PM

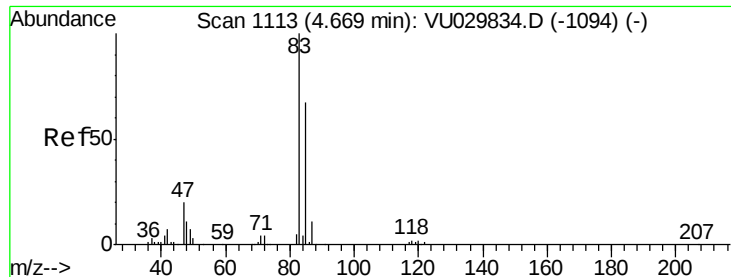


#26

Bromochloromethane
Concen: 1.959 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion: 128 Resp: 17231
Ion Ratio Lower Upper
128 100
49 134.0 0.0 270.6
130 132.0 104.2 156.4





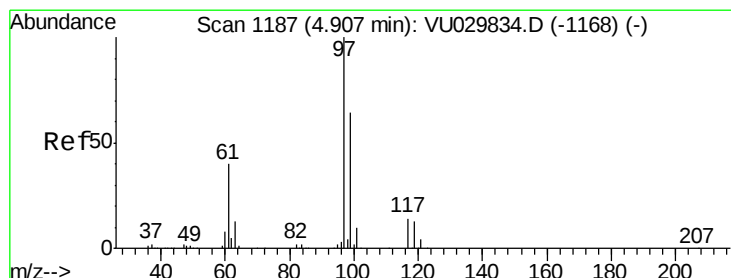
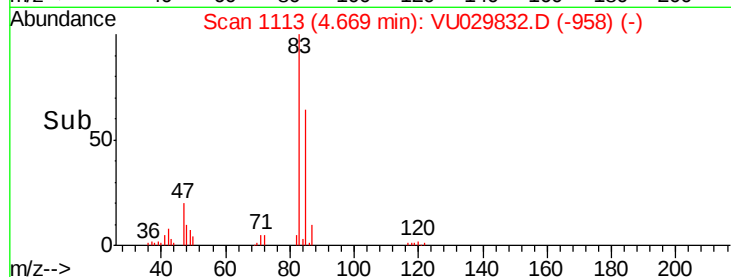
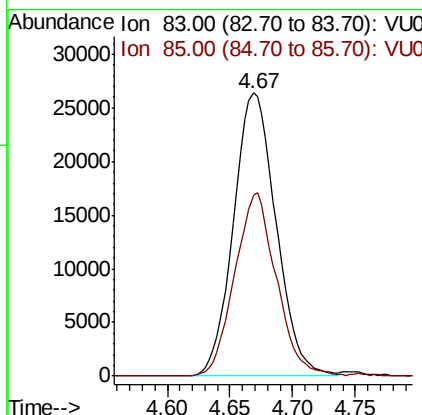
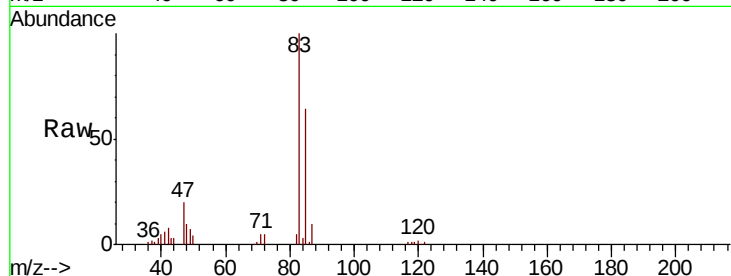
#27
Chloroform
Concen: 1.973 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	0.0	133.2

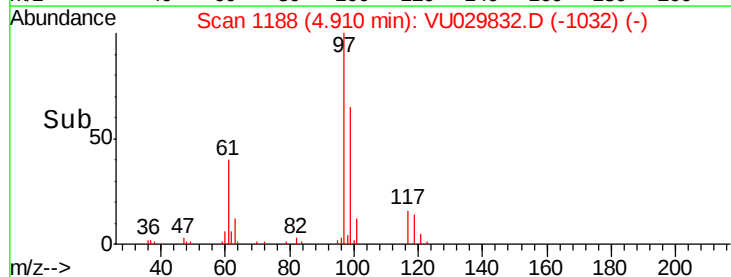
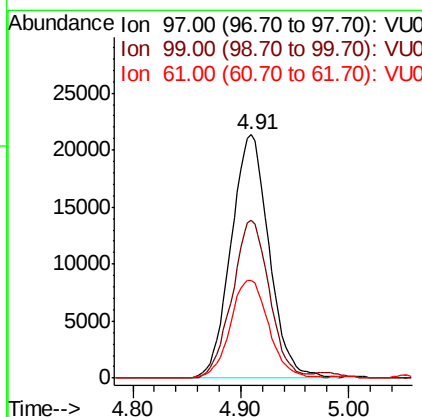
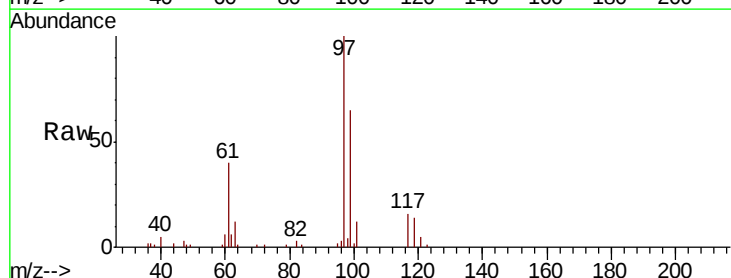
Manual Integrations
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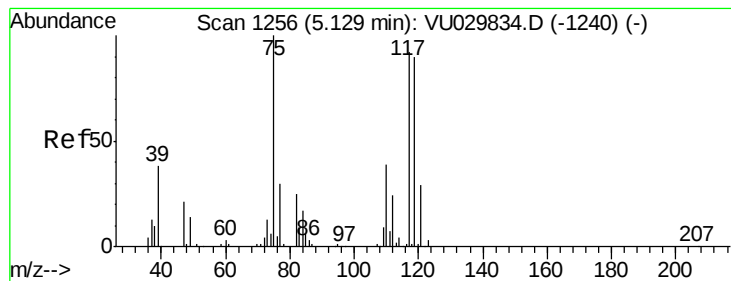
MMDadoda
3/11/2019 4:49:55 PM



#28
1,1,1-Trichloroethane
Concen: 1.951 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	31.9	95.9
61	40.6	20.4	61.3





#29

1,1-Dichloropropene

Concen: 1.941 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

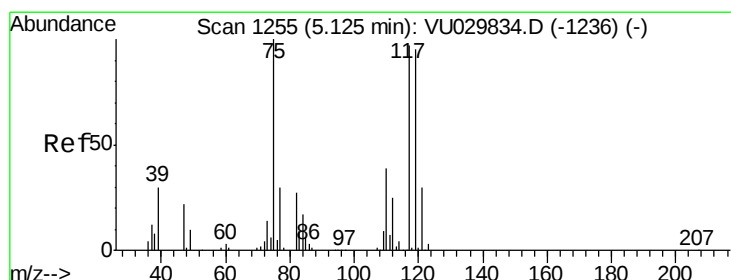
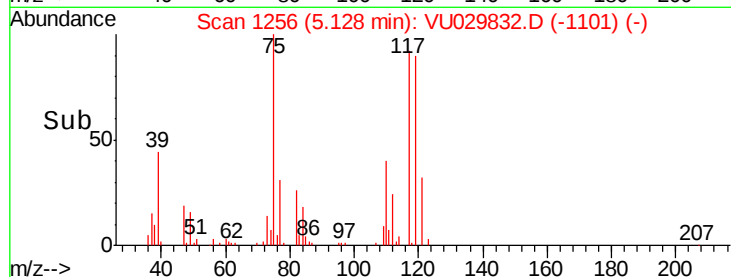
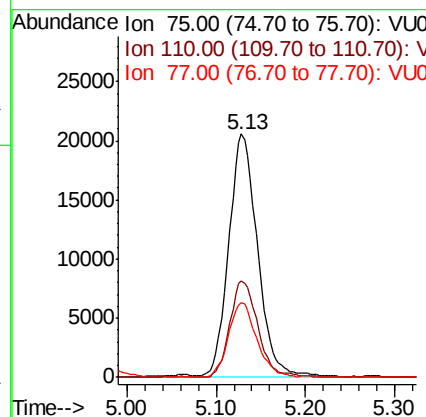
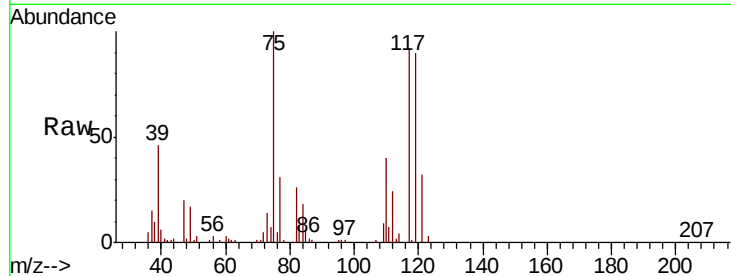
ClientSampleId :

VSTDIC002

Tgt Ion:	75	Resp:	46320
Ion Ratio	Lower	Upper	
75	100		
110	38.4	19.1	57.5
77	29.9	23.9	35.9

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3/11/2019 4:49:55 PM



#30

Carbon Tetrachloride

Concen: 1.914 ug/l

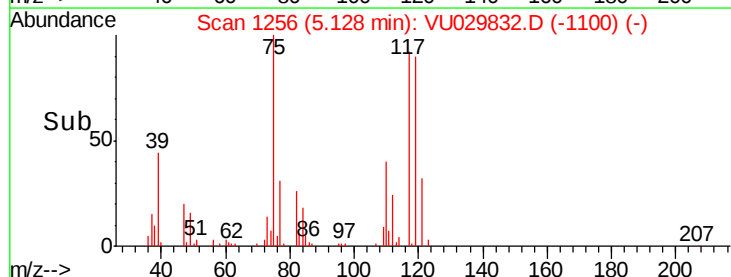
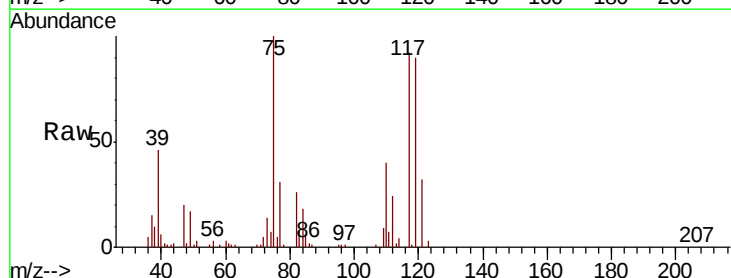
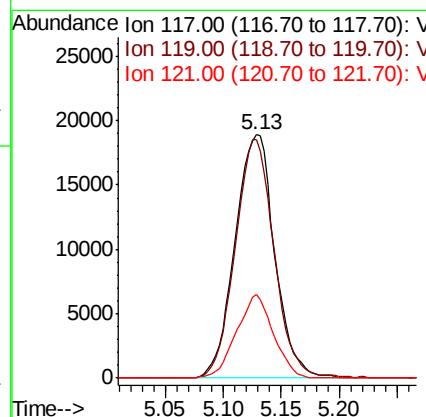
RT: 5.13 min Scan# 1256

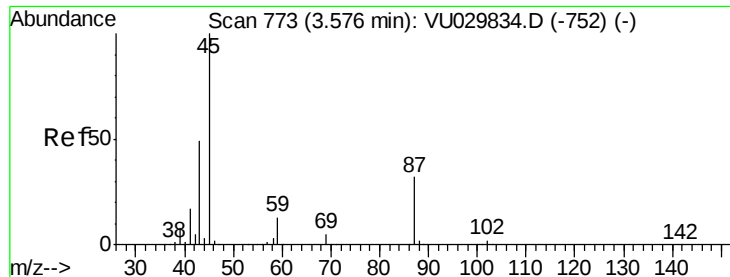
Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Tgt Ion:	117	Resp:	44833
Ion Ratio	Lower	Upper	
117	100		
119	98.2	78.4	117.6
121	34.4	25.0	37.4





#31

Isopropyl Ether

Concen: 1.917 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 45 Resp: 82701

Ion Ratio Lower Upper

45 100

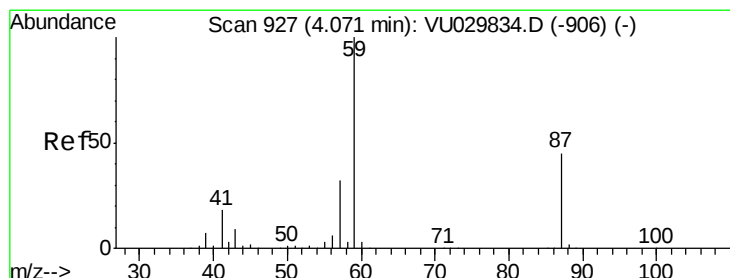
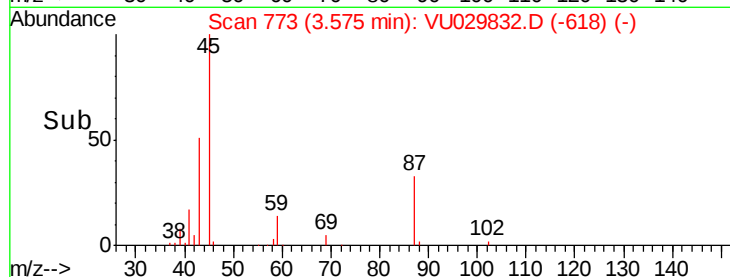
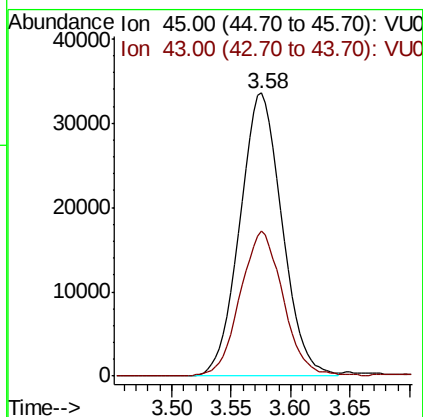
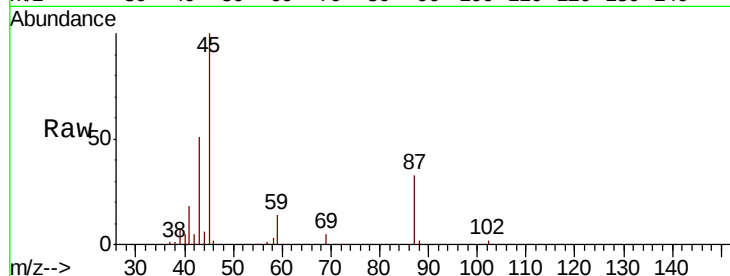
43 52.3 24.3 72.9

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#32

Ethyl-t-butyl ether

Concen: 1.916 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029832.D

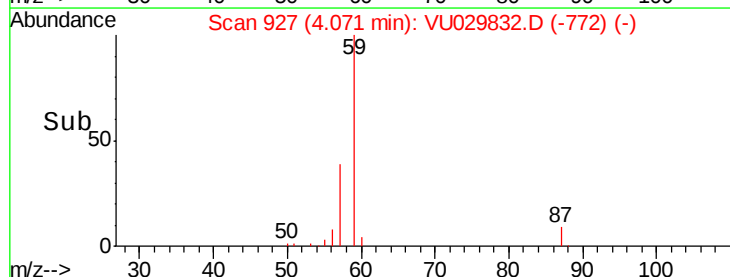
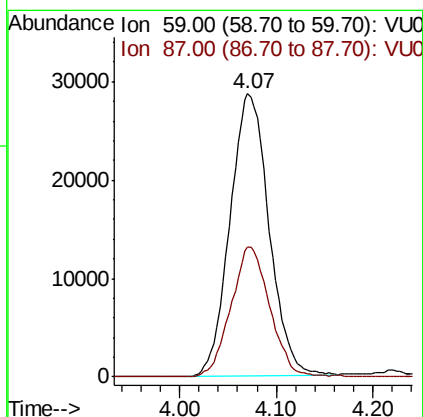
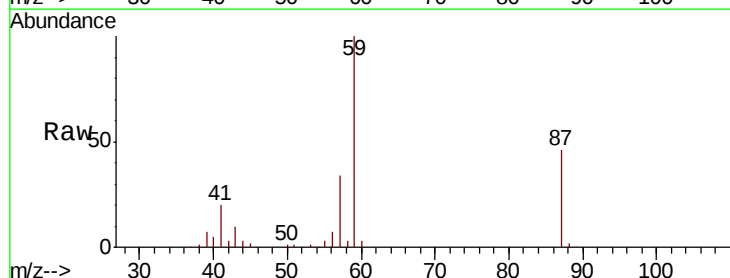
Acq: 06 Mar 2019 10:20

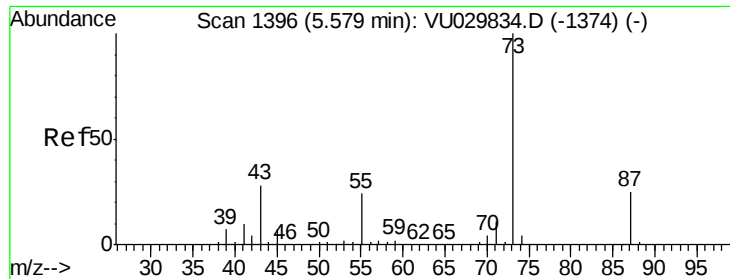
Tgt Ion: 59 Resp: 80362

Ion Ratio Lower Upper

59 100

87 45.4 36.2 54.4





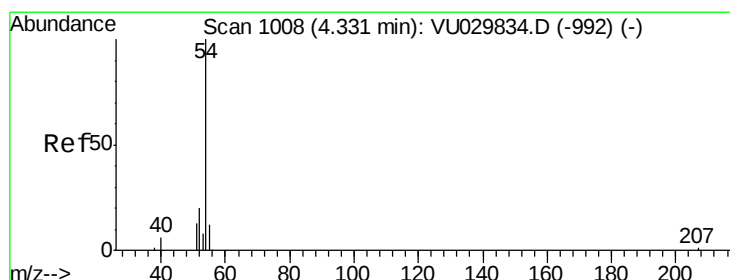
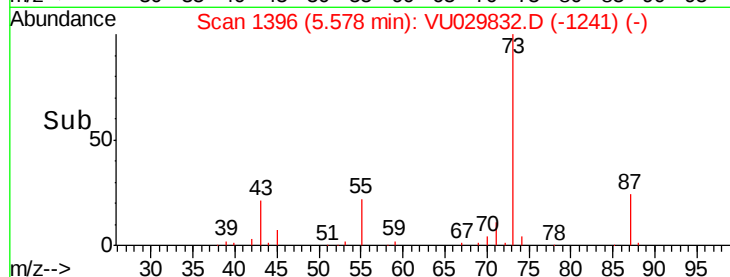
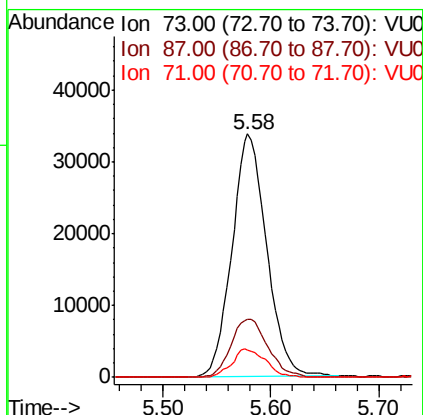
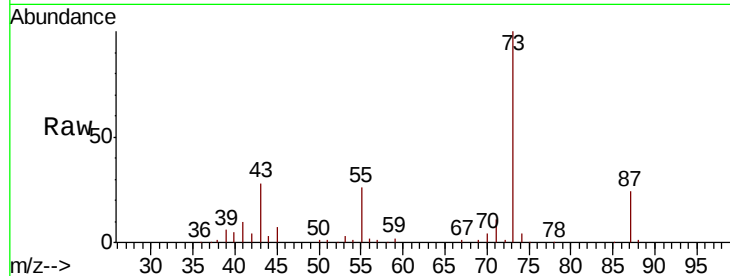
#33
Tert-Amyl methyl ether
Concen: 1.941 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
73	100		
87	25.6	19.7	29.5
71	11.5	9.4	14.2

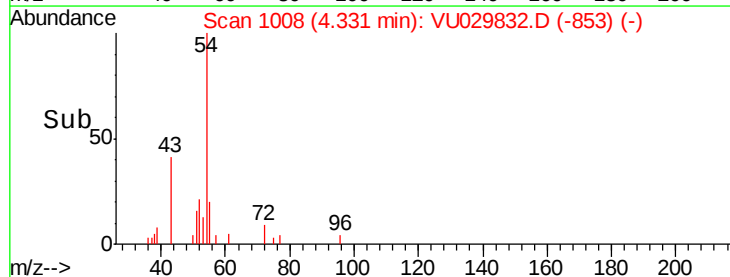
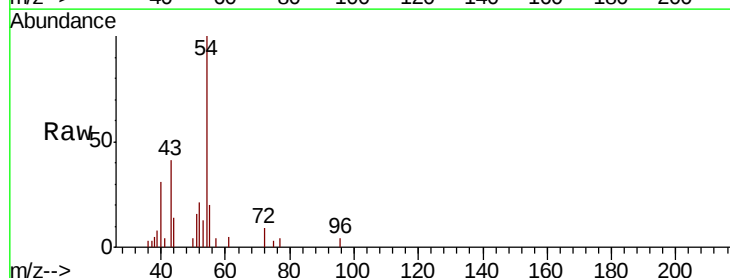
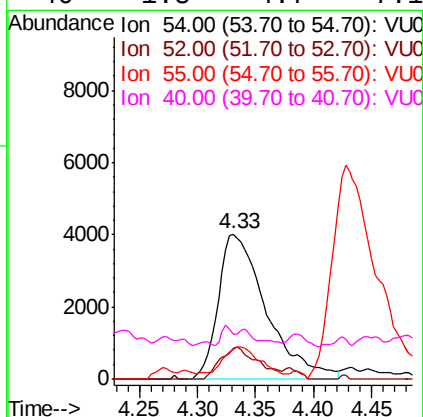
Manual Integrations
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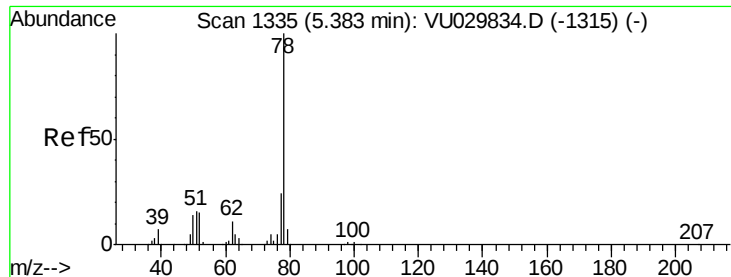
MMDadoda
3/11/2019 4:49:55 PM



#34
Propionitrile
Concen: 9.537 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.2	16.1	24.1
55	13.4	11.2	16.8
40	1.8	4.7	7.1#





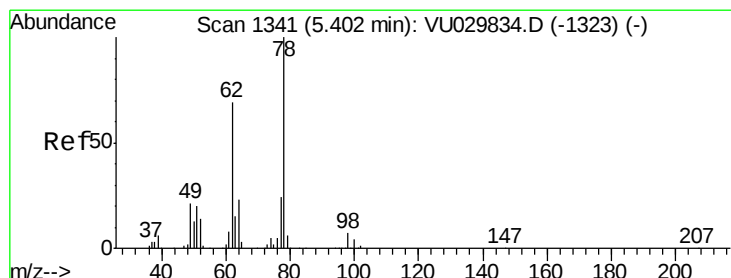
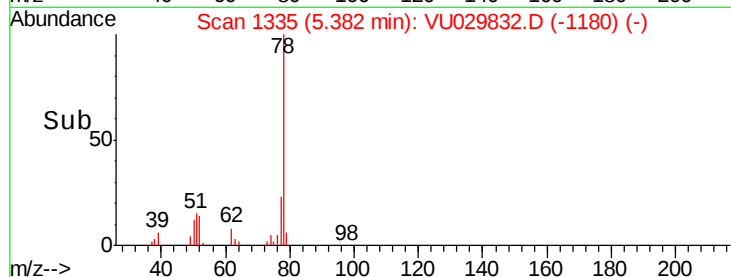
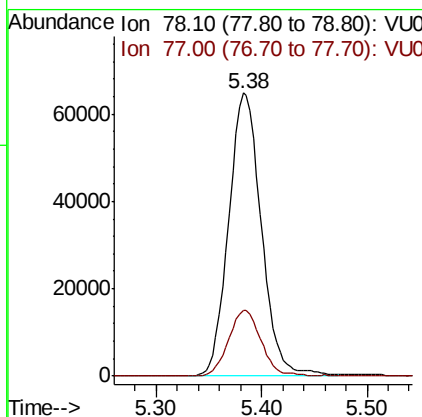
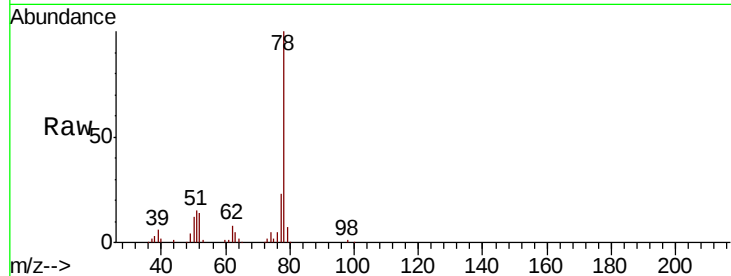
#35
Benzene
Concen: 1.982 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 78 Resp: 139351
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8

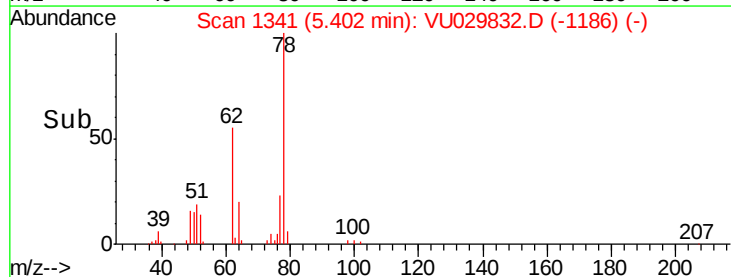
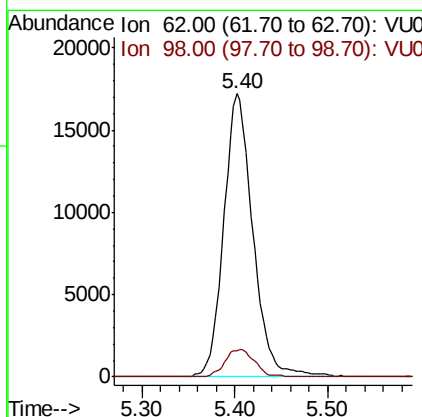
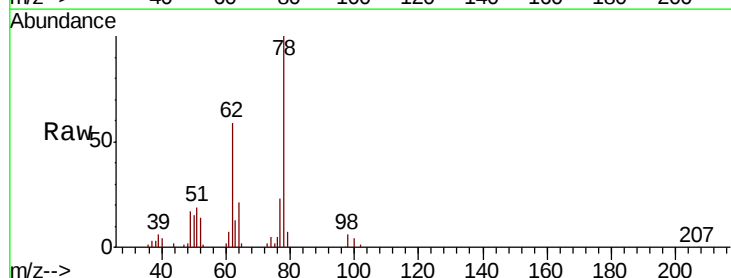
Manual Integrations
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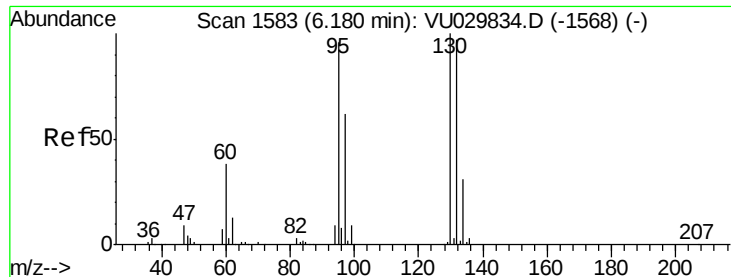
MMDadoda
3/11/2019 4:49:55 PM



#36
1,2-Dichloroethane
Concen: 1.951 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion: 62 Resp: 37469
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2





#37

Trichloroethene

Concen: 1.943 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:130 Resp: 39881

Ion Ratio Lower Upper

130 100

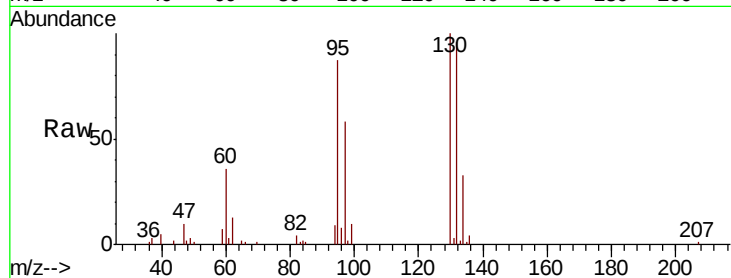
95 87.4 76.6 114.8

Manual Integrations

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3/11/2019 4:49:55 PM



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029834.D (-1568) (-)

6.18

20000

15000

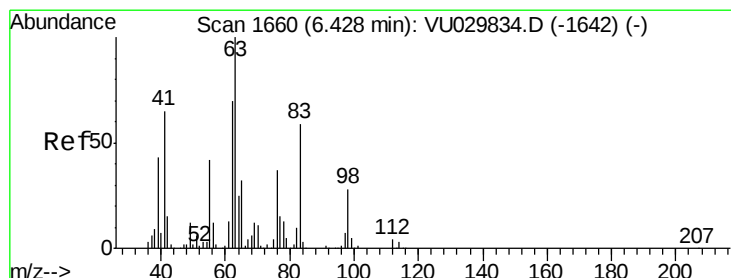
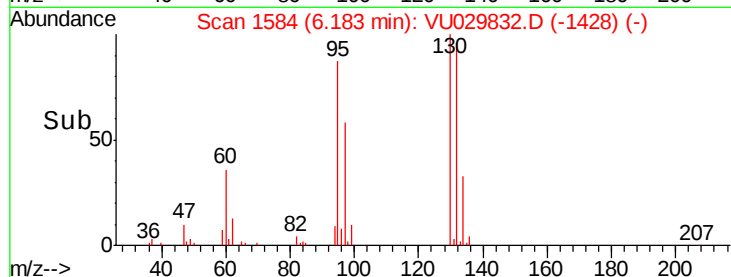
10000

5000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 1.954 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029832.D

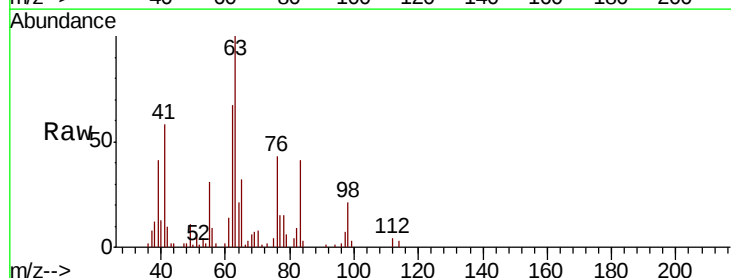
Acq: 06 Mar 2019 10:20

Tgt Ion: 63 Resp: 34771

Ion Ratio Lower Upper

63 100

65 31.5 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029834.D (-1642) (-)

6.43

20000

15000

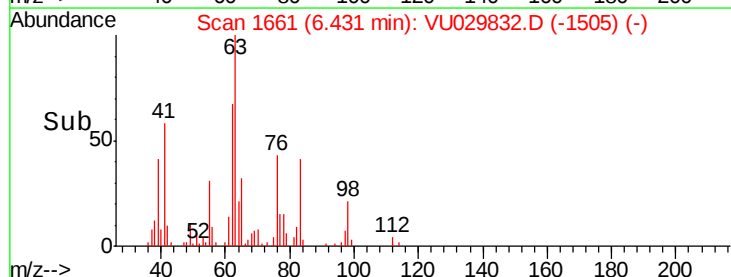
10000

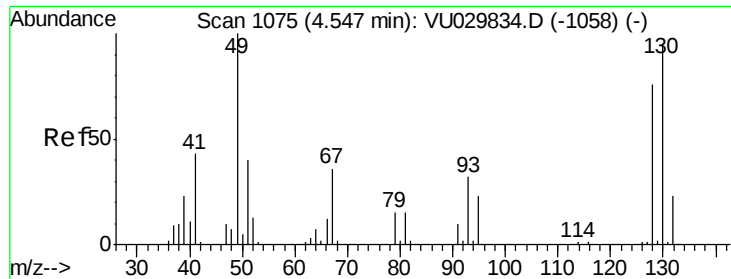
5000

0

6.30 6.40 6.50

Time-->





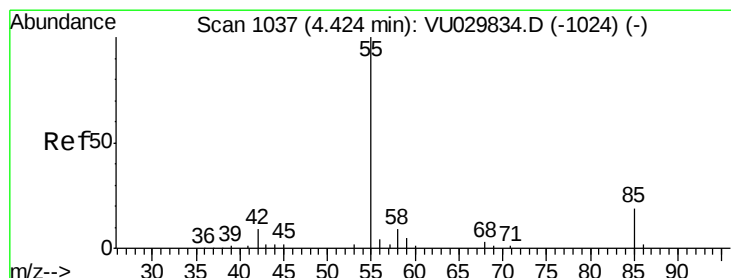
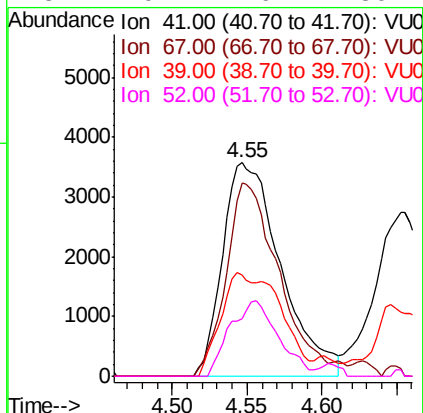
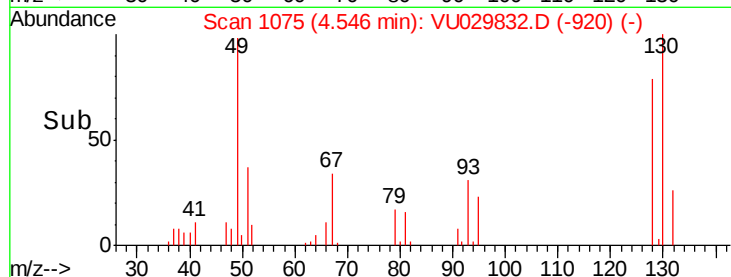
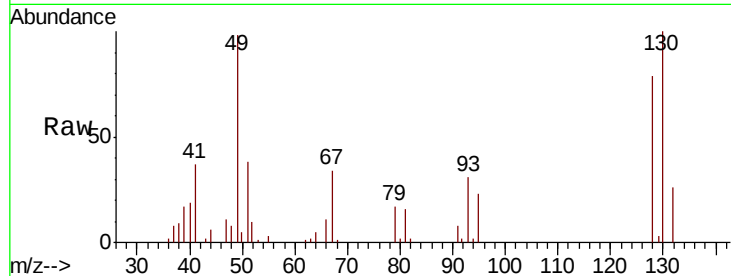
#39
Methacrylonitrile
Concen: 1.902 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
41	100		
67	81.9	68.4	102.6
39	49.8	42.6	63.8
52	29.4	26.2	39.4

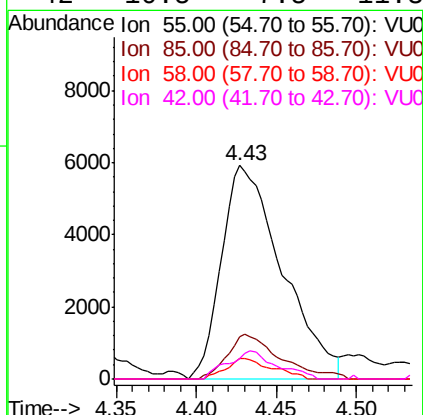
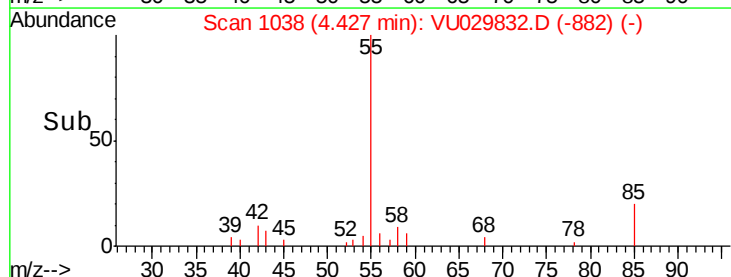
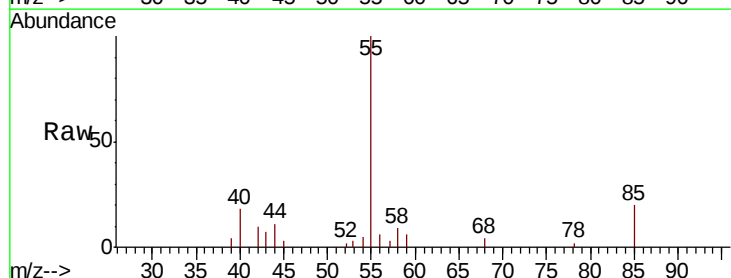
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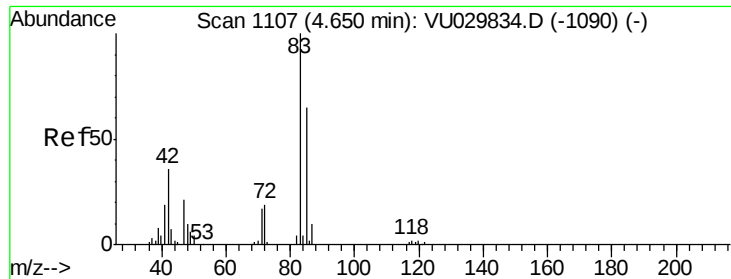
MMDadoda
3/11/2019 4:49:55 PM



#40
Methyl acrylate
Concen: 1.919 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.6	15.2	22.8
58	7.1	7.6	11.4
42	10.5	7.5	11.3





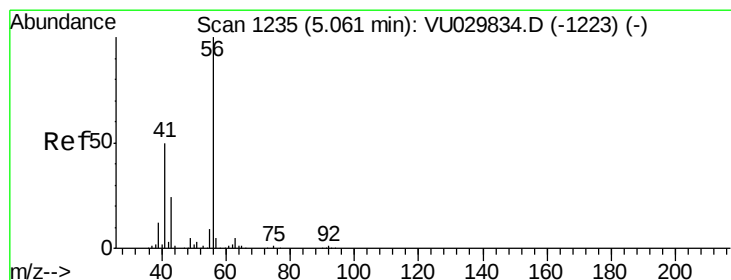
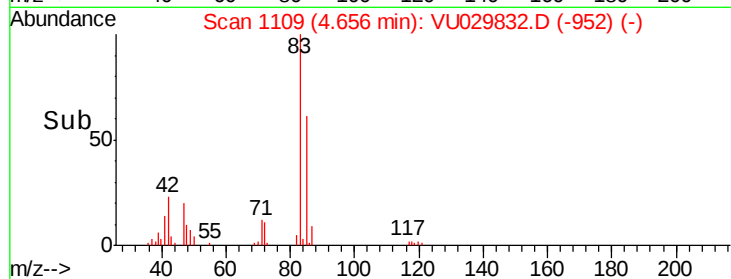
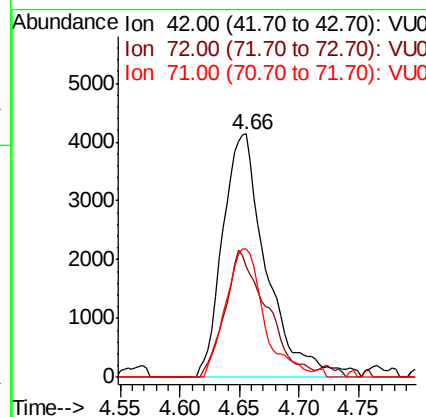
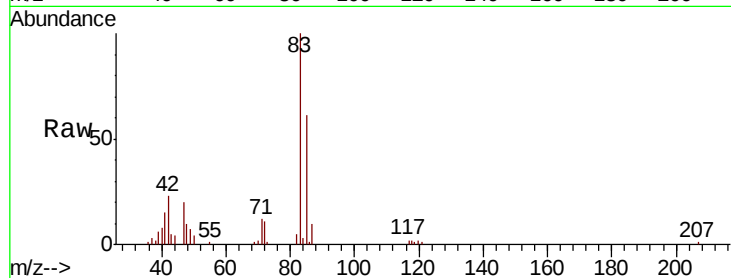
#41
Tetrahydrofuran
Concen: 3.935 ug/l
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.5	43.6	65.4
71	46.9	37.5	56.3

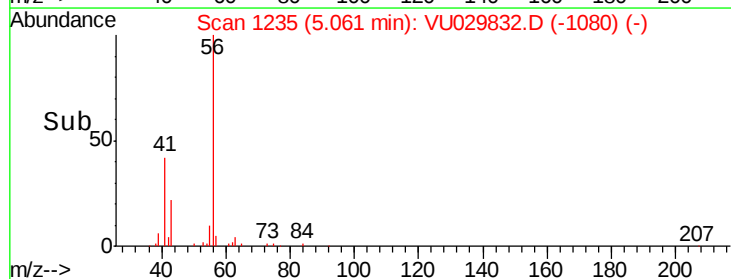
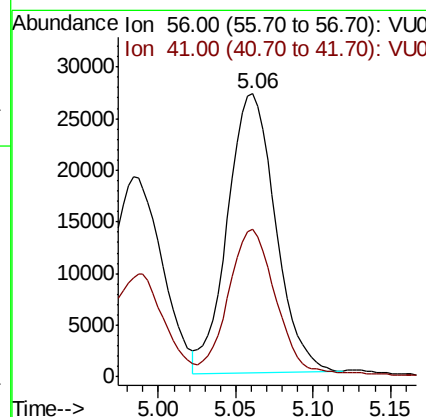
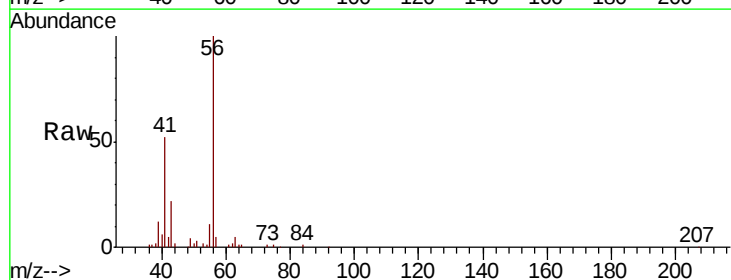
Manual Integrations
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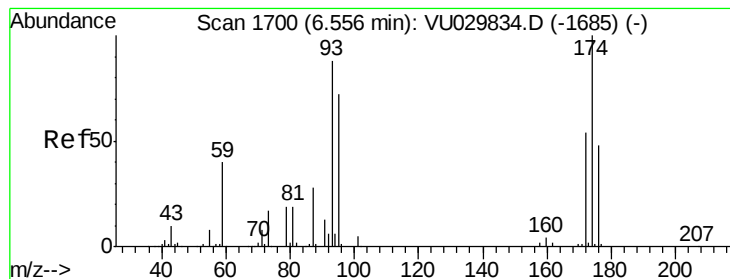
MMDadoda
3/11/2019 4:49:55 PM



#42
1-Chlorobutane
Concen: 1.915 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
56	100		
41	49.9	25.0	75.0





#43

Dibromomethane

Concen: 1.945 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 93 Resp: 17936

Ion Ratio Lower Upper

93 100

95 86.5 67.0 100.6

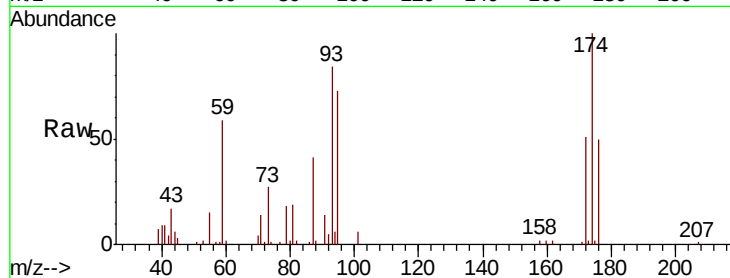
174 117.3 91.4 137.2

Manual Integrations

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MMDadoda

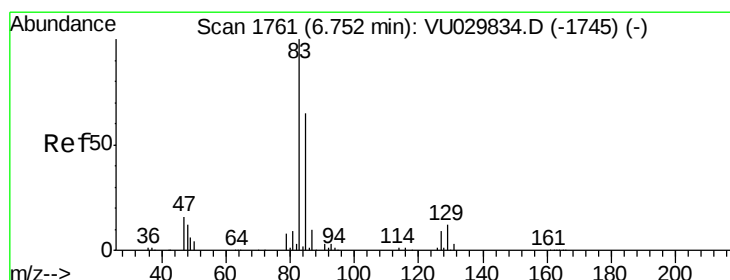
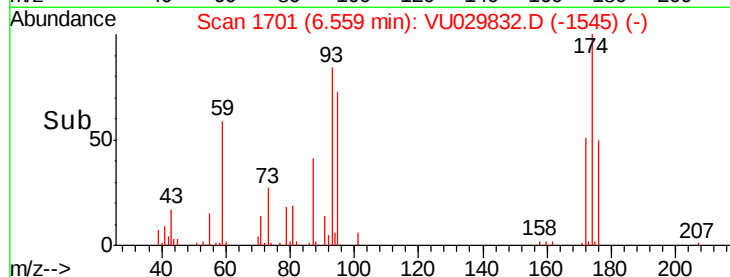
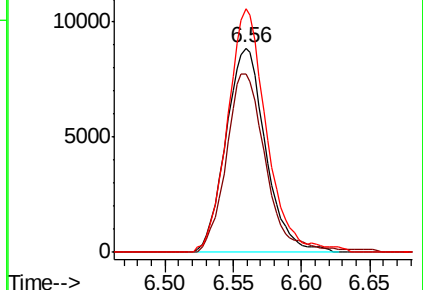
3/11/2019 4:49:55 PM



Abundance Ion 93.00 (92.70 to 93.70): VU029834.D (-1685) (-)

Ion 95.00 (94.70 to 95.70): VU029834.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU029834.D (-1685) (-)



#44

Bromodichloromethane

Concen: 1.922 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

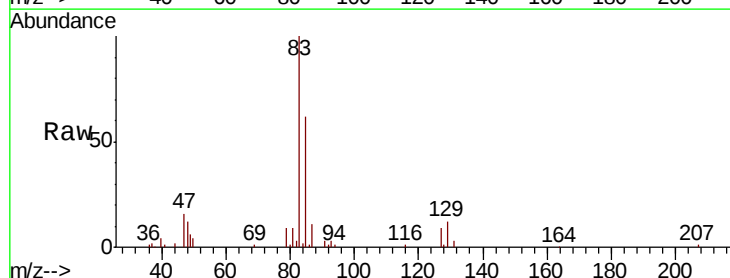
Tgt Ion: 83 Resp: 43530

Ion Ratio Lower Upper

83 100

85 62.1 51.7 77.5

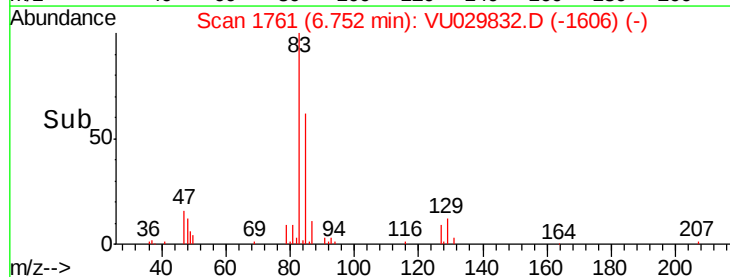
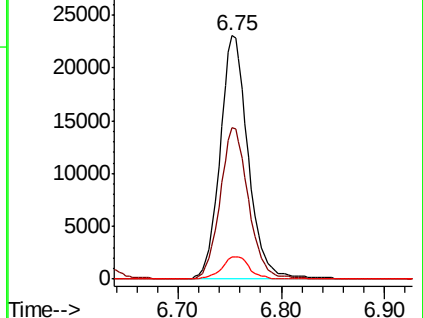
127 9.2 7.4 11.2

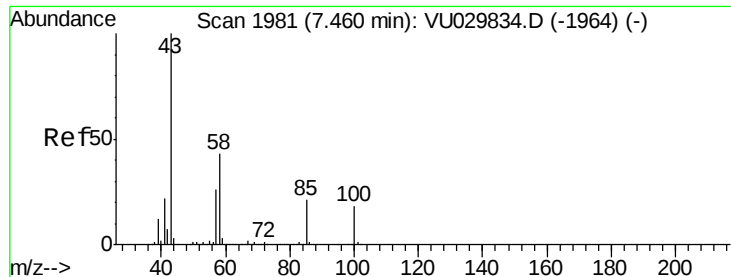


Abundance Ion 83.00 (82.70 to 83.70): VU029834.D (-1745) (-)

Ion 85.00 (84.70 to 85.70): VU029834.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): VU029834.D (-1745) (-)





#45

4-Methyl-2-Pentanone

Concen: 9.431 ug/l

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

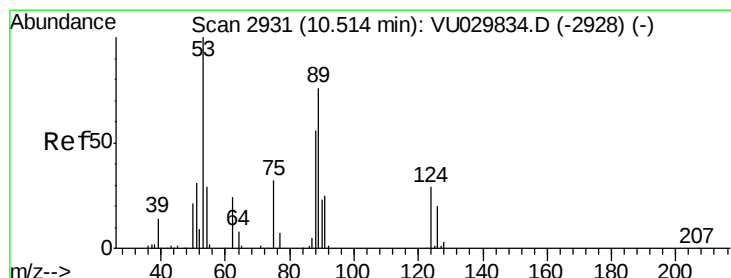
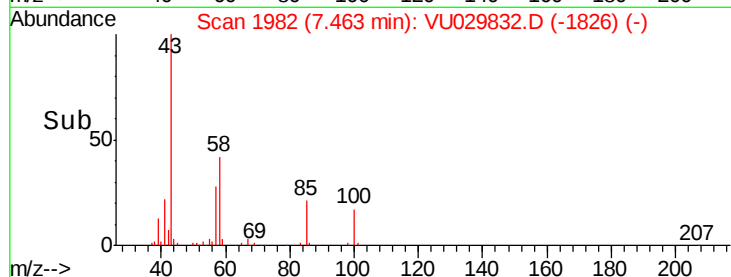
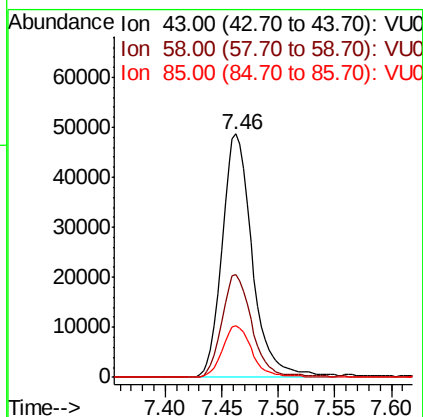
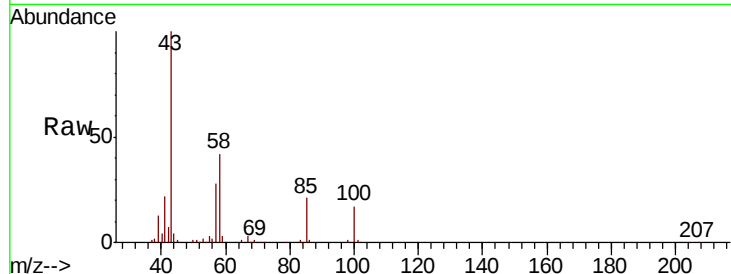
ClientSampleId :

VSTDIC002

Tgt Ion:	43	Resp:	90718
Ion	Ratio	Lower	Upper
43	100		
58	42.1	21.6	65.0
85	20.6	16.5	24.7

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 3.145 ug/l m

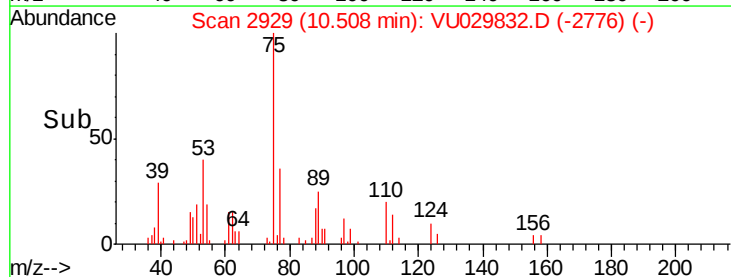
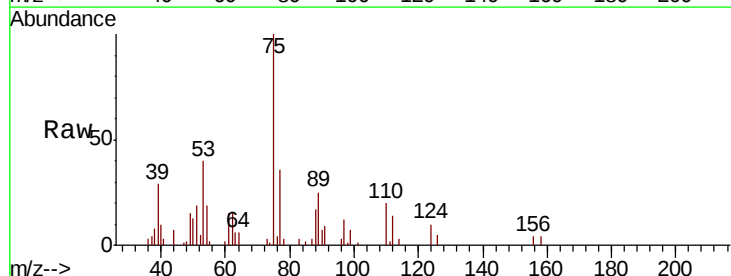
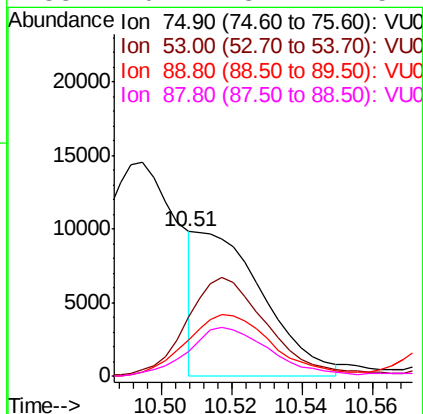
RT: 10.51 min Scan# 2929

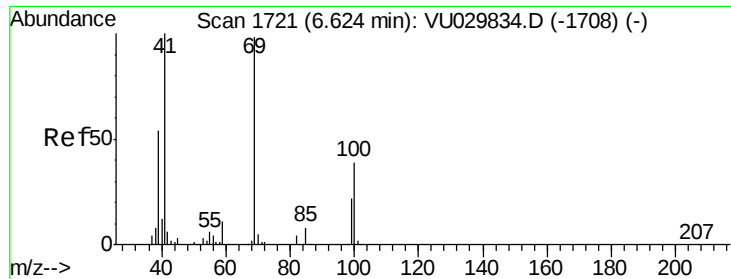
Delta R.T. -0.01 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Tgt Ion:	75	Resp:	13168
Ion	Ratio	Lower	Upper
75	100		
53	81.6	59.2	88.8
89	54.3	44.9	67.3
88	40.4	32.2	48.2





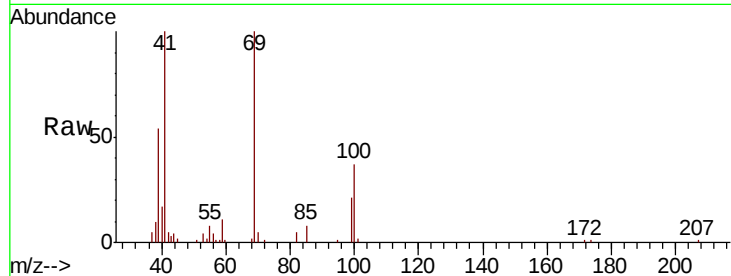
#47
Methyl methacrylate
Concen: 3.984 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
69	100		
41	94.7	0.0	201.0
39	52.1	43.3	64.9
100	35.3	31.5	47.3

Manual Integrations
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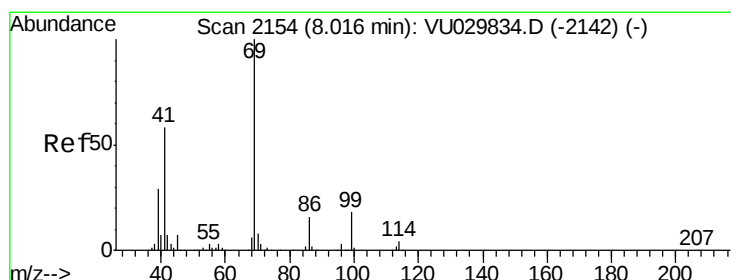
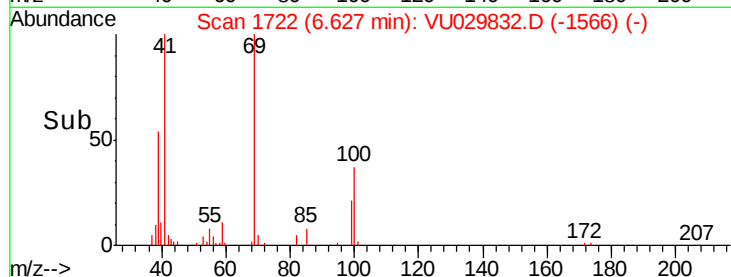
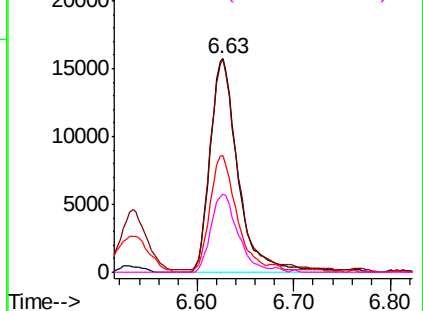
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

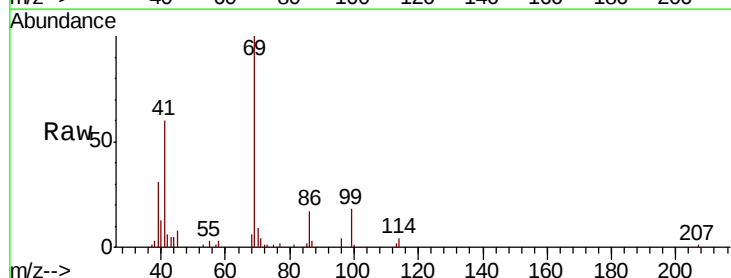
Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48
Ethyl methacrylate
Concen: 1.884 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

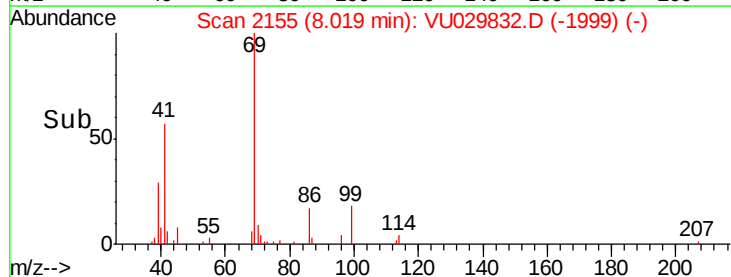
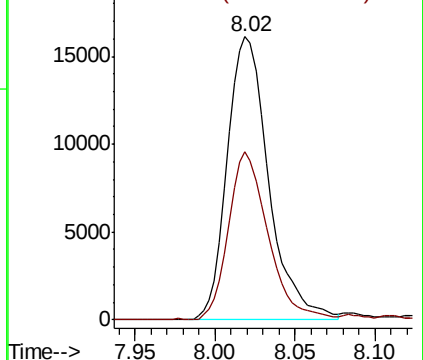
Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.8	29.0	87.1

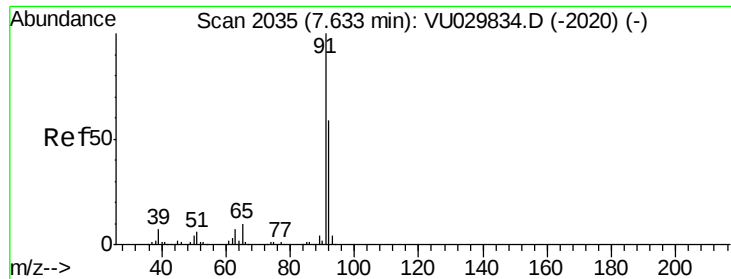


Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 1.921 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 92 Resp: 82924

Ion Ratio Lower Upper

92 100

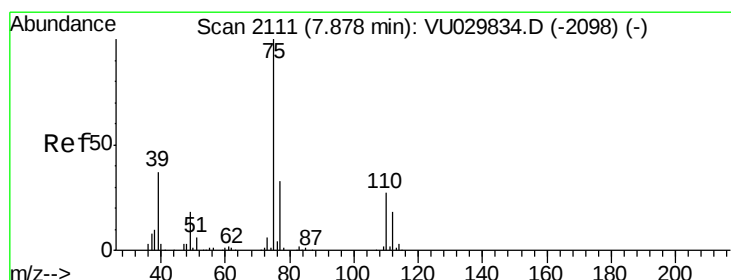
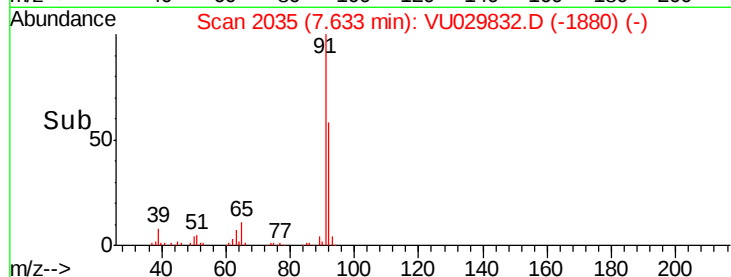
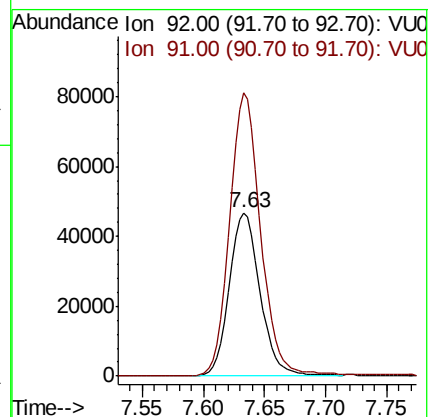
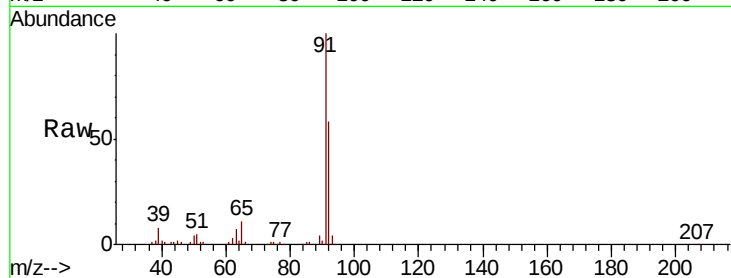
91 174.1 137.8 206.8

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.850 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029832.D

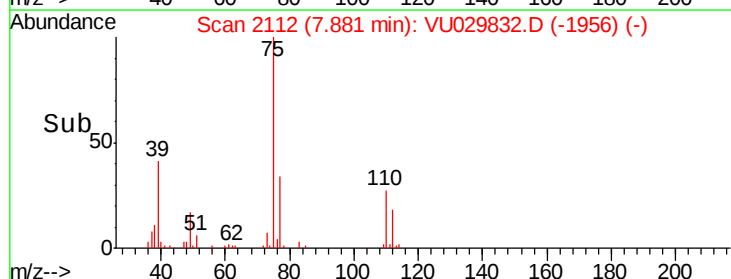
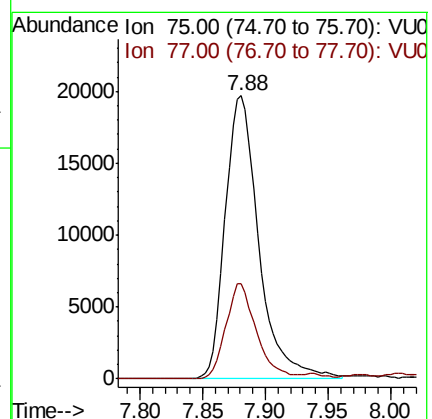
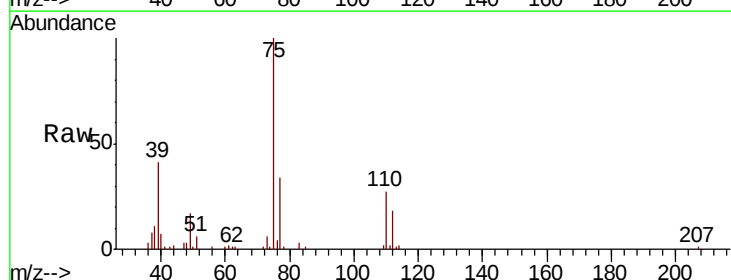
Acq: 06 Mar 2019 10:20

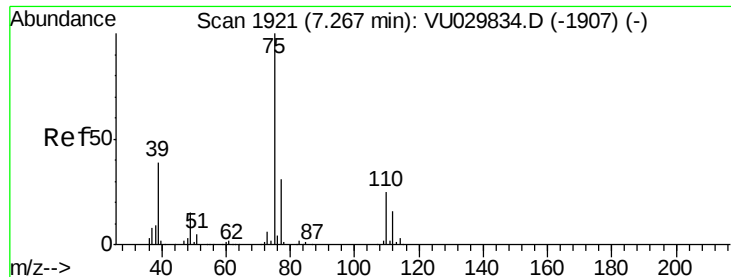
Tgt Ion: 75 Resp: 36725

Ion Ratio Lower Upper

75 100

77 33.8 26.4 39.6





#51

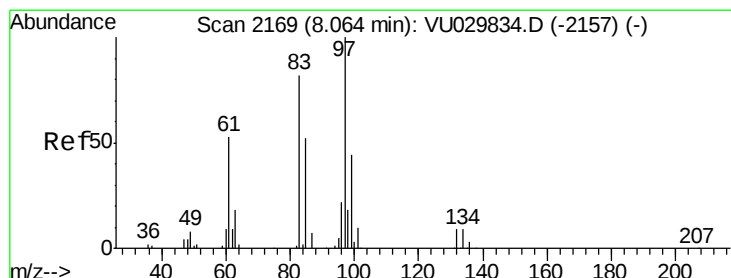
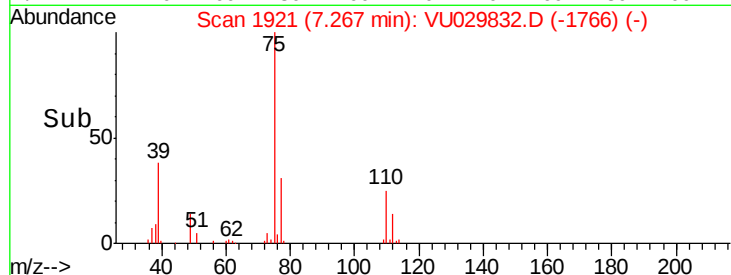
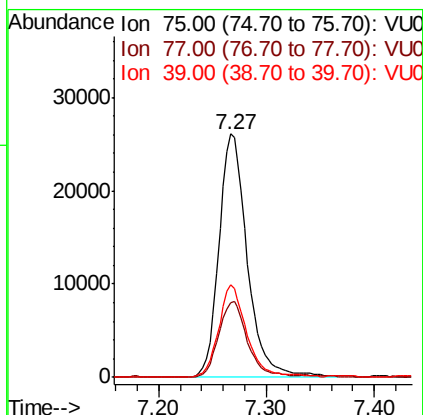
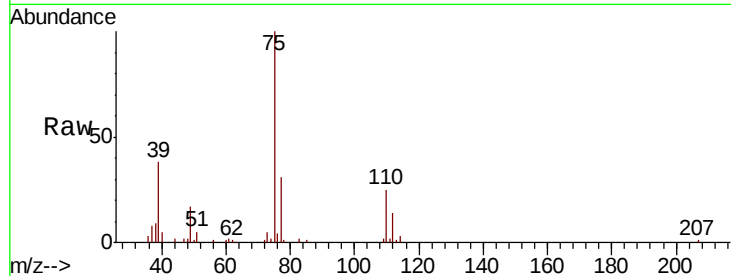
cis-1,3-Dichloropropene
Concen: 1.942 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:	75	Resp:	47726
Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.9	37.3
39	38.2	30.8	46.2

Manual Integrations
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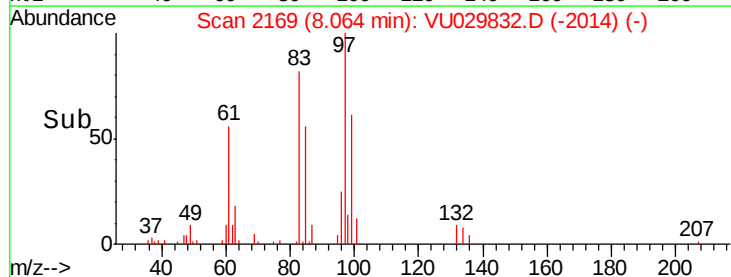
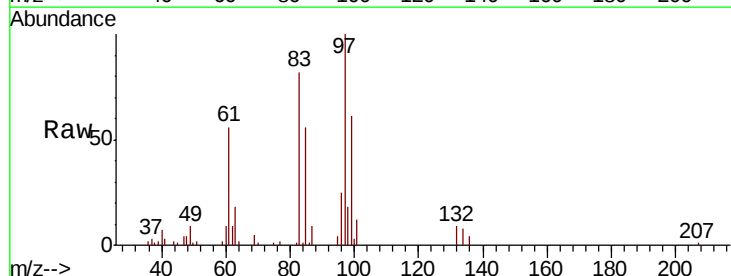
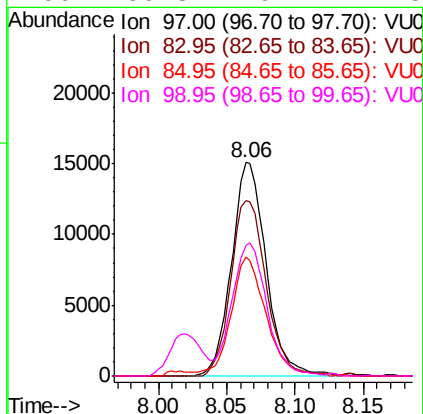
MMDadoda
3/11/2019 4:49:55 PM

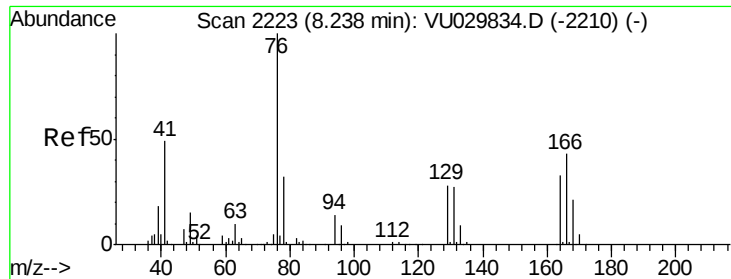


#52

1,1,2-Trichloroethane
Concen: 1.947 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion:	97	Resp:	26574
Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.9	98.9
85	54.9	43.0	64.6
99	60.3	49.7	74.5





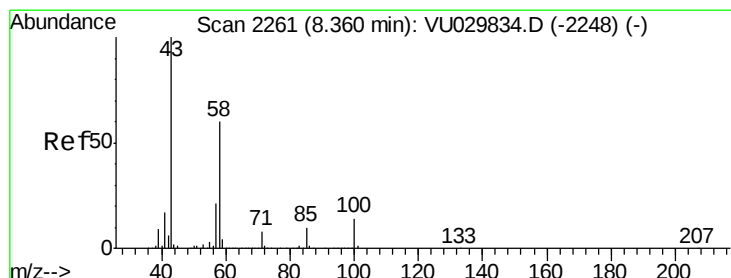
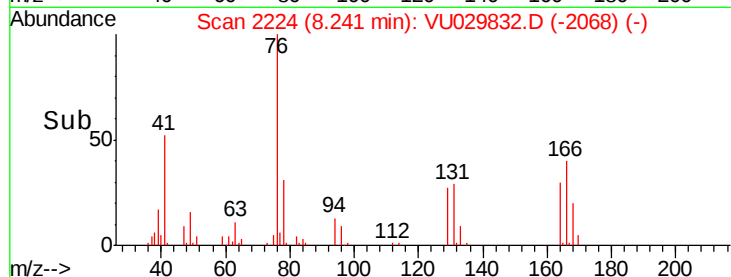
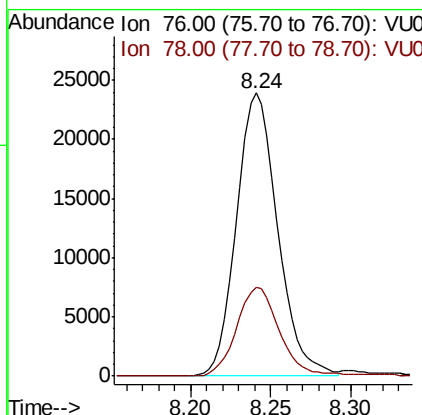
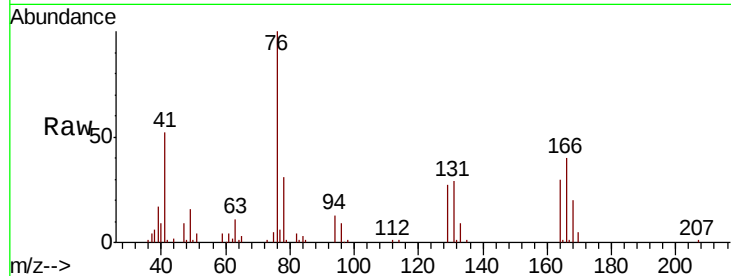
#53
 1,3-Dichloropropane
 Concen: 1.879 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tgt Ion: 76 Resp: 42076
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

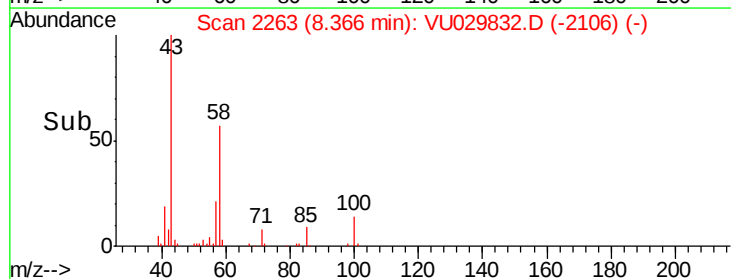
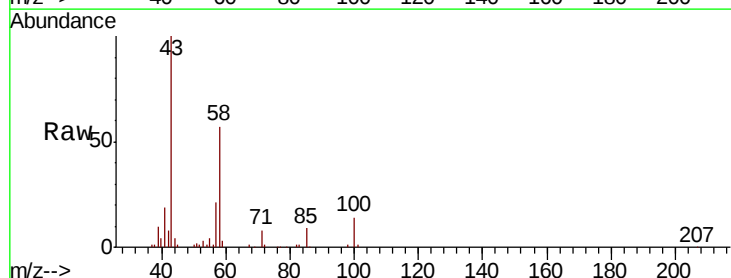
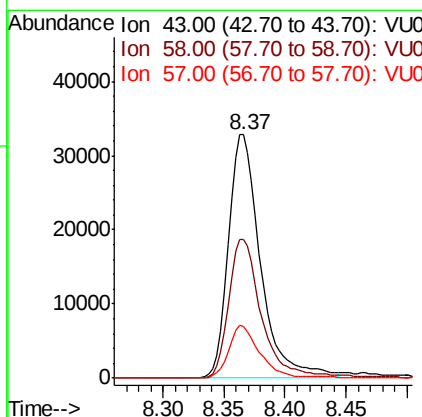
Manual Integrations
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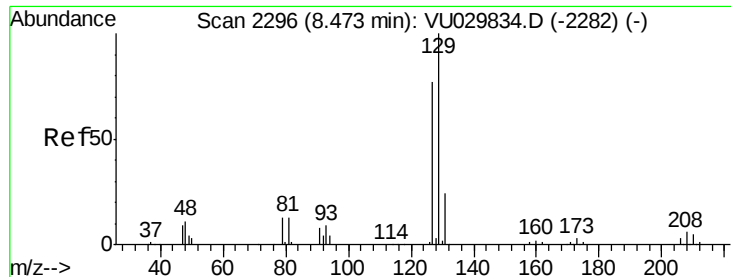
MMDadoda
 3/11/2019 4:49:55 PM



#54
 2-Hexanone
 Concen: 9.063 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion: 43 Resp: 60545
 Ion Ratio Lower Upper
 43 100
 58 57.8 39.6 79.6
 57 21.1 0.5 40.5





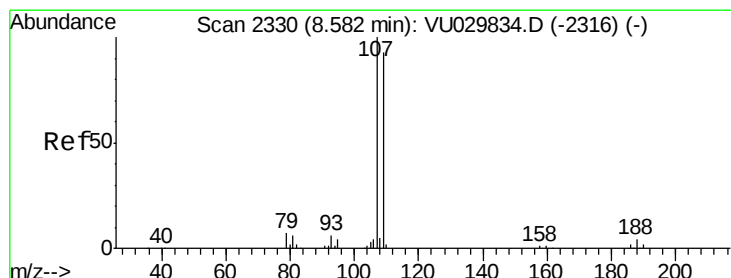
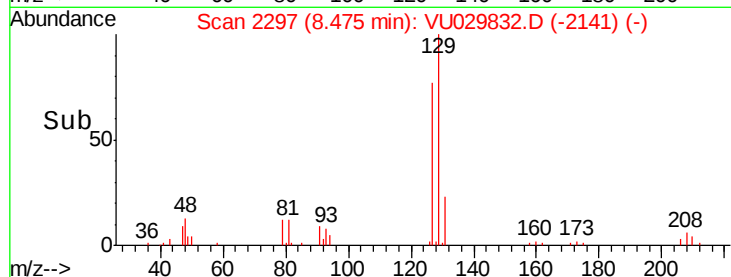
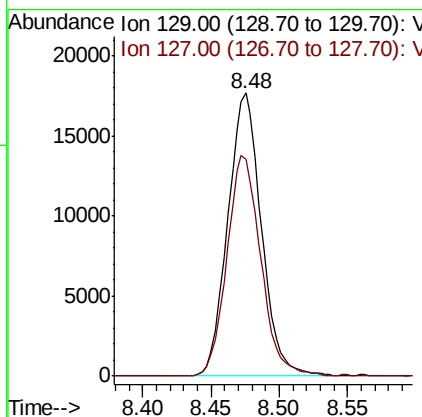
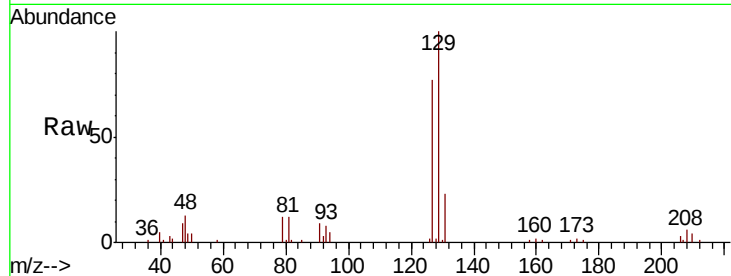
#55
 Dibromochloromethane
 Concen: 1.871 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion:129 Resp: 30308
 Ion Ratio Lower Upper
 129 100
 127 78.4 61.6 92.4

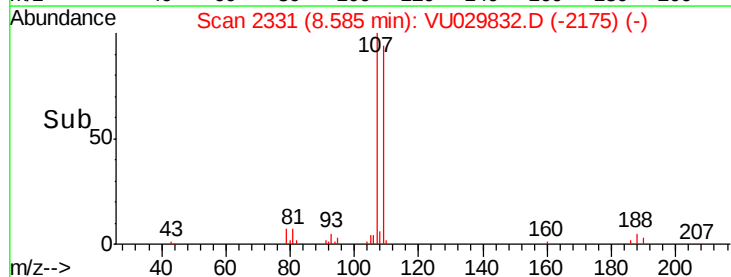
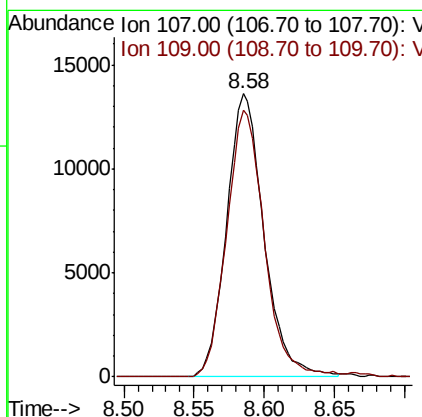
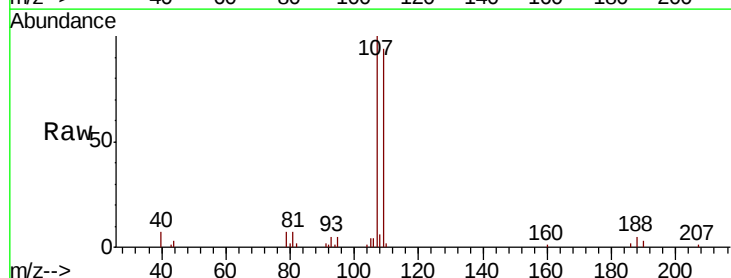
Manual Integrations
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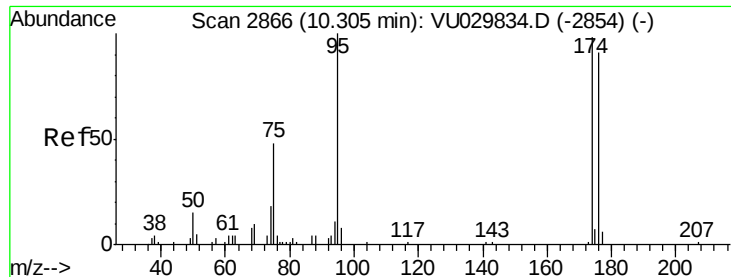
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#56
 1,2-Dibromoethane
 Concen: 1.947 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion:107 Resp: 25203
 Ion Ratio Lower Upper
 107 100
 109 95.0 0.0 188.4





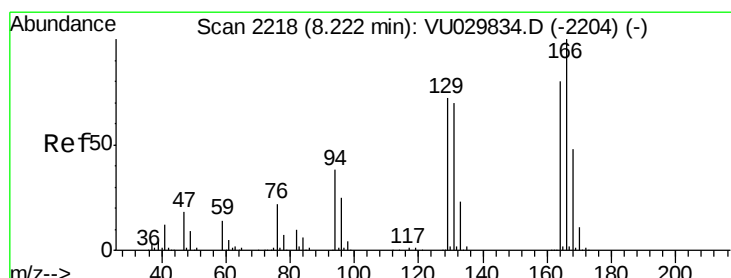
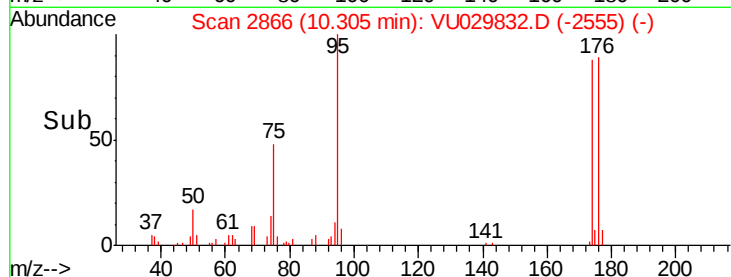
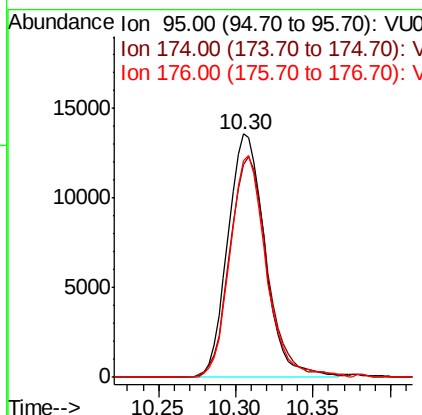
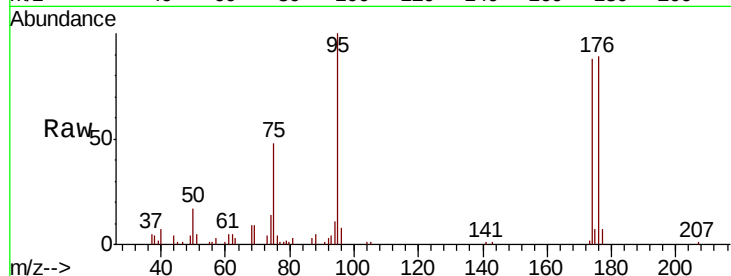
#57
4-Bromofluorobenzene
Concen: 1.947 ug/l
RT: 10.30 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	76.5	114.7
176	88.6	74.2	111.2

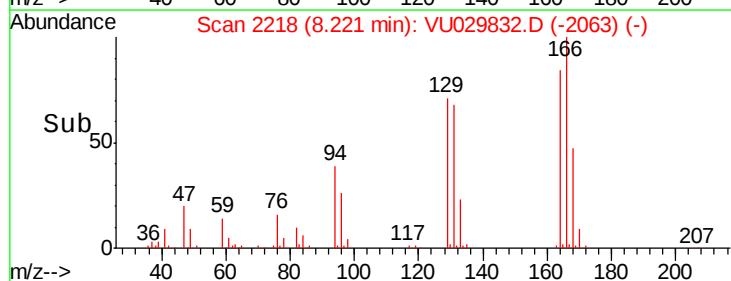
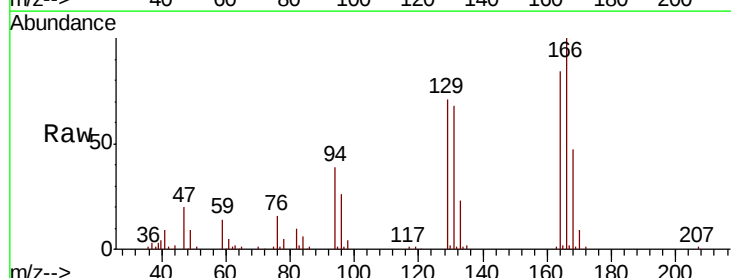
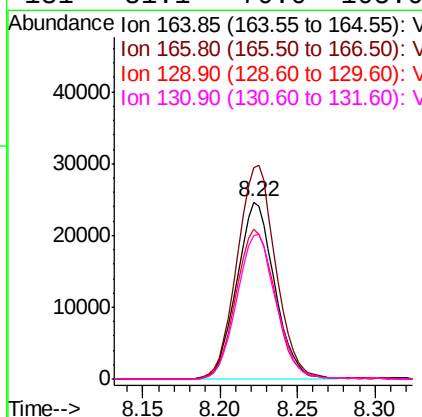
Manual Integrations
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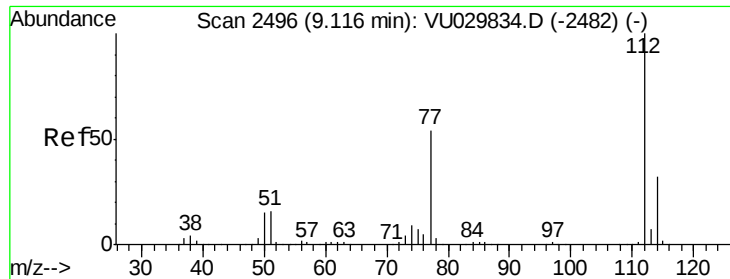
MMDadoda
3/11/2019 4:49:55 PM



#58
Tetrachloroethene
Concen: 2.002 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.3	100.5	150.7
129	84.3	72.3	108.5
131	81.1	70.0	105.0





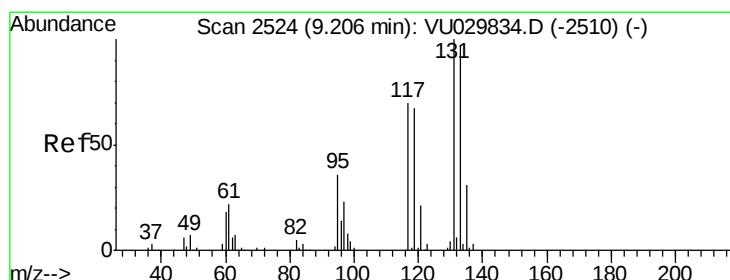
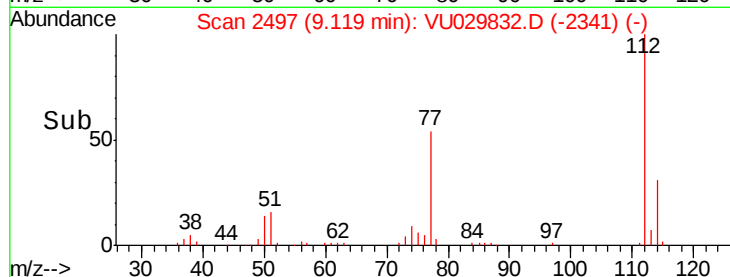
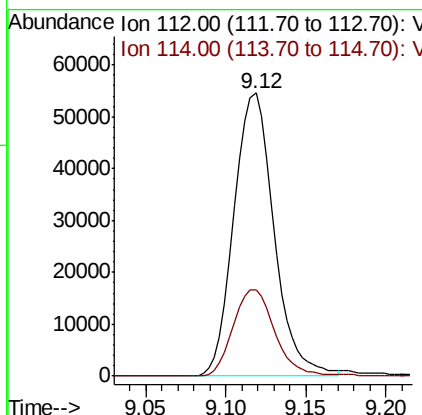
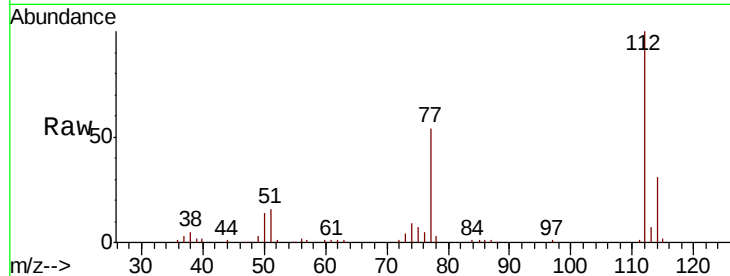
#59
Chlorobenzene
Concen: 1.882 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:112 Resp: 93404
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.2

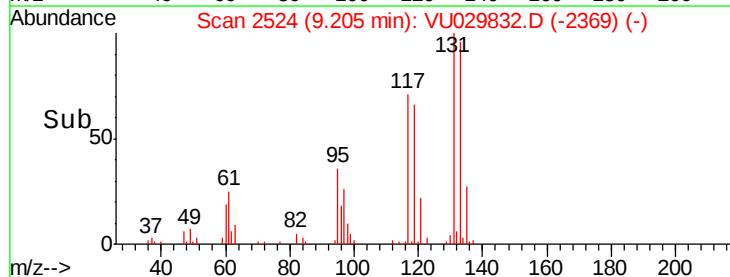
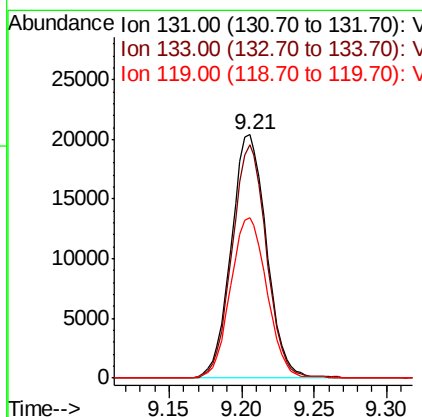
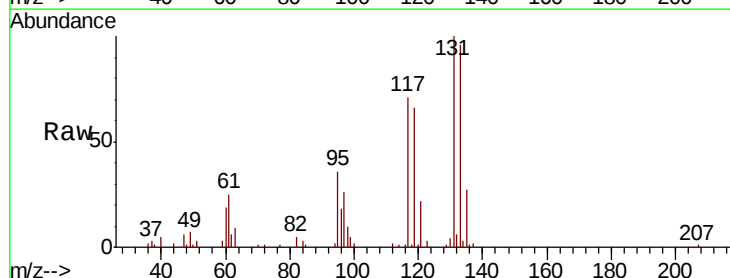
Manual Integrations
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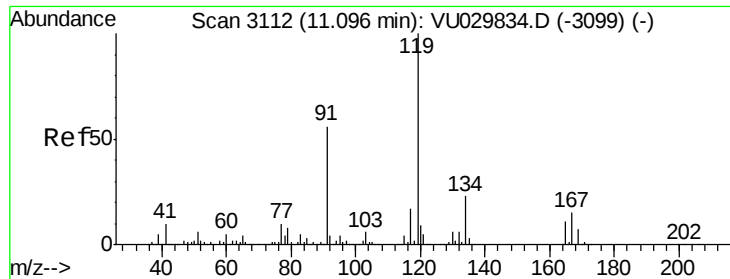
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.943 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion:131 Resp: 34589
Ion Ratio Lower Upper
131 100
133 93.1 76.4 114.6
119 67.7 54.2 81.4





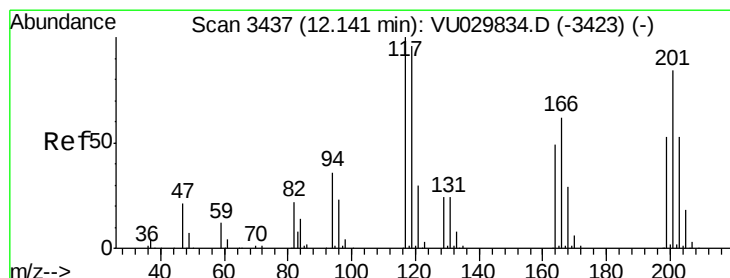
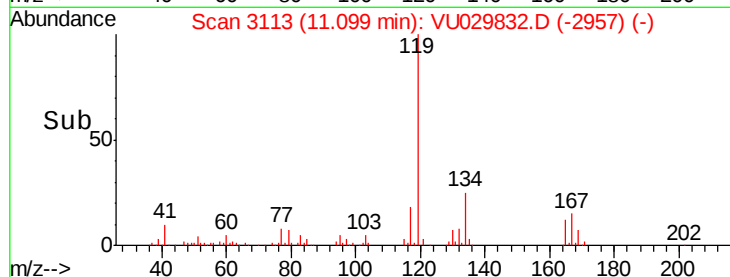
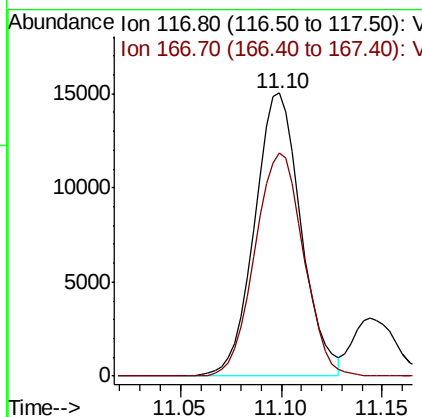
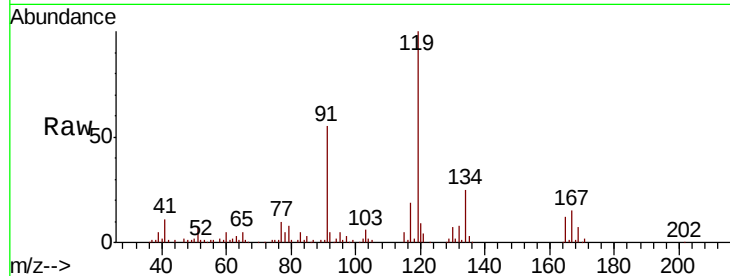
#61
 Pentachloroethane
 Concen: 1.950 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion:117 Resp: 24166
 Ion Ratio Lower Upper
 117 100
 167 82.4 71.4 107.2

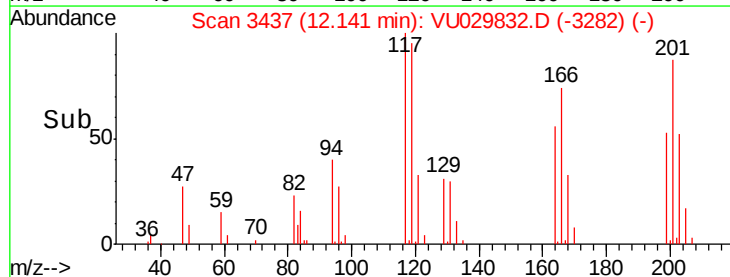
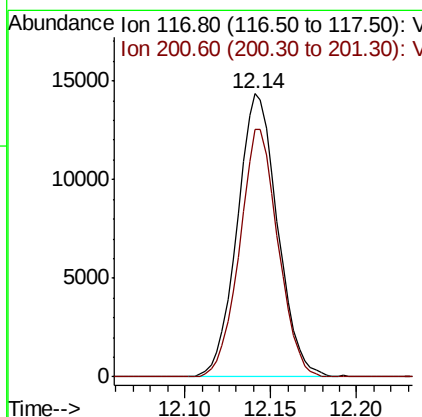
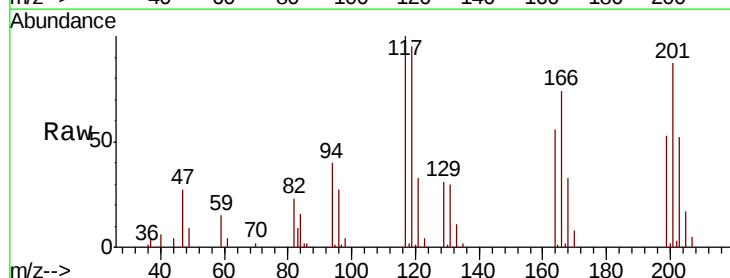
Manual Integrations
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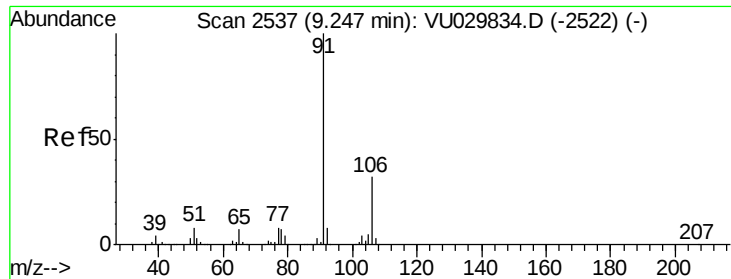
MMDadoda
 3/11/2019 4:49:55 PM



#62
 Hexachloroethane
 Concen: 1.794 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion:117 Resp: 23387
 Ion Ratio Lower Upper
 117 100
 201 83.3 68.2 102.2





#63

Ethyl Benzene

Concen: 1.870 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 151966

Ion Ratio Lower Upper

91 100

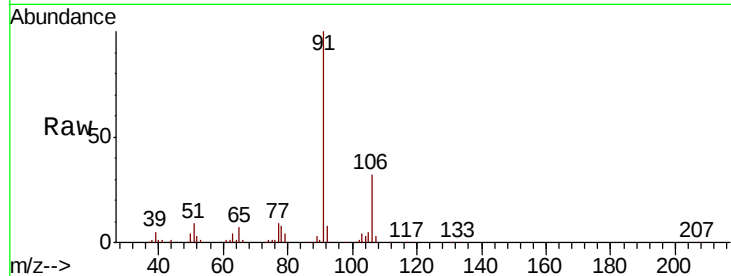
106 31.9 25.7 38.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

150000

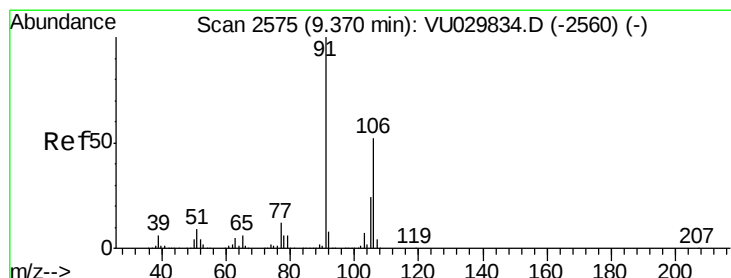
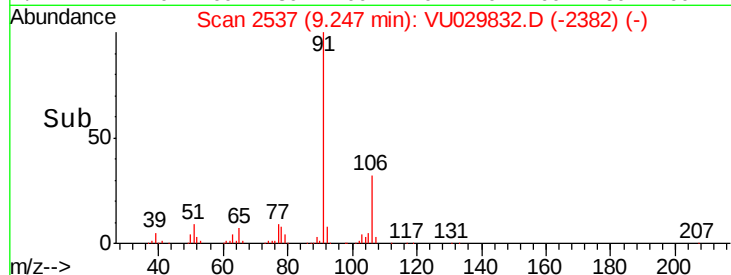
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#64

m/p-Xylenes

Concen: 3.801 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029832.D

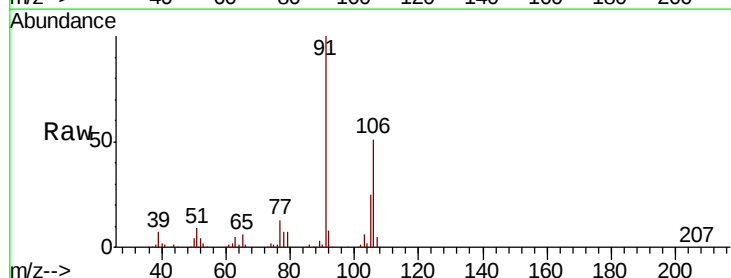
Acq: 06 Mar 2019 10:20

Tgt Ion: 106 Resp: 122134

Ion Ratio Lower Upper

106 100

91 192.7 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

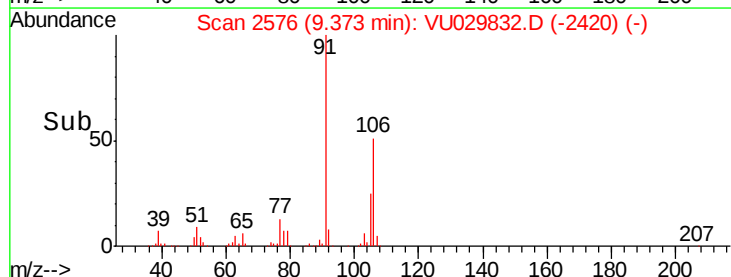
100000

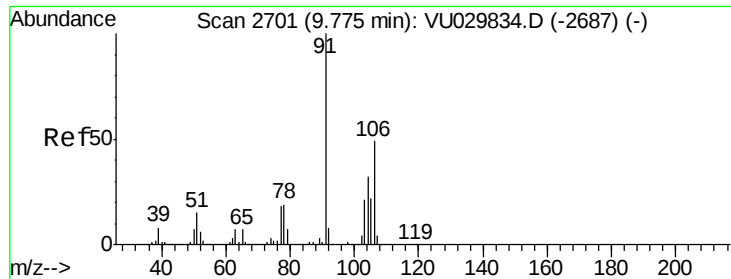
50000

0

9.30 9.40 9.50

Time-->





#65

o-Xylene

Concen: 1.924 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion:106 Resp: 59379

Ion Ratio Lower Upper

106 100

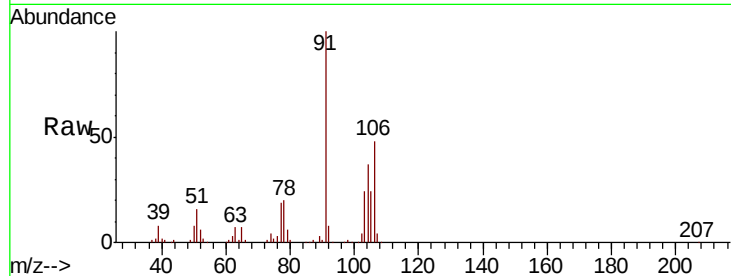
91 207.4 102.8 308.3

Manual Integrations

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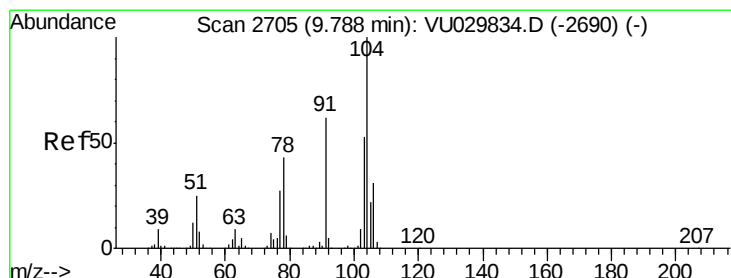
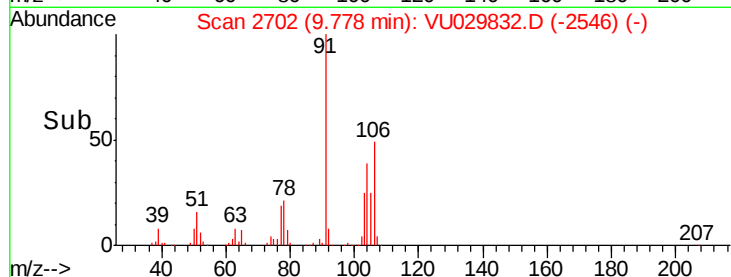
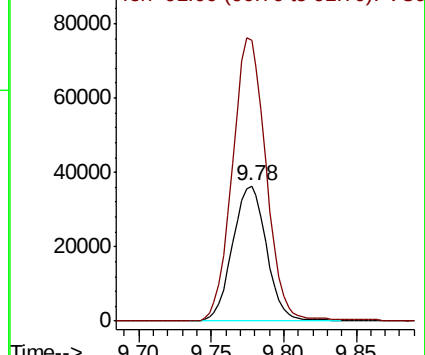
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.836 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

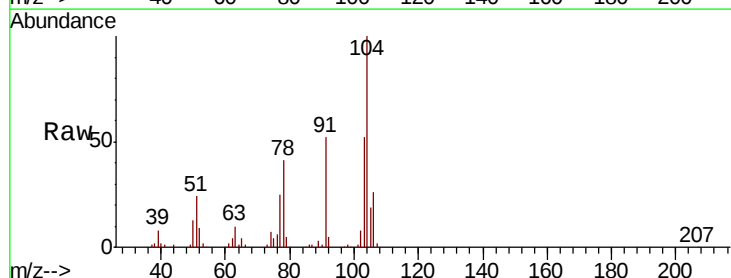
Tgt Ion:104 Resp: 94151

Ion Ratio Lower Upper

104 100

78 46.0 37.2 55.8

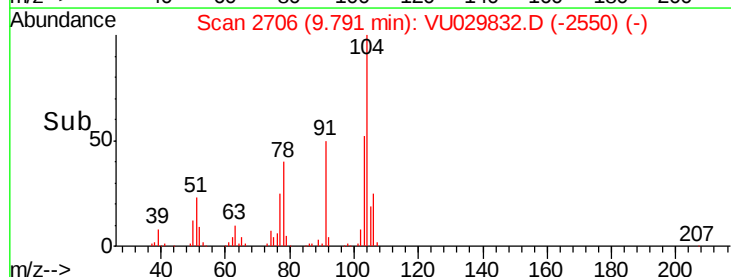
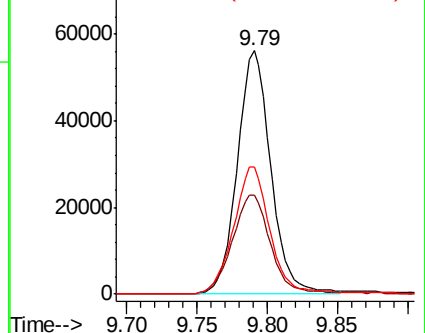
103 56.3 44.7 67.1

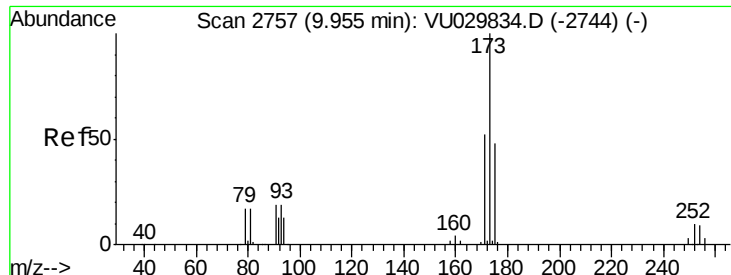


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 1.872 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

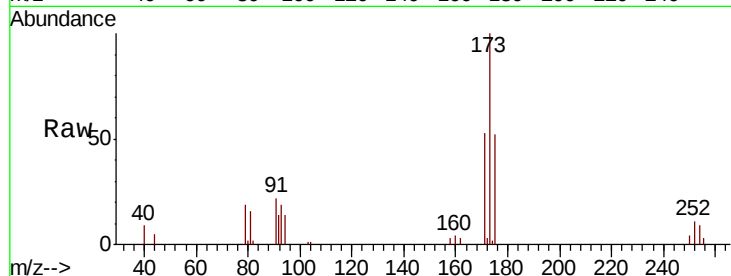
ClientSampled :

VSTDIC002

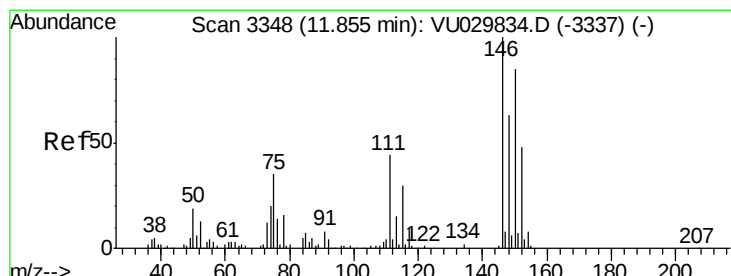
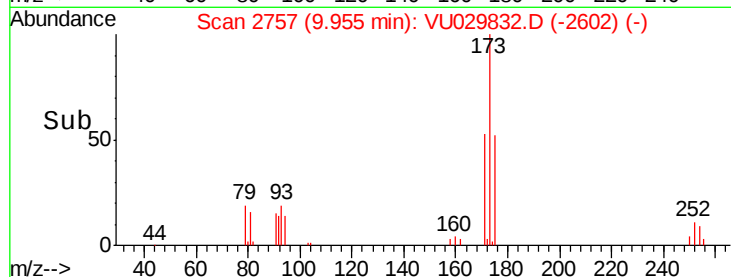
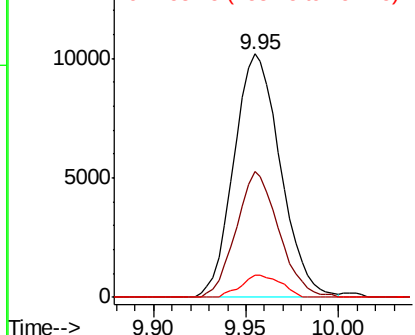
Tgt Ion:	173	Resp:	17812
Ion Ratio	Lower	Upper	
173	100		
175	47.3	38.6	57.8
254	7.9	7.4	11.2

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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: 1.872 ug/l

RT: 11.86 min Scan# 3349

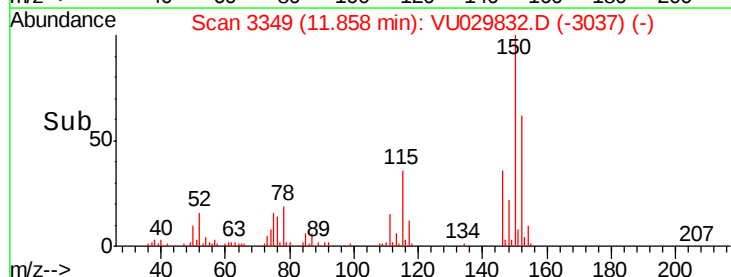
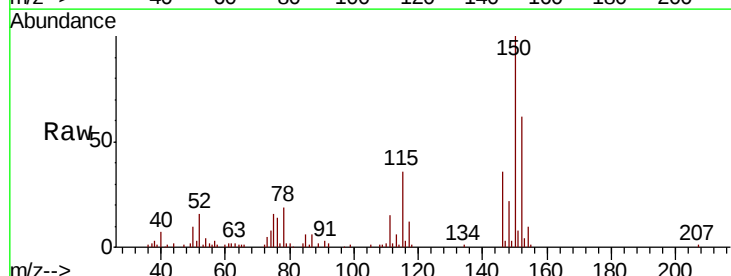
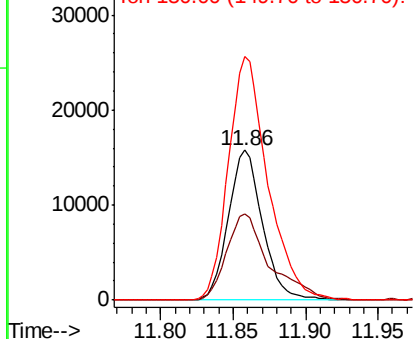
Delta R.T. 0.00 min

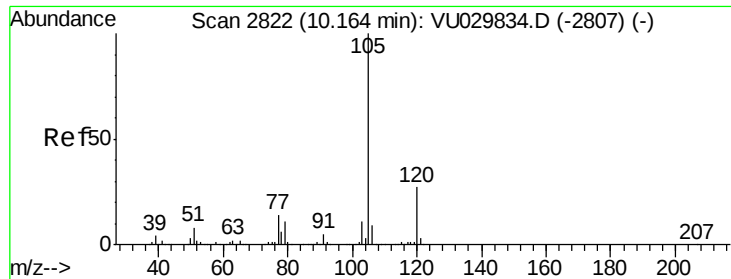
Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Tgt Ion:	152	Resp:	25713
Ion Ratio	Lower	Upper	
152	100		
115	72.2	0.0	124.0
150	187.3	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: 1.886 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 105 Resp: 154359

Ion Ratio Lower Upper

105 100

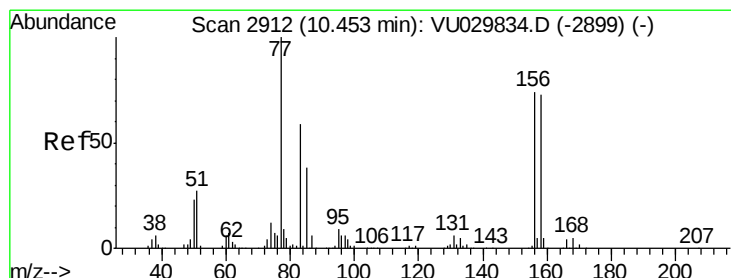
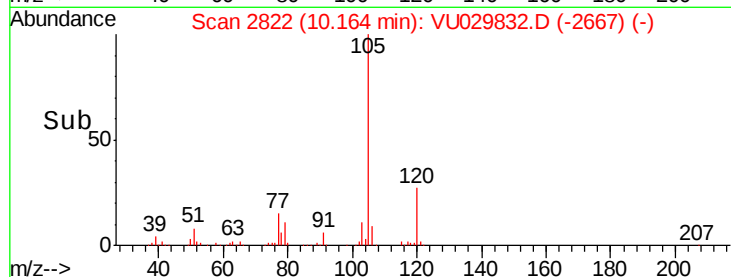
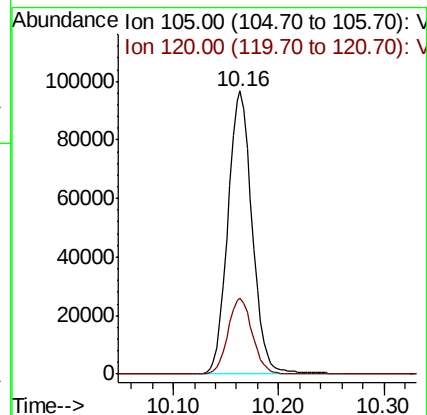
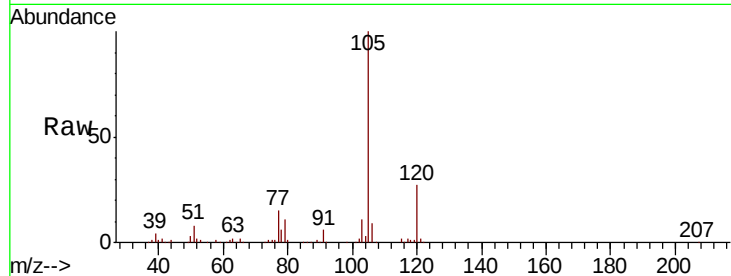
120 27.0 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.902 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

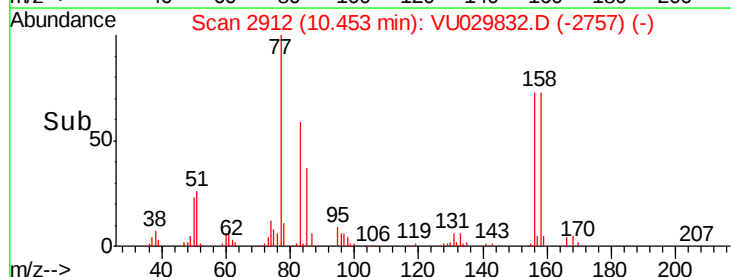
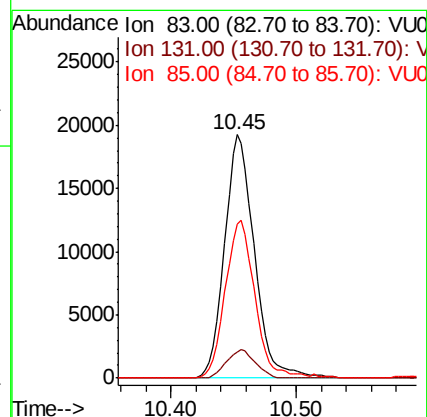
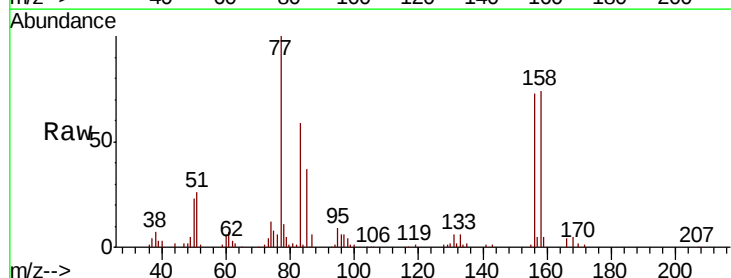
Tgt Ion: 83 Resp: 31674

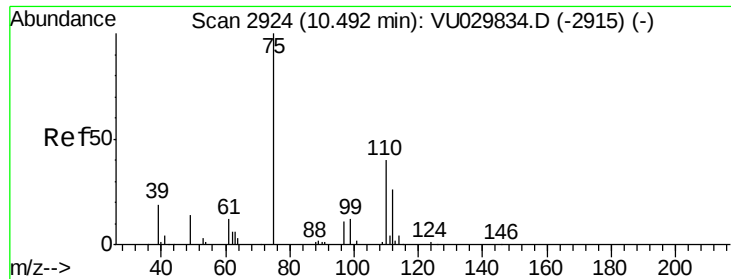
Ion Ratio Lower Upper

83 100

131 11.2 8.3 12.5

85 64.5 52.5 78.7





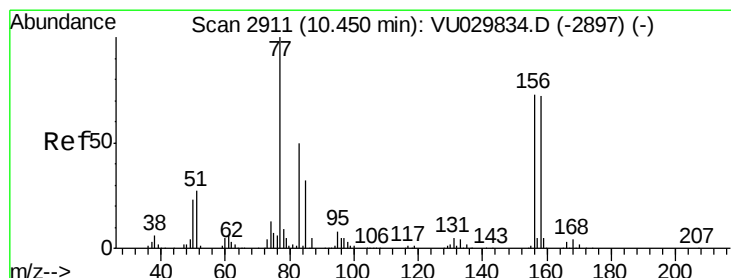
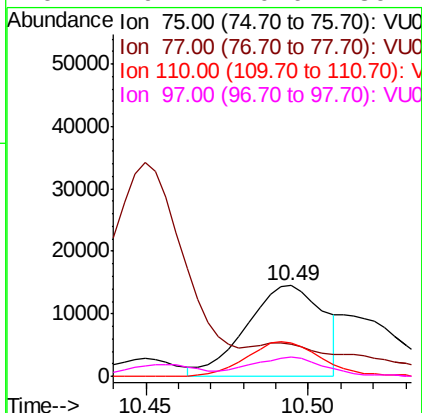
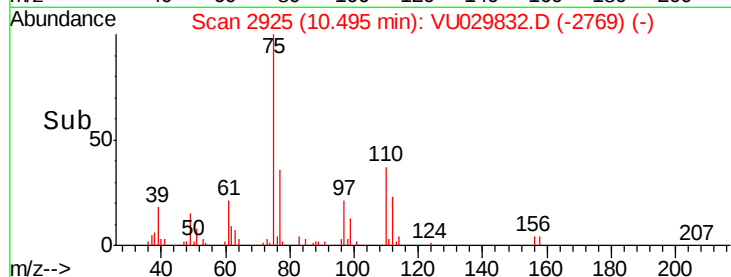
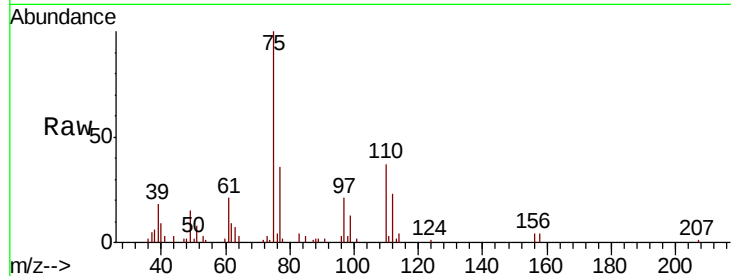
#71
1,2,3-Trichloropropane
Concen: 1.990 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	37.0	0.0	74.8
97	20.2	0.0	39.4

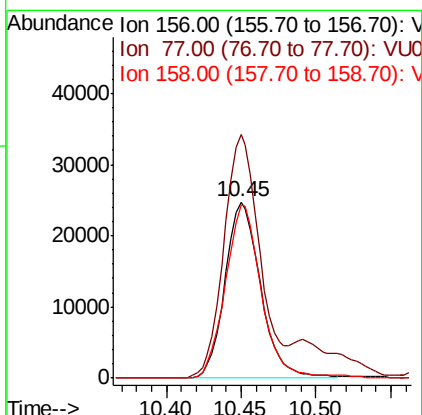
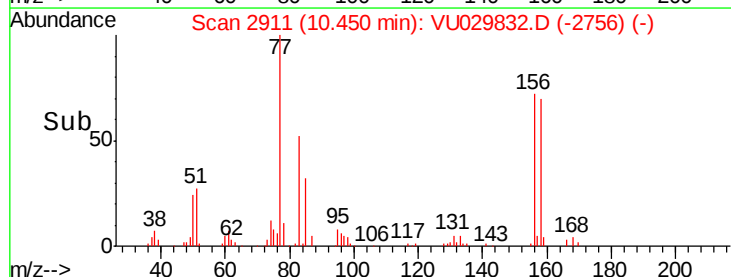
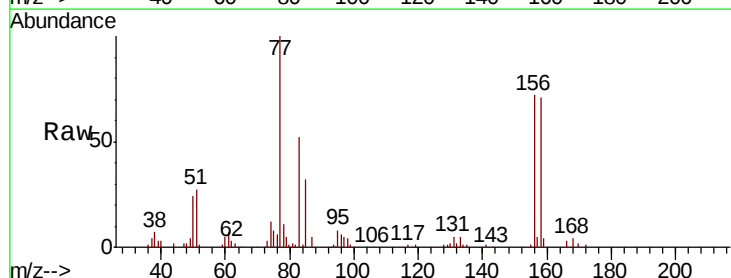
Manual Integrations
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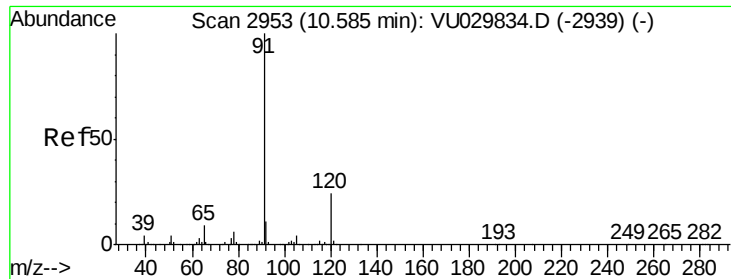
MMDadoda
3/11/2019 4:49:55 PM



#72
Bromobenzene
Concen: 1.902 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
156	100		
77	137.1	0.0	282.2
158	98.2	0.0	196.2





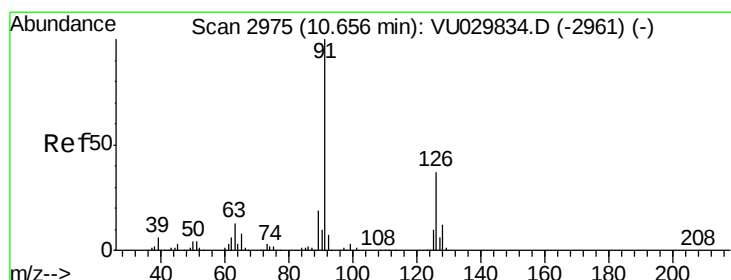
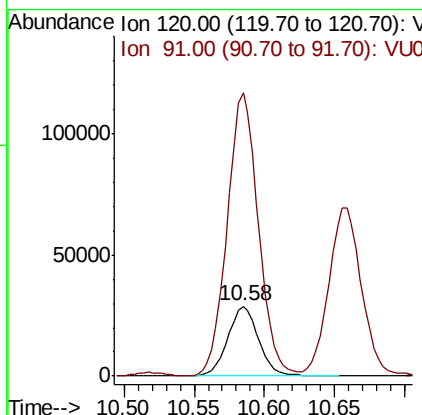
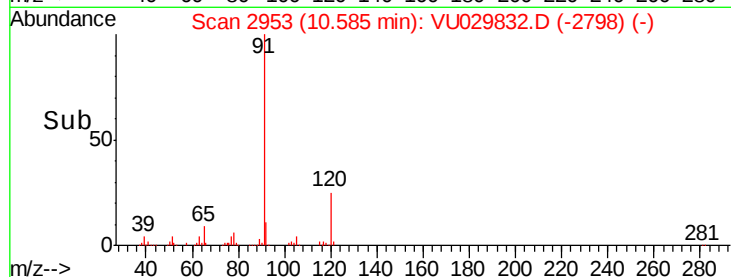
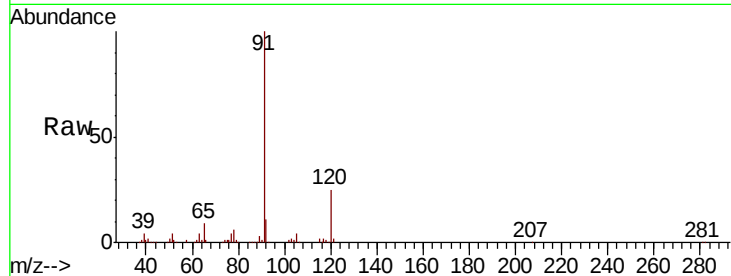
#73
n-propylbenzene
Concen: 1.919 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tgt Ion:120 Resp: 44137
Ion Ratio Lower Upper
120 100
91 407.4 333.4 500.2

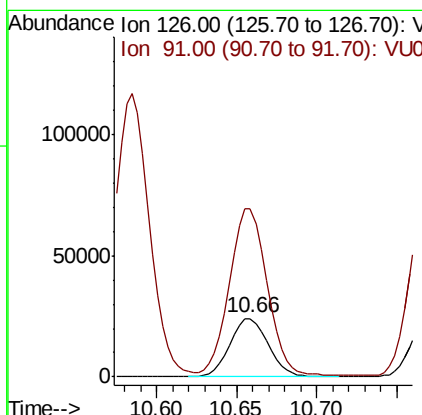
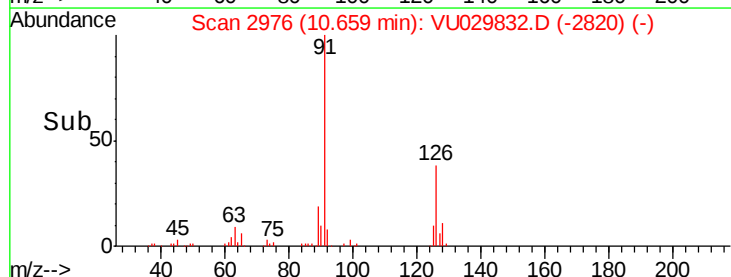
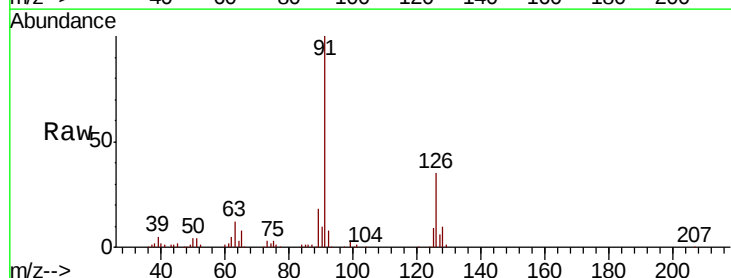
Manual Integrations
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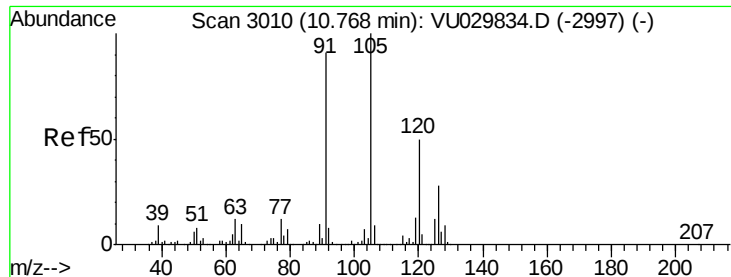
MMDadoda
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#74
2-Chlorotoluene
Concen: 1.936 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion:126 Resp: 39506
Ion Ratio Lower Upper
126 100
91 286.7 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 1.901 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tgt Ion:105 Resp: 131032

Ion Ratio Lower Upper

105 100

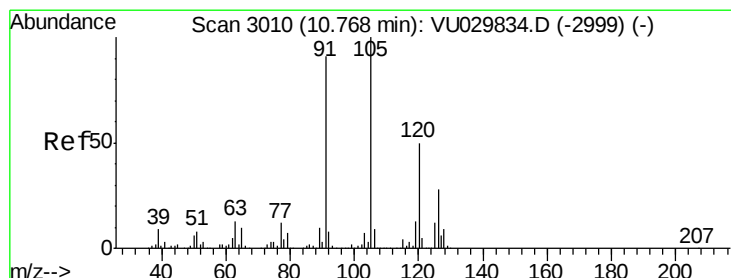
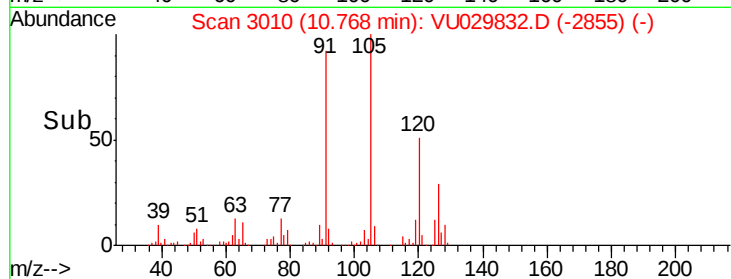
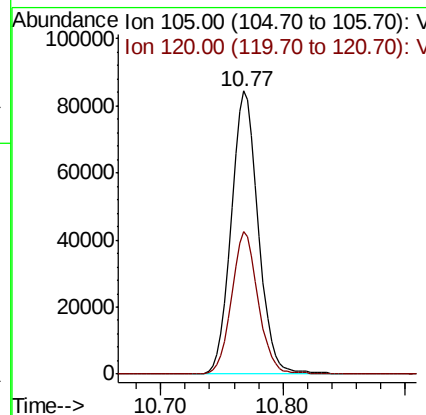
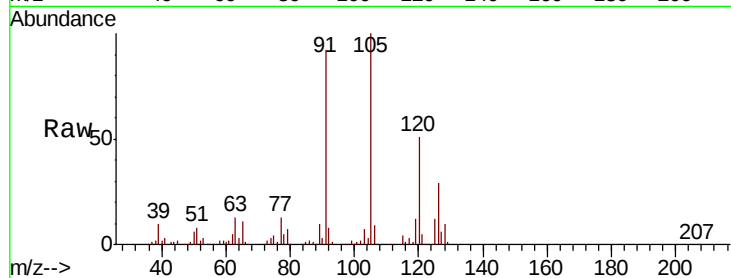
120 49.5 40.0 60.0

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#76

4-Chlorotoluene

Concen: 1.878 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029832.D

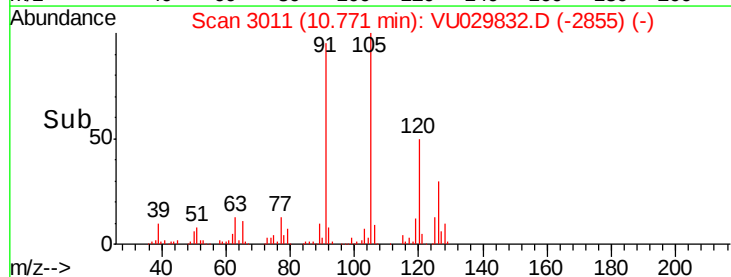
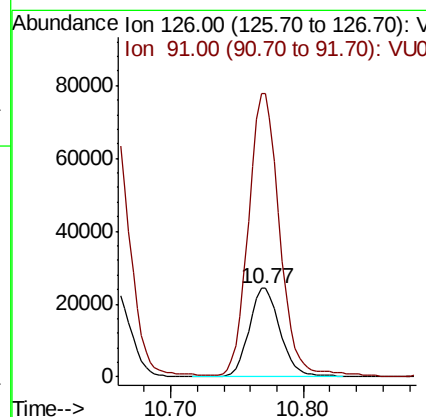
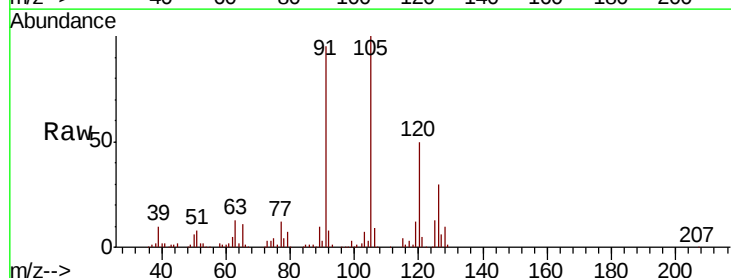
Acq: 06 Mar 2019 10:20

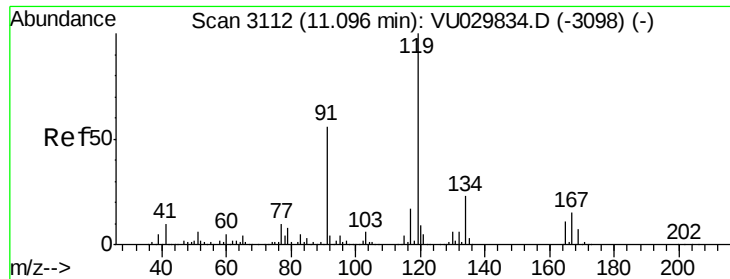
Tgt Ion:126 Resp: 39075

Ion Ratio Lower Upper

126 100

91 323.7 0.0 634.8





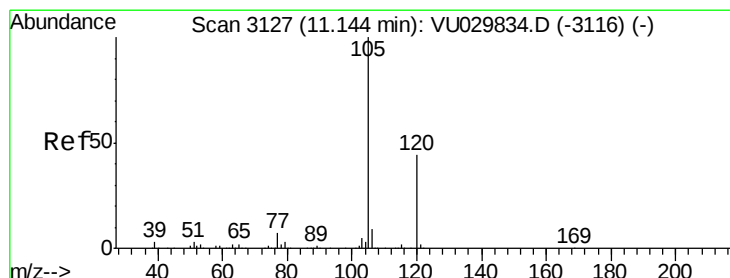
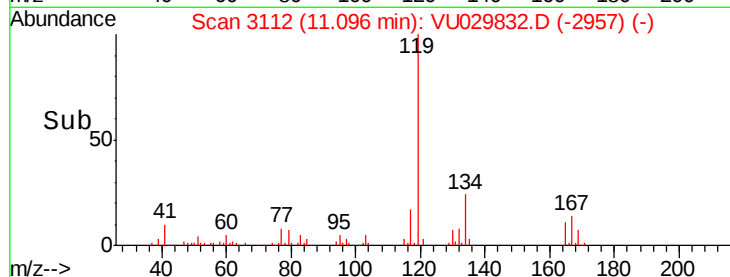
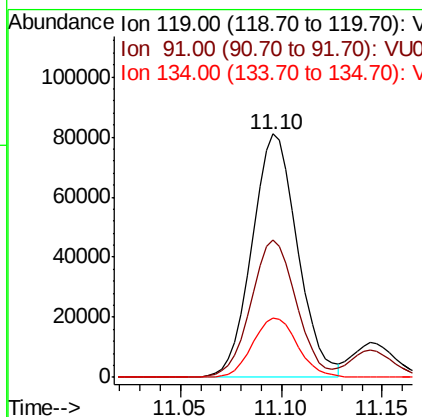
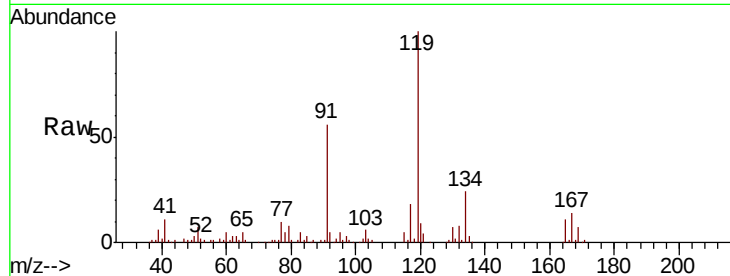
#77
 tert-Butylbenzene
 Concen: 1.873 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	127785		
91	56.2	27.7	83.1	
134	24.2	18.7	28.1	

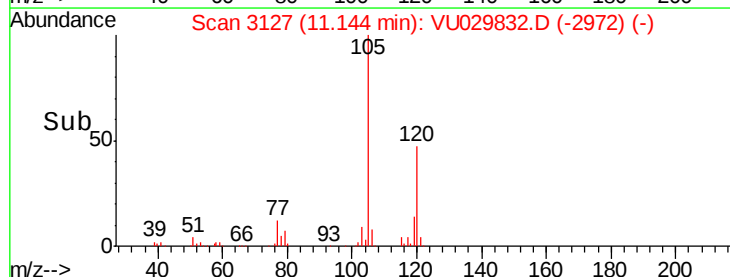
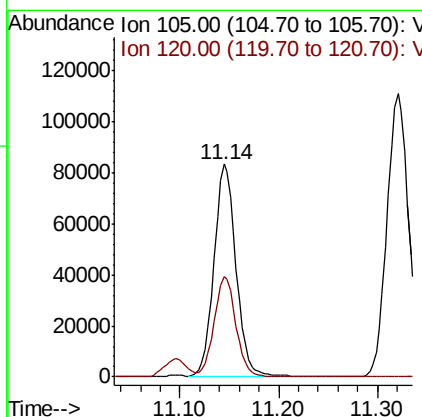
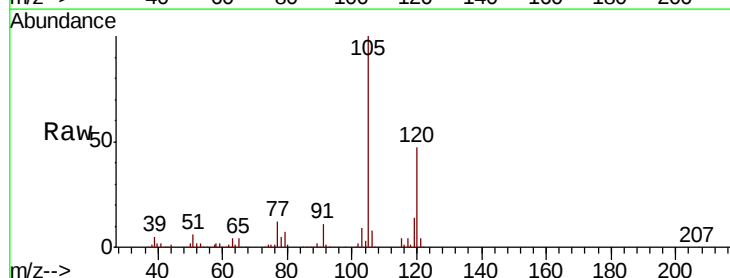
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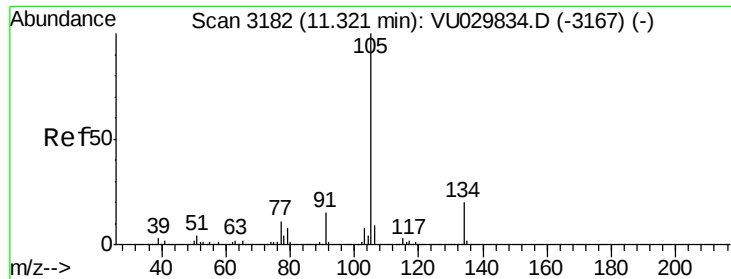
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#78
 1,2,4-Trimethylbenzene
 Concen: 1.876 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	130701		
120	47.0	23.5	70.5	





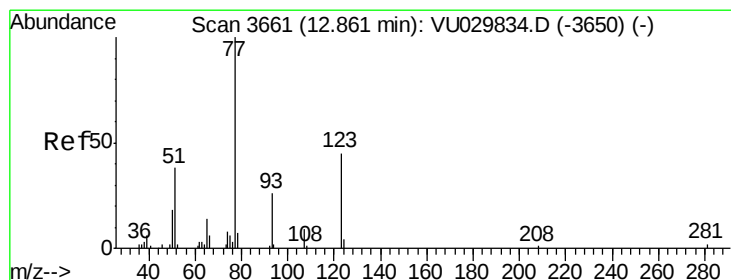
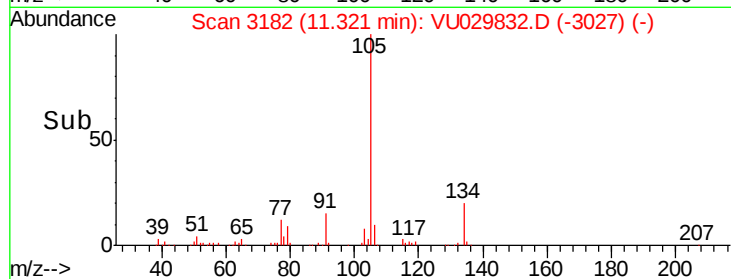
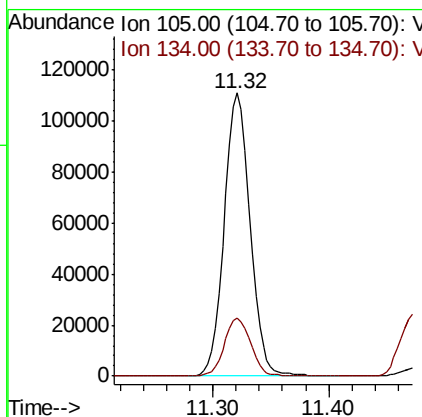
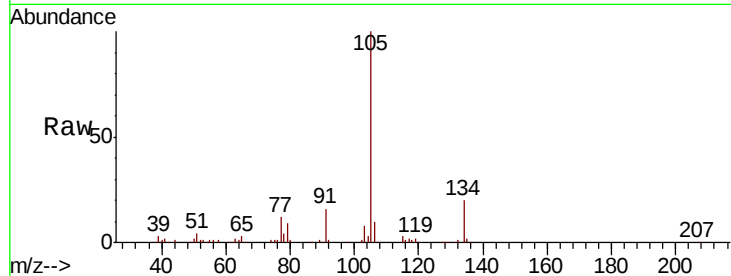
#79
 sec-Butylbenzene
 Concen: 1.905 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	16.3	24.5

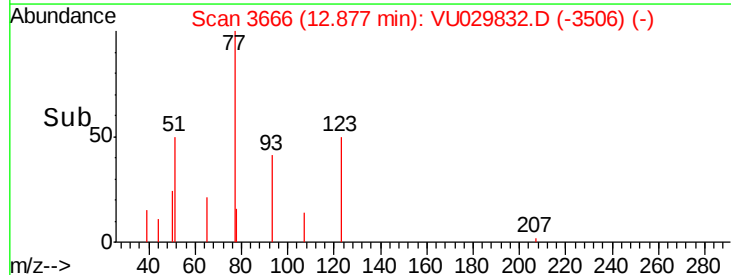
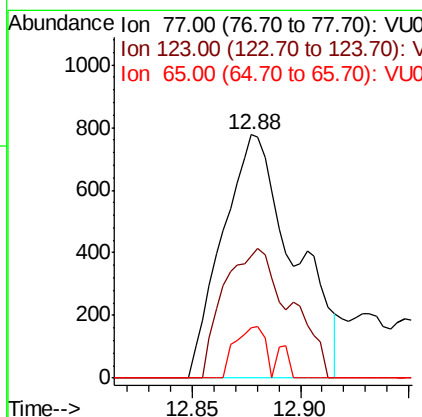
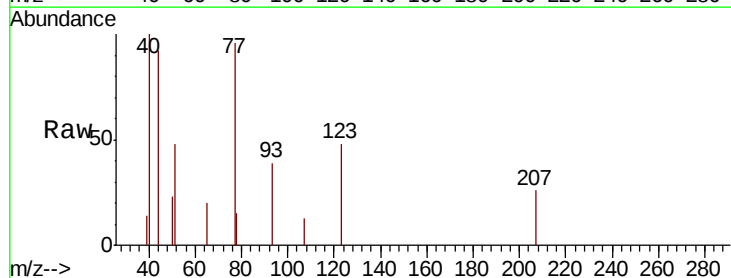
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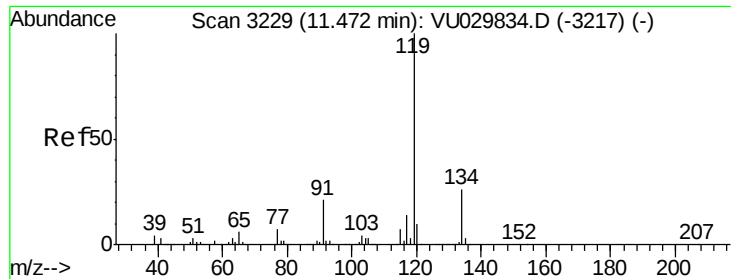
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#80
 Nitrobenzene
 Concen: 5.645 ug/l m
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.02 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.3	20.2	71.4
65	8.8	14.0	17.8#





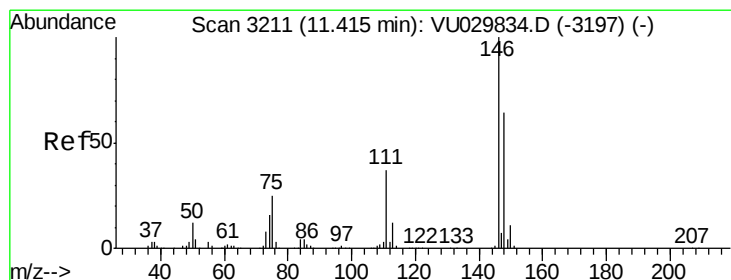
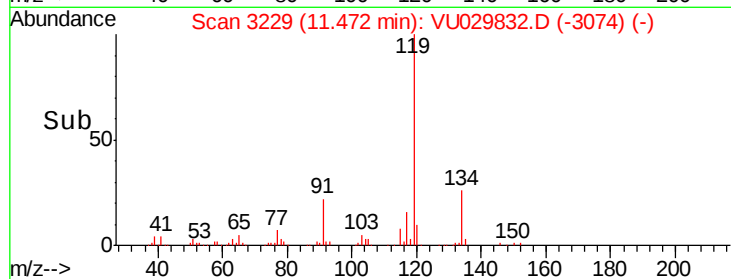
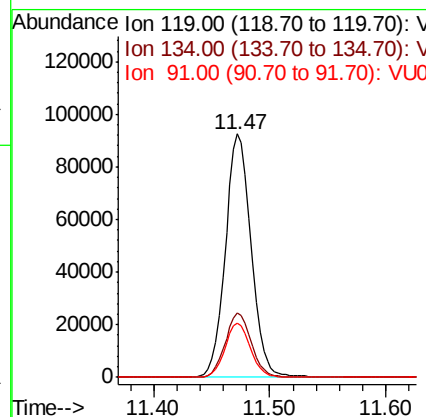
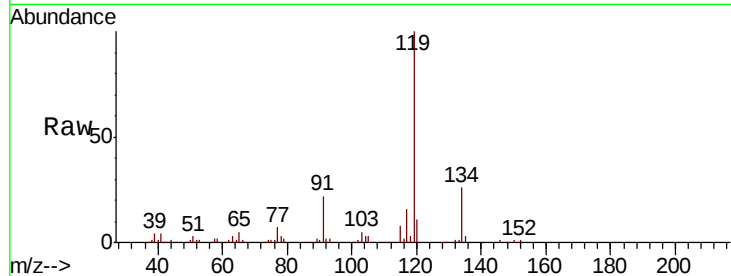
#81
p-Isopropyltoluene
Concen: 1.889 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	22.2	17.2	25.8

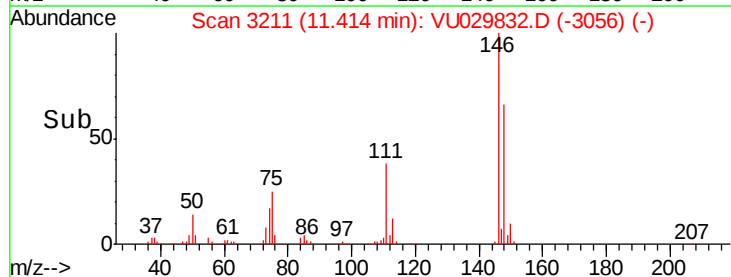
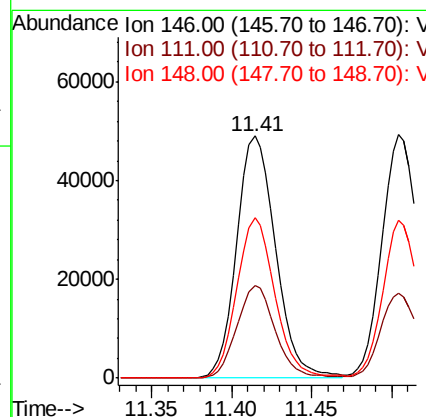
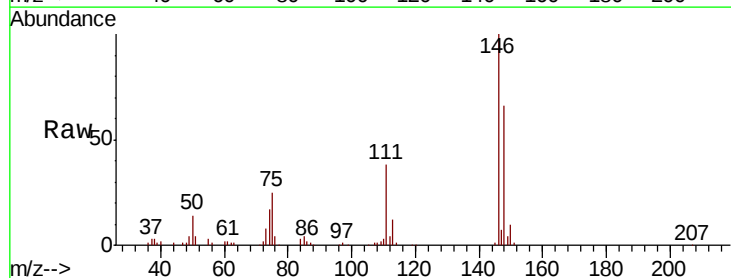
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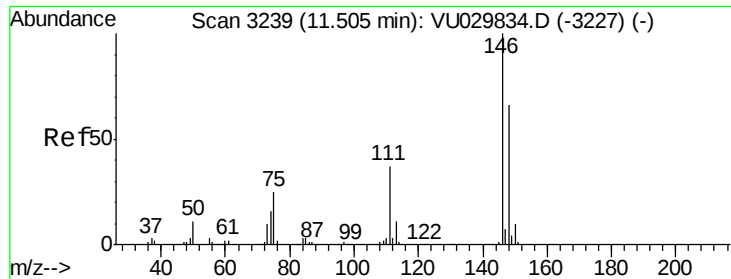
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#82
1,3-Dichlorobenzene
Concen: 1.895 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	30.2	45.4
148	64.4	51.2	76.8





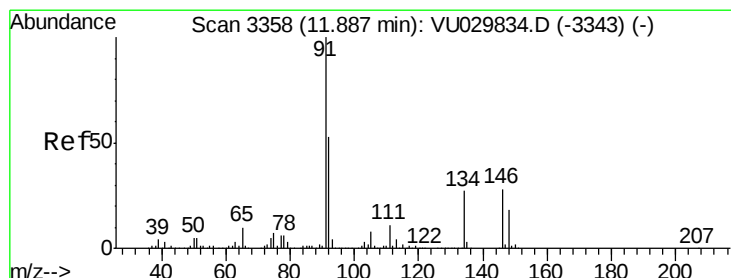
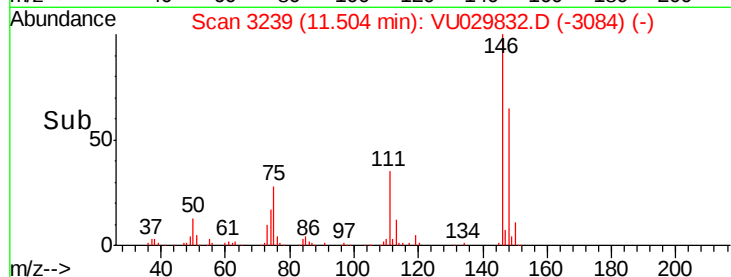
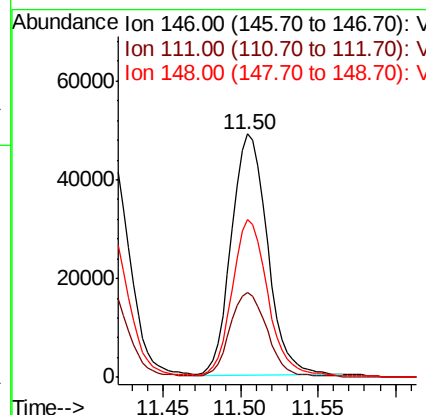
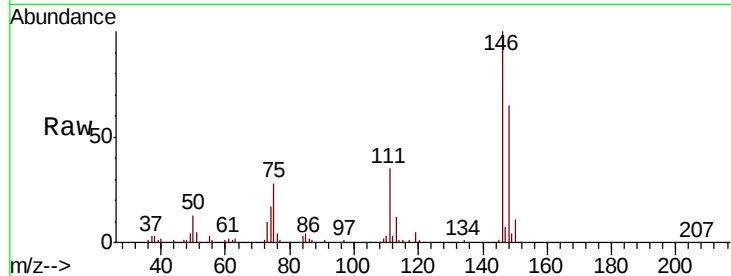
#83
1,4-Dichlorobenzene
Concen: 1.889 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	29.4	44.2
148	64.5	51.7	77.5

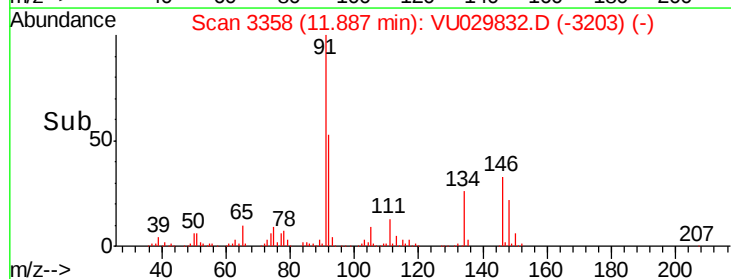
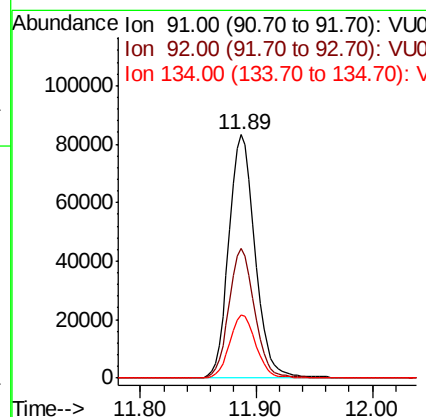
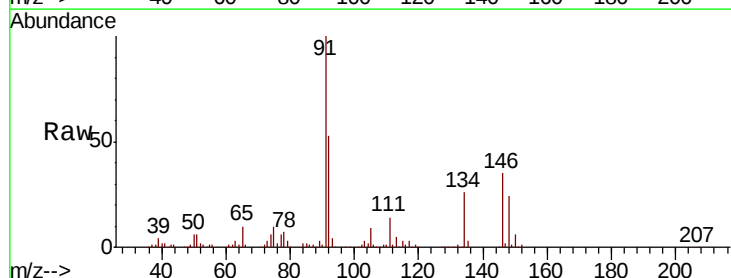
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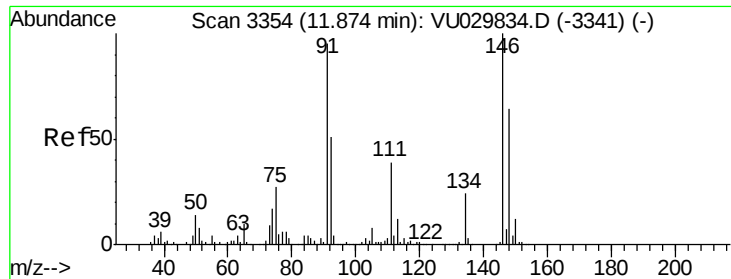
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#84
n-Butylbenzene
Concen: 1.884 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	42.6	63.8
134	25.9	21.7	32.5





#85

1,2-Dichlorobenzene

Concen: 1.896 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Instrument :

MSVOA_U

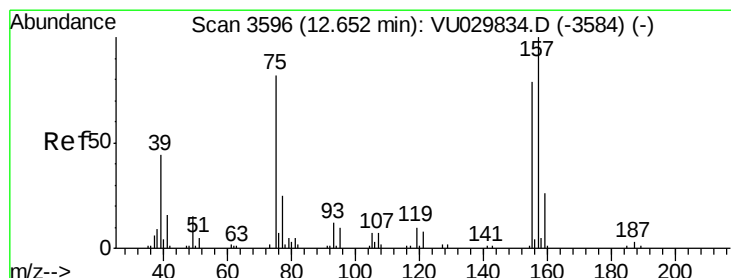
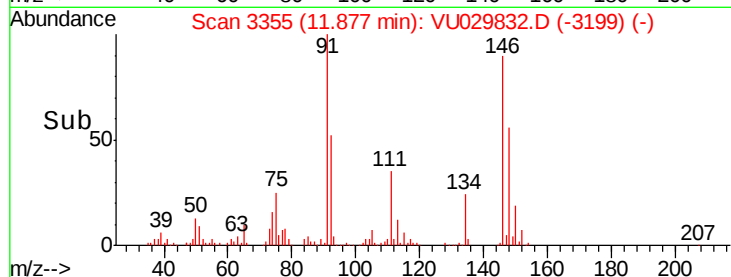
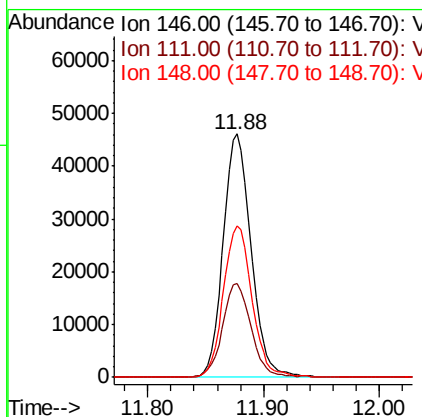
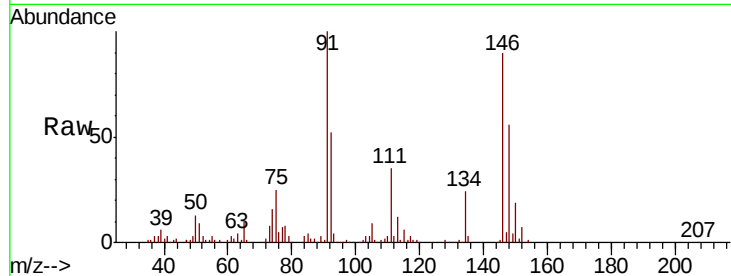
ClientSampleId :

VSTDIC002

Tgt Ion:	146	Resp:	76699
Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.1	32.1	96.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.833 ug/l

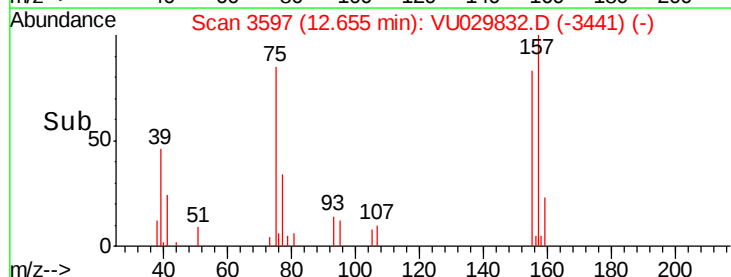
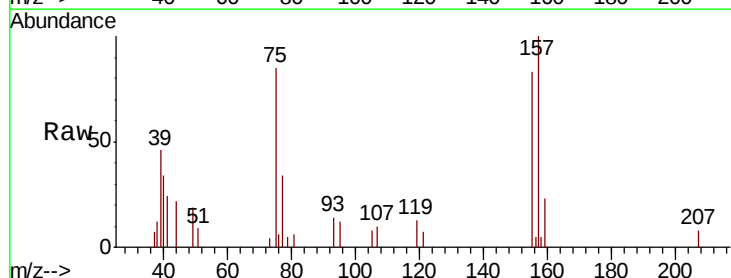
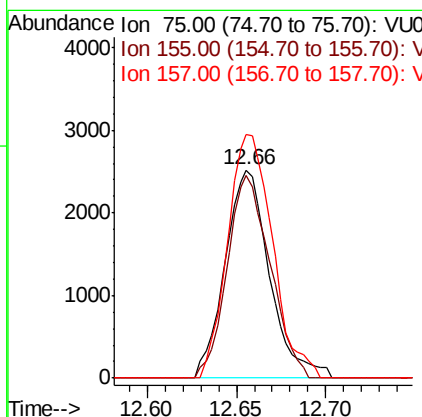
RT: 12.66 min Scan# 3597

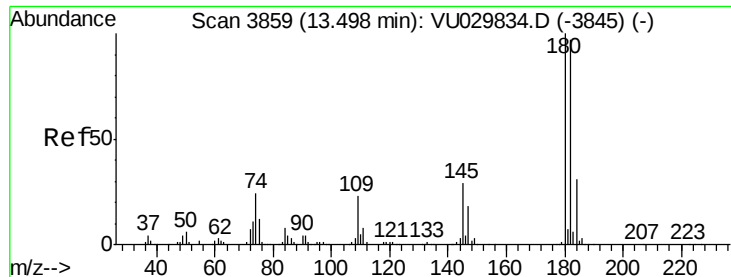
Delta R.T. 0.00 min

Lab File: VU029832.D

Acq: 06 Mar 2019 10:20

Tgt Ion:	75	Resp:	4358
Ion	Ratio	Lower	Upper
75	100		
155	94.0	76.6	114.8
157	118.2	96.2	144.2





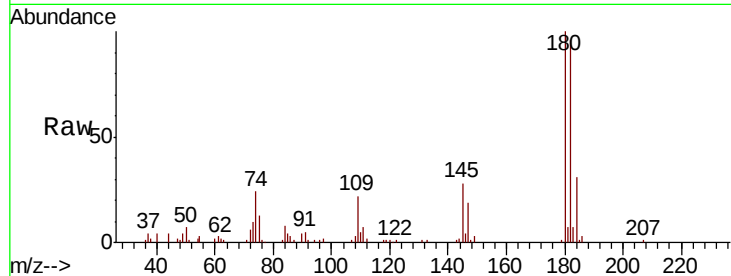
#87
 1,2,4-Trichlorobenzene
 Concen: 1.867 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

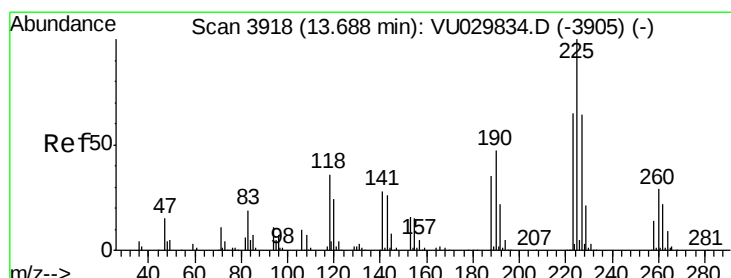
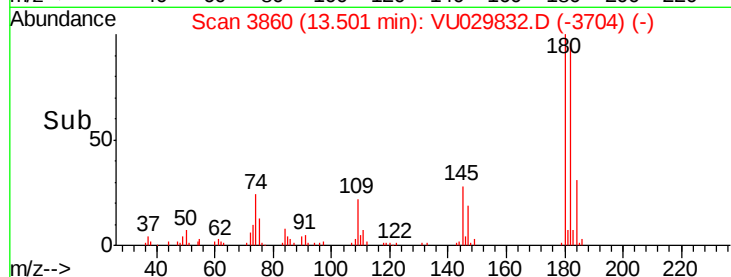
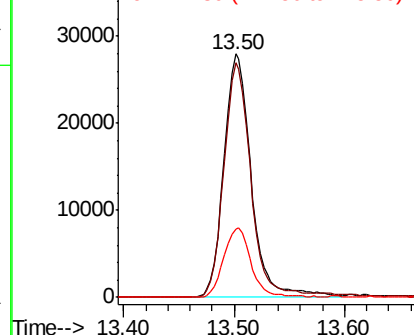
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.5	116.3
145	28.3	23.6	35.4

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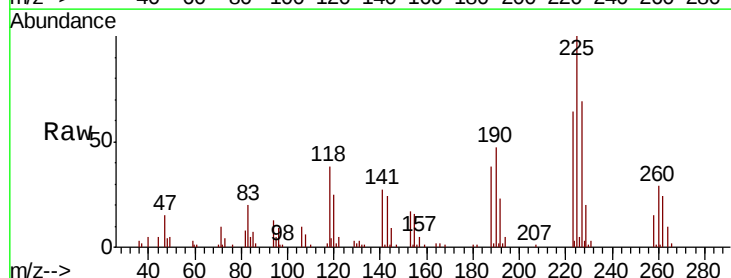


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

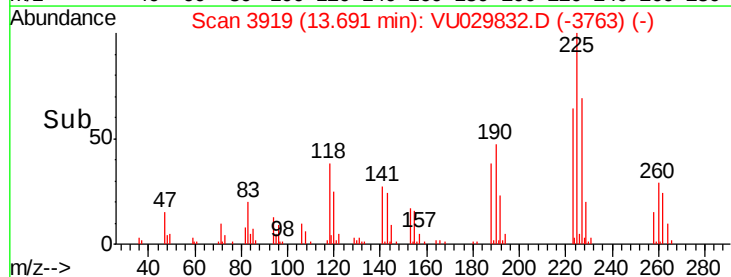
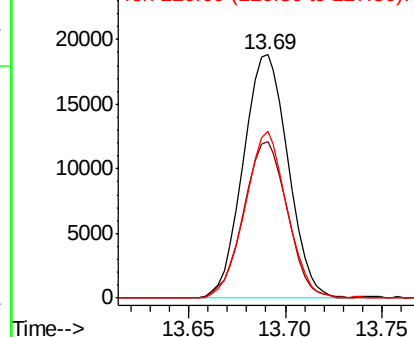


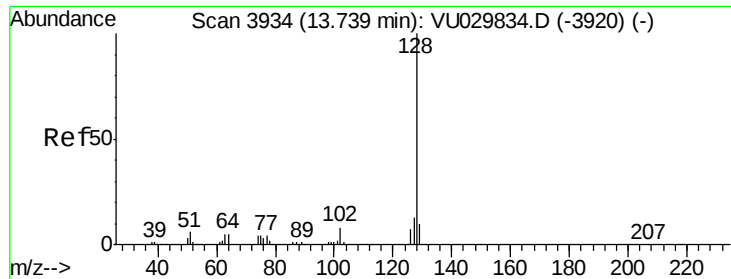
#88
 Hexachlorobutadiene
 Concen: 1.861 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029832.D
 Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.2	76.8
227	64.0	50.9	76.3



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





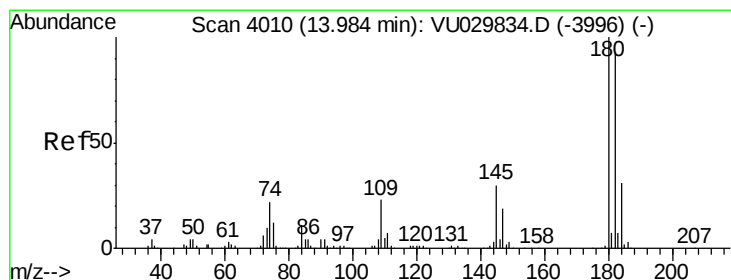
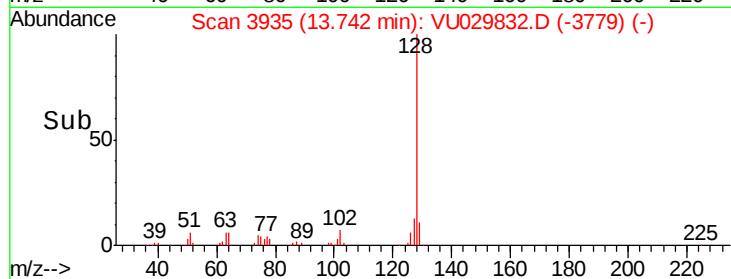
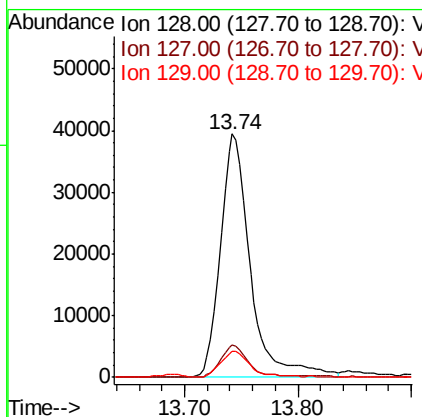
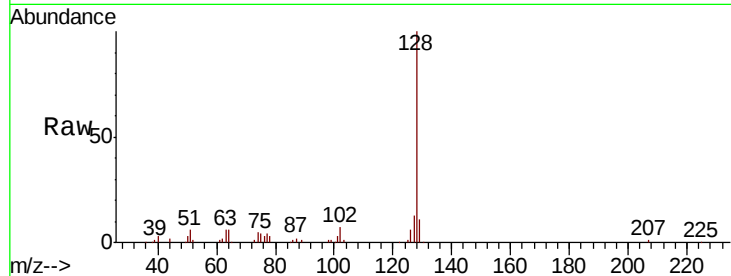
#89
Naphthalene
Concen: 1.753 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	10.4	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 1.883 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029832.D
Acq: 06 Mar 2019 10:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	74.8	112.2
145	31.9	24.6	36.8

