

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029831.D
 Acq On : 06 Mar 2019 09:53
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Mar 08 01:26:46 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	58649	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20948	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25867	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	21532	1.097	ug/l	98
3) Chloromethane	1.33	50	19015	1.088	ug/l	100
4) Vinyl Chloride	1.40	62	20014	1.018	ug/l	98
5) Bromomethane	1.63	94	16018	1.193	ug/l	98
6) Chloroethane	1.70	64	12018	1.020	ug/l	99
7) Trichlorofluoromethane	1.88	101	27615	1.031	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	16137	1.035	ug/l	100
9) 1,1-Dichloroethene	2.28	96	15642	1.025	ug/l	94
10) Iodomethane	2.41	142	10680	0.808	ug/l	99
11) Allyl Chloride	2.59	41	22805	1.063	ug/l	98
12) Acrylonitrile	2.94	53	7407	2.227	ug/l	99
13) Acetone	2.32	43	14768	5.361	ug/l	93
14) Carbon Disulfide	2.47	76	52520	1.063	ug/l	100
15) Methylene Chloride	2.70	84	19776	1.080	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	18858	1.094	ug/l	91
17) 1,1-Dichloroethane	3.44	63	31329	1.087	ug/l	96
18) 2-Butanone	4.28	43	19060	5.091	ug/l	95
19) Cyclohexane	4.98	56	22643m	1.035	ug/l	
20) Methylcyclohexane	6.41	83	25414	0.975	ug/l	93
21) 2,2-Dichloropropane	4.22	77	24726	1.049	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	18691	1.023	ug/l	98
23) Diethyl Ether	2.10	59	11637	1.017	ug/l	91
24) tert-Butyl Alcohol	2.84	59	12253	10.386	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	40112	1.044	ug/l	98
26) Bromochloromethane	4.55	128	8641	1.066	ug/l	98
27) Chloroform	4.67	83	30804	1.055	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	26018	1.051	ug/l	99
29) 1,1-Dichloropropene	5.13	75	22990	1.045	ug/l	99
30) Carbon Tetrachloride	5.13	117	22095	1.023	ug/l	91
31) Isopropyl Ether	3.57	45	41840	1.052	ug/l	95
32) Ethyl-t-butyl ether	4.07	59	39792	1.029	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	35656	0.997	ug/l	98
34) Propionitrile	4.34	54	5472	4.913	ug/l #	85
35) Benzene	5.38	78	66372	1.024	ug/l	99
36) 1,2-Dichloroethane	5.40	62	18794	1.062	ug/l	99
37) Trichloroethene	6.18	130	19606	1.036	ug/l	97
38) 1,2-Dichloropropane	6.43	63	16927	1.032	ug/l	100
39) Methacrylonitrile	4.56	41	5106	1.090	ug/l	89
40) Methyl acrylate	4.43	55	7324	0.989	ug/l #	94
41) Tetrahydrofuran	4.65	42	5148	2.101	ug/l	93
42) 1-Chlorobutane	5.06	56	29173	1.038	ug/l	100

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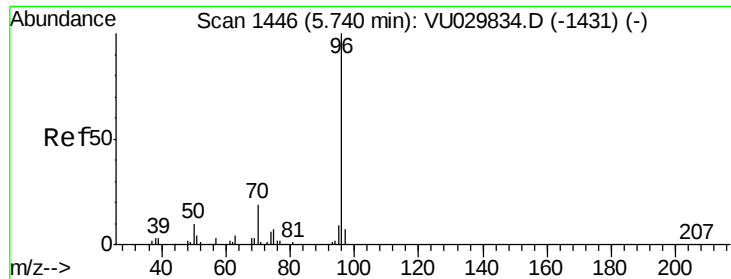
Manual Integrations
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Quant Time: Mar 08 01:26:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	8976	1.056	ug/l	99
44) Bromodichloromethane	6.75	83	21412	1.025	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	44901	5.064	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	7018m	1.818	ug/l	
47) Methyl methacrylate	6.63	69	14795	2.028	ug/l	97
48) Ethyl methacrylate	8.02	69	12862	0.920	ug/l	91
49) Toluene	7.63	92	39378	0.989	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	17896	0.978	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	22096	0.975	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	12824	1.019	ug/l	94
53) 1,3-Dichloropropane	8.24	76	22347	1.083	ug/l	99
54) 2-Hexanone	8.37	43	30050	4.880	ug/l	99
55) Dibromochloromethane	8.47	129	14941	1.000	ug/l	98
56) 1,2-Dibromoethane	8.59	107	12404	1.040	ug/l	99
58) Tetrachloroethene	8.22	164	19704	1.020	ug/l	92
59) Chlorobenzene	9.12	112	46474	1.016	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	16543	1.008	ug/l	99
61) Pentachloroethane	11.10	117	11314	0.990	ug/l	100
62) Hexachloroethane	12.14	117	11765	0.979	ug/l	95
63) Ethyl Benzene	9.25	91	73236	0.977	ug/l	98
64) m/p-Xylenes	9.37	106	58073	1.961	ug/l	99
65) o-Xylene	9.77	106	27437	0.964	ug/l	97
66) Styrene	9.79	104	45559	0.964	ug/l	99
67) Bromoform	9.96	173	8431	0.961	ug/l	98
69) Isopropylbenzene	10.16	105	73876	0.979	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	15487	1.009	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	10985m	0.988	ug/l	
72) Bromobenzene	10.45	156	20090	1.006	ug/l	97
73) n-propylbenzene	10.58	120	19849	0.936	ug/l	92
74) 2-Chlorotoluene	10.66	126	18575	0.987	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	60655	0.954	ug/l	98
76) 4-Chlorotoluene	10.77	126	18892	0.985	ug/l	100
77) tert-Butylbenzene	11.10	119	62072	0.987	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	62126	0.967	ug/l	97
79) sec-Butylbenzene	11.32	105	80345	0.964	ug/l	98
81) p-Isopropyltoluene	11.47	119	64478	0.924	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	39989	1.011	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	38044	0.985	ug/l	98
84) n-Butylbenzene	11.89	91	59469	0.936	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	38699	1.038	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2191	1.000	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	22937	0.961	ug/l	95
88) Hexachlorobutadiene	13.69	225	16178	1.076	ug/l	93
89) Naphthalene	13.74	128	33723	0.884	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	22526	1.004	ug/l	93

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



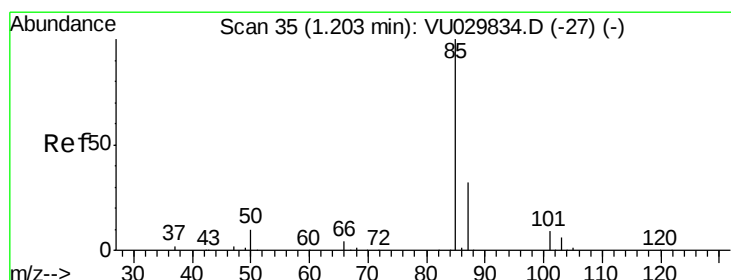
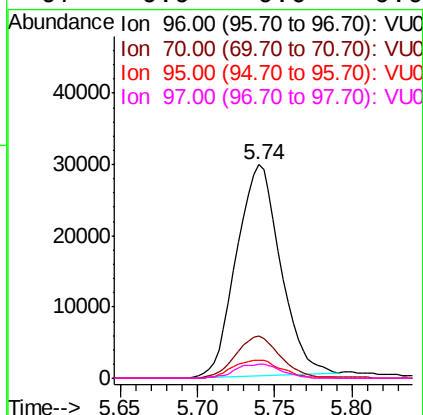
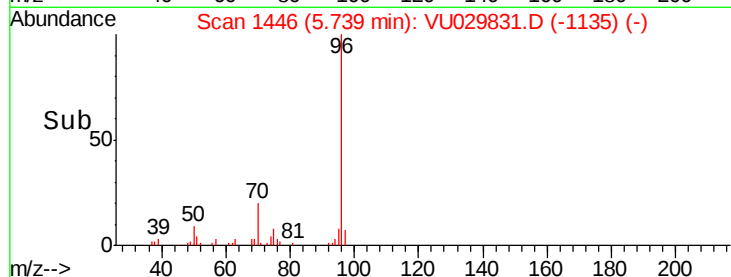
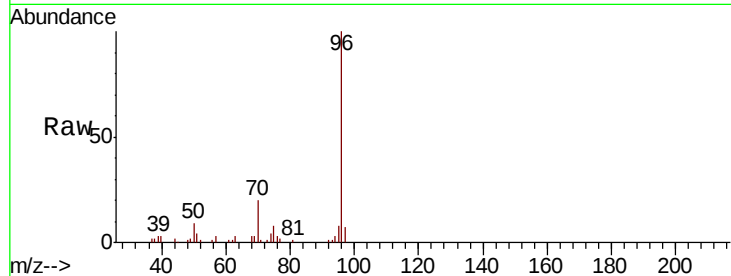
#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.74 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	96	Resp:	58649
Ion	Ratio	Lower	Upper
96	100		
70	19.2	14.4	21.6
95	9.5	7.0	10.6
97	6.9	0.0	0.0#

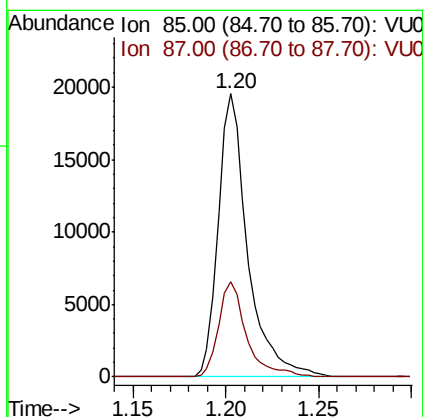
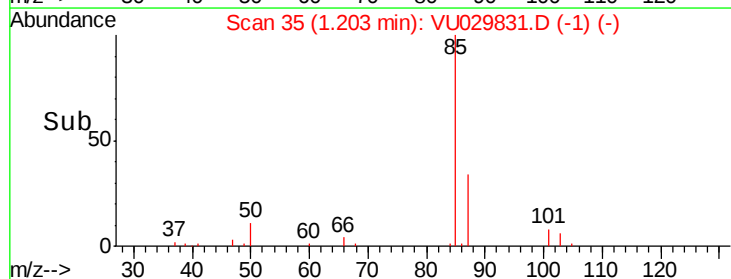
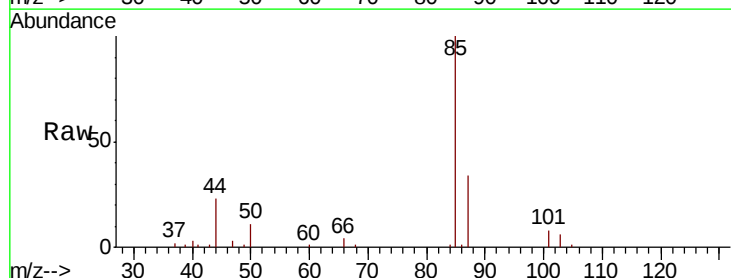
Manual Integrations
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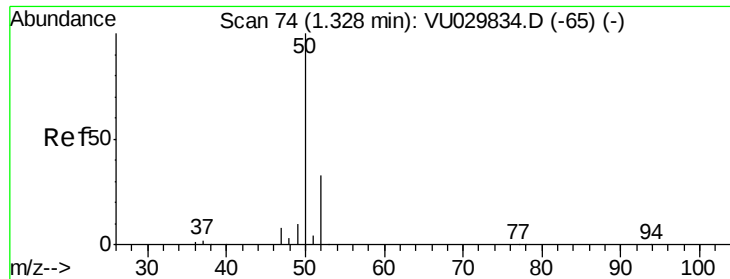
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#2
 Dichlorodifluoromethane
 Concen: 1.097 ug/l
 RT: 1.20 min Scan# 35
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion:	85	Resp:	21532
Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.2	48.6





#3

Chloromethane

Concen: 1.088 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 19015

Ion Ratio Lower Upper

50 100

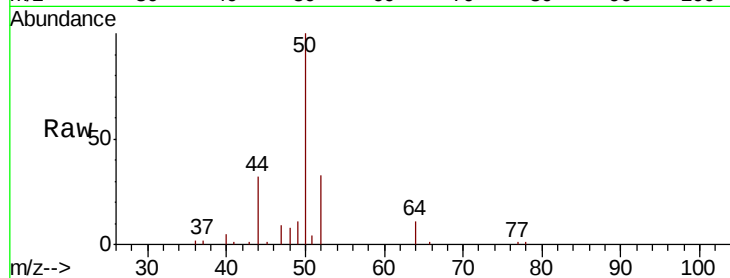
52 33.4 26.5 39.7

Manual Integrations

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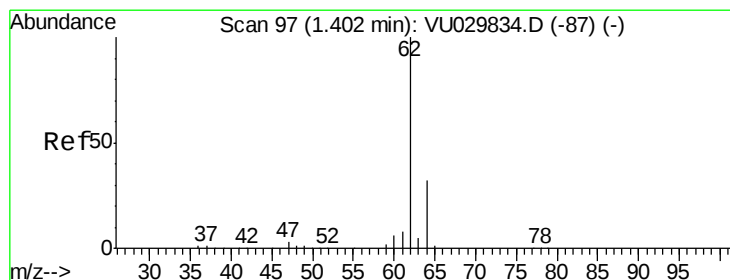
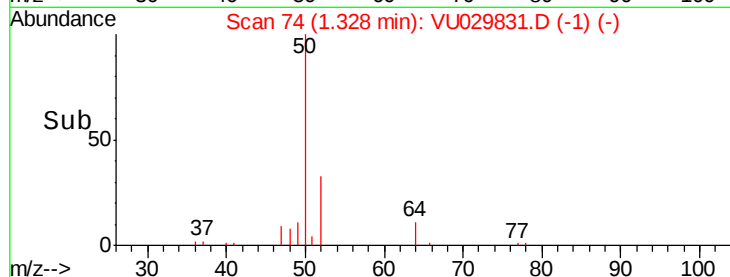
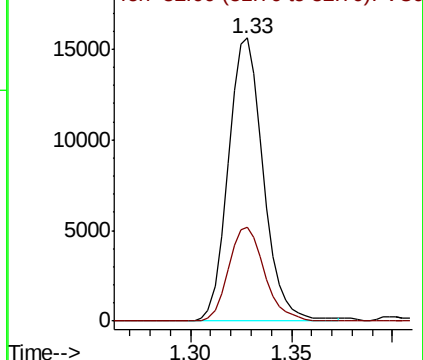
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.018 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029831.D

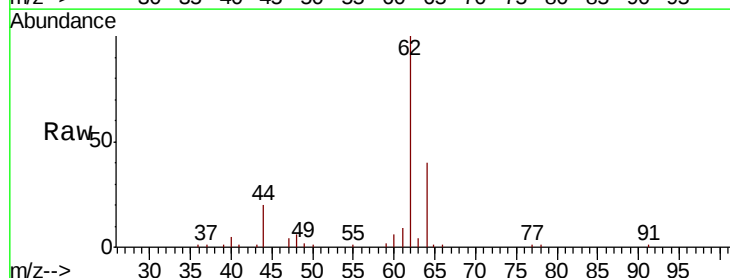
Acq: 06 Mar 2019 09:53

Tgt Ion: 62 Resp: 20014

Ion Ratio Lower Upper

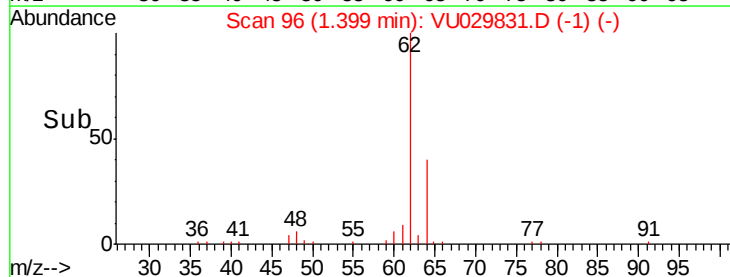
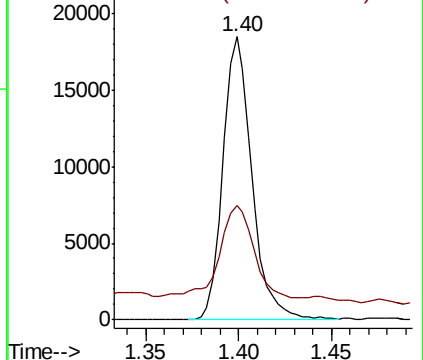
62 100

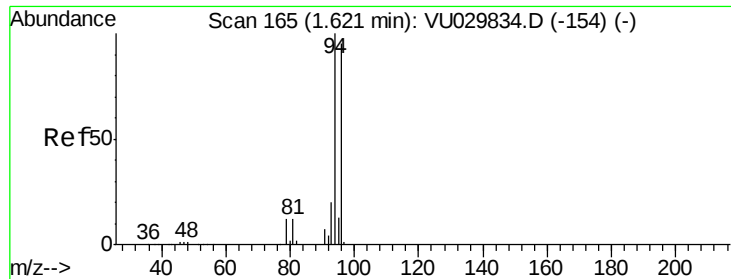
64 33.2 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 1.193 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 16018

Ion Ratio Lower Upper

94 100

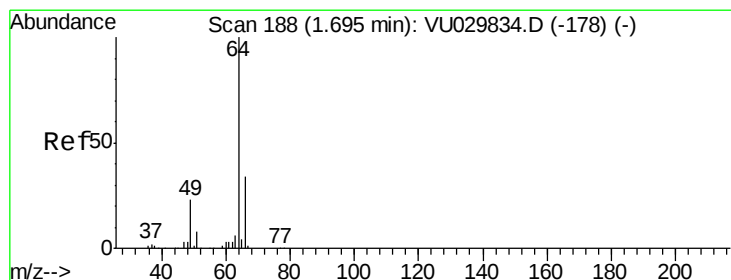
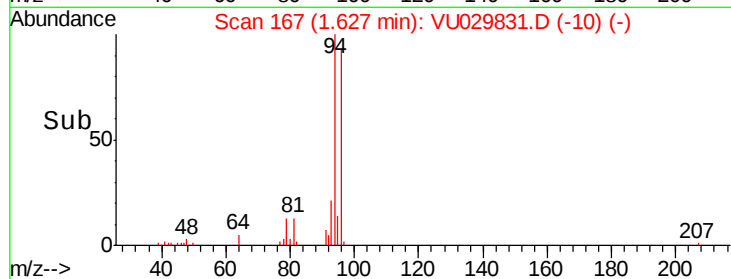
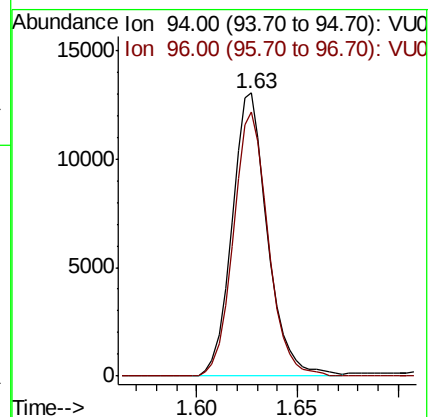
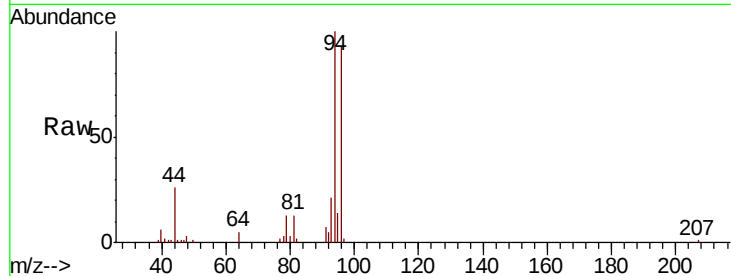
96 93.2 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 1.020 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029831.D

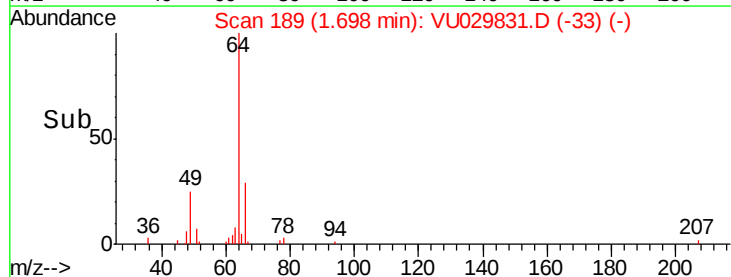
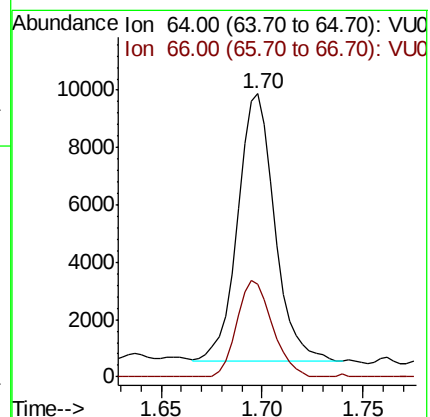
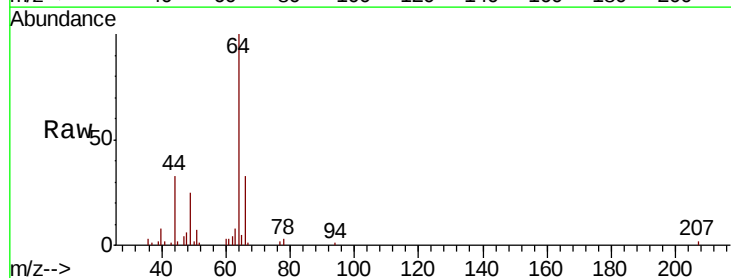
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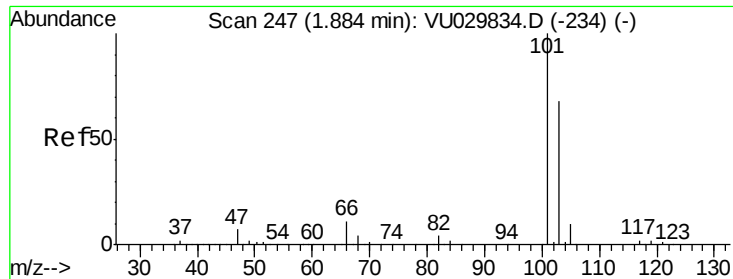
Tgt Ion: 64 Resp: 12018

Ion Ratio Lower Upper

64 100

66 34.7 27.3 40.9





#7

Trichlorofluoromethane

Concen: 1.031 ug/l

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:101 Resp: 27615

Ion Ratio Lower Upper

101 100

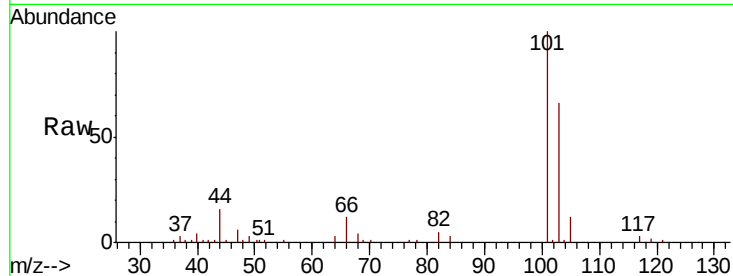
103 65.7 54.2 81.2

Manual Integrations

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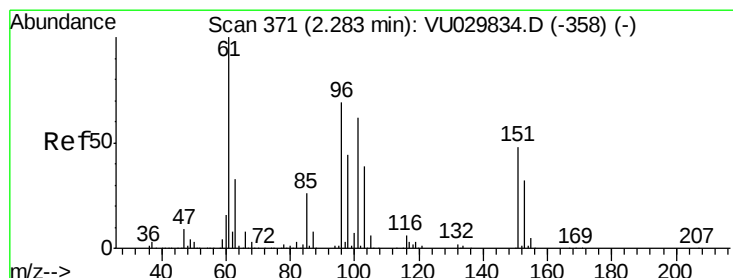
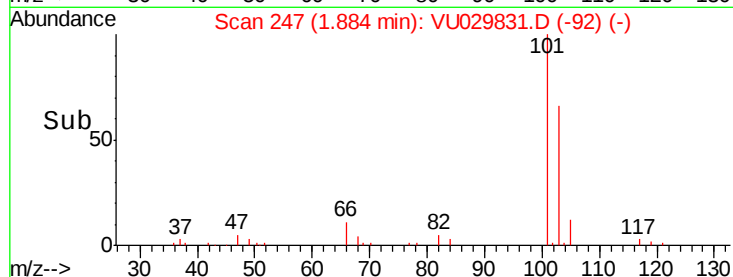
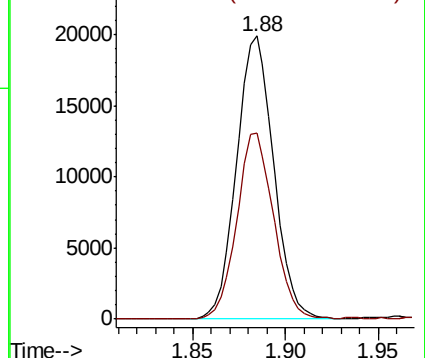
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.035 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

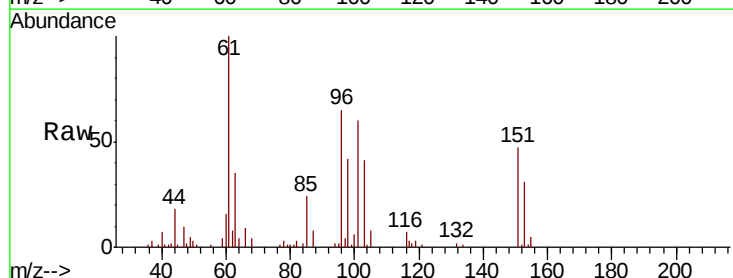
Tgt Ion:101 Resp: 16137

Ion Ratio Lower Upper

101 100

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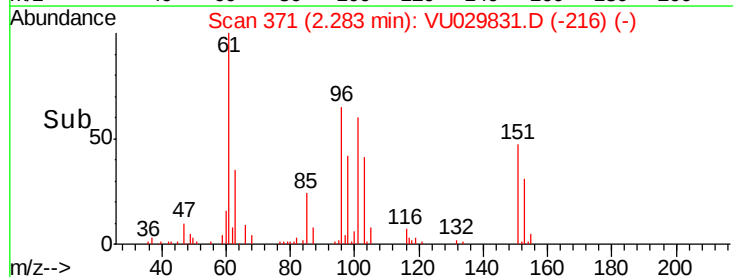
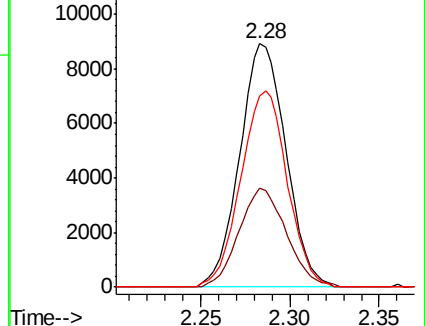
151 81.1 64.6 97.0

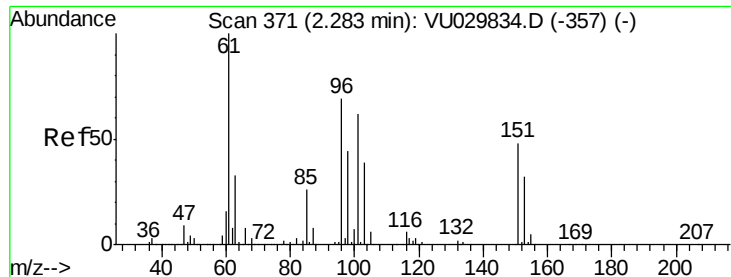


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.025 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

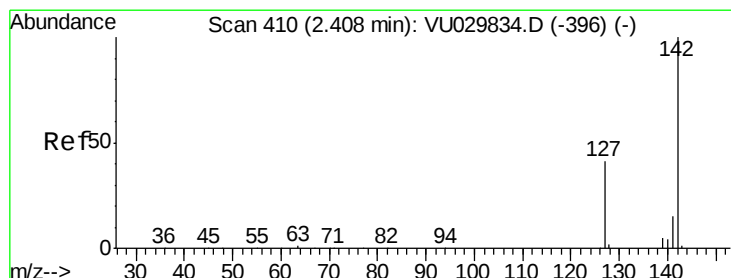
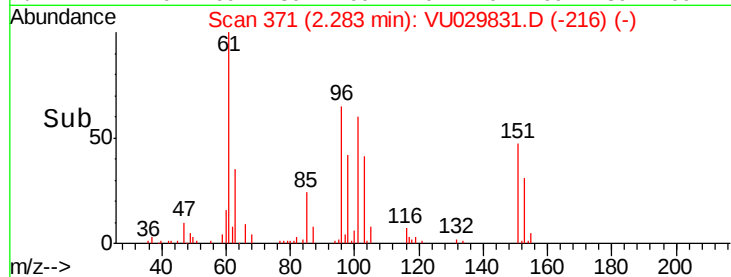
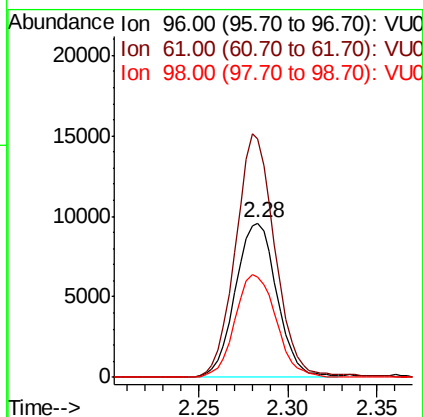
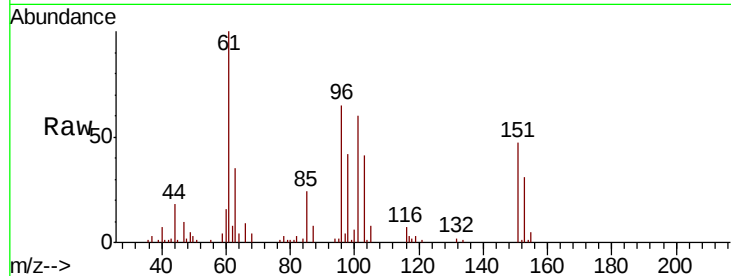
ClientSampleId :

VSTDIC001

Tgt Ion:	96	Resp:	15642
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	435.3
98	65.1	0.0	128.6

Manual Integrations
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#10

Iodomethane

Concen: 0.808 ug/l

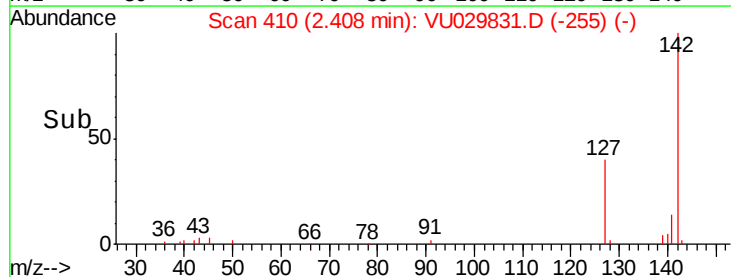
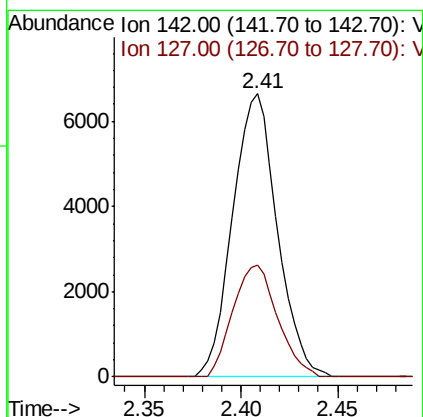
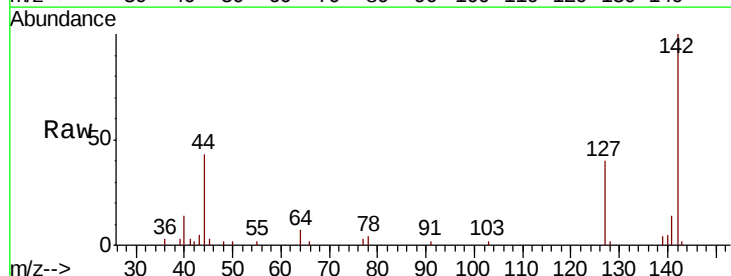
RT: 2.41 min Scan# 410

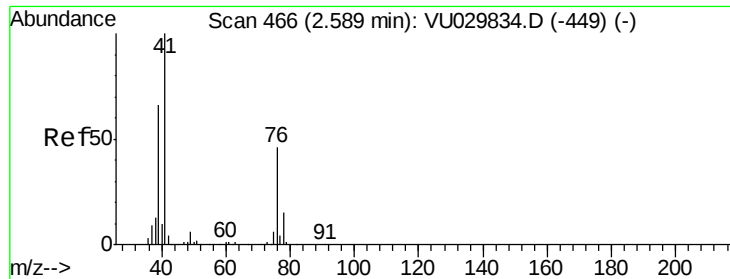
Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Tgt Ion:	142	Resp:	10680
Ion	Ratio	Lower	Upper
142	100		
127	39.6	32.3	48.5





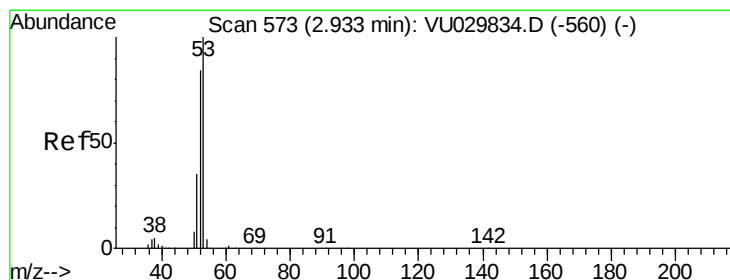
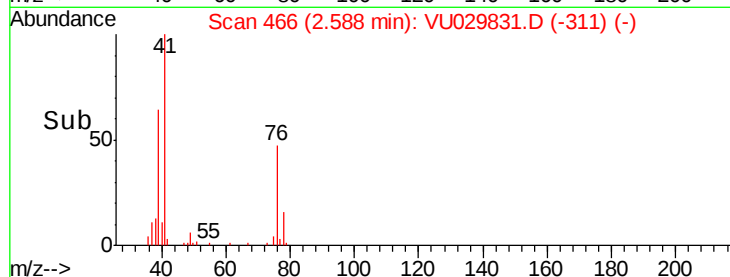
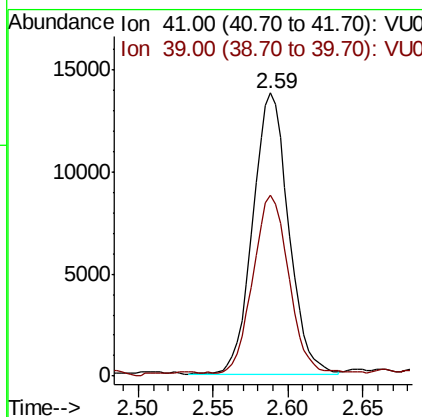
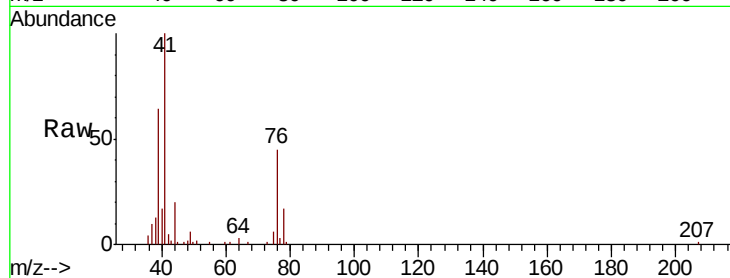
#11
 Allyl Chloride
 Concen: 1.063 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 22805
 Ion Ratio Lower Upper
 41 100
 39 63.1 51.6 77.4

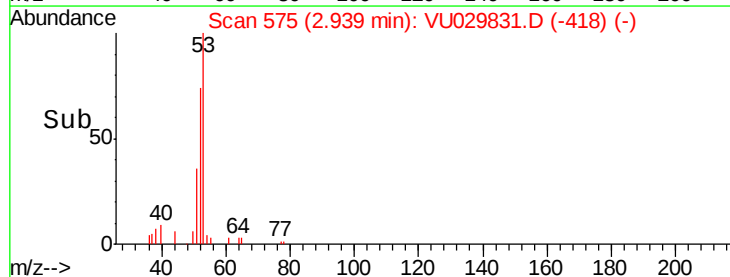
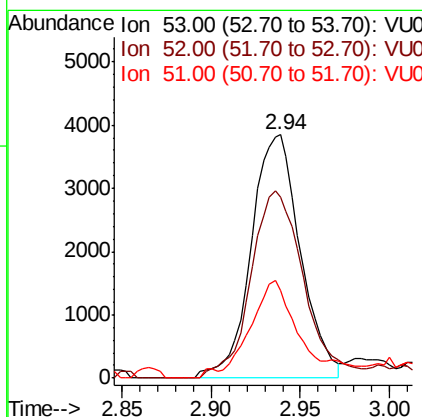
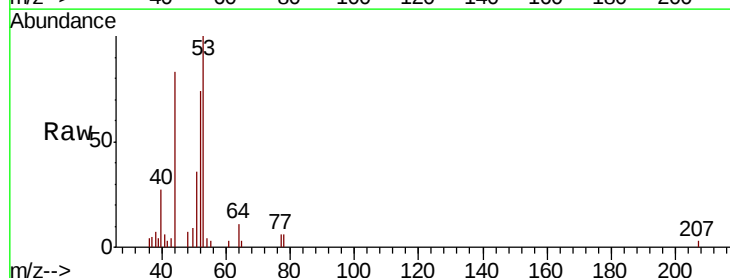
Manual Integrations
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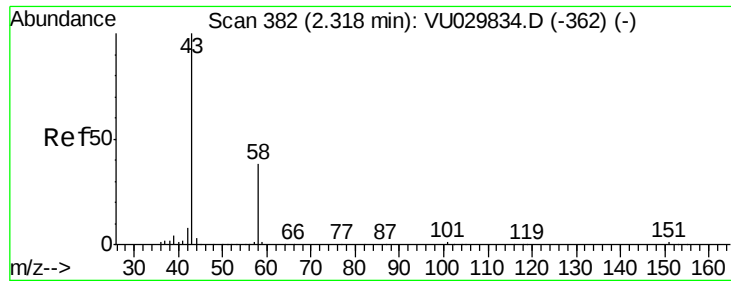
MMDadoda
 3/11/2019 4:49:49 PM



#12
 Acrylonitrile
 Concen: 2.227 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 53 Resp: 7407
 Ion Ratio Lower Upper
 53 100
 52 83.2 66.5 99.7
 51 32.9 28.6 42.8





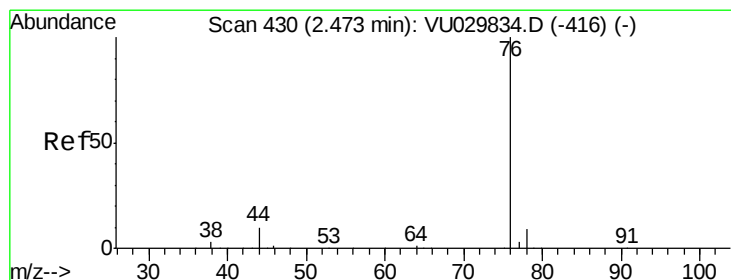
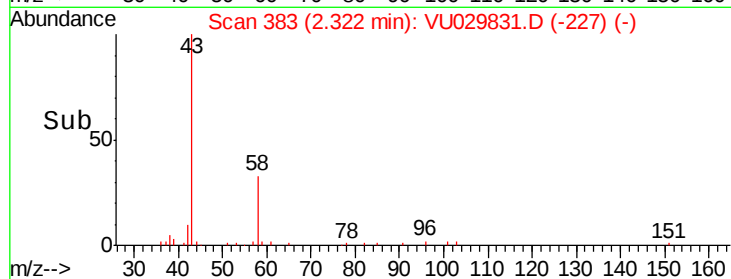
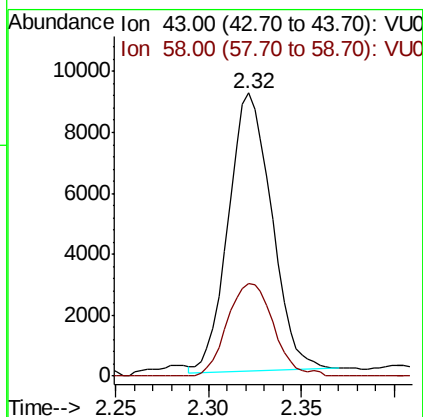
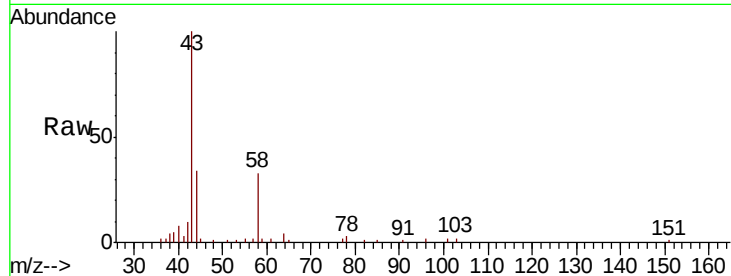
#13
Acetone
Concen: 5.361 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 14768
Ion Ratio Lower Upper
43 100
58 33.6 30.2 45.2

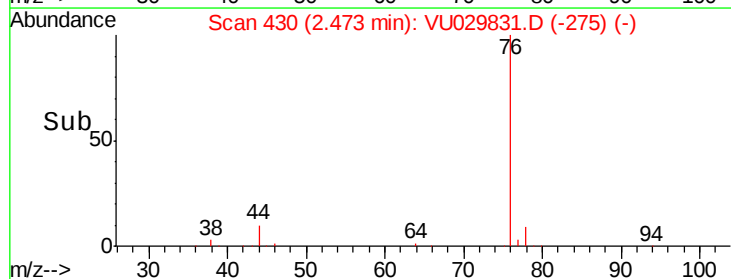
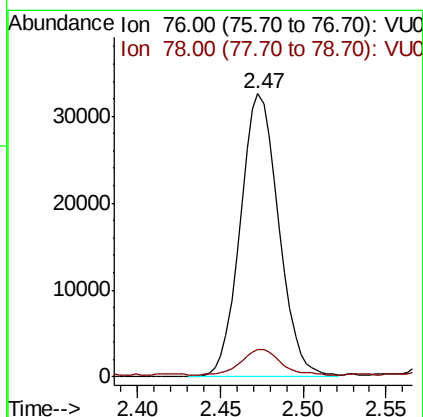
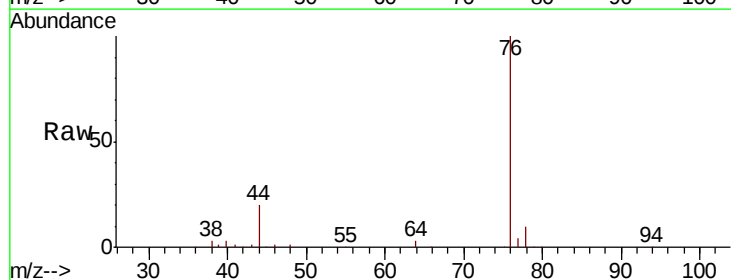
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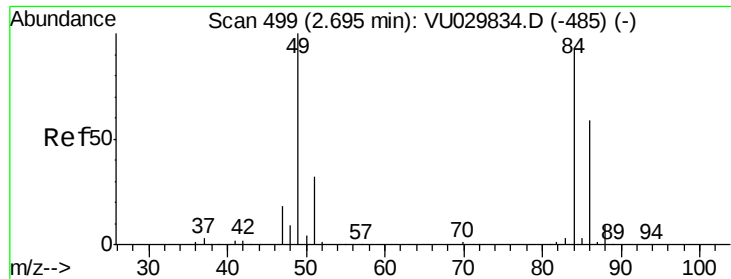
MMDadoda
3/11/2019 4:49:49 PM



#14
Carbon Disulfide
Concen: 1.063 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 76 Resp: 52520
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





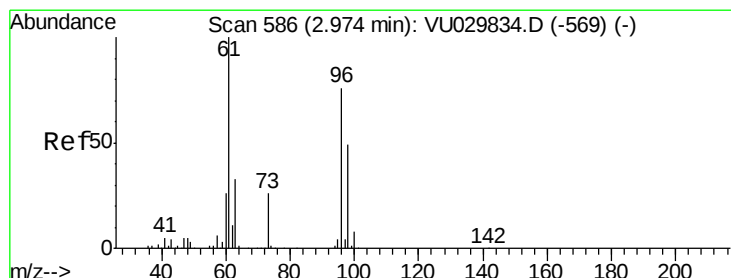
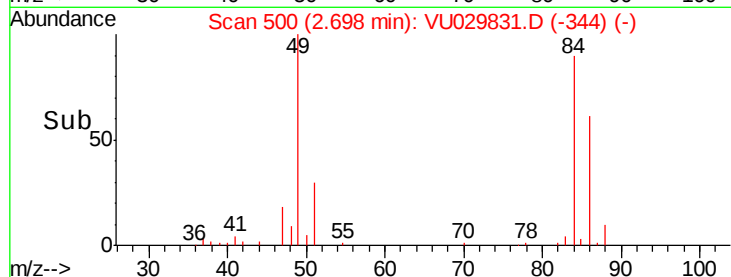
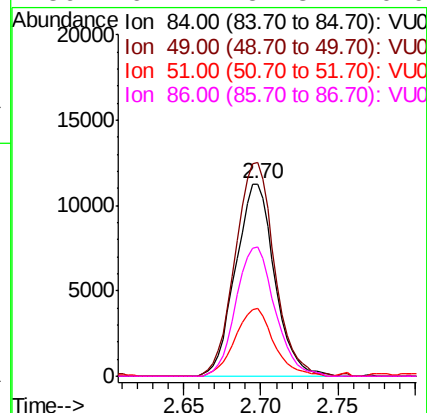
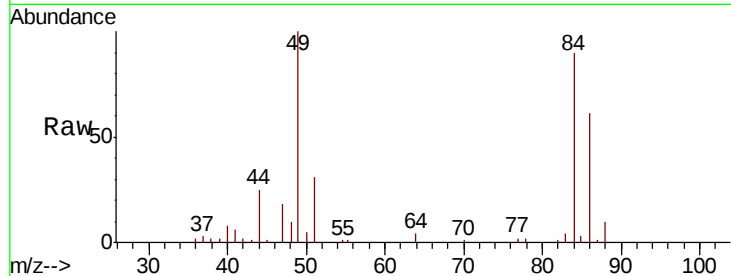
#15
Methylene Chloride
Concen: 1.080 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	87.2	130.8
51	34.9	0.0	69.0
86	67.2	51.3	76.9

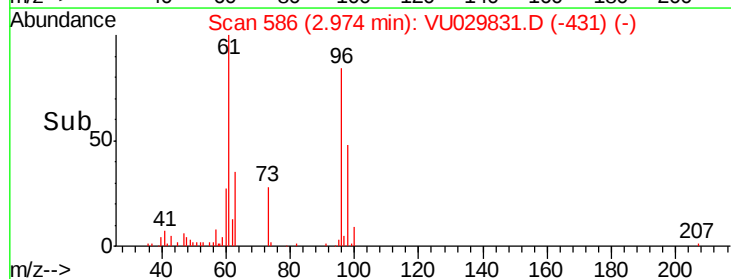
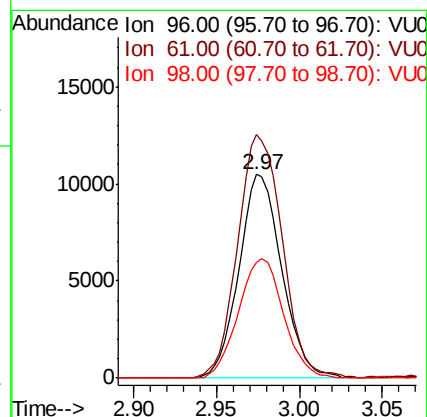
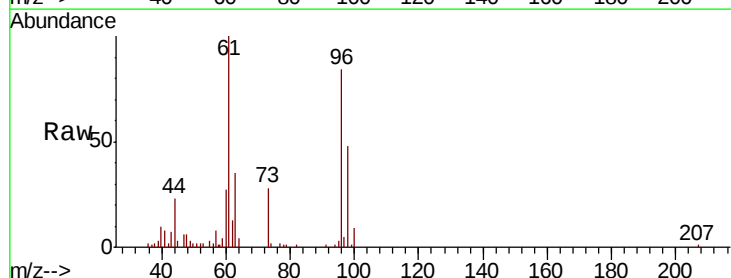
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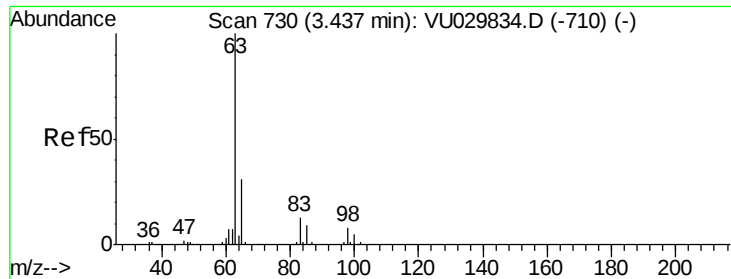
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 1.094 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.6	104.7	157.1
98	56.8	50.9	76.3





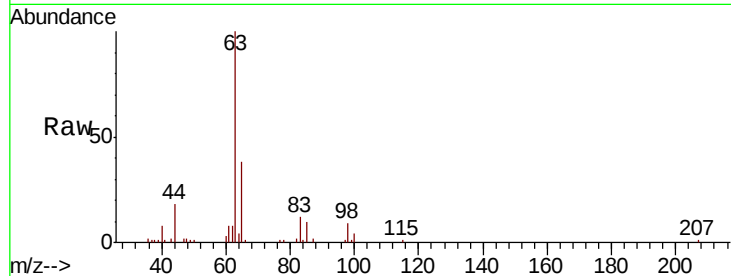
#17
 1,1-Dichloroethane
 Concen: 1.087 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

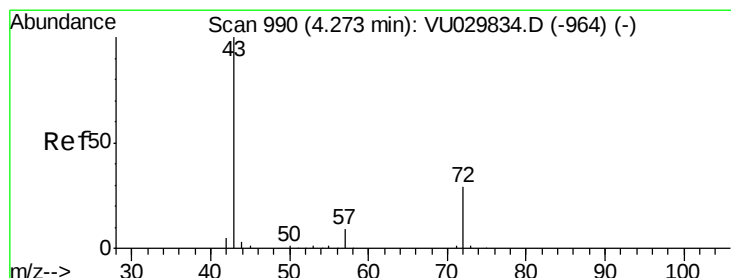
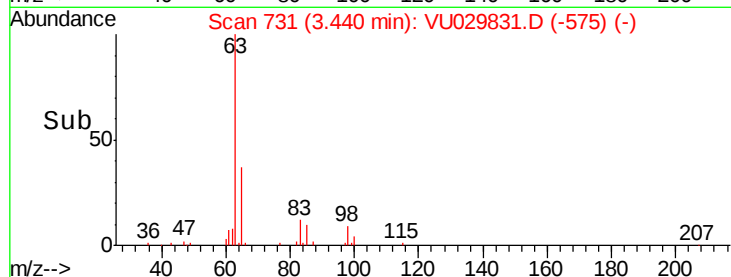
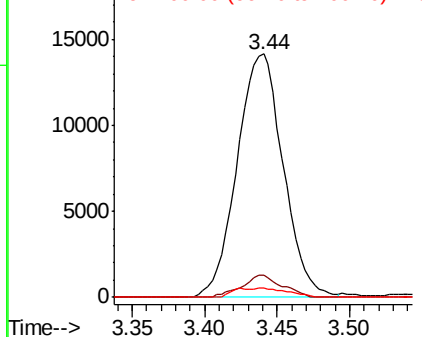
Tgt Ion:	63	Resp:	31329
Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.8	11.4
100	3.6	2.4	7.1

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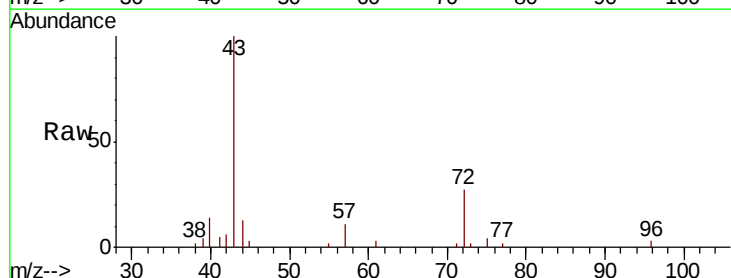


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

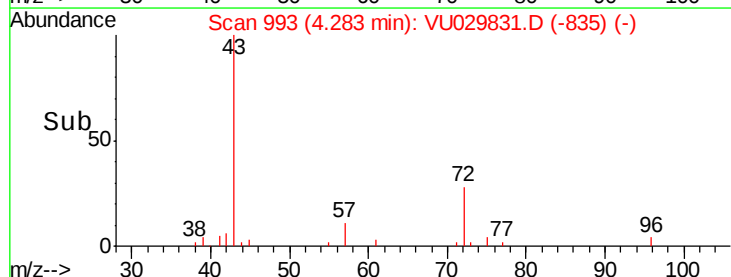
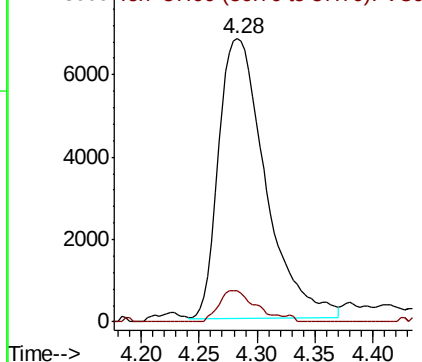


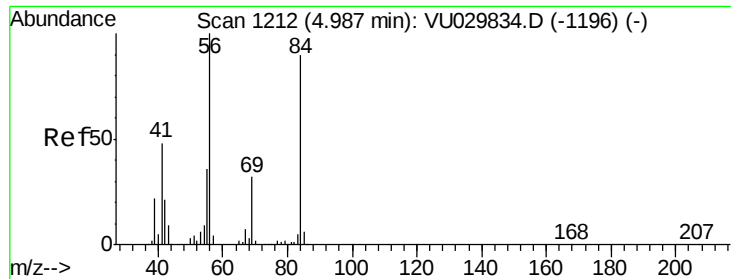
#18
 2-Butanone
 Concen: 5.091 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion:	43	Resp:	19060
Ion	Ratio	Lower	Upper
43	100		
57	11.2	0.0	18.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





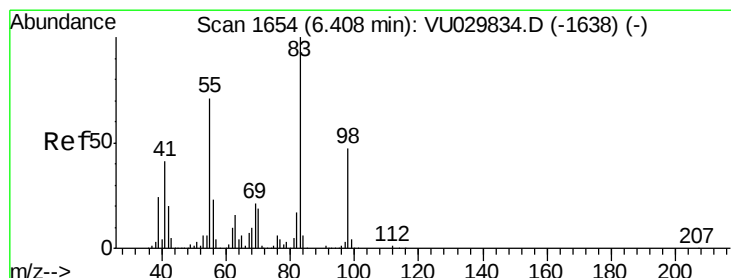
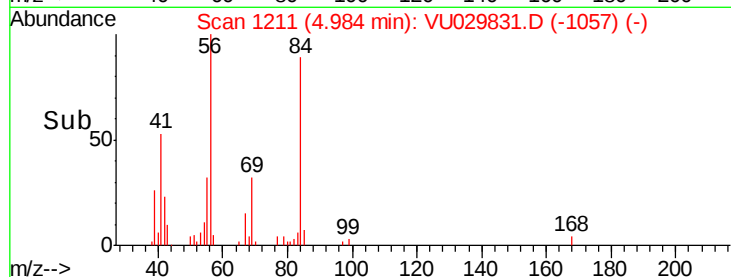
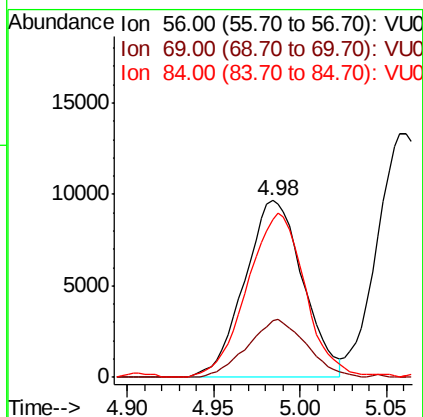
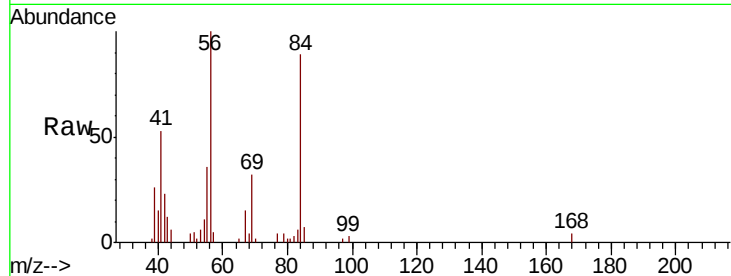
#19
Cyclohexane
Concen: 1.035 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.1	29.4	44.2
84	90.1	84.6	127.0

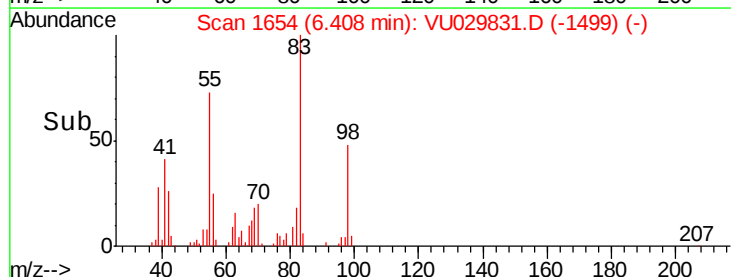
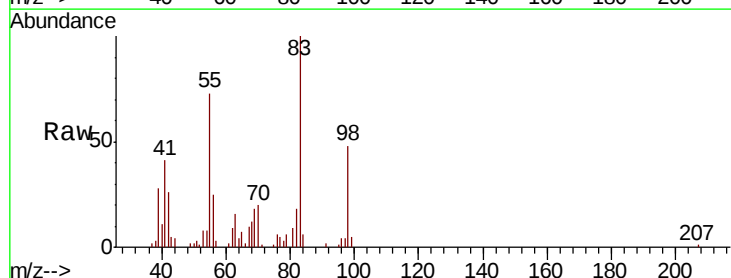
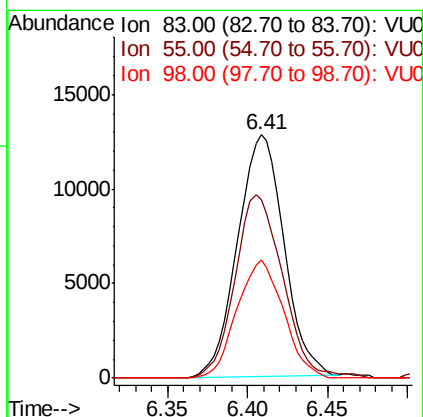
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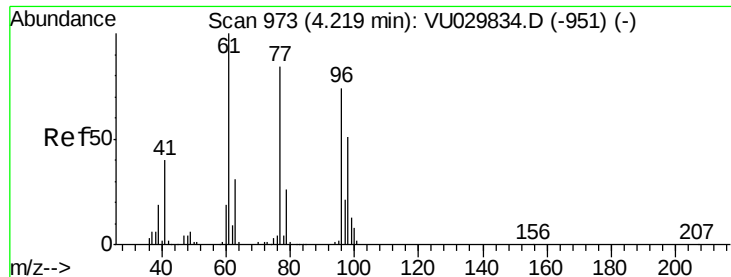
MMDadoda
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#20
Methylcyclohexane
Concen: 0.975 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.9	55.9	83.9
98	48.9	37.0	55.4





#21

2,2-Dichloropropane

Concen: 1.049 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 24726

Ion Ratio Lower Upper

77 100

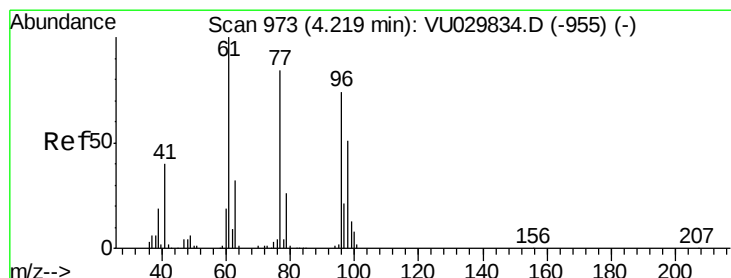
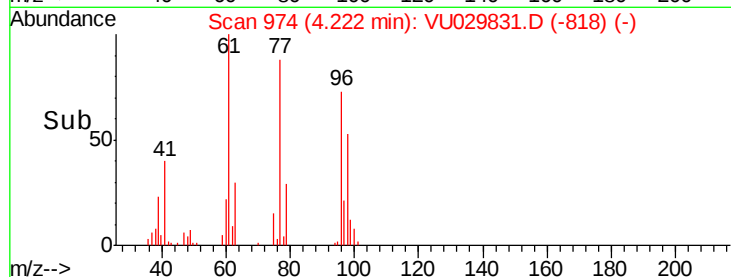
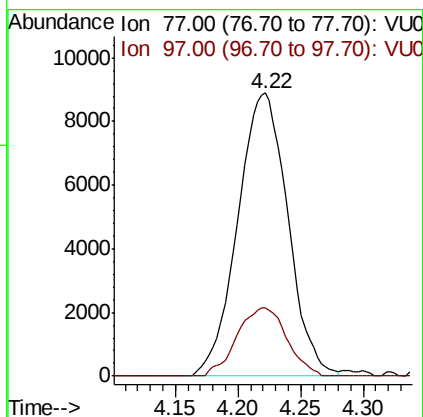
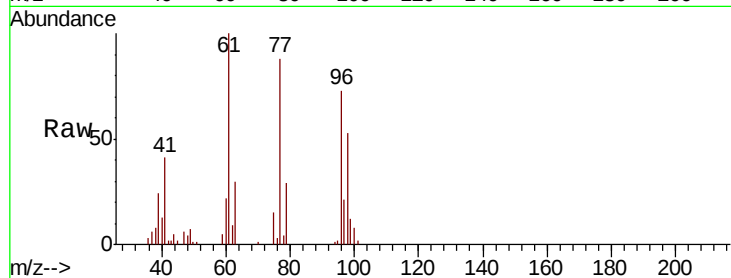
97 23.9 20.2 30.2

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 1.023 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

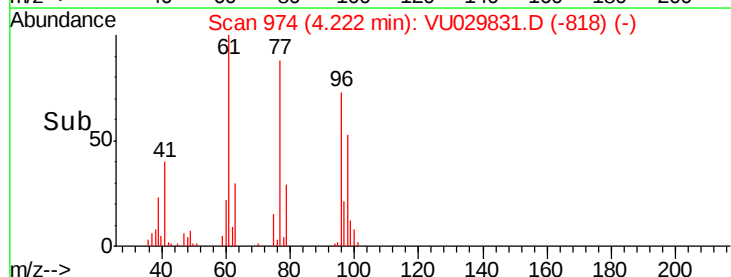
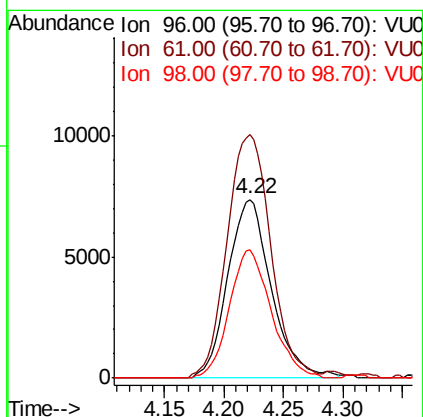
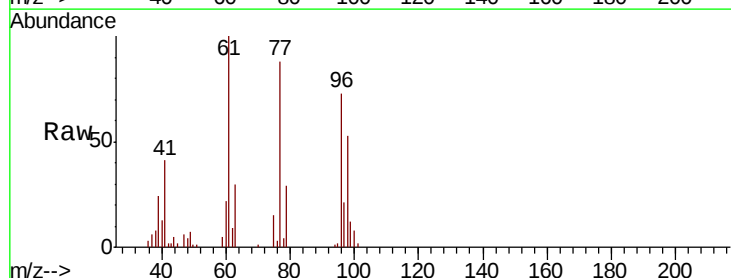
Tgt Ion: 96 Resp: 18691

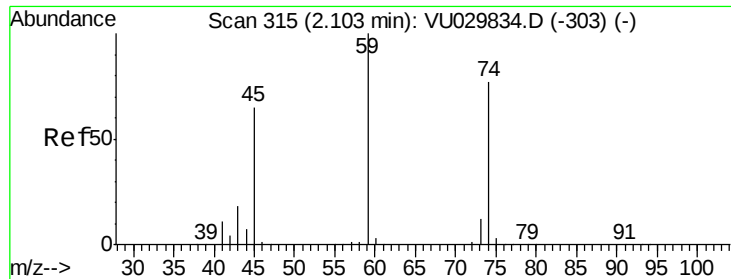
Ion Ratio Lower Upper

96 100

61 137.3 0.0 339.0

98 68.8 33.1 99.5





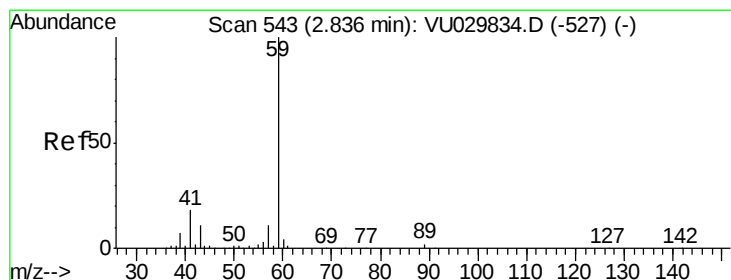
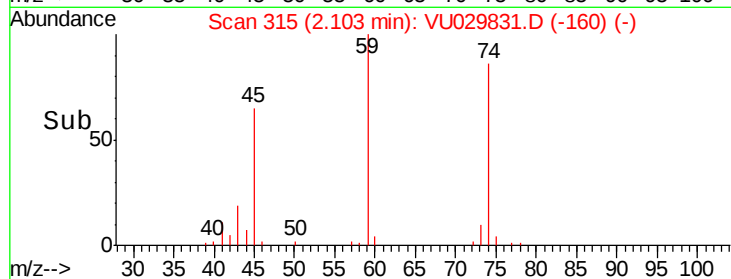
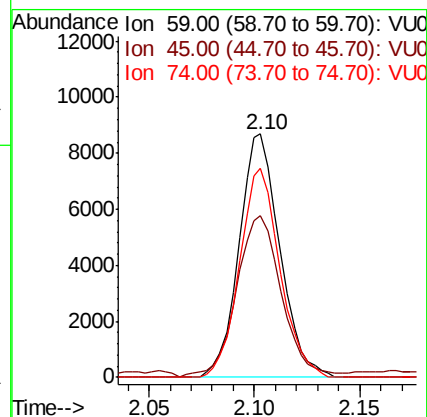
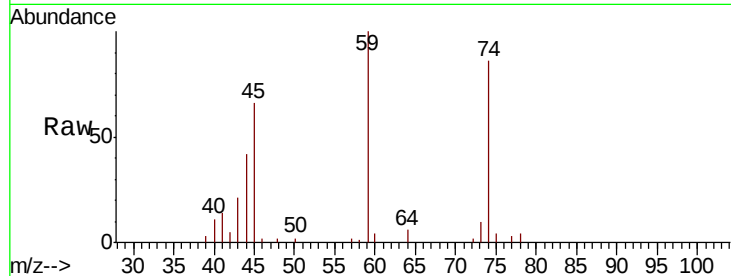
#23
Diethyl Ether
Concen: 1.017 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
59	100		
45	73.9	52.7	79.1
74	84.9	61.8	92.6

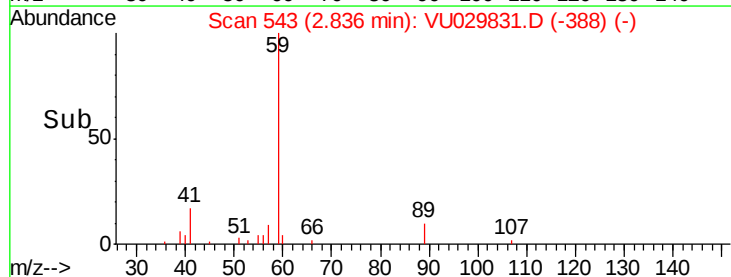
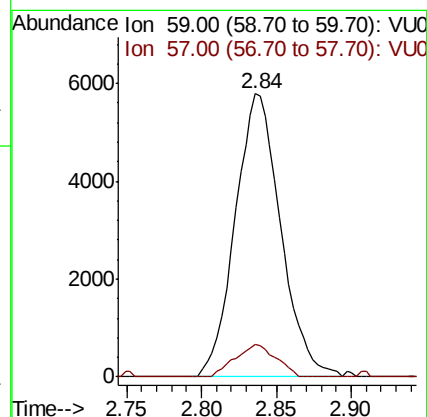
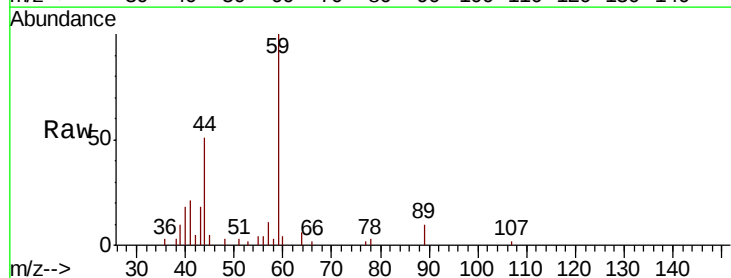
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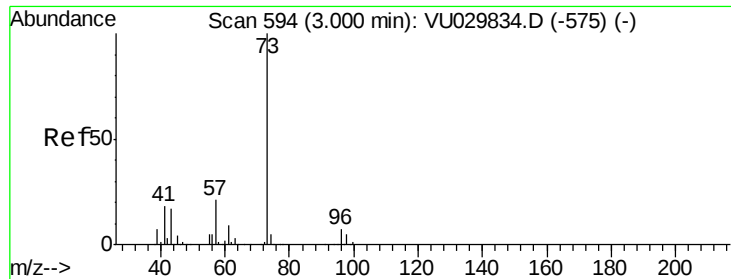
MMDadoda
3/11/2019 4:49:49 PM



#24
tert-Butyl Alcohol
Concen: 10.386 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7





#25

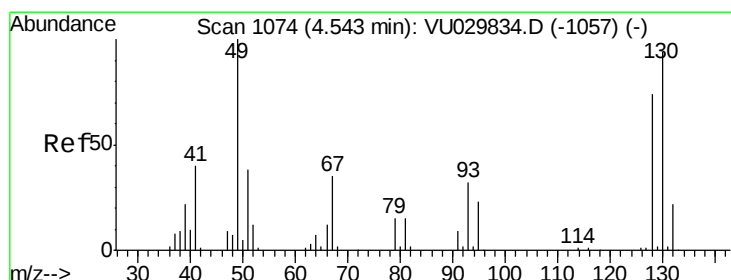
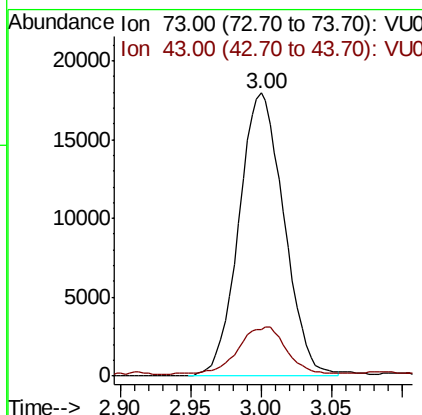
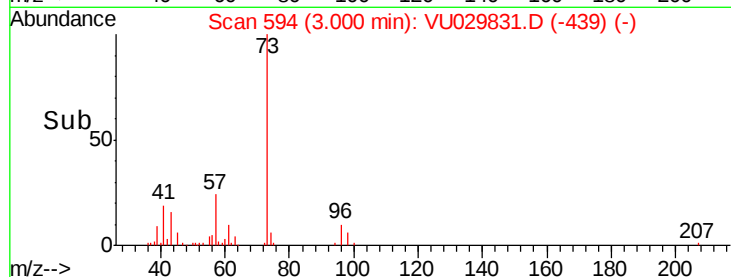
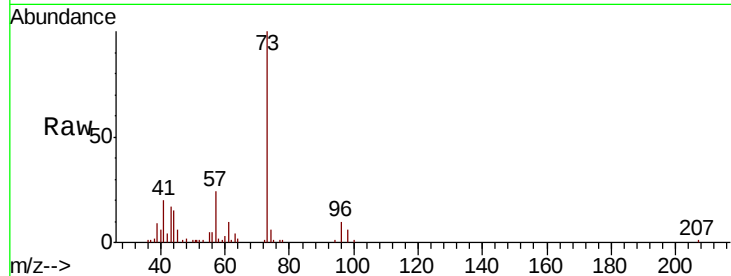
Methyl tert-Butyl Ether
Concen: 1.044 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.5	13.1	19.7

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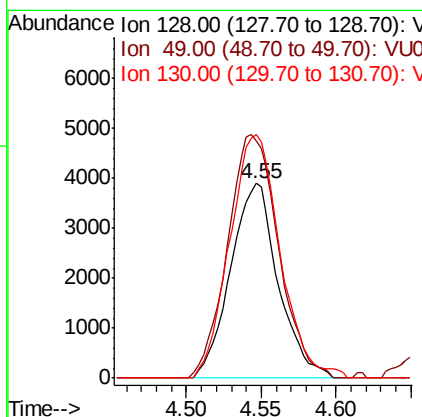
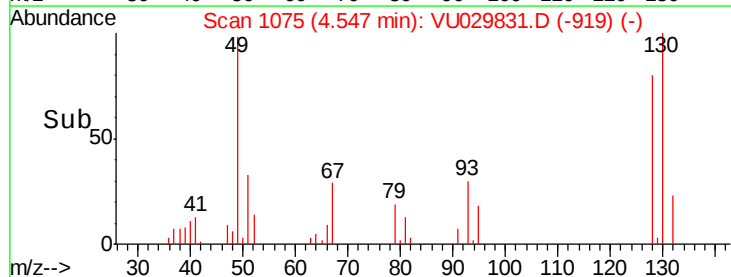
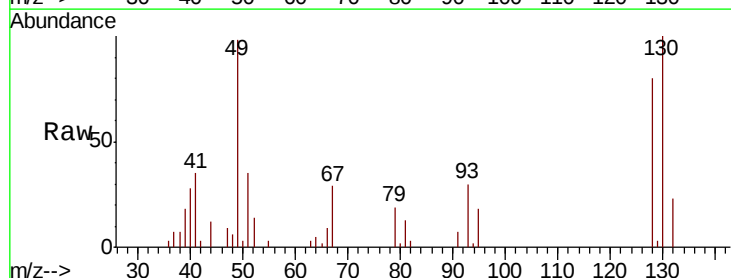
MMDadoda
3/11/2019 4:49:49 PM

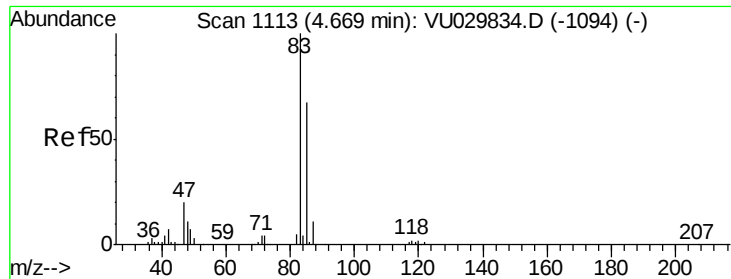


#26

Bromochloromethane
Concen: 1.066 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	134.0	0.0	270.6
130	132.8	104.2	156.4





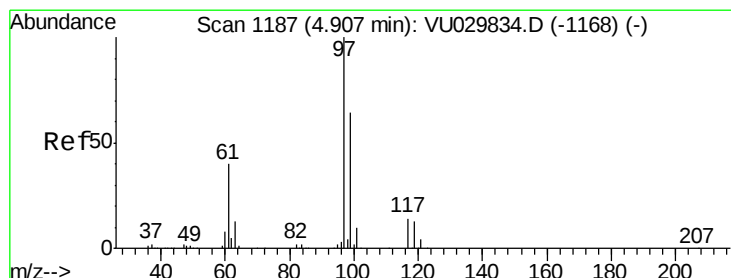
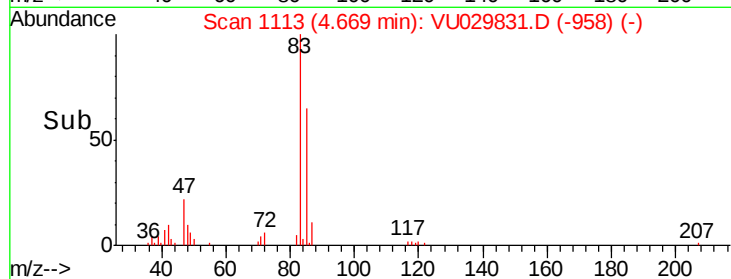
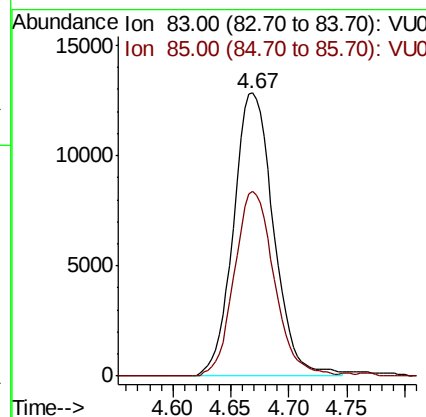
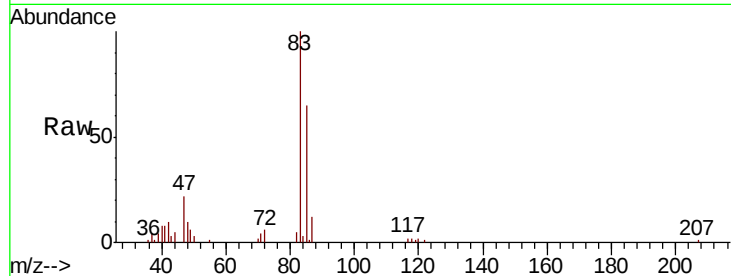
#27
Chloroform
Concen: 1.055 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	0.0	133.2

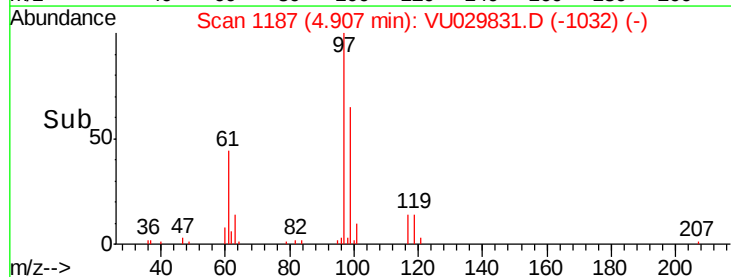
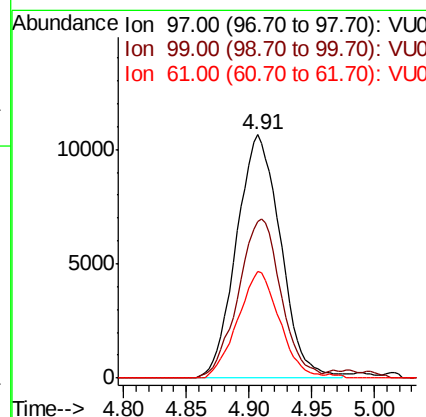
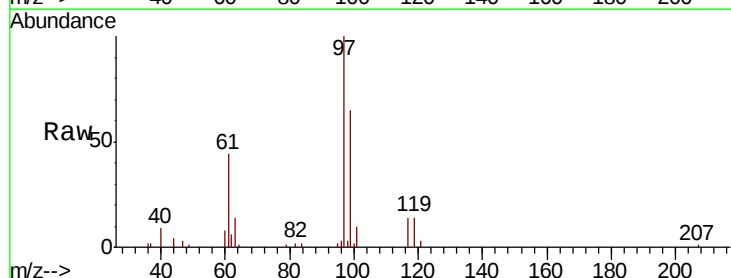
Manual Integrations
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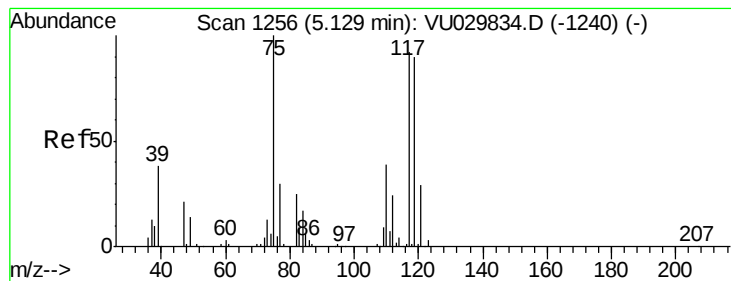
MMDadoda
3/11/2019 4:49:49 PM



#28
1,1,1-Trichloroethane
Concen: 1.051 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	31.9	95.9
61	41.7	20.4	61.3





#29

1,1-Dichloropropene

Concen: 1.045 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

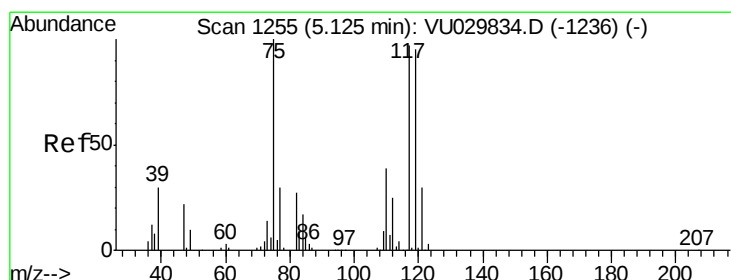
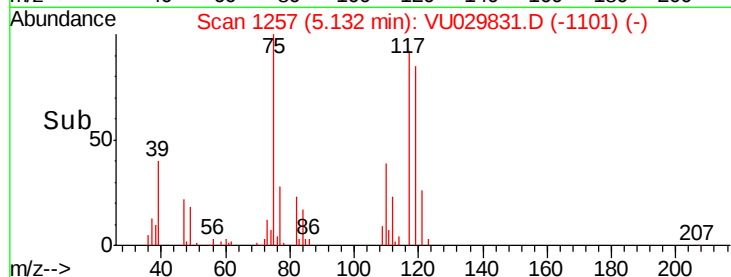
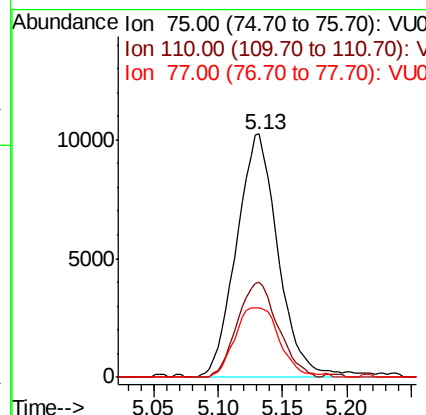
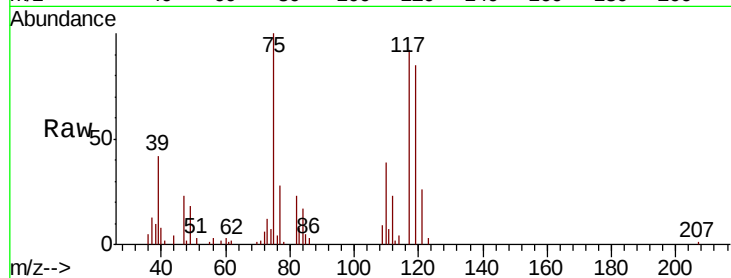
ClientSampleId :

VSTDIC001

Tgt Ion:	75	Resp:	22990
Ion Ratio	Lower	Upper	
75	100		
110	38.2	19.1	57.5
77	30.9	23.9	35.9

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#30

Carbon Tetrachloride

Concen: 1.023 ug/l

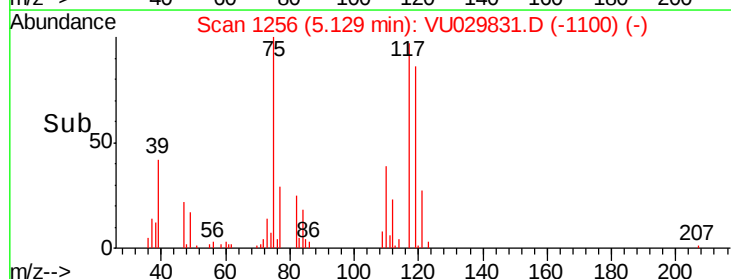
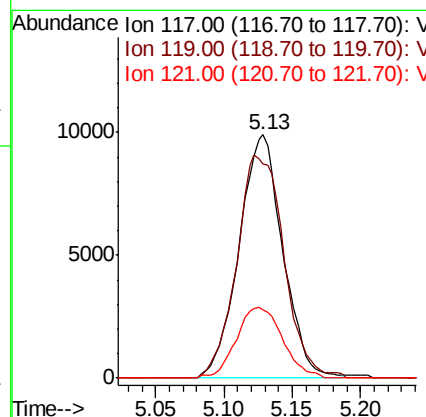
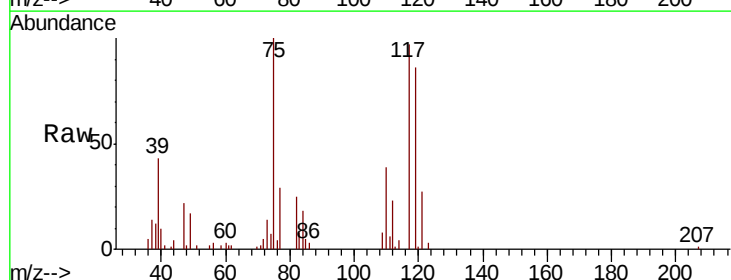
RT: 5.13 min Scan# 1256

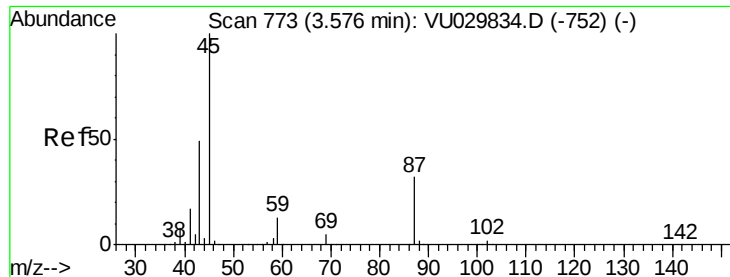
Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Tgt Ion:	117	Resp:	22095
Ion Ratio	Lower	Upper	
117	100		
119	88.2	78.4	117.6
121	28.1	25.0	37.4





#31

Isopropyl Ether

Concen: 1.052 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 41840

Ion Ratio Lower Upper

45 100

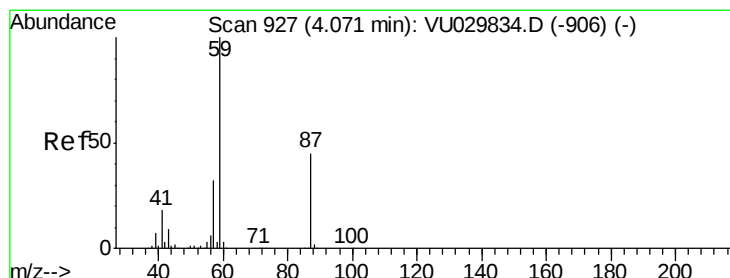
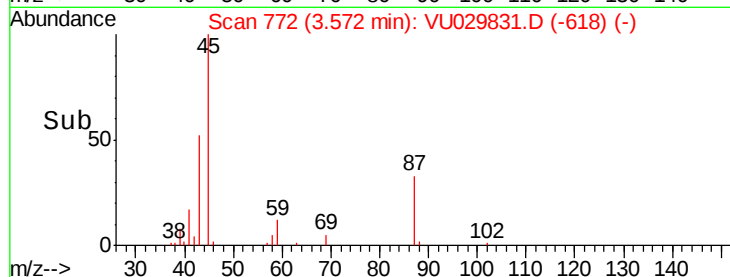
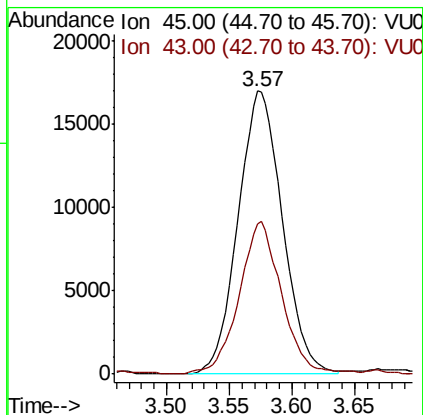
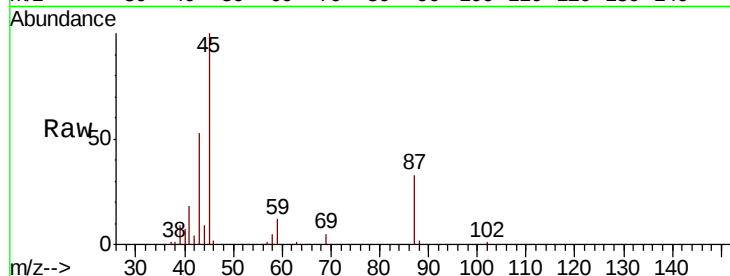
43 51.7 24.3 72.9

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.029 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029831.D

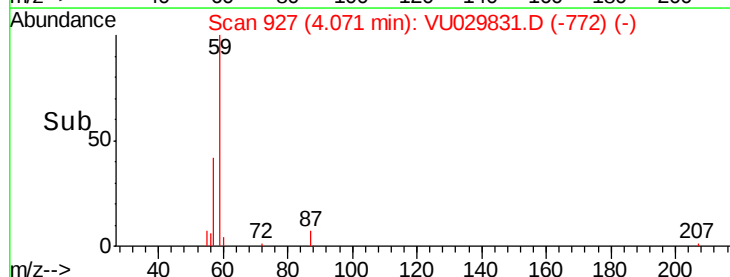
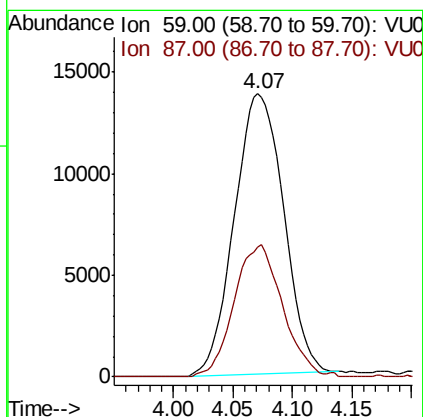
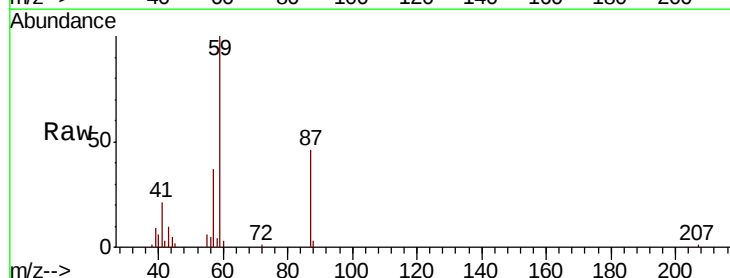
Acq: 06 Mar 2019 09:53

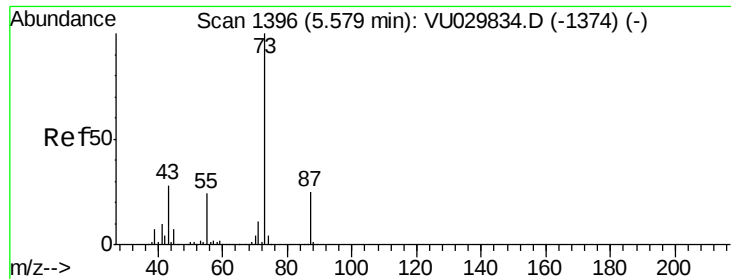
Tgt Ion: 59 Resp: 39792

Ion Ratio Lower Upper

59 100

87 44.7 36.2 54.4





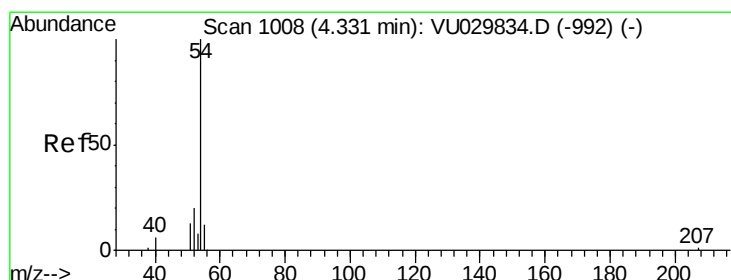
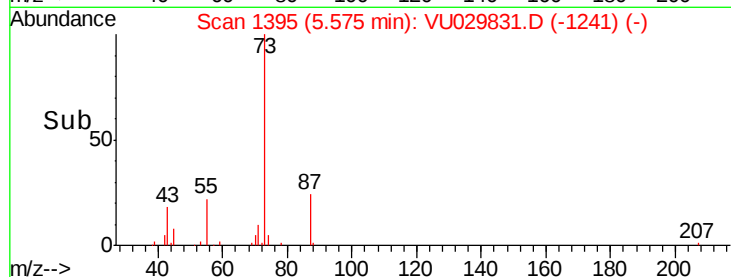
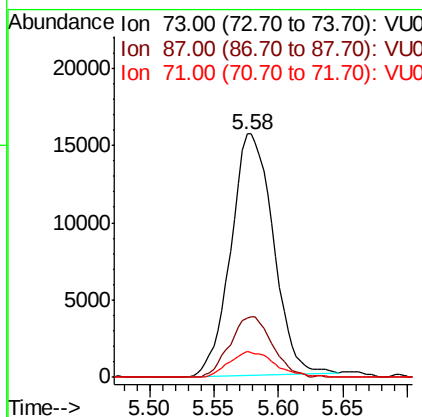
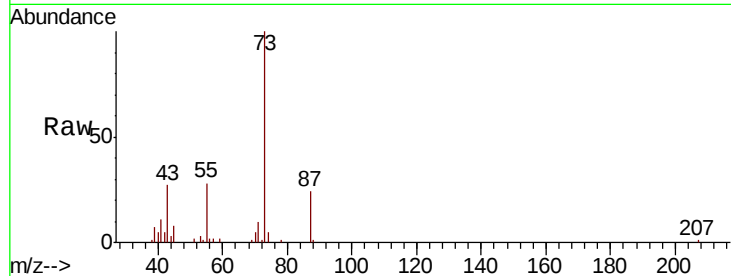
#33
Tert-Amyl methyl ether
Concen: 0.997 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.7	29.5
71	10.6	9.4	14.2

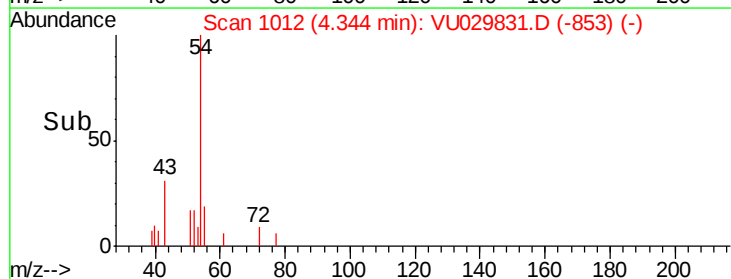
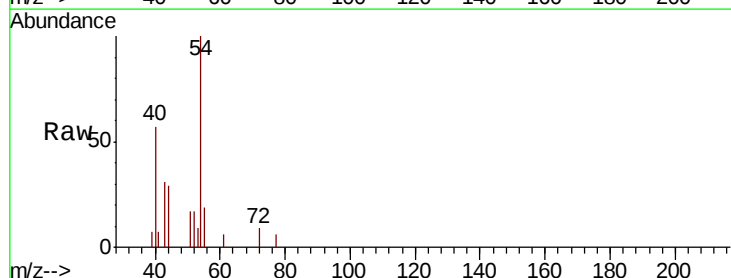
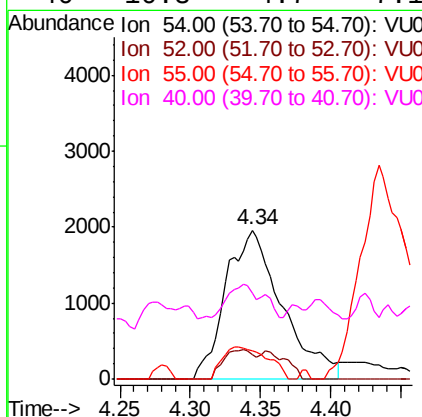
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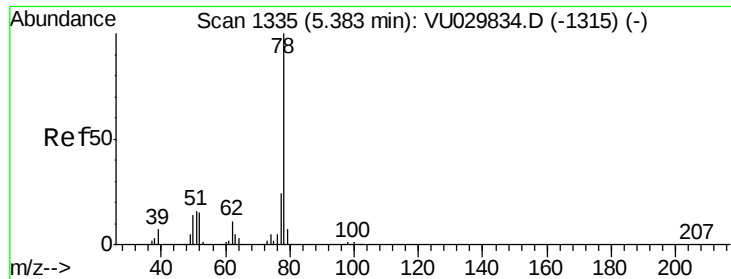
MMDadoda
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#34
Propionitrile
Concen: 4.913 ug/l
RT: 4.34 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
54	100		
52	10.9	16.1	24.1#
55	17.2	11.2	16.8#
40	10.3	4.7	7.1#





#35

Benzene

Concen: 1.024 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 66372

Ion Ratio Lower Upper

78 100

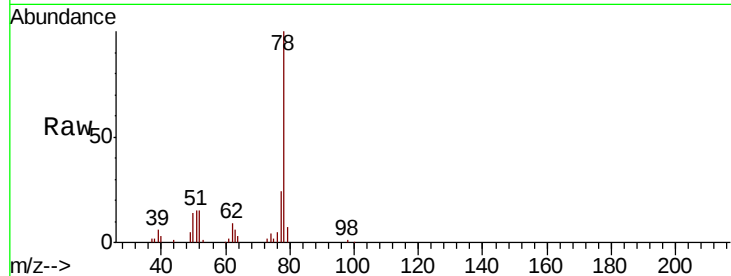
77 23.7 19.2 28.8

Manual Integrations

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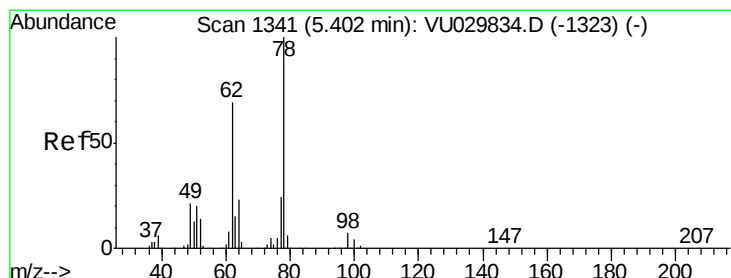
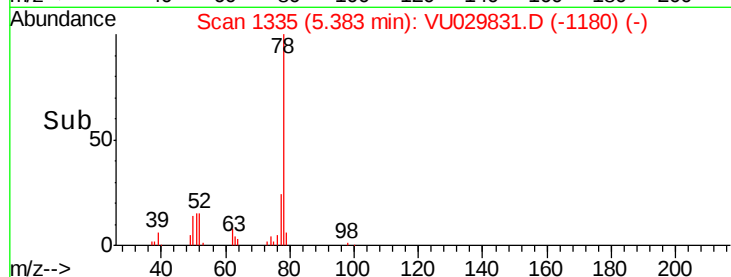
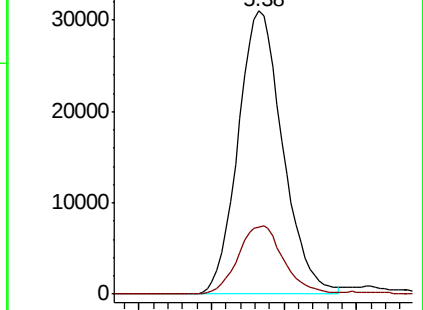
MMDadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU029834.D (-1315) (-)

Ion 77.00 (76.70 to 77.70): VU029834.D (-1315) (-)



#36

1,2-Dichloroethane

Concen: 1.062 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029831.D

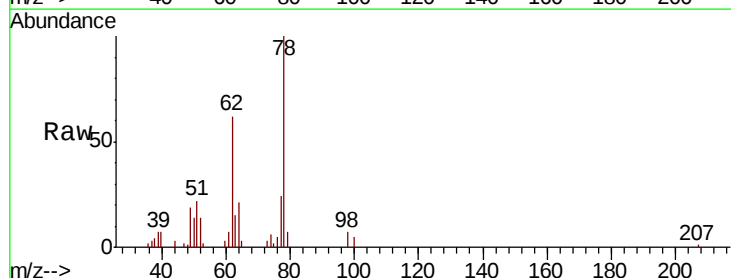
Acq: 06 Mar 2019 09:53

Tgt Ion: 62 Resp: 18794

Ion Ratio Lower Upper

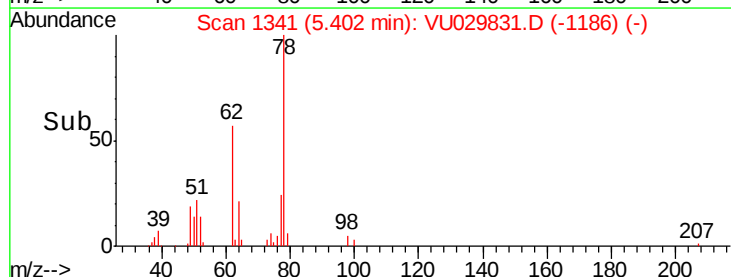
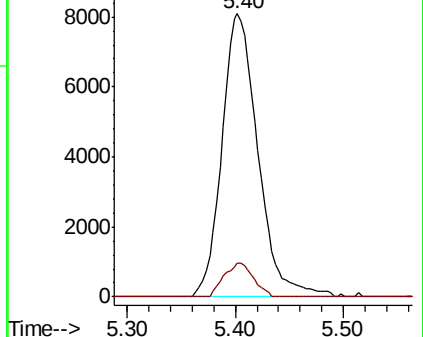
62 100

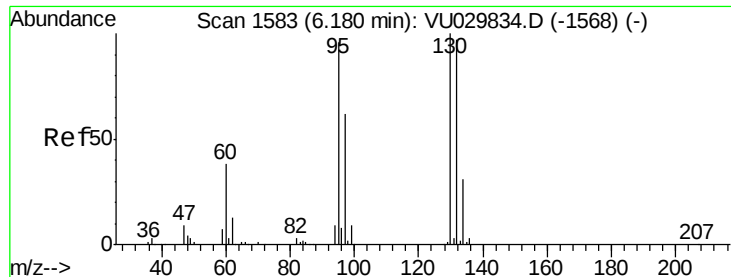
98 9.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU029834.D (-1323) (-)

Ion 98.00 (97.70 to 98.70): VU029834.D (-1323) (-)





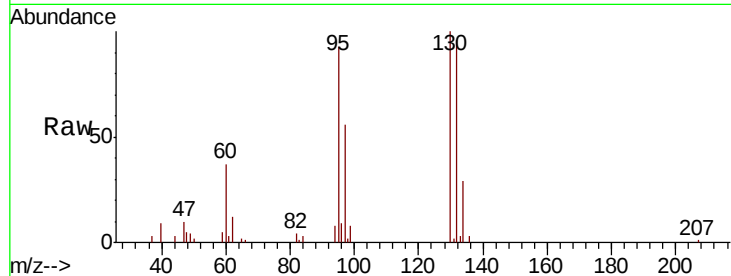
#37
 Trichloroethene
 Concen: 1.036 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

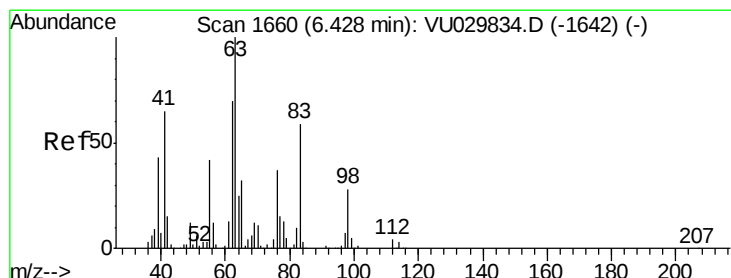
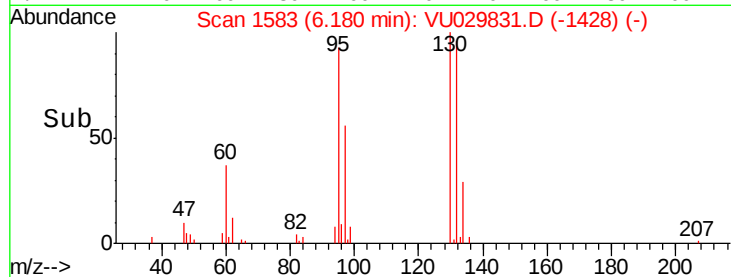
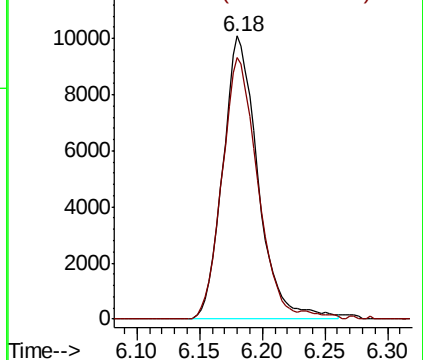
Tgt Ion: 130 Resp: 19606
 Ion Ratio Lower Upper
 130 100
 95 92.5 76.6 114.8

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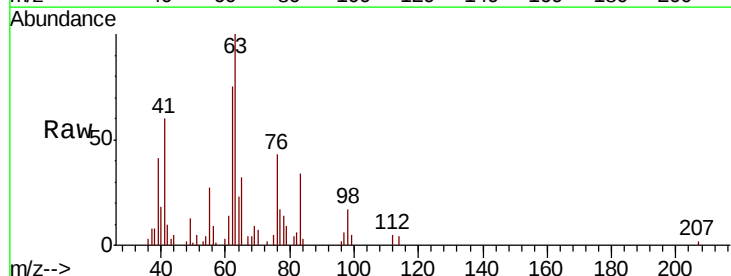


Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU029831.D (-1428) (-)

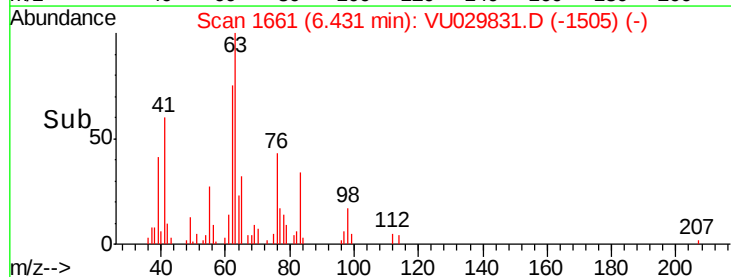
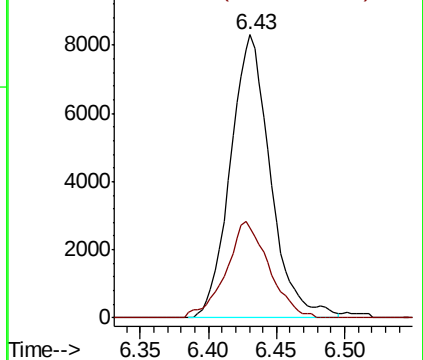


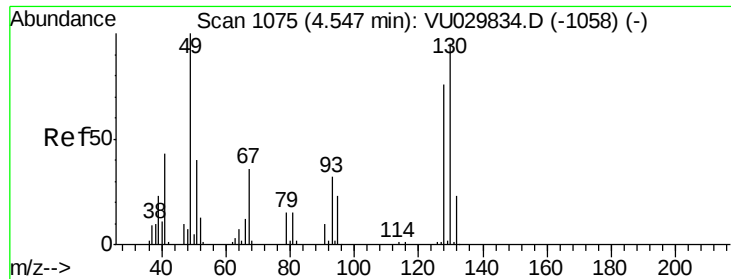
#38
 1,2-Dichloropropane
 Concen: 1.032 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 63 Resp: 16927
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU029831.D (-1505) (-)





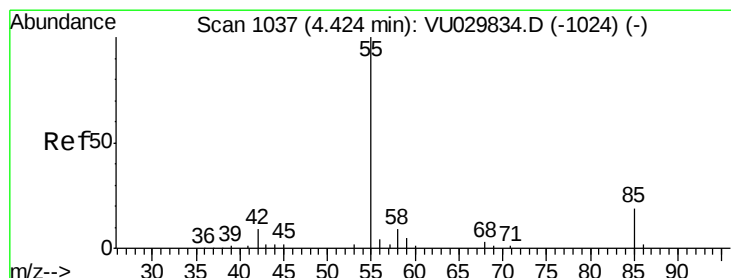
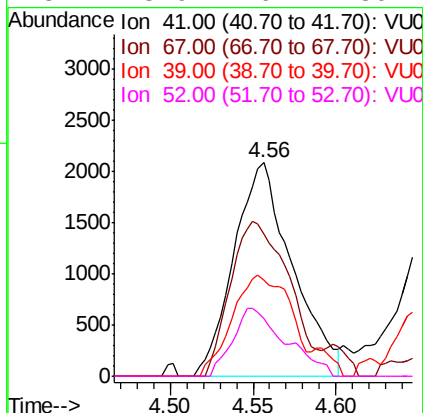
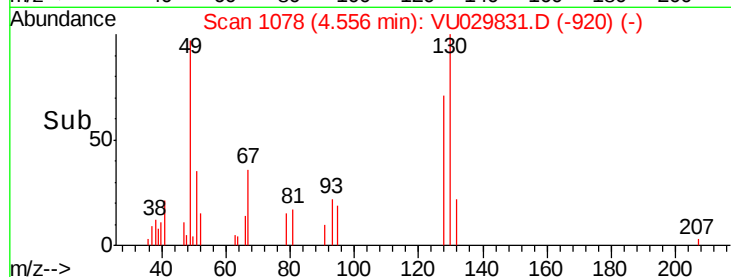
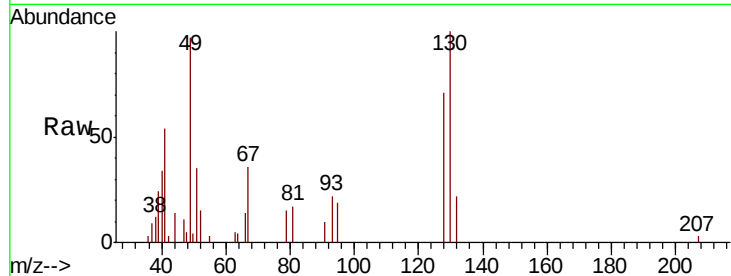
#39
Methacrylonitrile
Concen: 1.090 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:	41	Resp:	5106
Ion	Ratio	Lower	Upper
41	100		
67	73.0	68.4	102.6
39	47.5	42.6	63.8
52	28.9	26.2	39.4

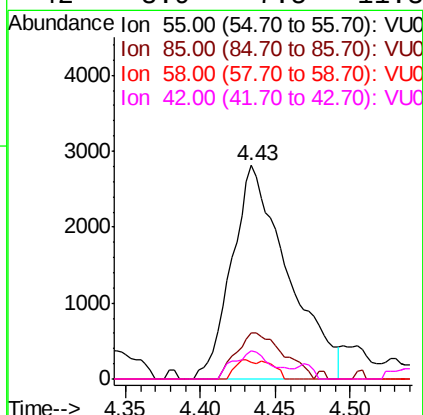
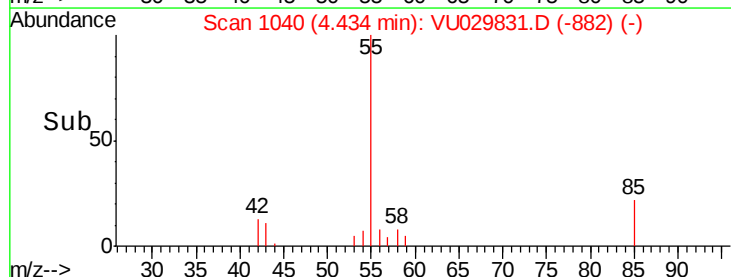
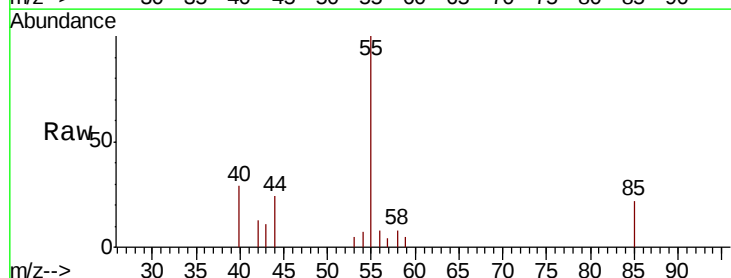
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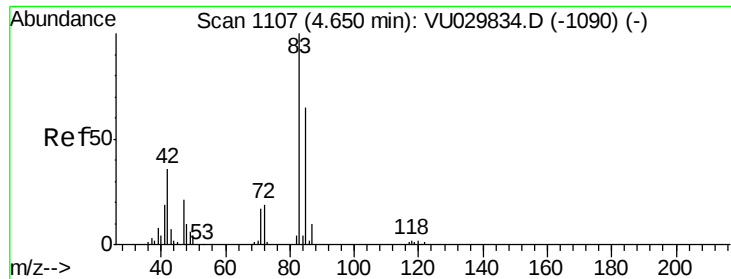
MMDadoda
3/11/2019 4:49:49 PM



#40
Methyl acrylate
Concen: 0.989 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion:	55	Resp:	7324
Ion	Ratio	Lower	Upper
55	100		
85	18.1	15.2	22.8
58	3.2	7.6	11.4#
42	8.9	7.5	11.3





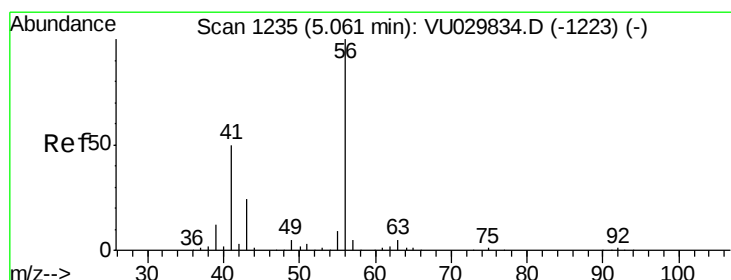
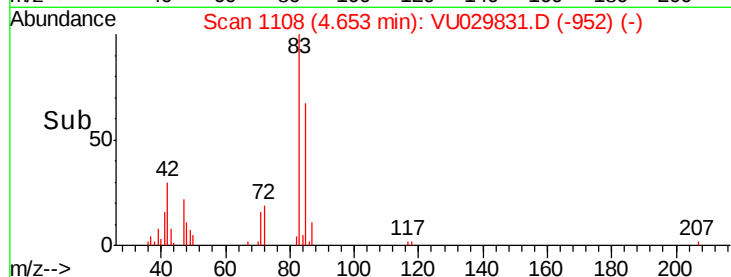
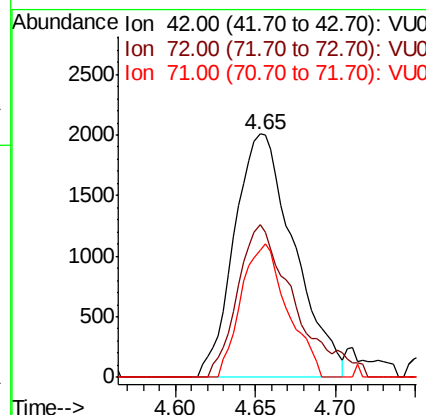
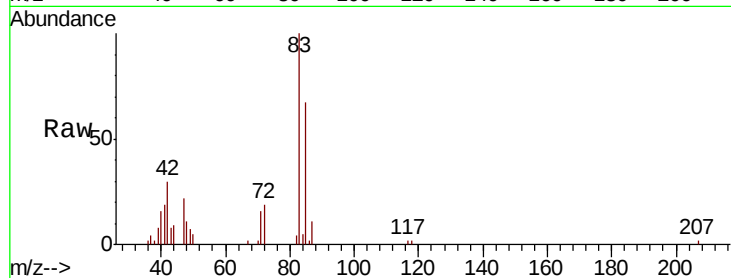
#41
Tetrahydrofuran
Concen: 2.101 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
42	100		
72	59.7	43.6	65.4
71	42.1	37.5	56.3

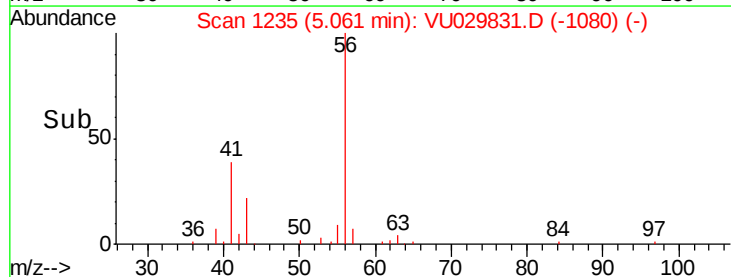
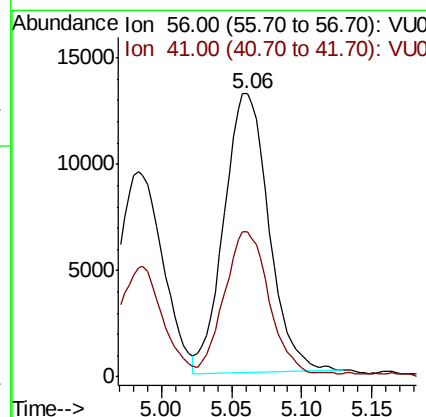
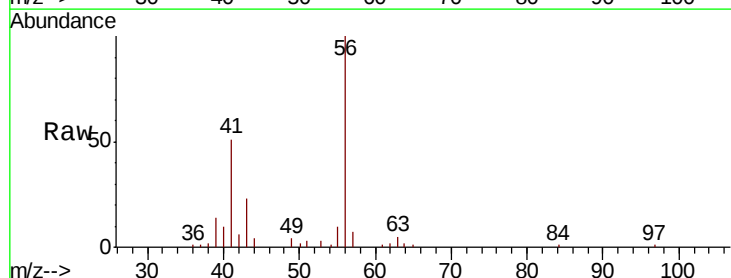
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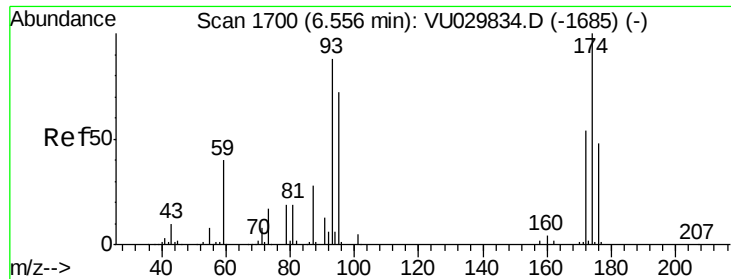
MMDadoda
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#42
1-Chlorobutane
Concen: 1.038 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.0	25.0	75.0





#43

Dibromomethane

Concen: 1.056 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

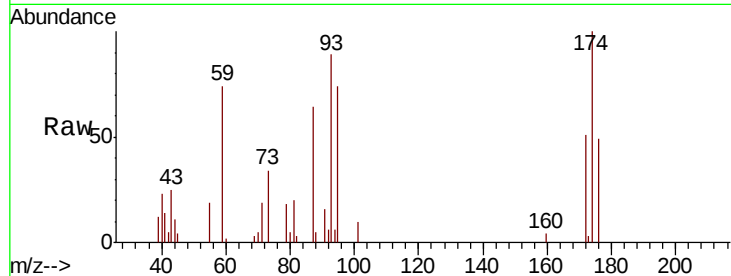
ClientSampleId :

VSTDIC001

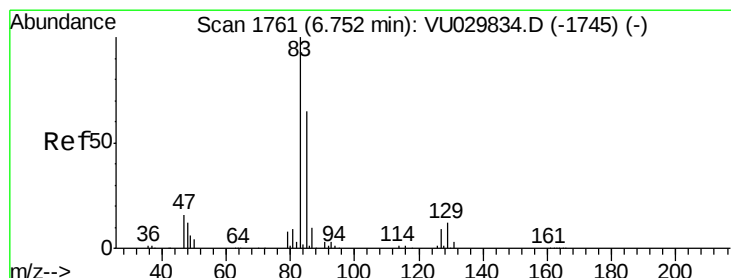
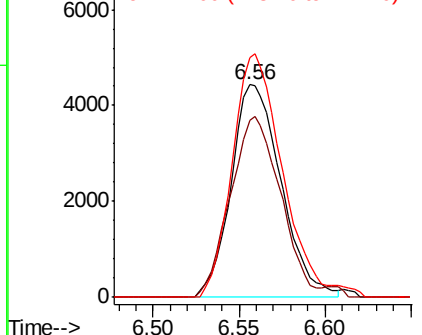
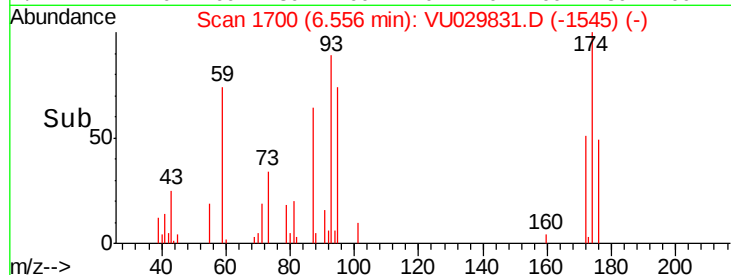
Tgt Ion:	93	Resp:	8976
Ion	Ratio	Lower	Upper
93	100		
95	85.3	67.0	100.6
174	115.6	91.4	137.2

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Abundance Ion 93.00 (92.70 to 93.70): VU029831.D (-1545) (-)



#44

Bromodichloromethane

Concen: 1.025 ug/l

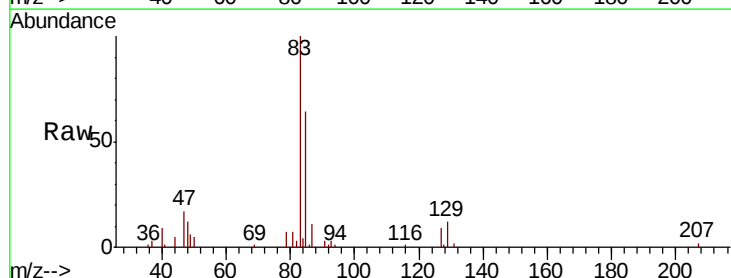
RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

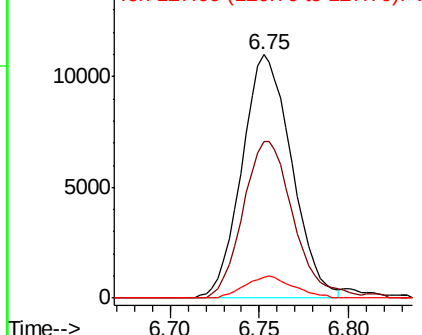
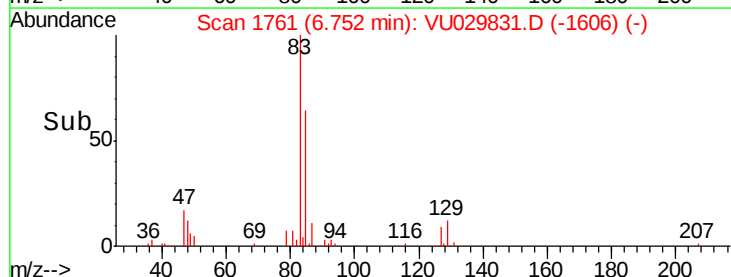
Lab File: VU029831.D

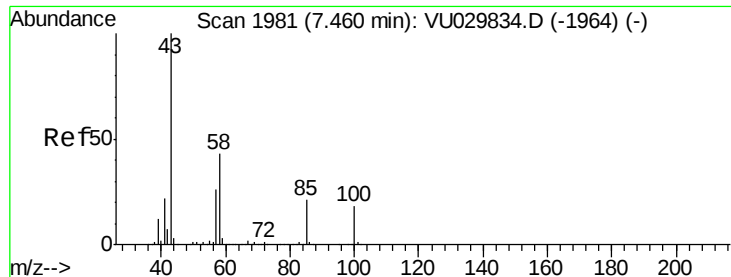
Acq: 06 Mar 2019 09:53

Tgt Ion:	83	Resp:	21412
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5
127	8.5	7.4	11.2



Abundance Ion 83.00 (82.70 to 83.70): VU029831.D (-1606) (-)





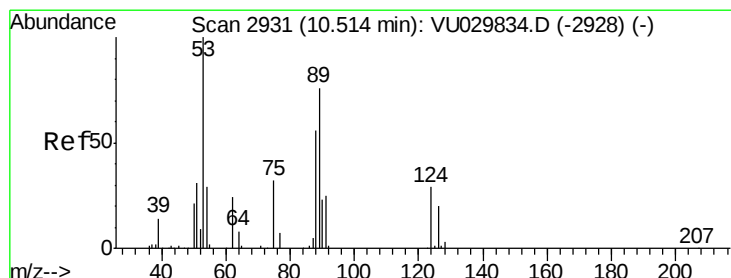
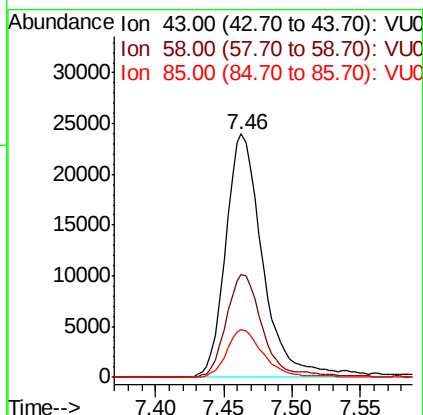
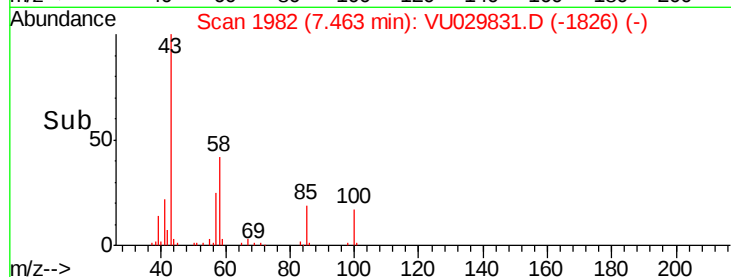
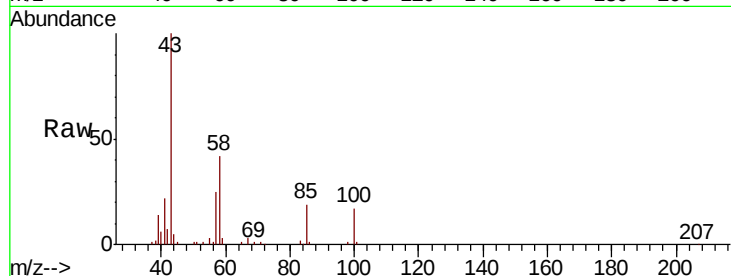
#45
4-Methyl-2-Pentanone
Concen: 5.064 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.1	21.6	65.0
85	19.8	16.5	24.7

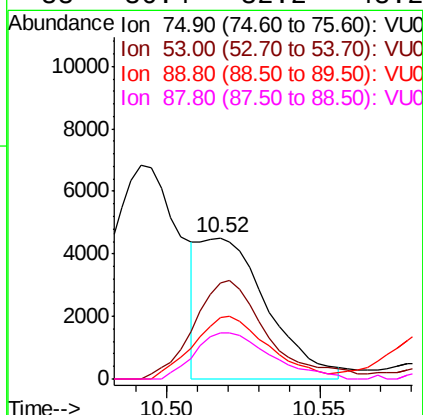
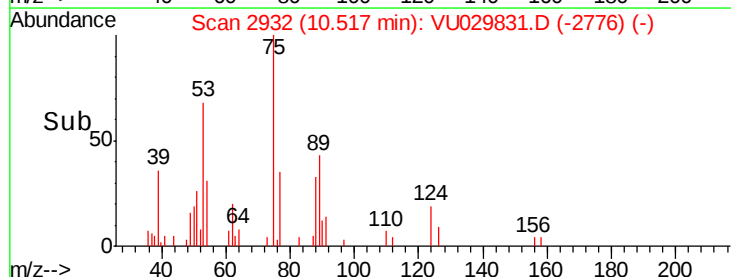
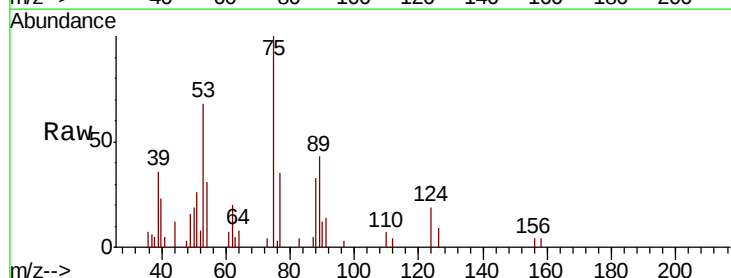
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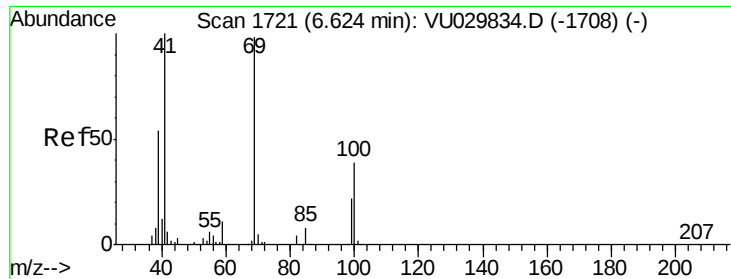
MMDadoda
3/11/2019 4:49:49 PM



#46
t-1,4-Dichloro-2-butene
Concen: 1.818 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
53	75.1	59.2	88.8
89	48.4	44.9	67.3
88	36.4	32.2	48.2





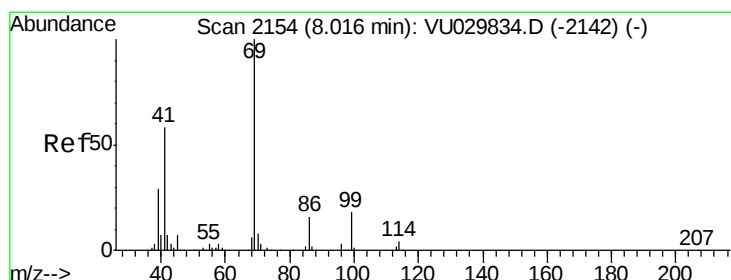
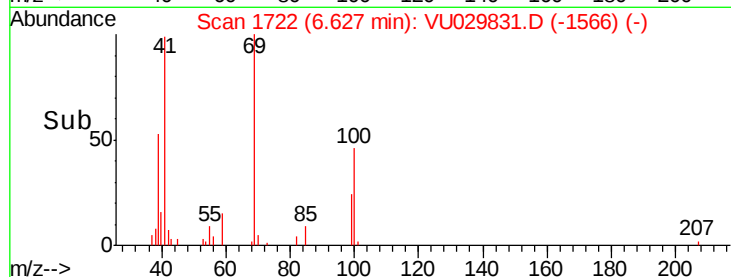
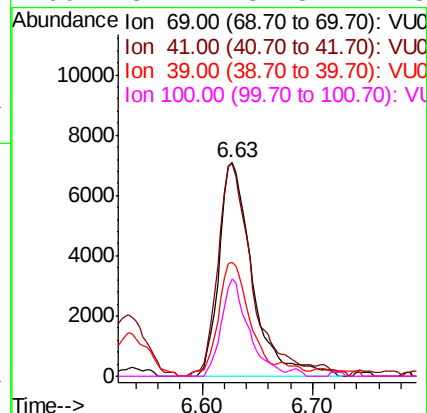
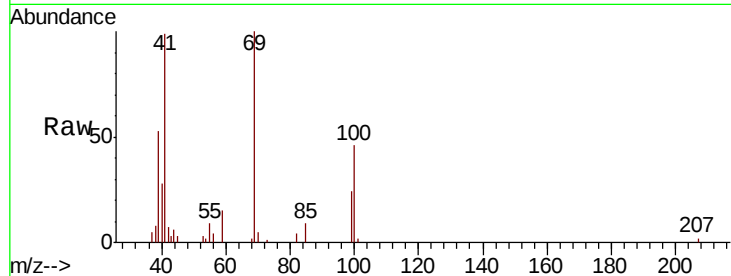
#47
Methyl methacrylate
Concen: 2.028 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
69	100		
41	101.4	0.0	201.0
39	49.9	43.3	64.9
100	37.2	31.5	47.3

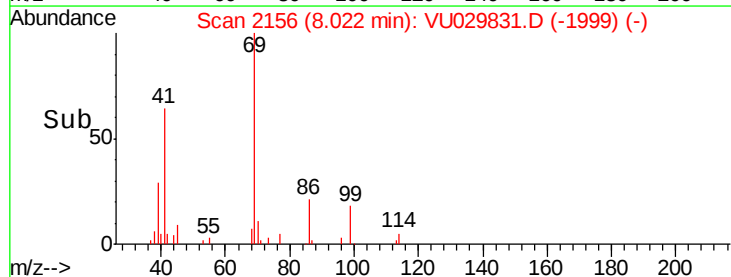
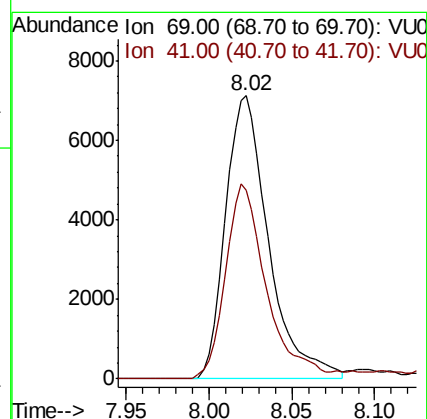
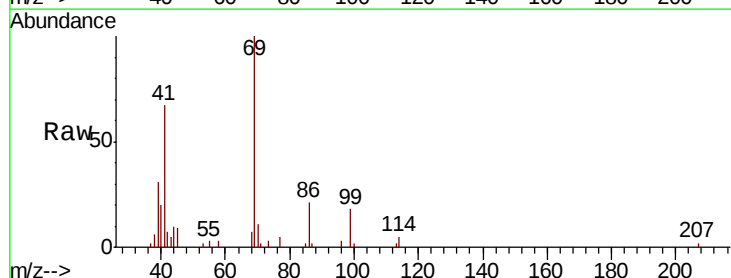
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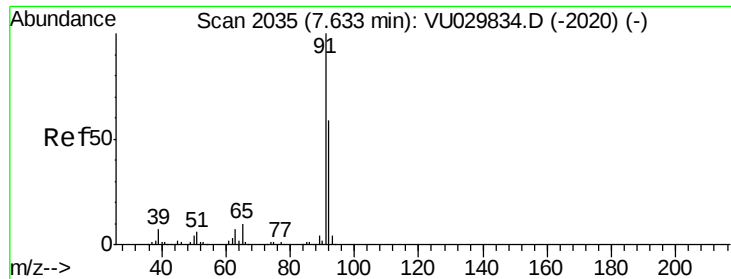
MMDadoda
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#48
Ethyl methacrylate
Concen: 0.920 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.1	29.0	87.1





#49

Toluene

Concen: 0.989 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 39378

Ion Ratio Lower Upper

92 100

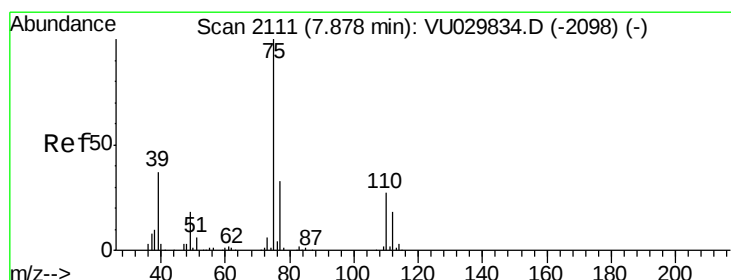
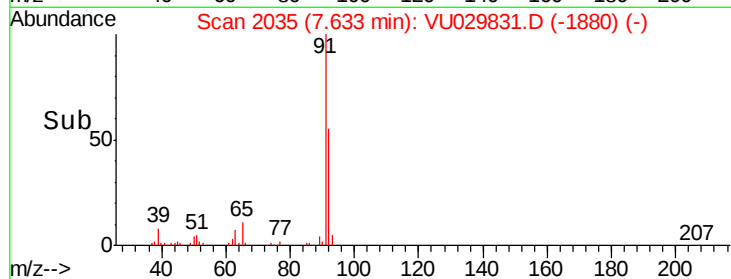
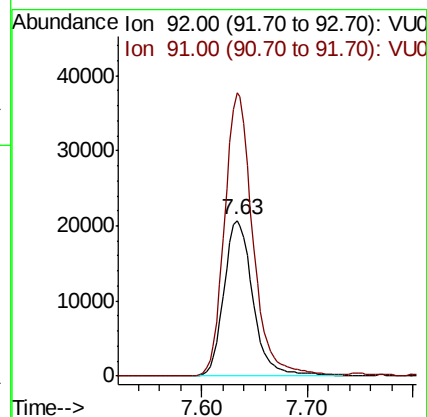
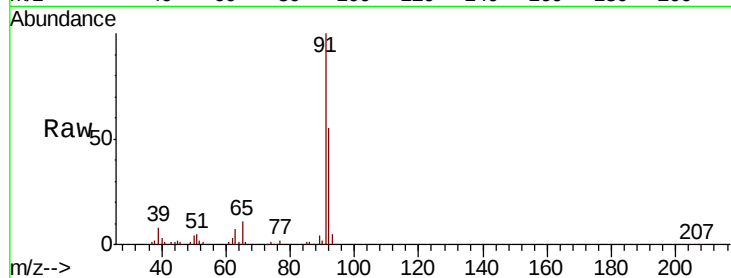
91 178.3 137.8 206.8

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#50

t-1,3-Dichloropropene

Concen: 0.978 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029831.D

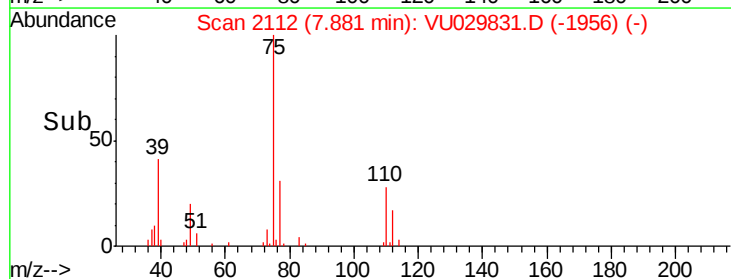
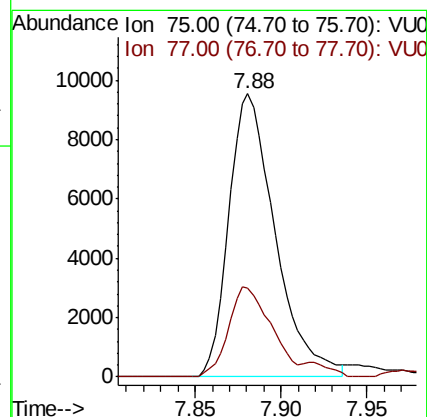
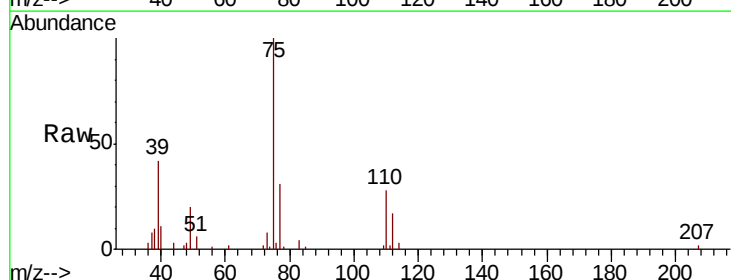
Acq: 06 Mar 2019 09:53

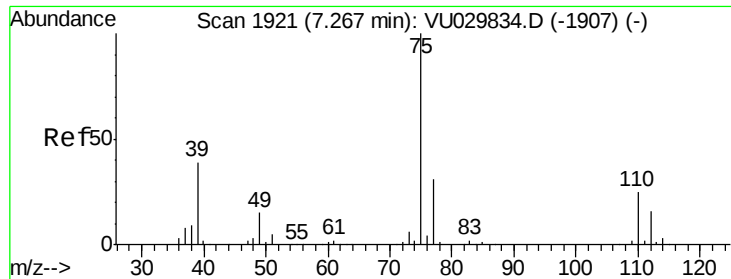
Tgt Ion: 75 Resp: 17896

Ion Ratio Lower Upper

75 100

77 31.4 26.4 39.6





#51

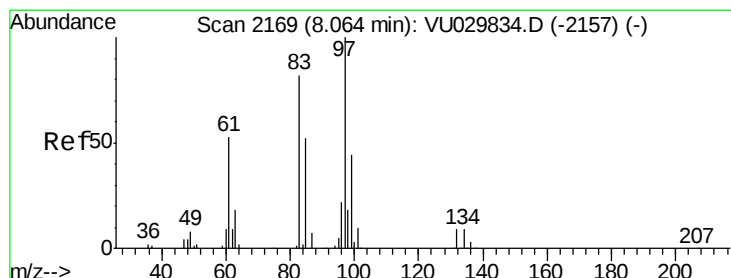
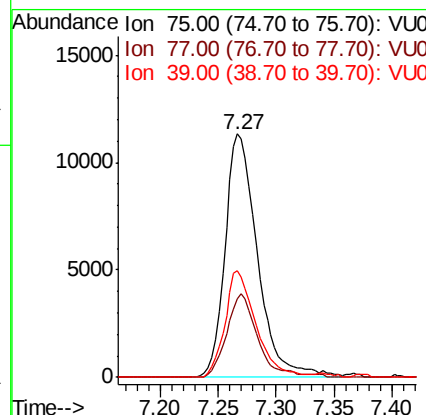
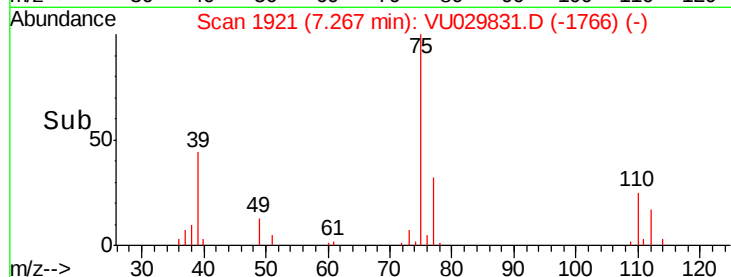
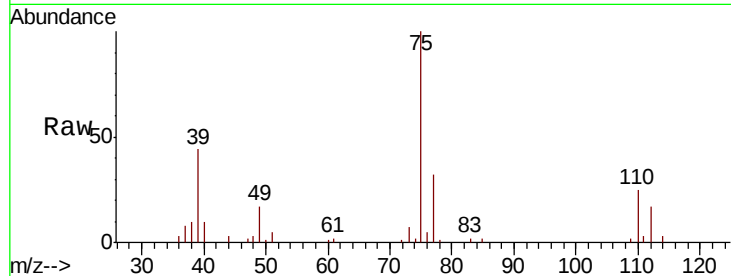
cis-1,3-Dichloropropene
Concen: 0.975 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	44.0	30.8	46.2

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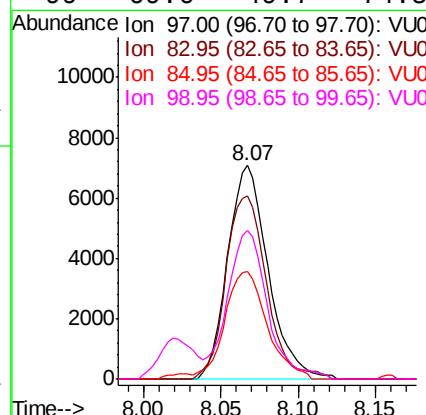
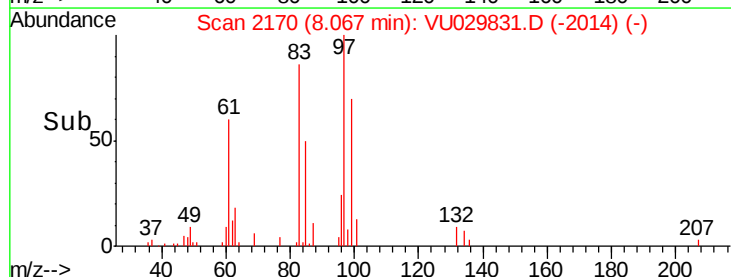
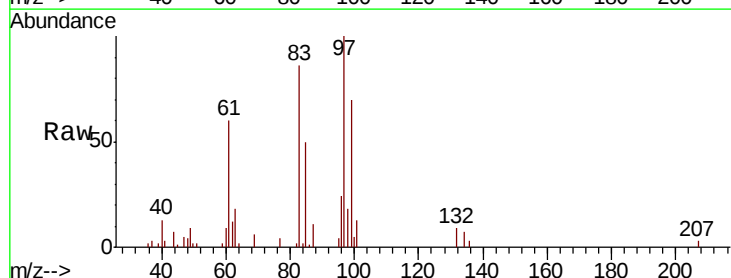
MMDadoda
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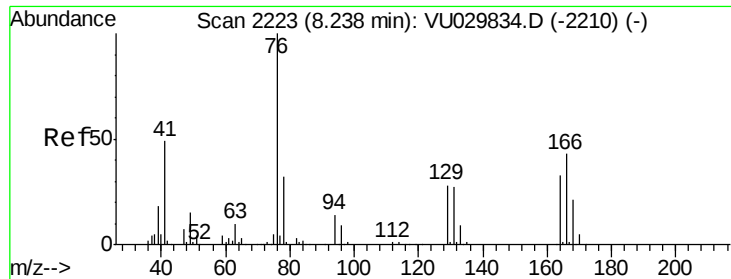


#52

1,1,2-Trichloroethane
Concen: 1.019 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.9	98.9
85	50.4	43.0	64.6
99	69.6	49.7	74.5





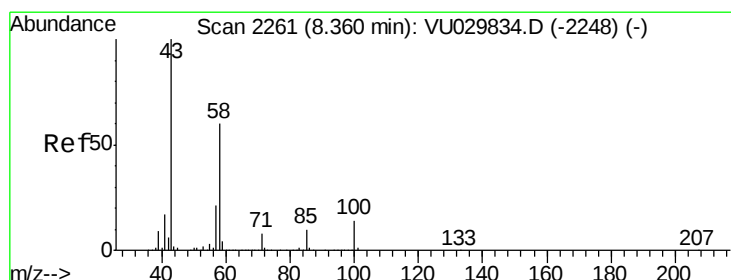
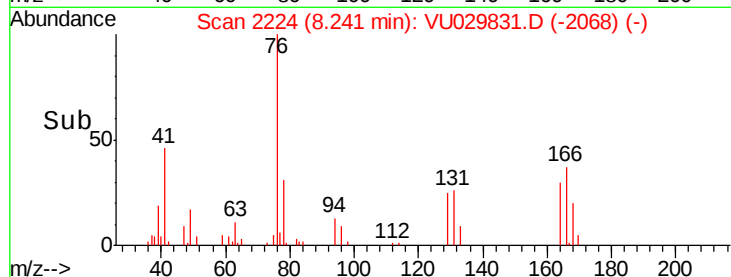
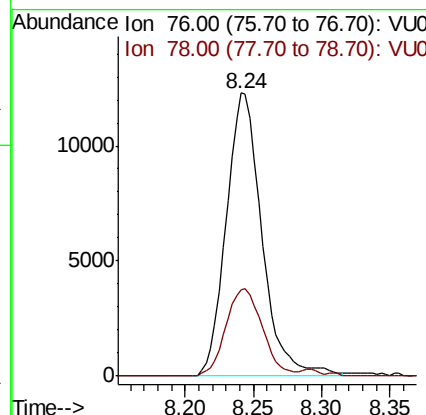
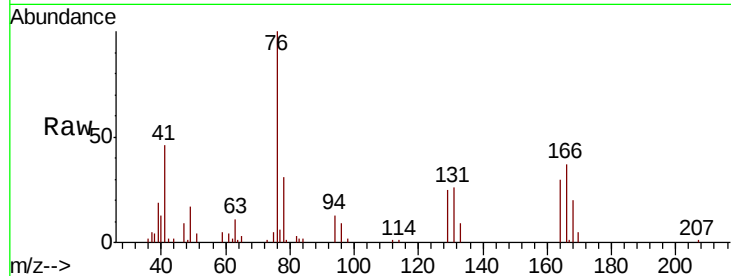
#53
 1,3-Dichloropropane
 Concen: 1.083 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion: 76 Resp: 22347
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5

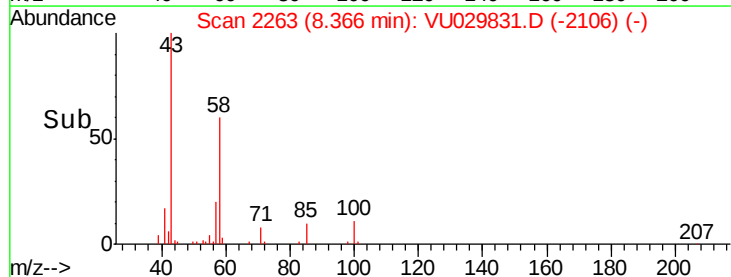
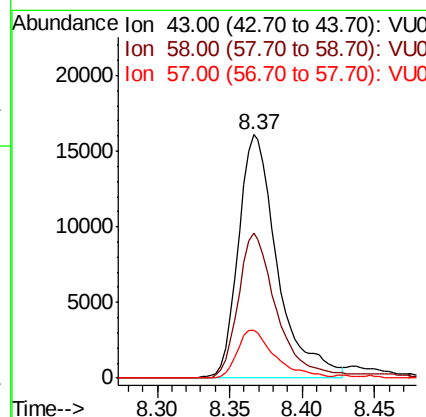
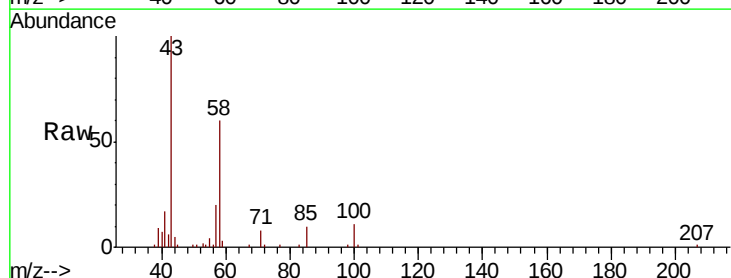
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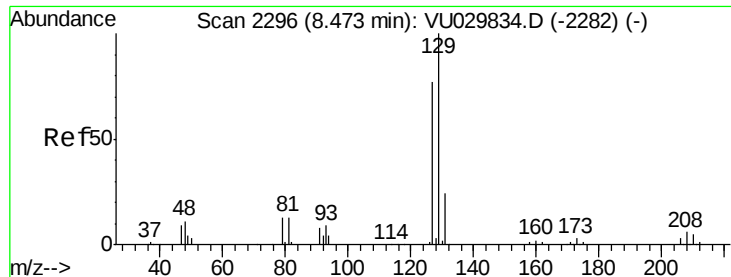
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#54
 2-Hexanone
 Concen: 4.880 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 43 Resp: 30050
 Ion Ratio Lower Upper
 43 100
 58 59.1 39.6 79.6
 57 18.9 0.5 40.5





#55

Dibromochloromethane

Concen: 1.000 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 14941

Ion Ratio Lower Upper

129 100

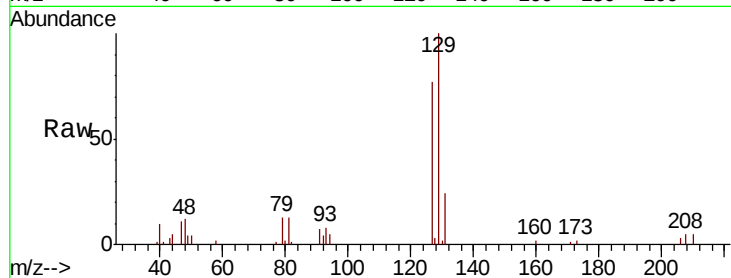
127 78.7 61.6 92.4

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.47

10000

8000

6000

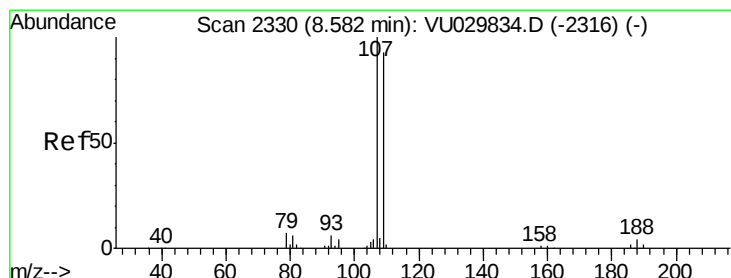
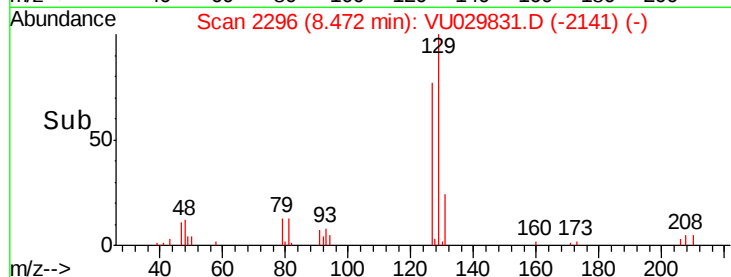
4000

2000

0

Time-->

8.40 8.45 8.50 8.55



#56

1,2-Dibromoethane

Concen: 1.040 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU029831.D

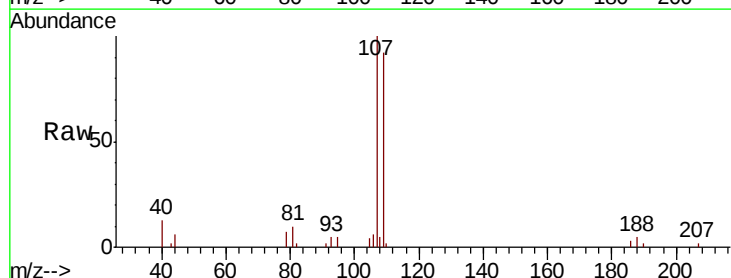
Acq: 06 Mar 2019 09:53

Tgt Ion:107 Resp: 12404

Ion Ratio Lower Upper

107 100

109 93.0 0.0 188.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

6000

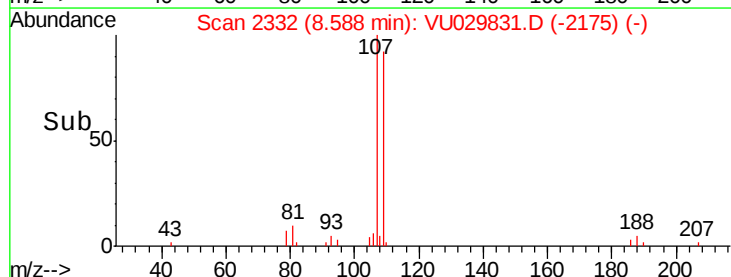
4000

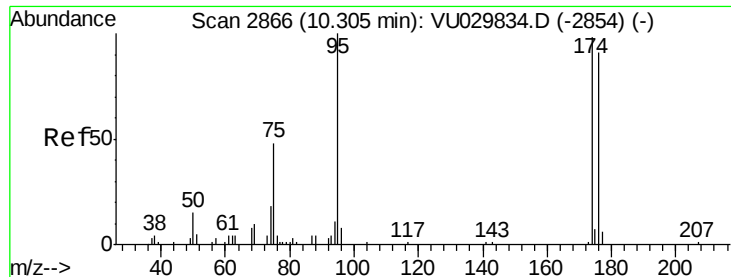
2000

0

Time-->

8.50 8.55 8.60 8.65 8.70





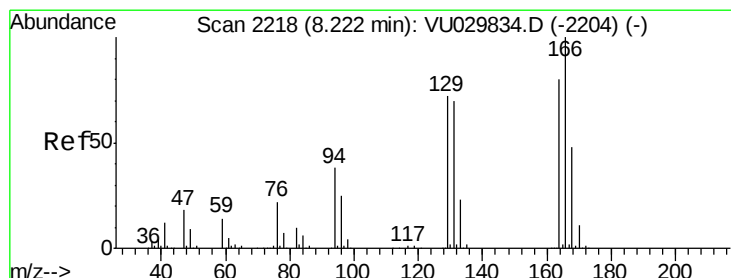
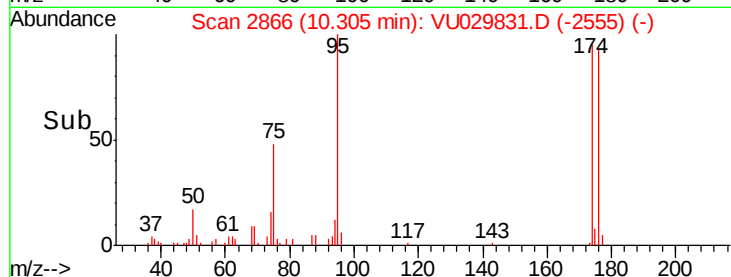
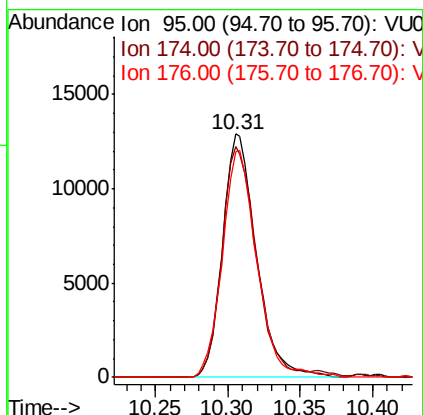
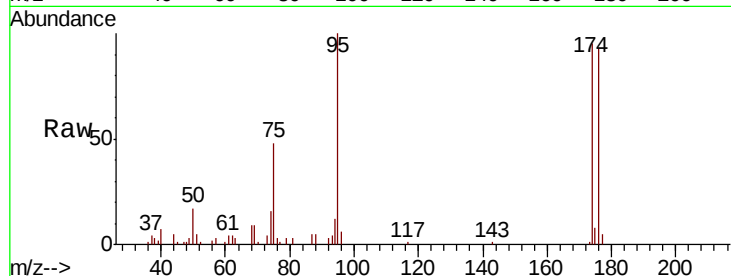
#57
4-Bromofluorobenzene
Concen: 1.040 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.9	76.5	114.7
176	95.0	74.2	111.2

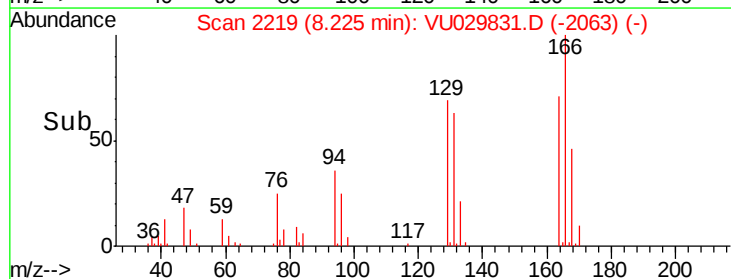
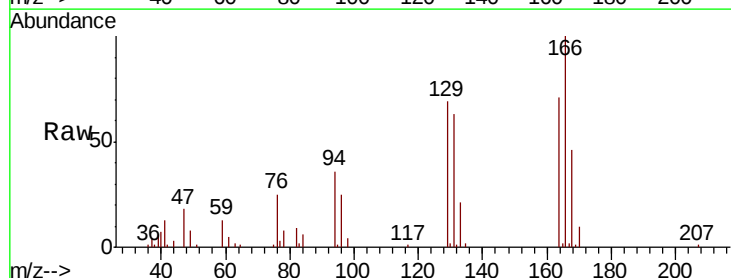
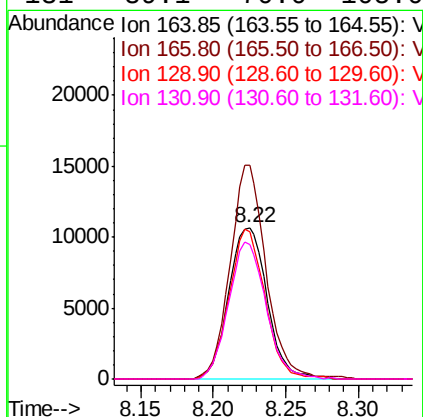
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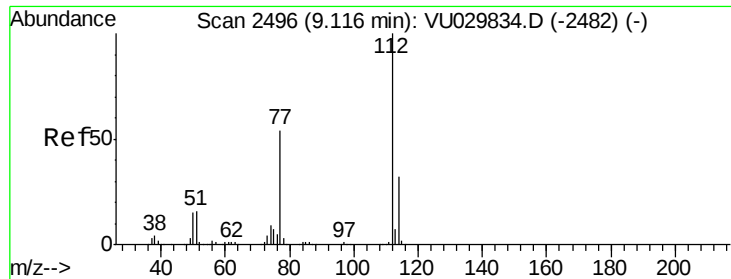
MMDadoda
3/11/2019 4:49:49 PM



#58
Tetrachloroethene
Concen: 1.020 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	141.0	100.5	150.7
129	97.1	72.3	108.5
131	89.1	70.0	105.0





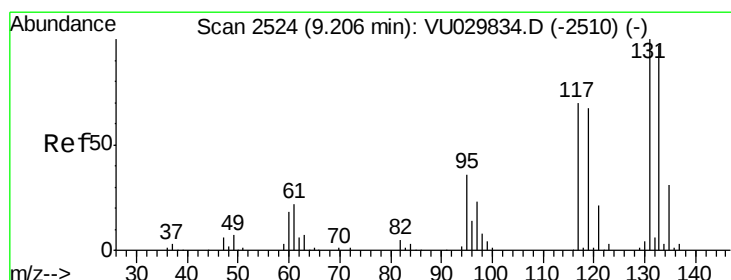
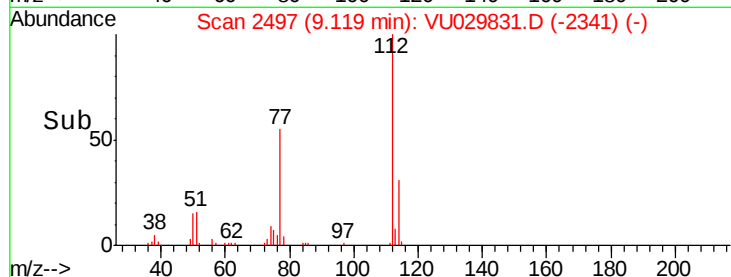
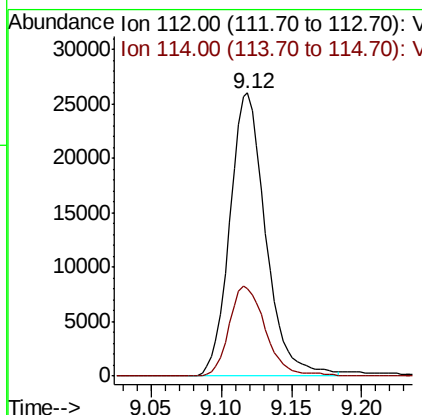
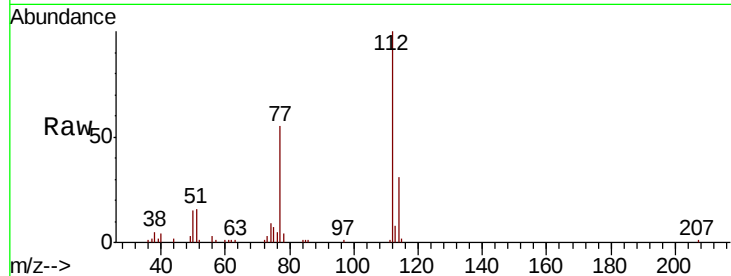
#59
Chlorobenzene
Concen: 1.016 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:112 Resp: 46474
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.2

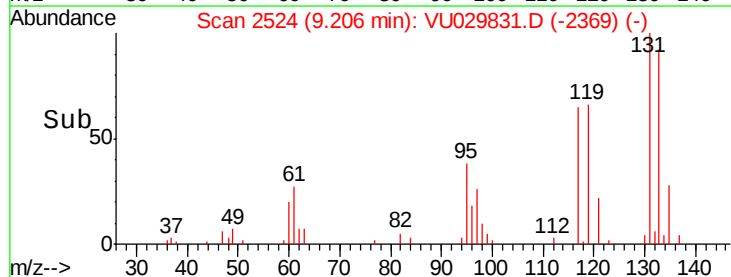
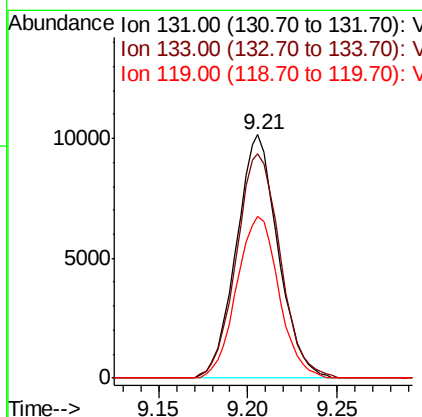
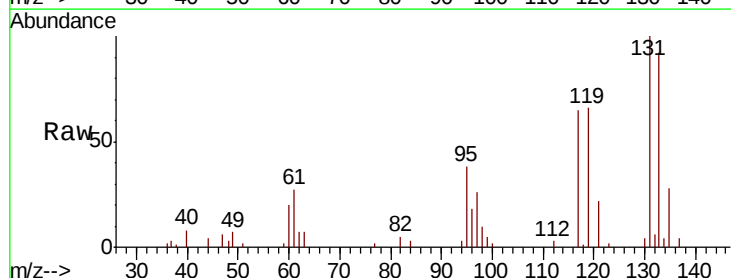
Manual Integrations
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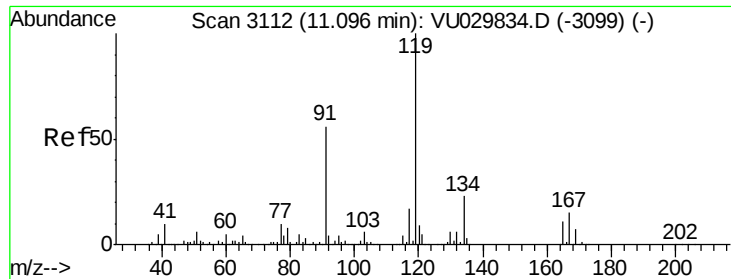
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.008 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion:131 Resp: 16543
Ion Ratio Lower Upper
131 100
133 97.1 76.4 114.6
119 67.1 54.2 81.4





#61

Pentachloroethane

Concen: 0.990 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 11314

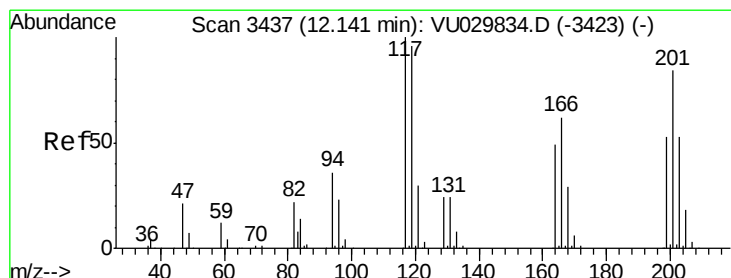
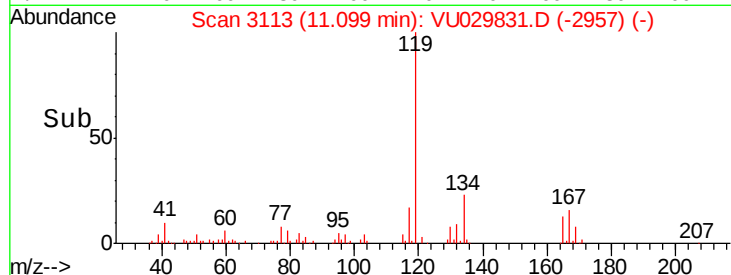
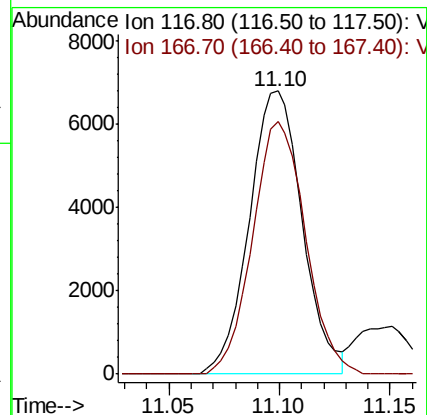
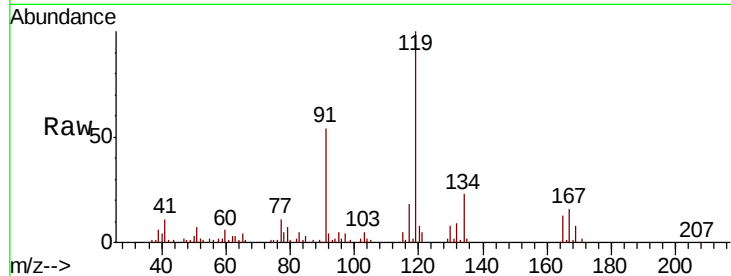
Ion Ratio Lower Upper

117 100

167 88.9 71.4 107.2

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#62

Hexachloroethane

Concen: 0.979 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029831.D

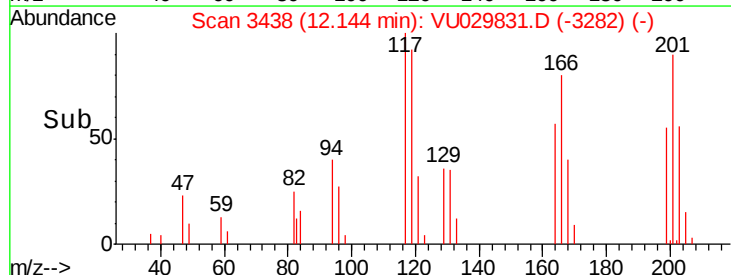
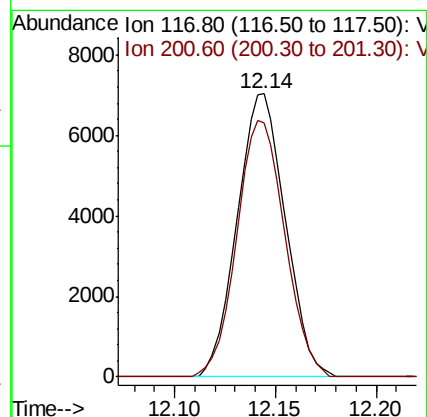
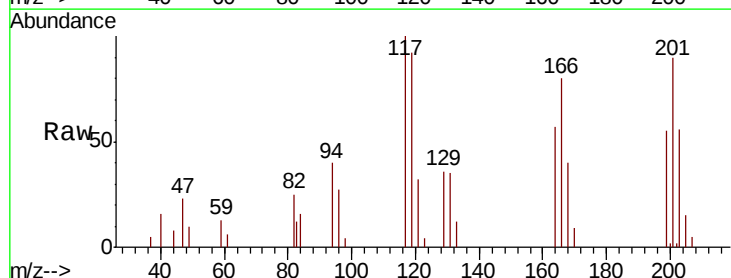
Acq: 06 Mar 2019 09:53

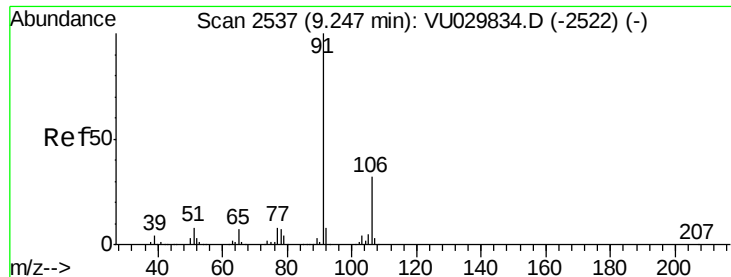
Tgt Ion:117 Resp: 11765

Ion Ratio Lower Upper

117 100

201 90.1 68.2 102.2





#63

Ethyl Benzene

Concen: 0.977 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 73236

Ion Ratio Lower Upper

91 100

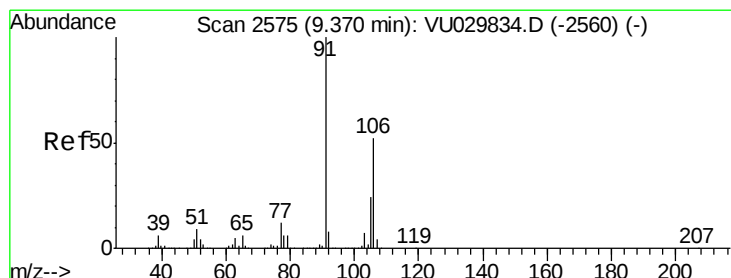
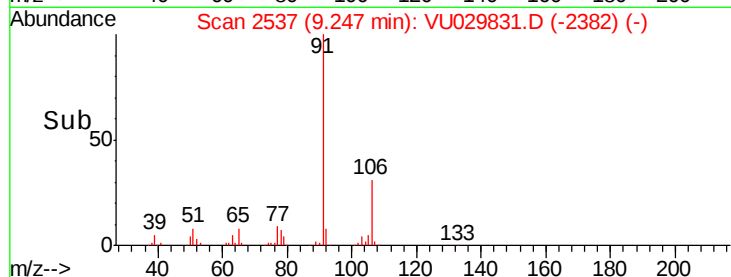
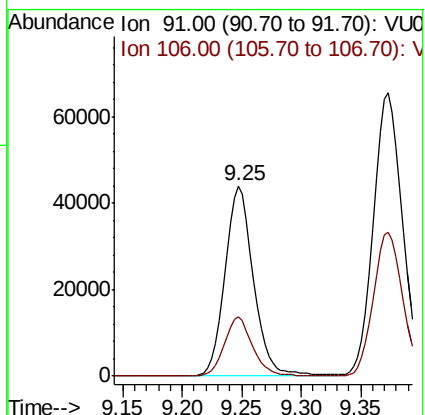
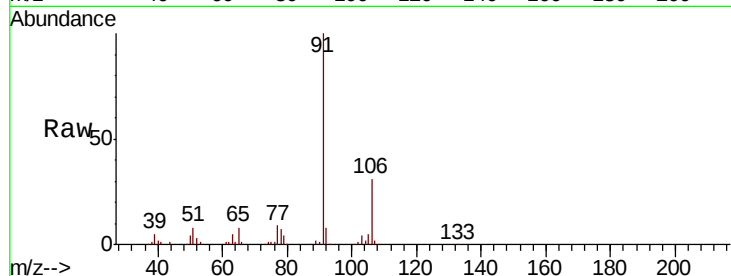
106 31.2 25.7 38.5

Manual Integrations

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#64

m/p-Xylenes

Concen: 1.961 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029831.D

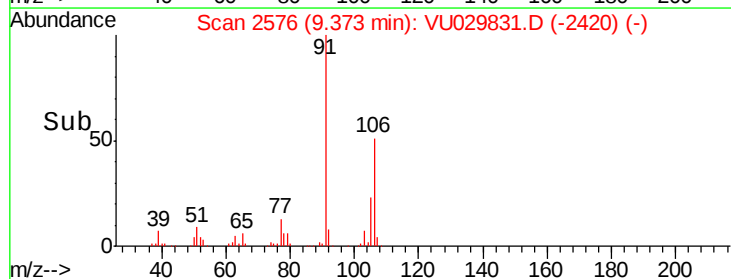
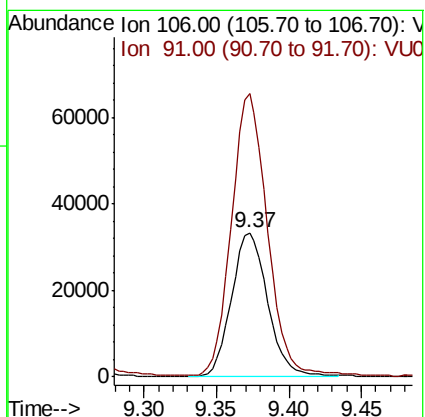
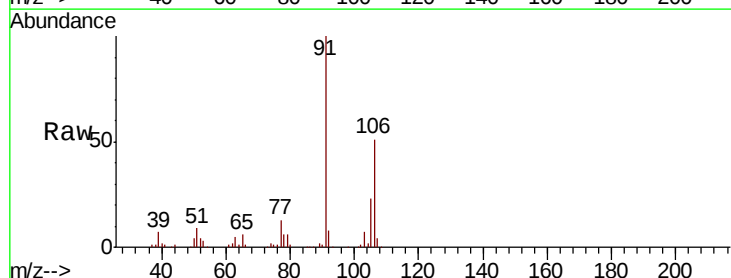
Acq: 06 Mar 2019 09:53

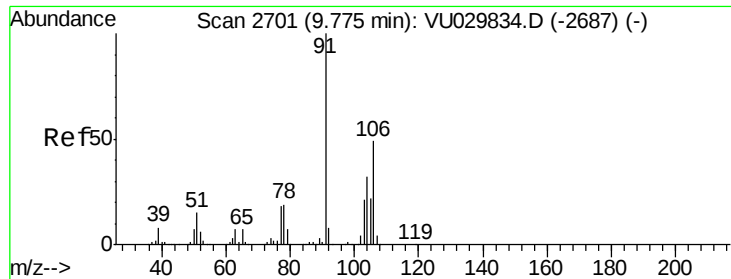
Tgt Ion: 106 Resp: 58073

Ion Ratio Lower Upper

106 100

91 193.0 155.3 232.9





#65

o-Xylene

Concen: 0.964 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:106 Resp: 27437

Ion Ratio Lower Upper

106 100

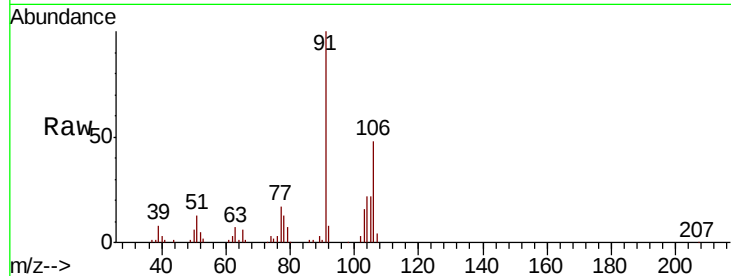
91 210.8 102.8 308.3

Manual Integrations

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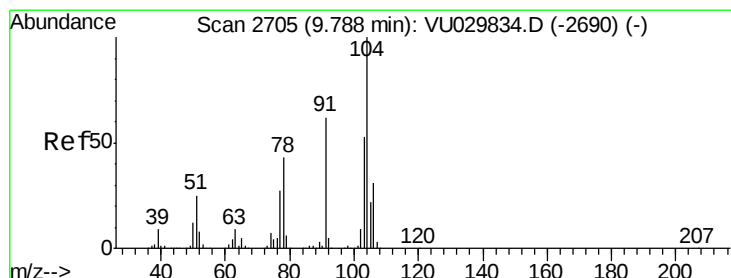
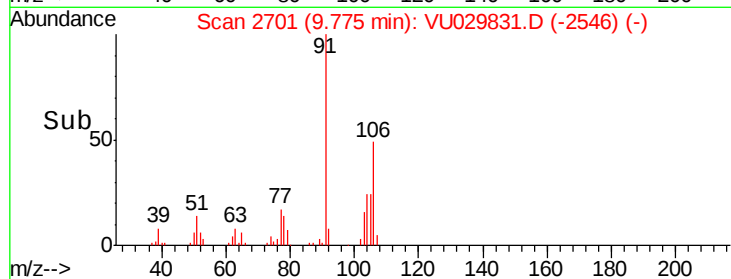
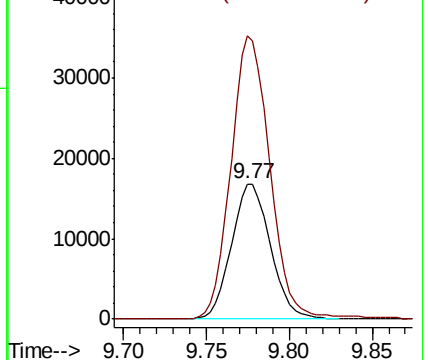
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.964 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

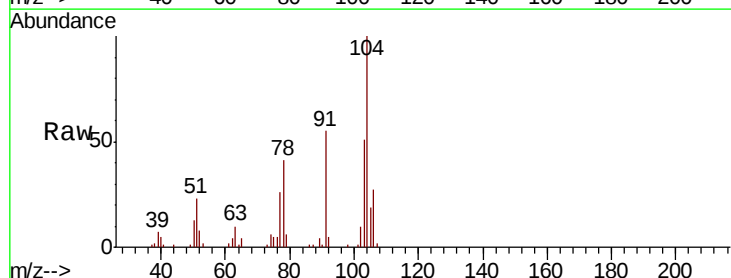
Tgt Ion:104 Resp: 45559

Ion Ratio Lower Upper

104 100

78 45.5 37.2 55.8

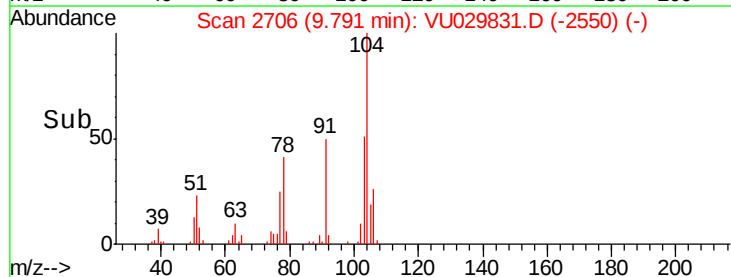
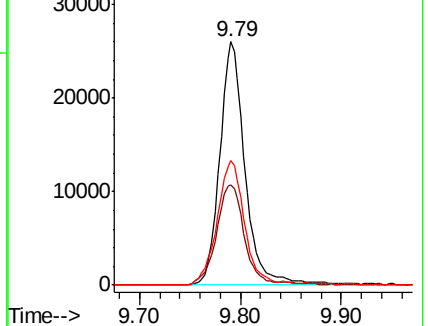
103 55.5 44.7 67.1

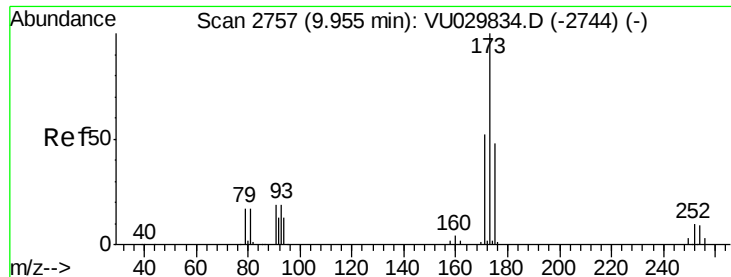


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





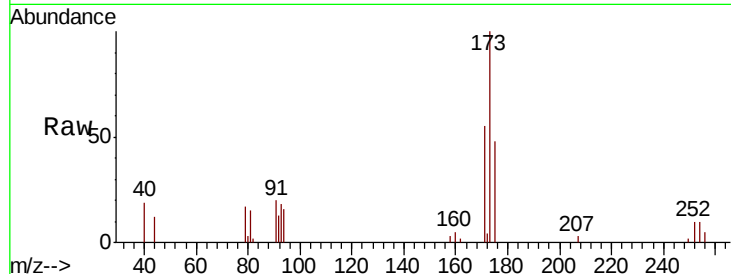
#67
Bromoform
Concen: 0.961 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

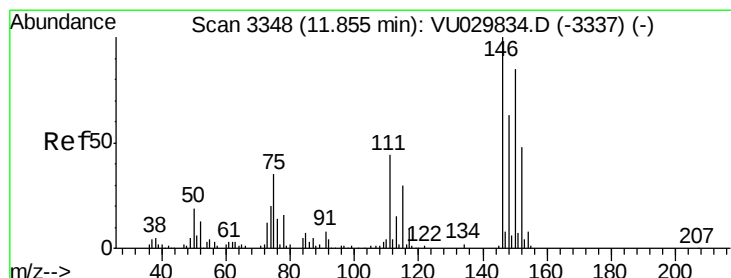
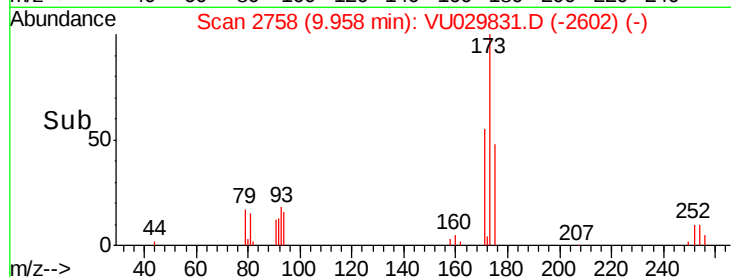
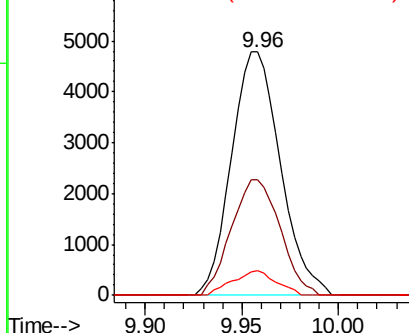
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	38.6	57.8
254	9.0	7.4	11.2

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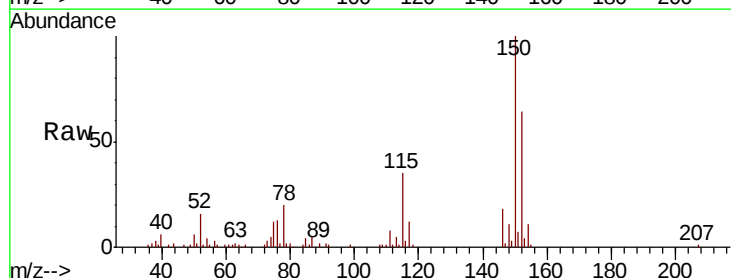


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

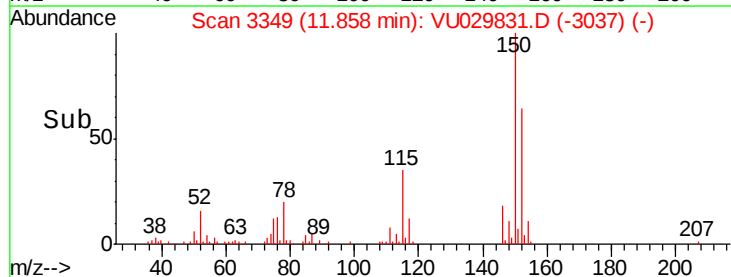
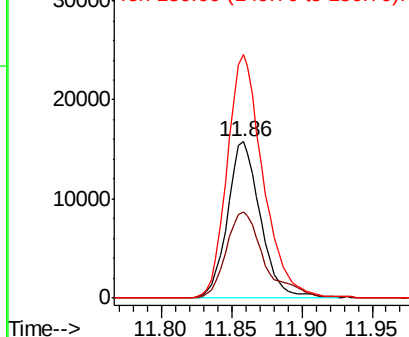


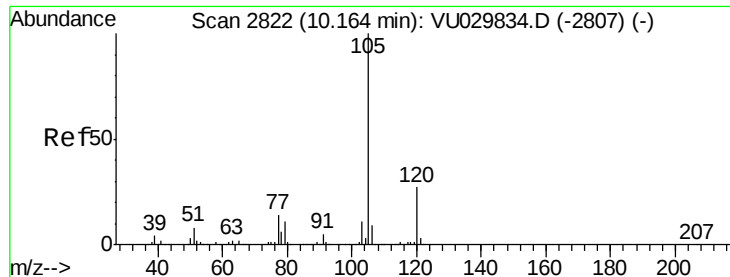
#68
1,2-Dichlorobenzene-d4
Concen: 0.961 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	0.0	124.0
150	168.5	0.0	631.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.979 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 73876

Ion Ratio Lower Upper

105 100

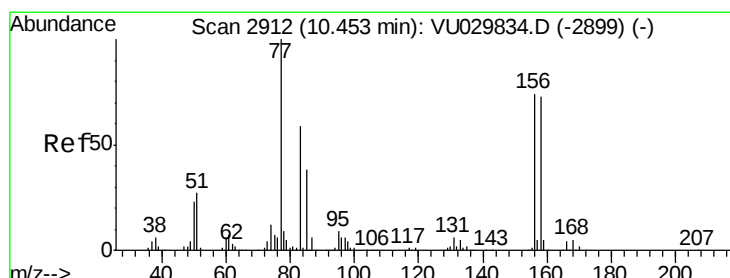
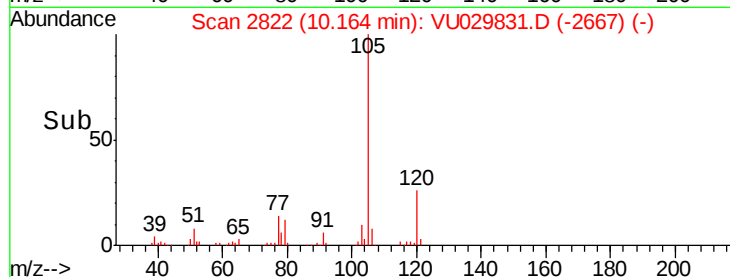
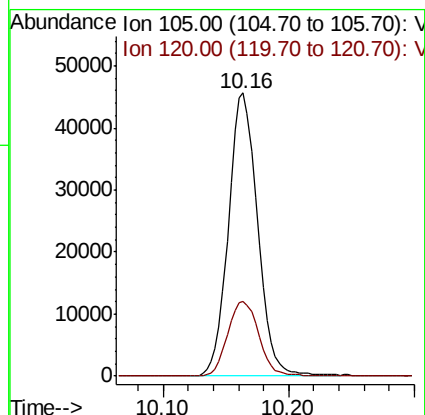
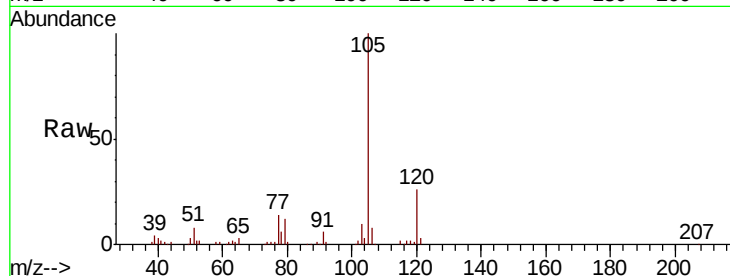
120 28.0 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.009 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

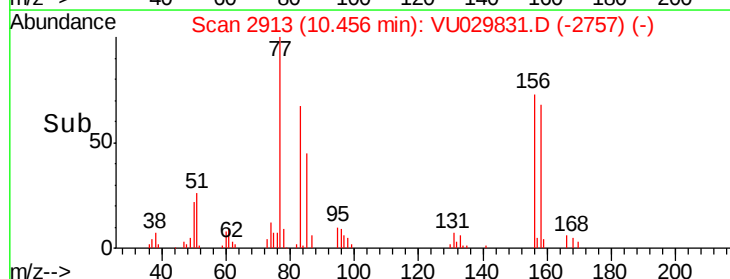
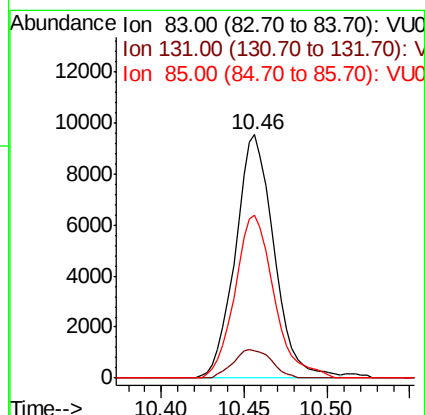
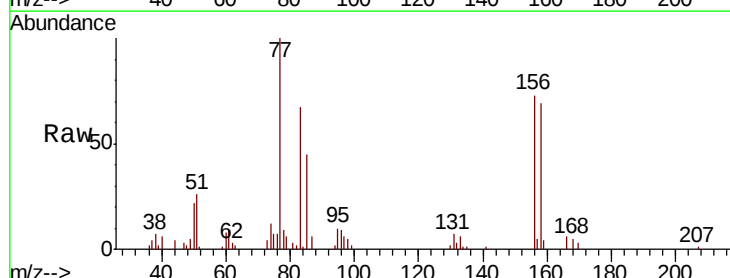
Tgt Ion: 83 Resp: 15487

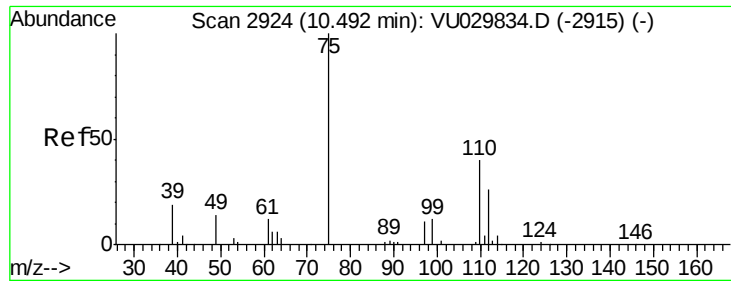
Ion Ratio Lower Upper

83 100

131 11.6 8.3 12.5

85 67.8 52.5 78.7





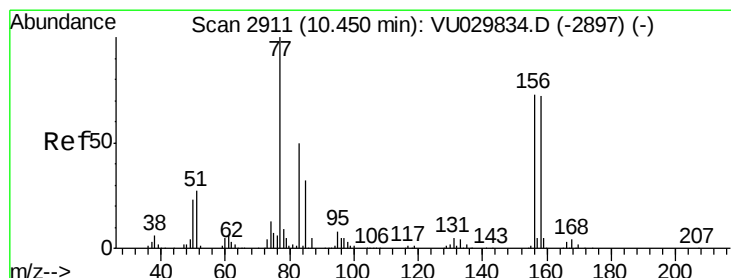
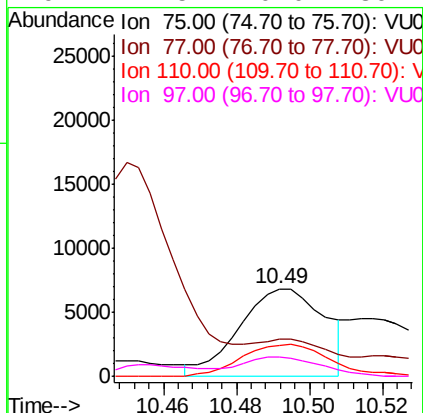
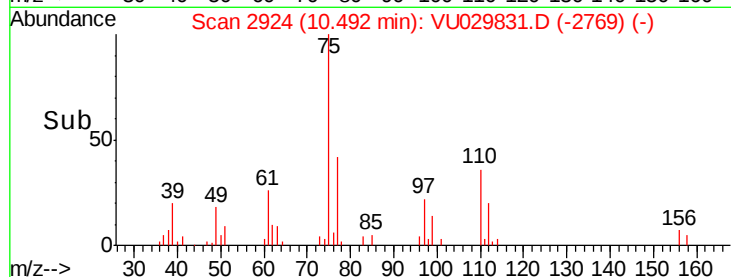
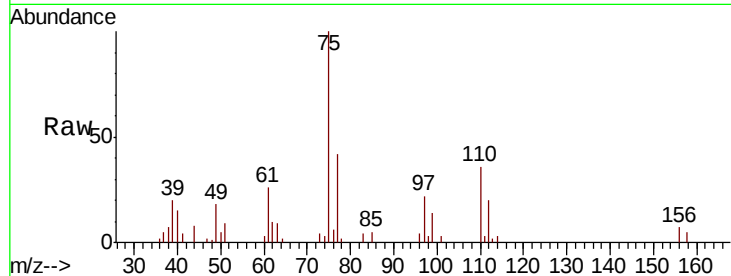
#71
1,2,3-Trichloropropane
Concen: 0.988 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	38.2	0.0	74.8
97	21.5	0.0	39.4

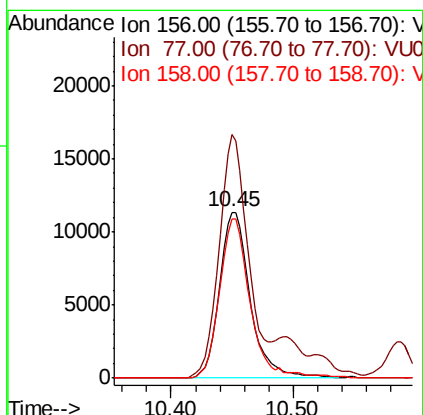
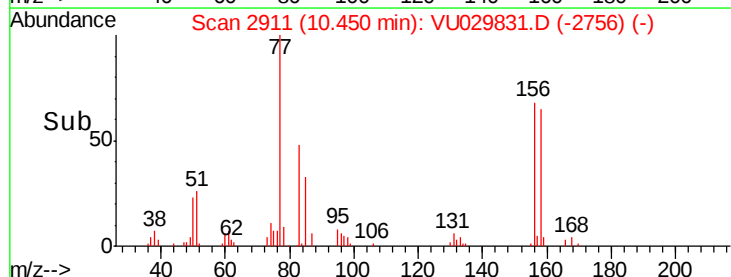
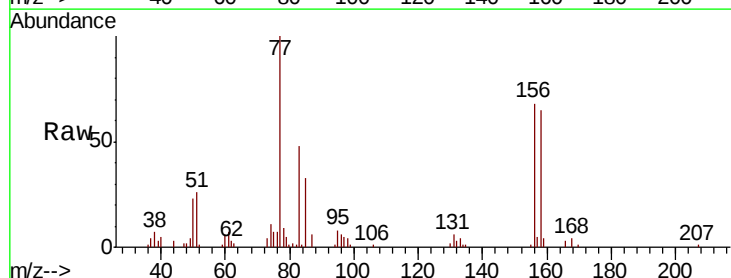
Manual Integrations
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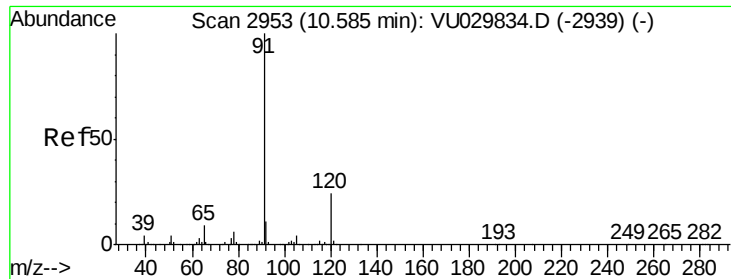
MMDadoda
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#72
Bromobenzene
Concen: 1.006 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
156	100		
77	139.8	0.0	282.2
158	92.8	0.0	196.2





#73

n-propylbenzene

Concen: 0.936 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:120 Resp: 19849

Ion Ratio Lower Upper

120 100

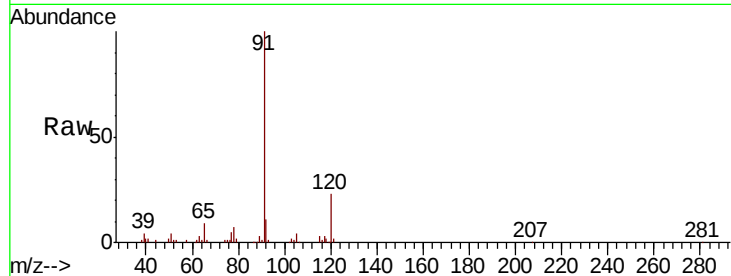
91 436.5 333.4 500.2

Manual Integrations

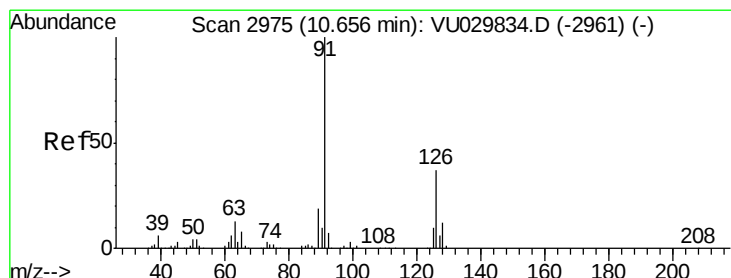
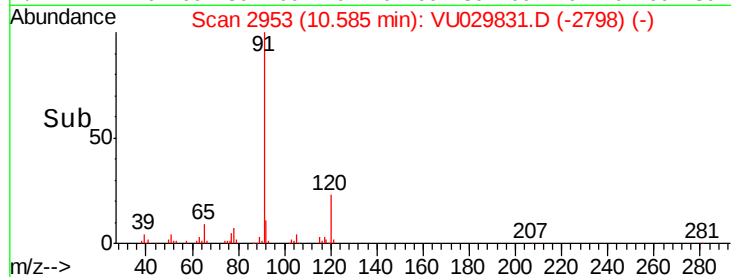
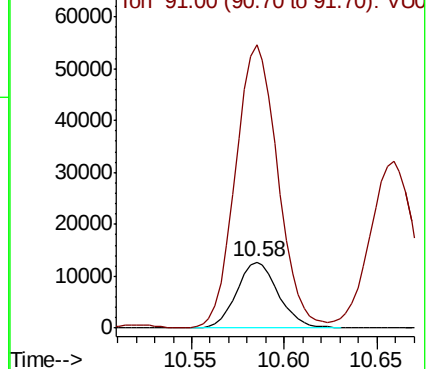
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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 0.987 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029831.D

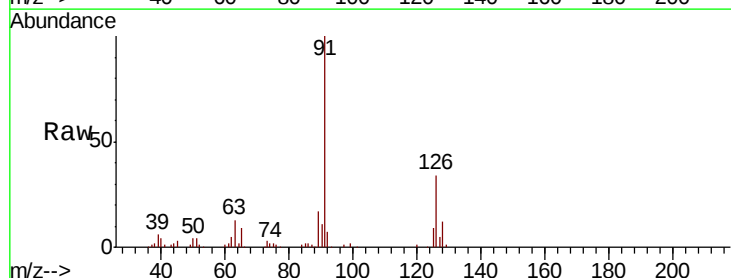
Acq: 06 Mar 2019 09:53

Tgt Ion:126 Resp: 18575

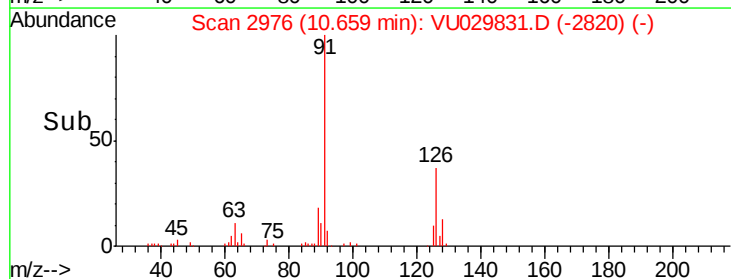
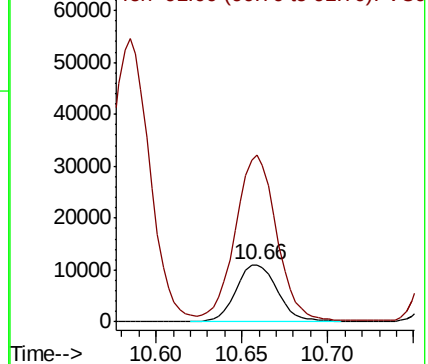
Ion Ratio Lower Upper

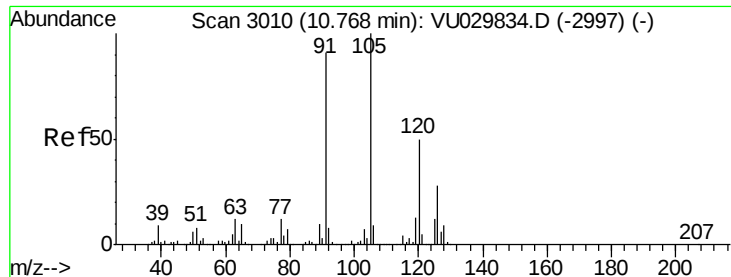
126 100

91 286.0 0.0 569.0



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 0.954 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 60655

Ion Ratio Lower Upper

105 100

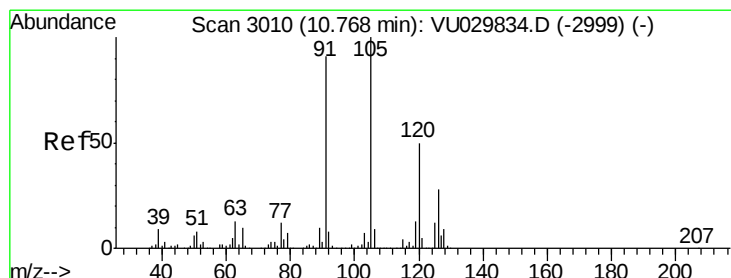
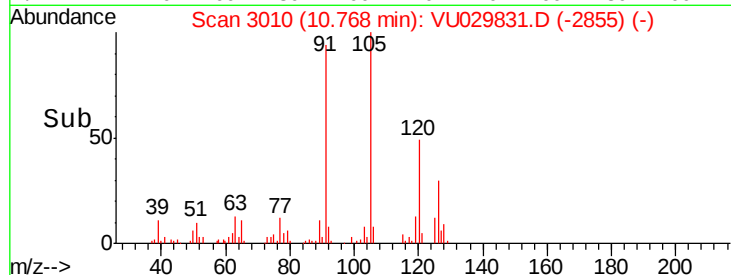
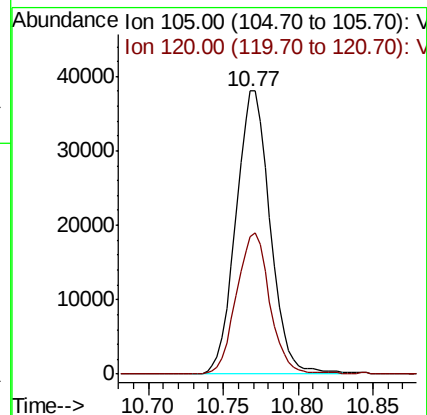
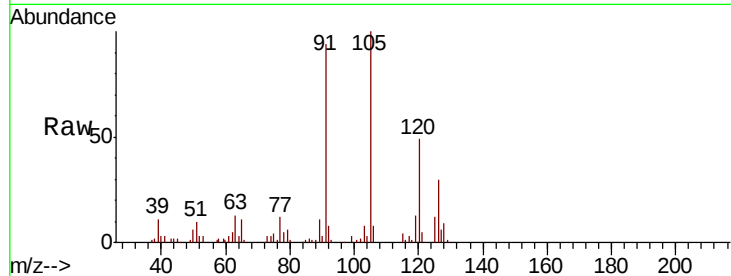
120 48.7 40.0 60.0

Manual Integrations

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#76

4-Chlorotoluene

Concen: 0.985 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029831.D

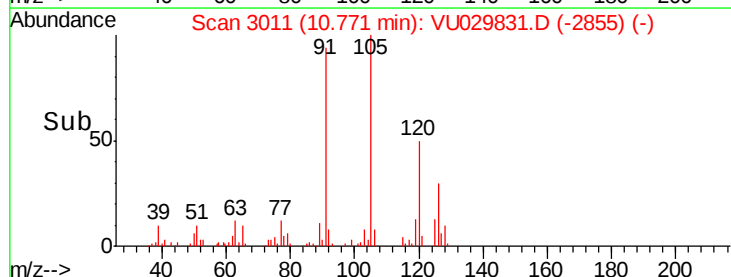
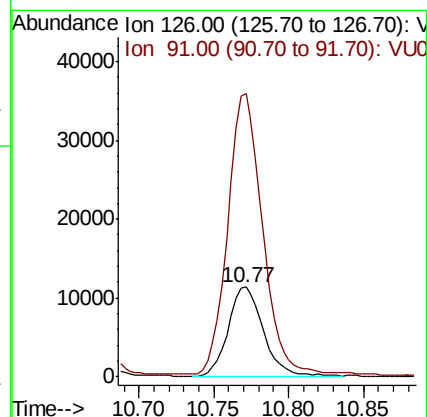
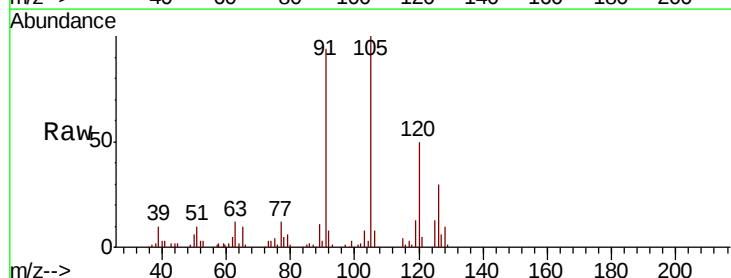
Acq: 06 Mar 2019 09:53

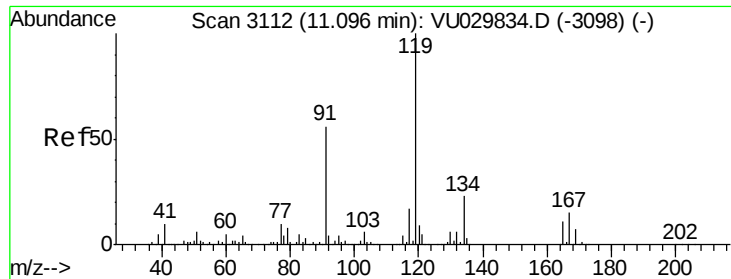
Tgt Ion:126 Resp: 18892

Ion Ratio Lower Upper

126 100

91 318.2 0.0 634.8





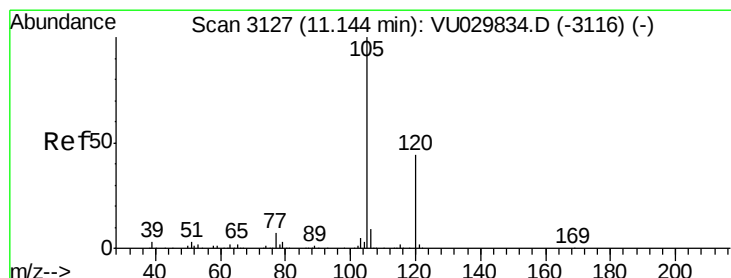
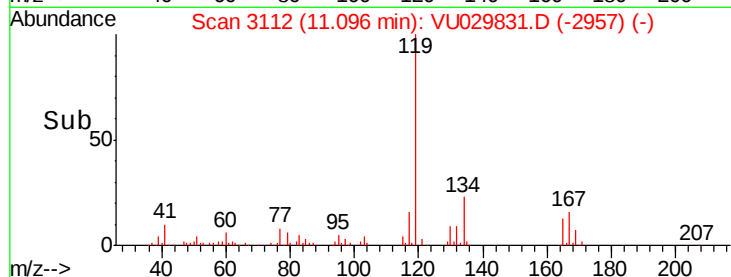
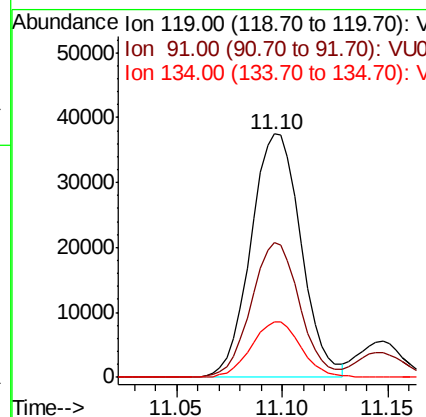
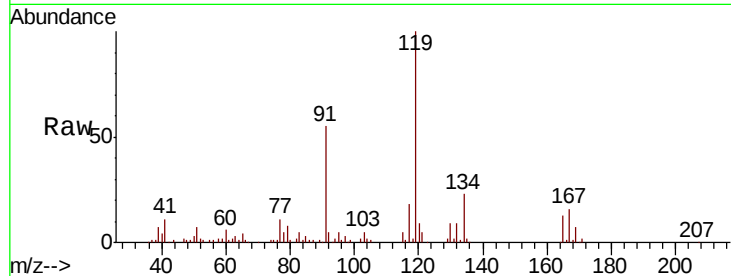
#77
 tert-Butylbenzene
 Concen: 0.987 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
91	53.2	27.7	83.1
134	22.7	18.7	28.1

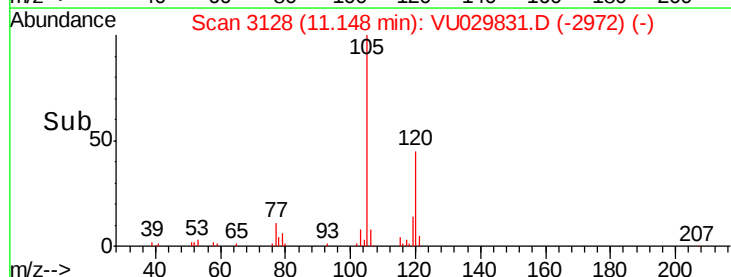
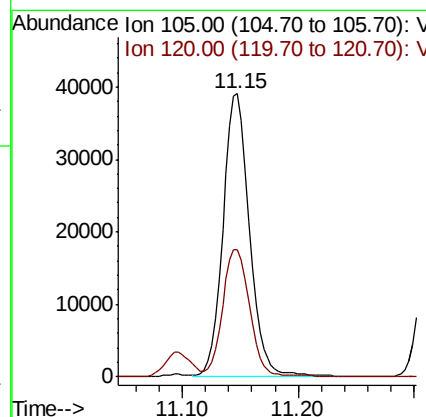
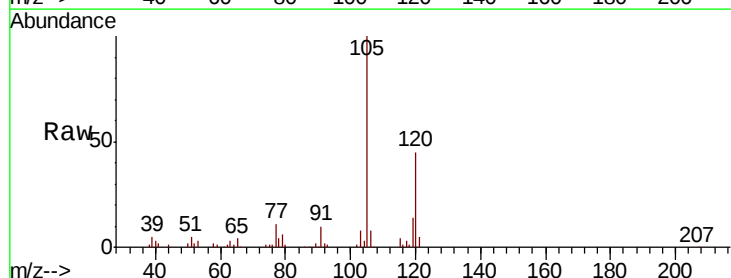
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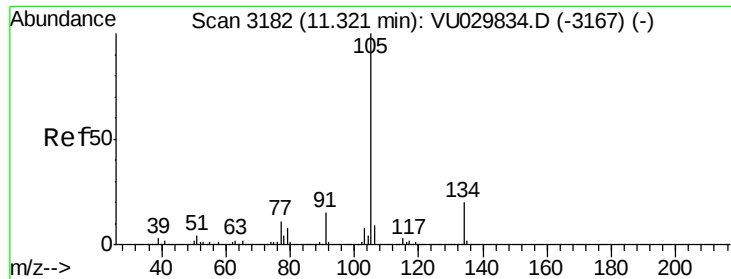
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.967 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.5	70.5





#79

sec-Butylbenzene

Concen: 0.964 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 80345

Ion Ratio Lower Upper

105 100

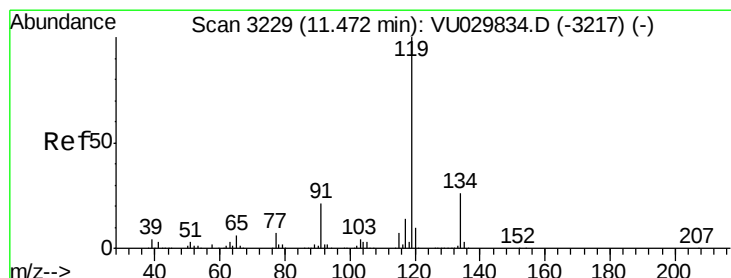
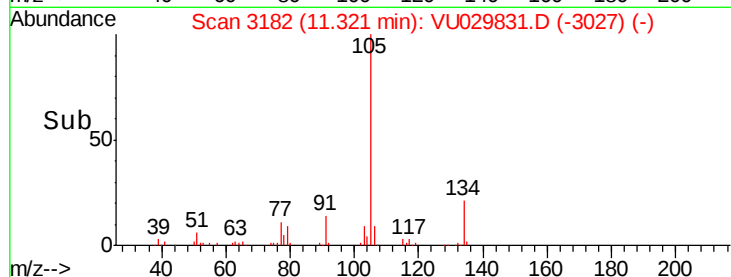
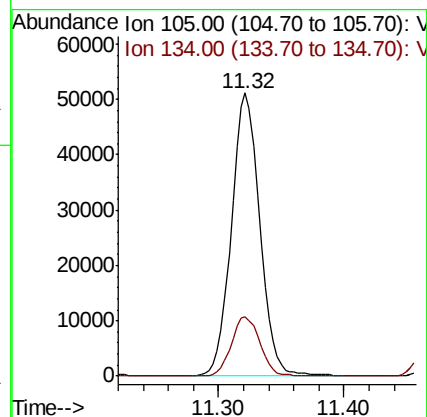
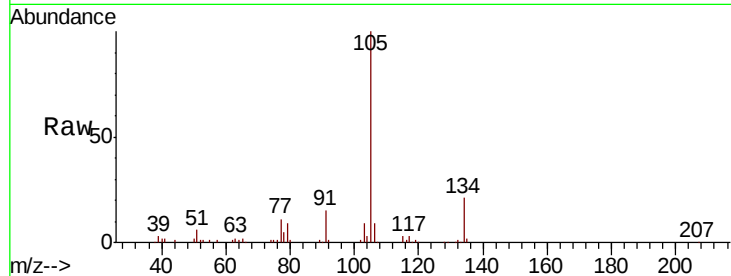
134 21.1 16.3 24.5

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#81

p-Isopropyltoluene

Concen: 0.924 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

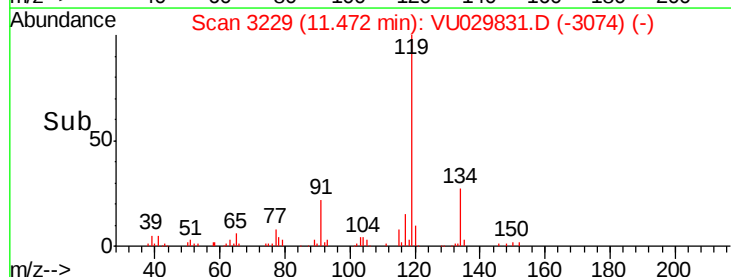
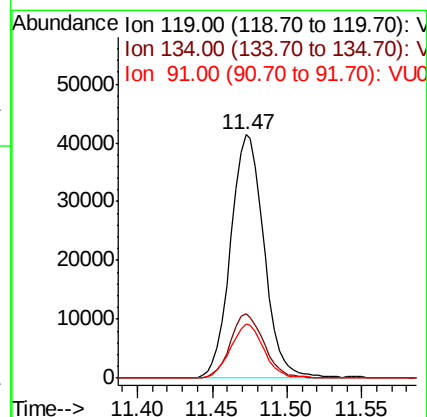
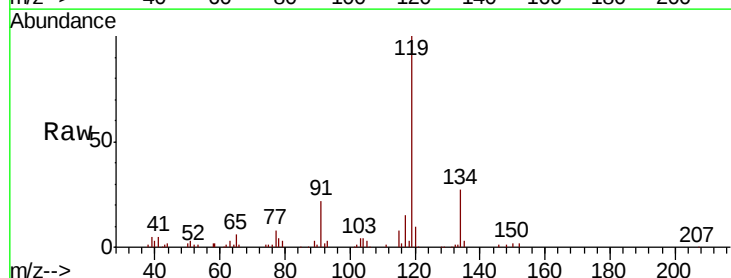
Tgt Ion:119 Resp: 64478

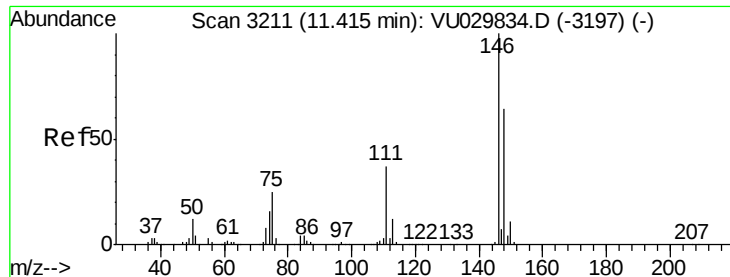
Ion Ratio Lower Upper

119 100

134 26.7 21.2 31.8

91 22.2 17.2 25.8





#82

1,3-Dichlorobenzene

Concen: 1.011 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

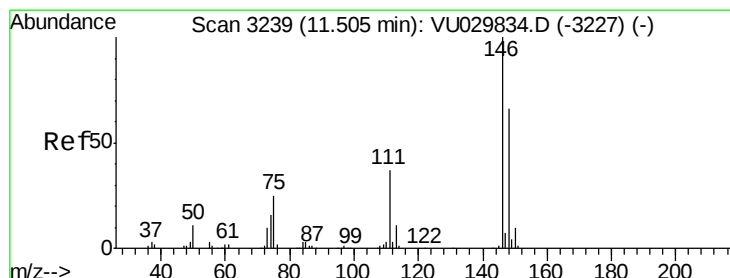
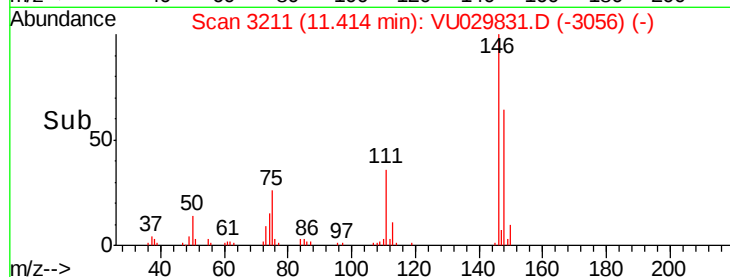
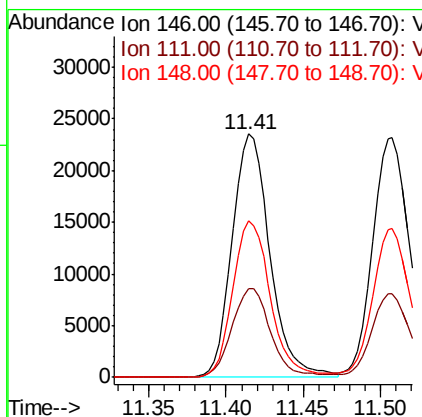
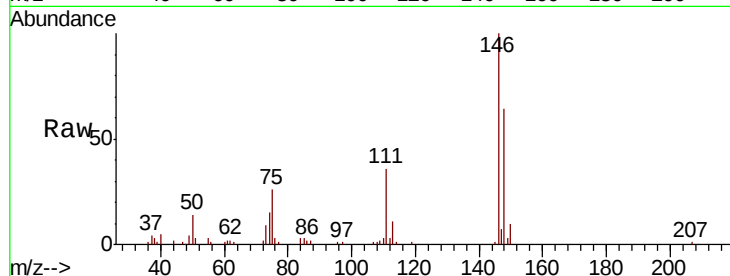
ClientSampleId :

VSTDIC001

Tgt Ion:	146	Resp:	39989
Ion Ratio	Lower	Upper	
146	100		
111	37.7	30.2	45.4
148	64.2	51.2	76.8

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#83

1,4-Dichlorobenzene

Concen: 0.985 ug/l

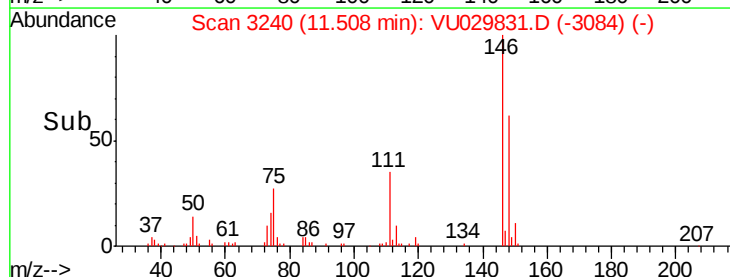
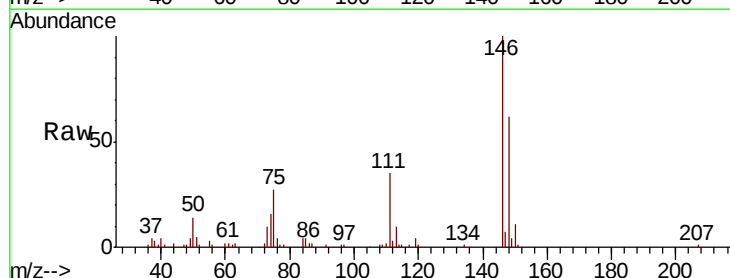
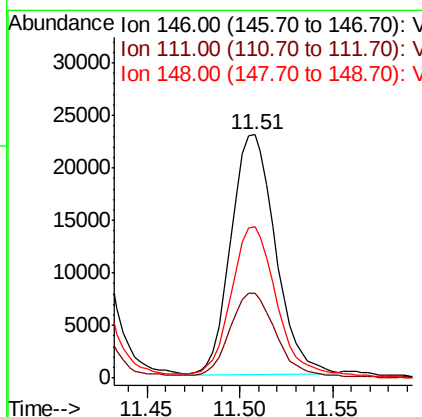
RT: 11.51 min Scan# 3240

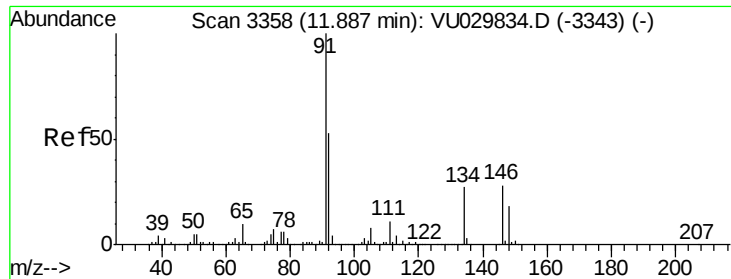
Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Tgt Ion:	146	Resp:	38044
Ion Ratio	Lower	Upper	
146	100		
111	36.2	29.4	44.2
148	67.0	51.7	77.5





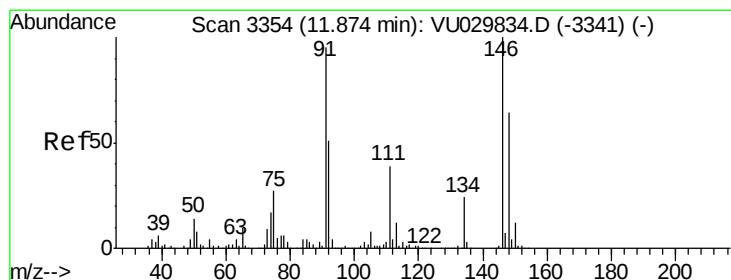
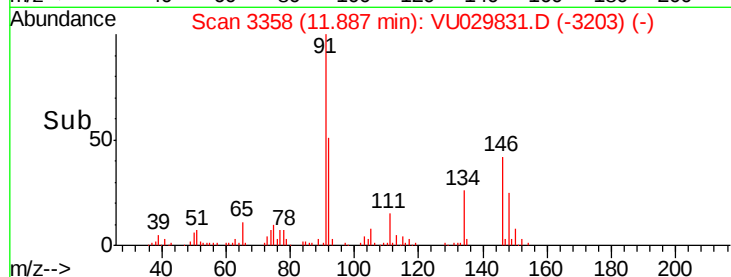
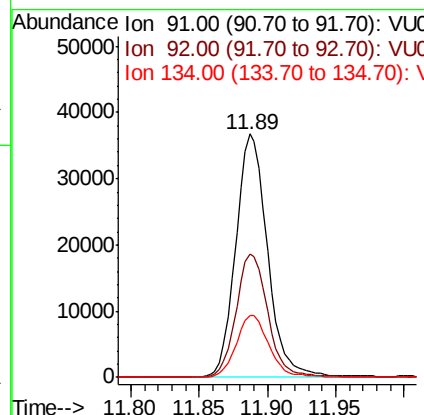
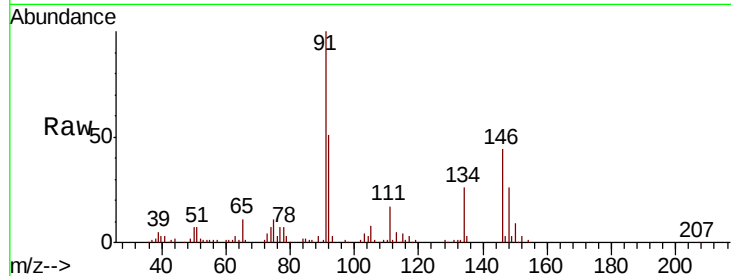
#84
n-Butylbenzene
Concen: 0.936 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	42.6	63.8
134	26.2	21.7	32.5

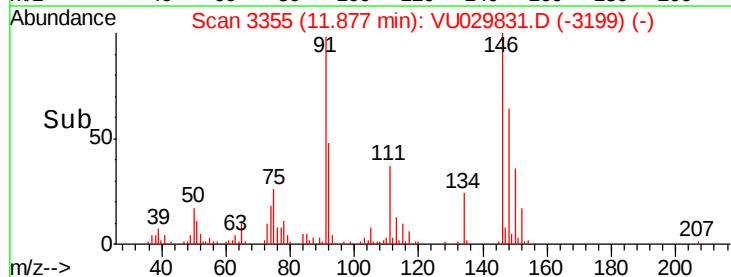
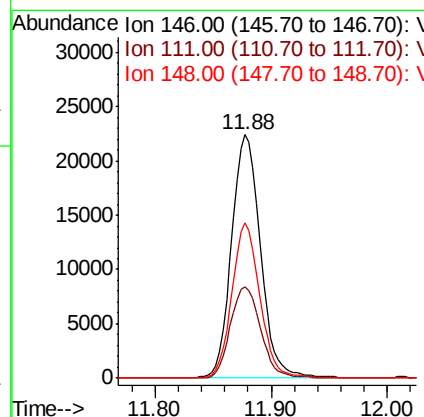
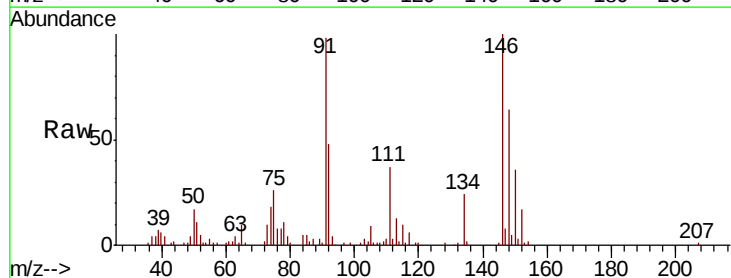
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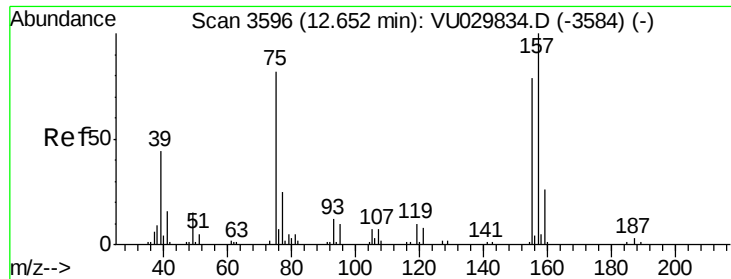
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#85
1,2-Dichlorobenzene
Concen: 1.038 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.9	59.6
148	61.3	32.1	96.3





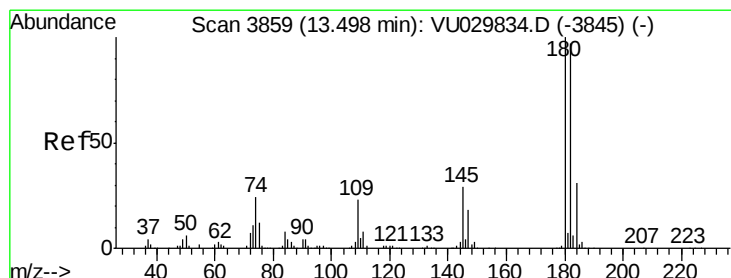
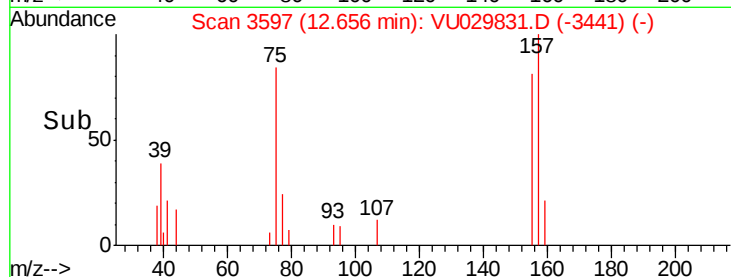
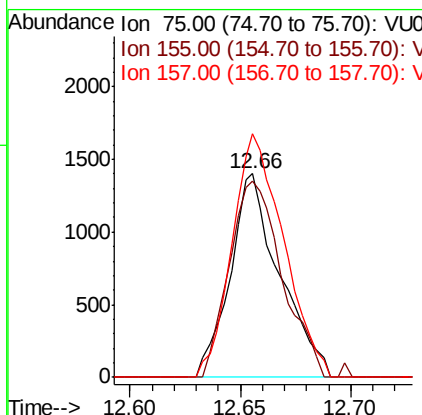
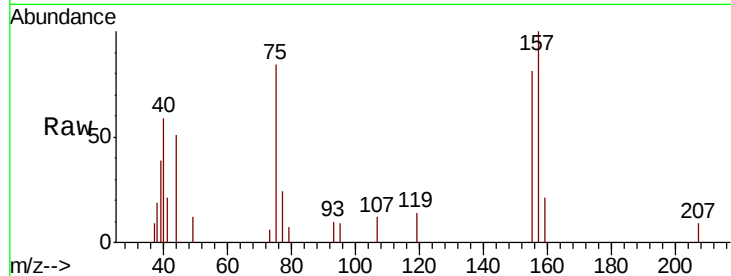
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.000 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 2191
 Ion Ratio Lower Upper
 75 100
 155 102.5 76.6 114.8
 157 124.2 96.2 144.2

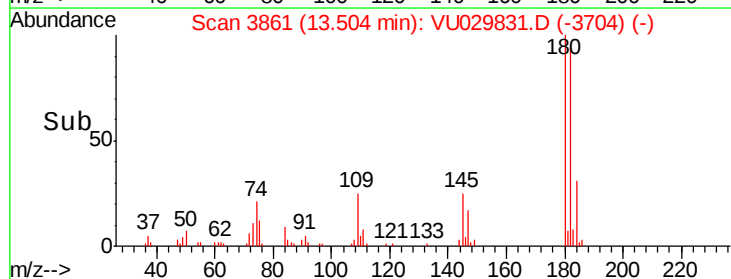
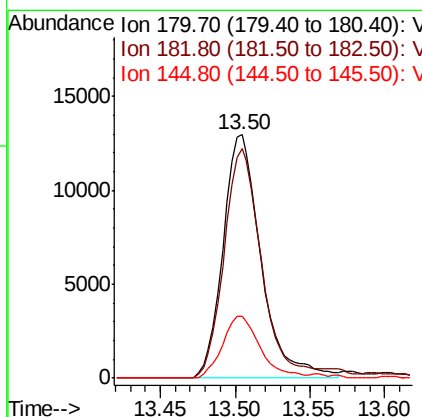
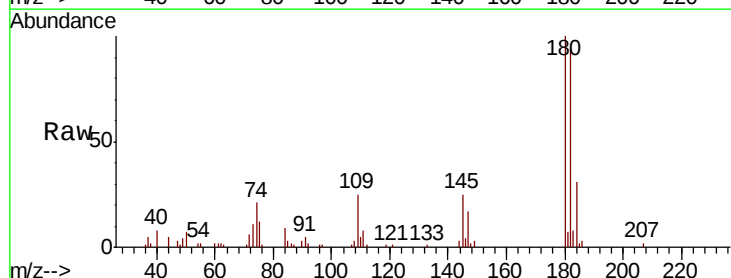
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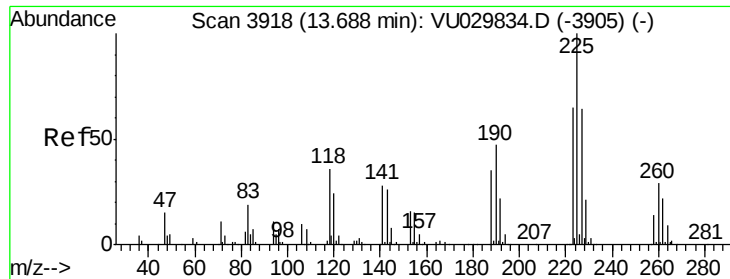
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.961 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 180 Resp: 22937
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.5 116.3
 145 25.3 23.6 35.4





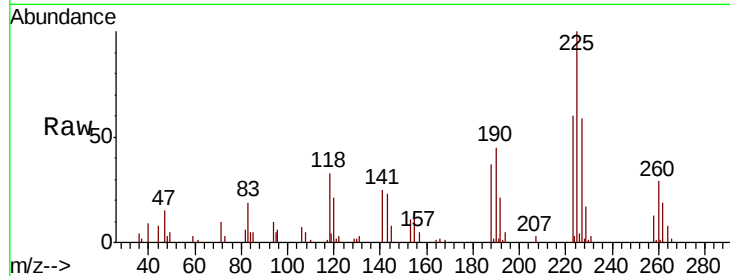
#88
Hexachlorobutadiene
Concen: 1.076 ug/l
RT: 13.69 min Scan# 3919
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

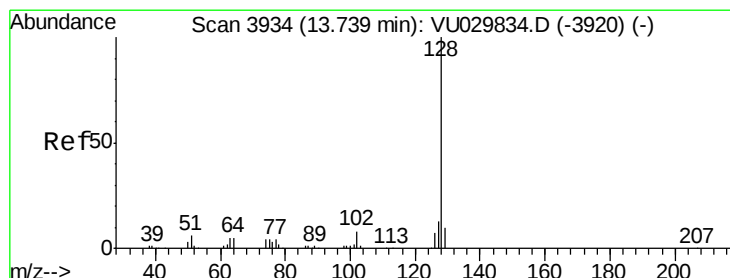
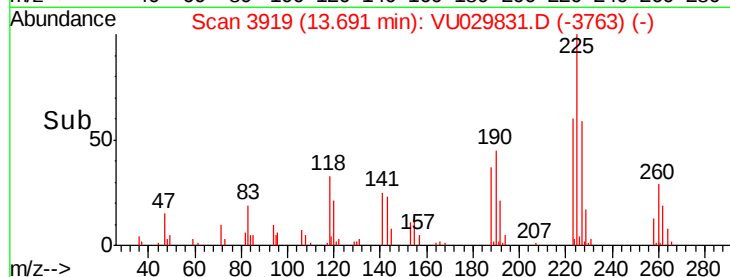
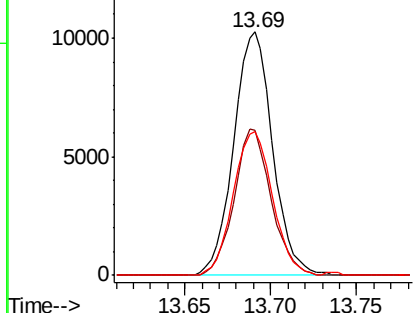
Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.1	51.2	76.8
227	59.5	50.9	76.3

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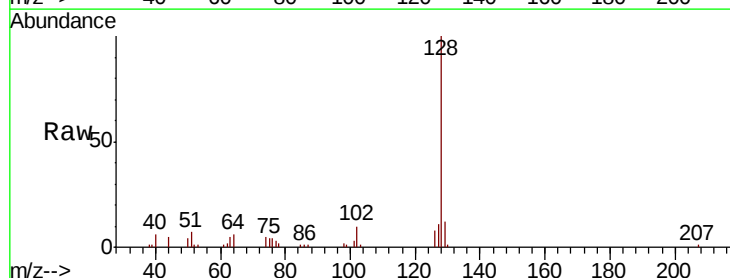


Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V

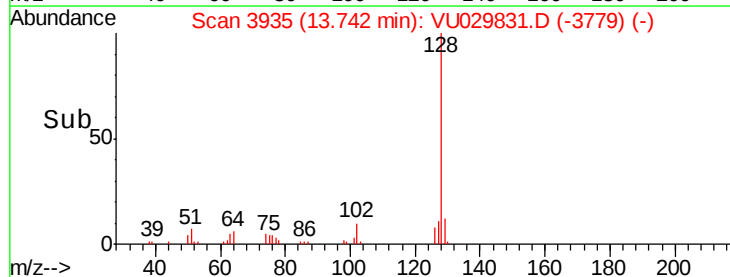
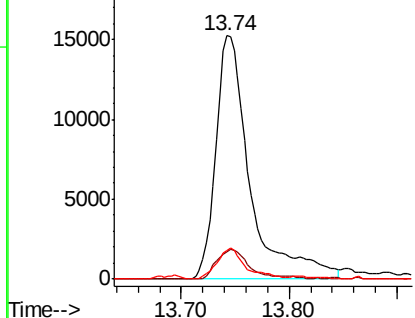


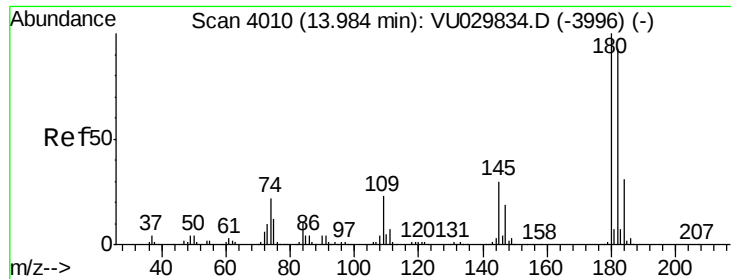
#89
Naphthalene
Concen: 0.884 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.2	15.4
129	10.6	8.2	12.4



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





#90
 1,2,3-Trichlorobenzene
 Concen: 1.004 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	180	Resp:	22526
Ion Ratio	Lower	Upper	
180	100		
182	84.6	74.8	112.2
145	31.0	24.6	36.8

Manual Integrations
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