

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072319\
 Data File : VU033384.D
 Acq On : 23 Jul 2019 16:25
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 11:16:11 AM

Quant Time: Jul 24 04:50:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 03:43:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	31731	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	13325	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13884	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	128890	9.821	ug/l	100
3) Chloromethane	1.33	50	132040	9.116	ug/l	99
4) Vinyl Chloride	1.40	62	151242	9.358	ug/l	99
5) Bromomethane	1.62	94	100497	9.877	ug/l	98
6) Chloroethane	1.69	64	95528	8.416	ug/l	99
7) Trichlorofluoromethane	1.87	101	212179	9.561	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	111521	9.741	ug/l	99
9) 1,1-Dichloroethene	2.27	96	109269	9.691	ug/l	97
10) Iodomethane	2.40	142	119285	7.872	ug/l	100
11) Allyl Chloride	2.58	41	176362	9.478	ug/l	99
12) Acrylonitrile	2.92	53	52738	16.756	ug/l	99
13) Acetone	2.31	43	120765	44.973	ug/l	100
14) Carbon Disulfide	2.46	76	402026	9.384	ug/l	99
15) Methylene Chloride	2.68	84	131363	8.639	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	122929	9.181	ug/l	96
17) 1,1-Dichloroethane	3.42	63	175631	9.774	ug/l	99
18) 2-Butanone	4.25	43	124039	48.395	ug/l	100
19) Cyclohexane	4.97	56	138705m	10.518	ug/l	
20) Methylcyclohexane	6.39	83	145147	10.932	ug/l	99
21) 2,2-Dichloropropane	4.20	77	154520	10.148	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	102824	10.133	ug/l	99
23) Diethyl Ether	2.09	59	87592	9.012	ug/l	97
24) tert-Butyl Alcohol	2.82	59	97672	81.141	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	295430	9.100	ug/l	99
26) Bromochloromethane	4.52	128	43602	9.772	ug/l	98
27) Chloroform	4.65	83	185160	9.016	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	157676	9.916	ug/l	100
29) 1,1-Dichloropropene	5.11	75	135663	10.344	ug/l	99
30) Carbon Tetrachloride	5.11	117	138067	9.866	ug/l	97
31) Isopropyl Ether	3.56	45	226552	9.975	ug/l	99
32) Ethyl-t-butyl ether	4.05	59	219155	10.037	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	205018	10.441	ug/l	99
34) Propionitrile	4.31	54	34291	46.639	ug/l #	97
35) Benzene	5.36	78	390462	10.305	ug/l	99
36) 1,2-Dichloroethane	5.38	62	123224	9.772	ug/l	100
37) Trichloroethene	6.16	130	101610	10.160	ug/l	99
38) 1,2-Dichloropropane	6.41	63	104928	10.037	ug/l	98
39) Methacrylonitrile	4.52	41	27182	9.314	ug/l	98
40) Methyl acrylate	4.40	55	44011	9.693	ug/l #	97
41) Tetrahydrofuran	4.63	42	27294	18.650	ug/l	97
42) 1-Chlorobutane	5.04	56	182332	10.369	ug/l	100

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Quant Time: Jul 24 04:50:29 2019
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	55045	9.510	ug/l	97
44) Bromodichloromethane	6.74	83	135519	9.711	ug/l	96
45) 4-Methyl-2-Pentanone	7.45	43	292983	49.633	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	51466m	21.603	ug/l	
47) Methyl methacrylate	6.61	69	89844	20.366	ug/l	97
48) Ethyl methacrylate	8.00	69	80165	10.310	ug/l	100
49) Toluene	7.62	92	244632	11.270	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	122536	10.527	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	140274	10.207	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	74166	9.588	ug/l	95
53) 1,3-Dichloropropane	8.22	76	128507	9.831	ug/l	98
54) 2-Hexanone	8.35	43	209200	50.345	ug/l	98
55) Dibromochloromethane	8.46	129	92022	10.184	ug/l	100
56) 1,2-Dibromoethane	8.57	107	69719	9.670	ug/l	99
58) Tetrachloroethene	8.21	164	94074	10.373	ug/l	98
59) Chlorobenzene	9.10	112	267619	10.754	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	97096	10.274	ug/l	98
61) Pentachloroethane	11.09	117	79015	10.188	ug/l	99
62) Hexachloroethane	12.13	117	79216	10.556	ug/l	98
63) Ethyl Benzene	9.23	91	465111	11.639	ug/l	98
64) m/p-Xylenes	9.36	106	381093	23.853	ug/l	99
65) o-Xylene	9.76	106	175243	11.446	ug/l	98
66) Styrene	9.77	104	313410	12.068	ug/l	99
67) Bromoform	9.94	173	51251	10.480	ug/l	98
69) Isopropylbenzene	10.15	105	459500	11.705	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	98667	9.624	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	70457m	8.902	ug/l	
72) Bromobenzene	10.44	156	113355	10.931	ug/l	99
73) n-propylbenzene	10.57	120	137604	12.297	ug/l	95
74) 2-Chlorotoluene	10.64	126	119743	11.722	ug/l	99
75) 1,3,5-Trimethylbenzene	10.76	105	430091	12.203	ug/l	100
76) 4-Chlorotoluene	10.76	126	123554	11.608	ug/l	99
77) tert-Butylbenzene	11.09	119	388949	11.644	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	441917	12.266	ug/l	100
79) sec-Butylbenzene	11.31	105	544397	11.841	ug/l	100
80) Nitrobenzene	12.85	77	14907m	34.983	ug/l	
81) p-Isopropyltoluene	11.46	119	458936	12.278	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	236042	10.709	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	239403	10.979	ug/l	99
84) n-Butylbenzene	11.87	91	455914	11.919	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	220412	10.665	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	15969	9.903	ug/l	95
87) 1,2,4-Trichlorobenzene	13.49	180	136366	11.090	ug/l	99
88) Hexachlorobutadiene	13.68	225	81885	10.797	ug/l	99
89) Naphthalene	13.73	128	246598	8.909	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	136633	11.449	ug/l	97

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

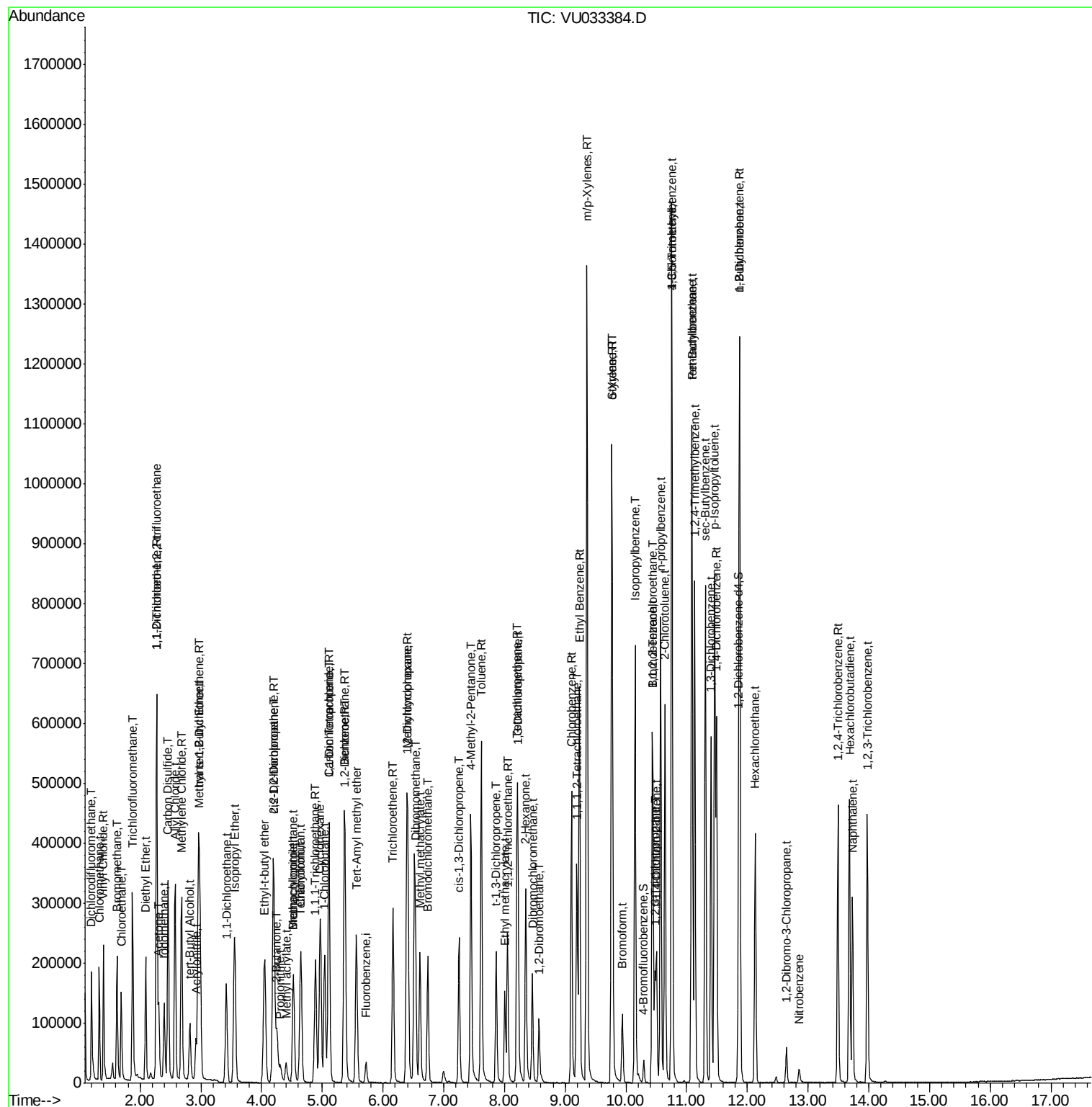
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072319\
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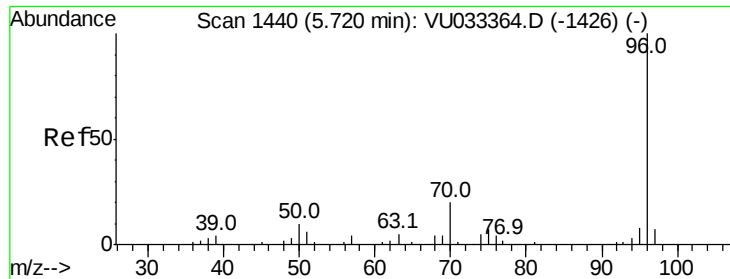
Instrument :
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 31731

Ion Ratio Lower Upper

96 100

70 20.4 16.4 24.6

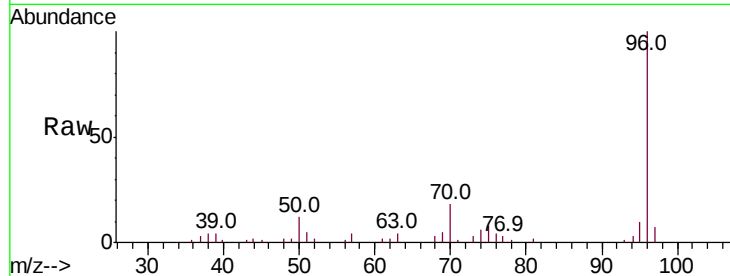
95 9.4 6.7 10.1

97 0.0 0.0 0.0

Manual Integrations
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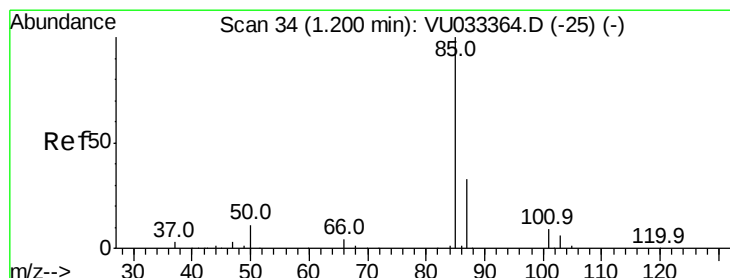
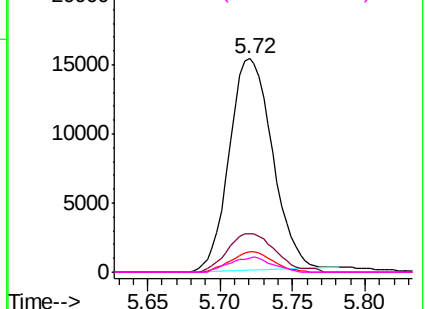
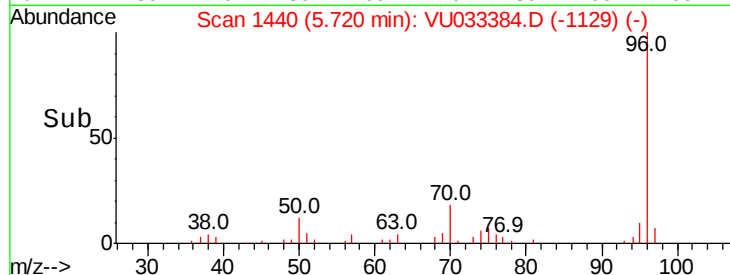


Abundance Ion 96.00 (95.70 to 96.70): VU033384.D (-1426) (-)

Ion 70.00 (69.70 to 70.70): VU033384.D (-1426) (-)

Ion 95.00 (94.70 to 95.70): VU033384.D (-1426) (-)

Ion 97.00 (96.70 to 97.70): VU033384.D (-1426) (-)



#2

Dichlorodifluoromethane

Concen: 9.821 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033384.D

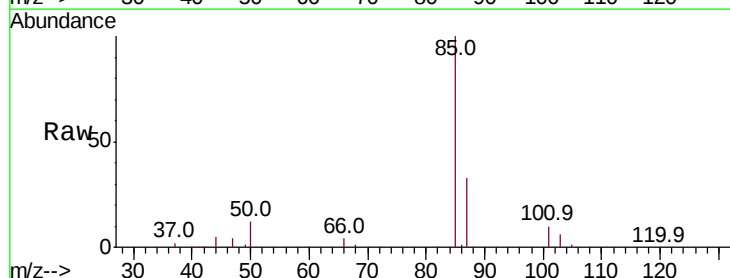
Acq: 23 Jul 2019 16:25

Tgt Ion: 85 Resp: 128890

Ion Ratio Lower Upper

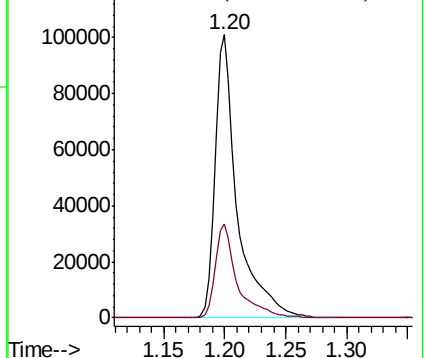
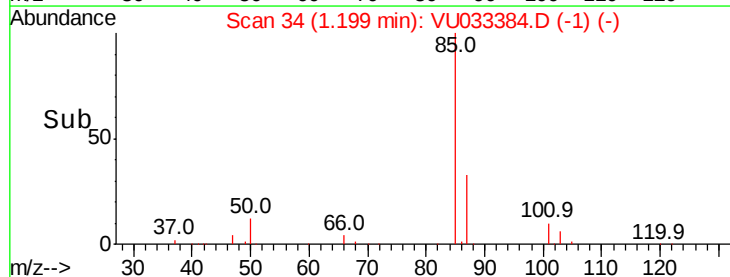
85 100

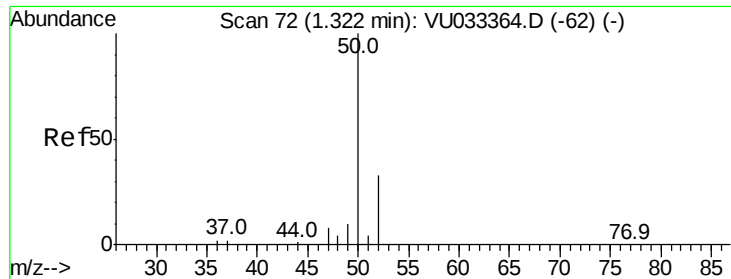
87 33.3 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VU033384.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033384.D (-1) (-)





#3

Chloromethane

Concen: 9.116 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 132040

Ion Ratio Lower Upper

50 100

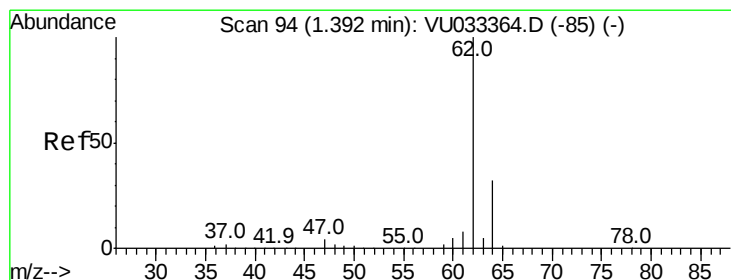
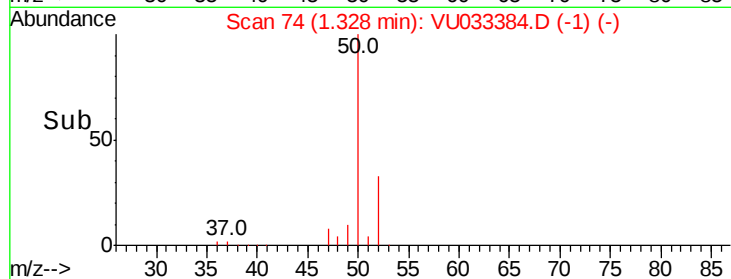
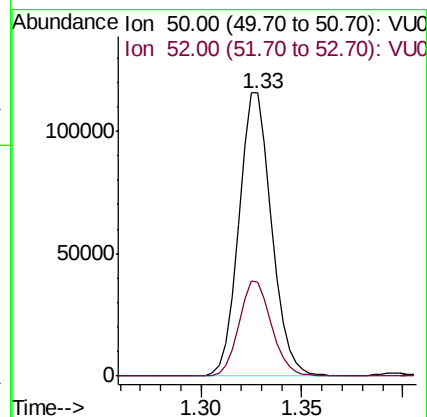
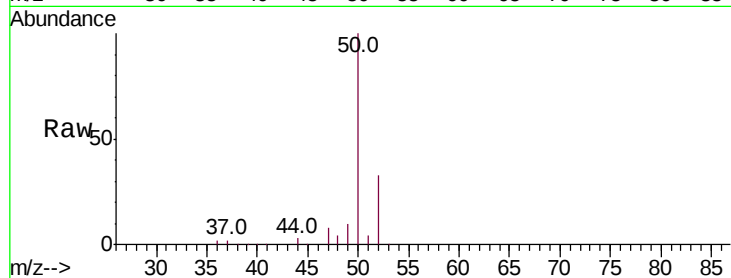
52 33.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.358 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033384.D

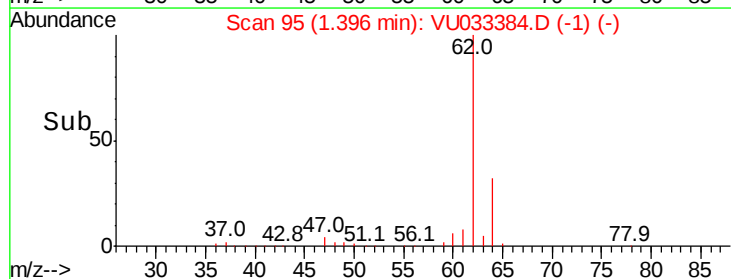
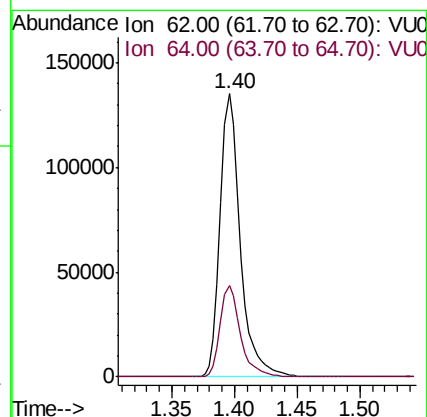
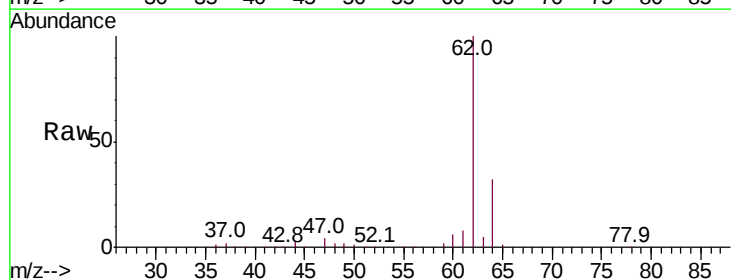
Acq: 23 Jul 2019 16:25

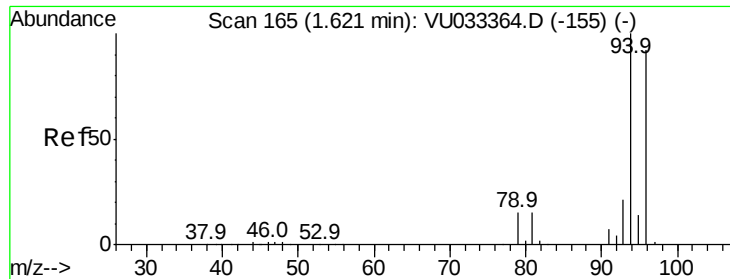
Tgt Ion: 62 Resp: 151242

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 9.877 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 100497

Ion Ratio Lower Upper

94 100

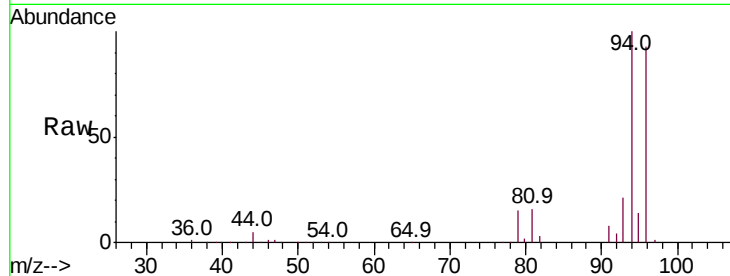
96 93.1 73.2 109.8

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU033384.D (-164) (-)

Ion 96.00 (95.70 to 96.70): VU033384.D (-164) (-)

1.62

80000

60000

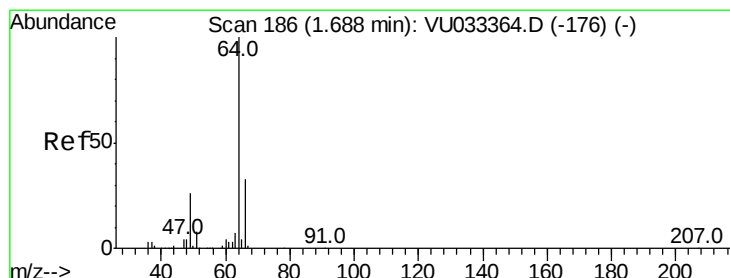
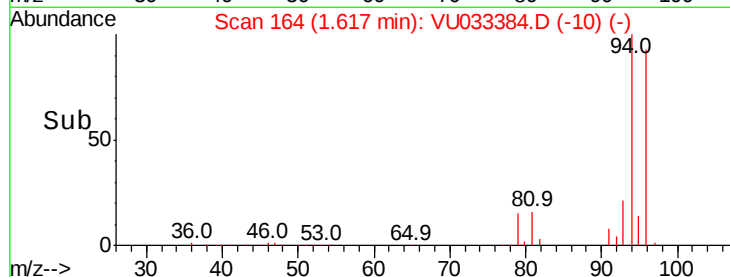
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 8.416 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033384.D

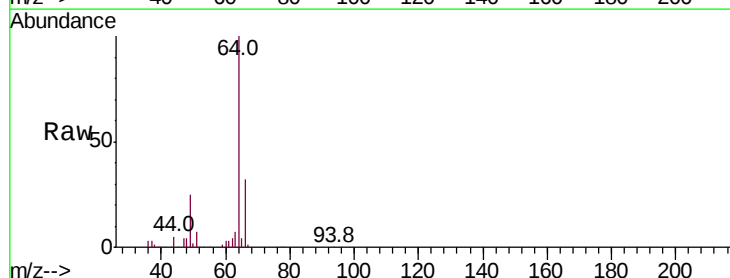
Acq: 23 Jul 2019 16:25

Tgt Ion: 64 Resp: 95528

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033384.D (-186) (-)

Ion 66.00 (65.70 to 66.70): VU033384.D (-186) (-)

1.69

80000

60000

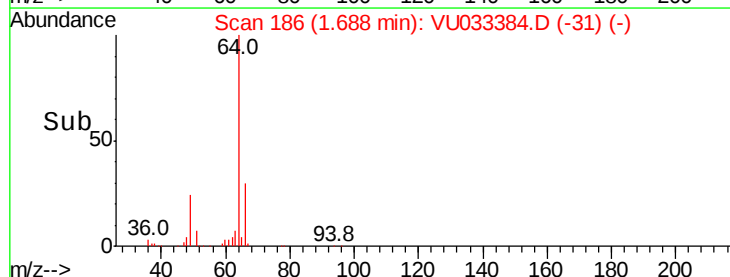
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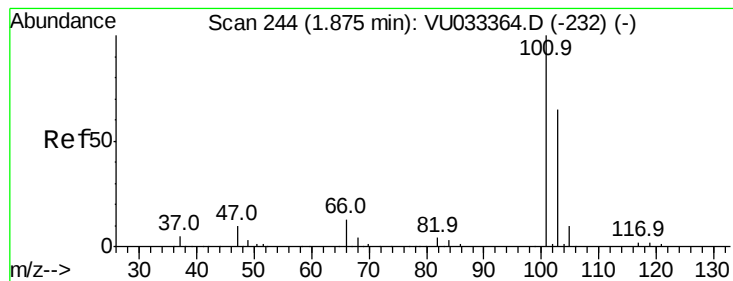
20000

0

1.65 1.70 1.75 1.80

Time-->





#7

Trichlorofluoromethane

Concen: 9.561 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

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Tot Ion:101 Resp: 212179

Ion Ratio Lower Upper

101 100

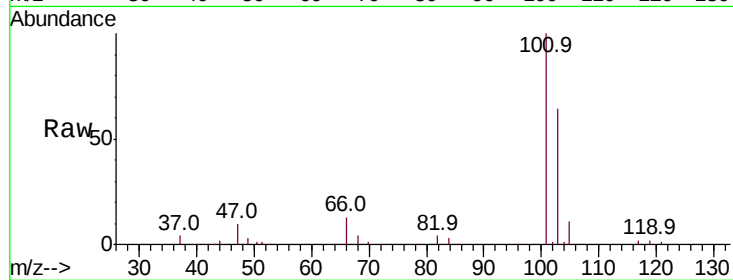
103 64.3 52.2 78.2

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.87

150000

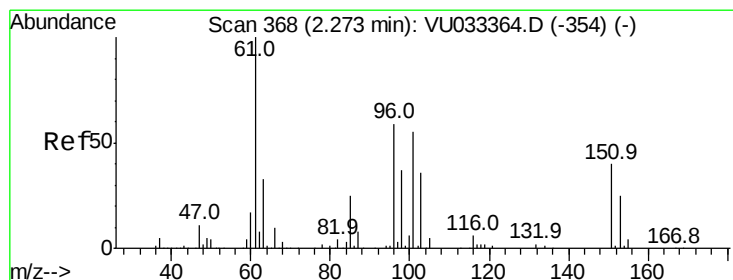
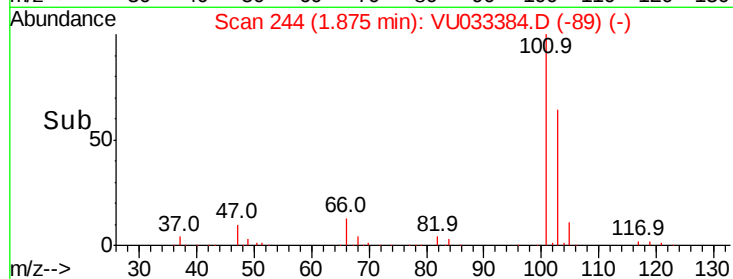
100000

50000

0

Time-->

1.80 1.90 2.00



#8

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

Concen: 9.741 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

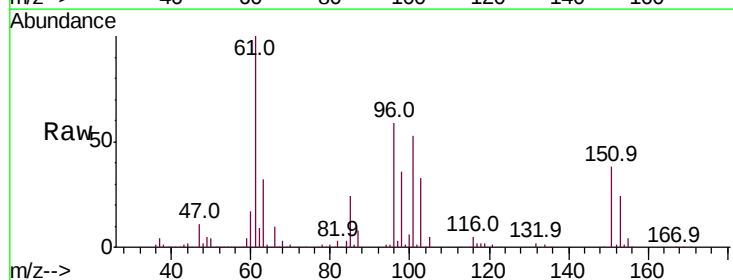
Tgt Ion:101 Resp: 111521

Ion Ratio Lower Upper

101 100

85 45.8 37.5 56.3

151 71.9 58.3 87.5



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

2.27

80000

60000

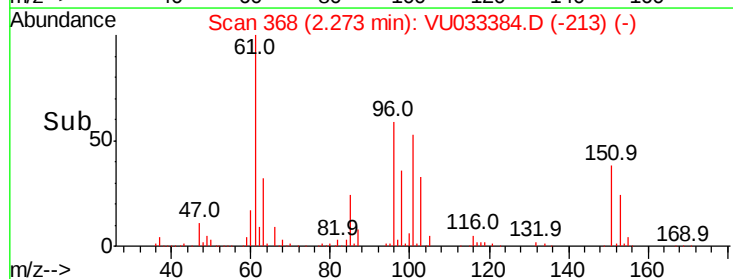
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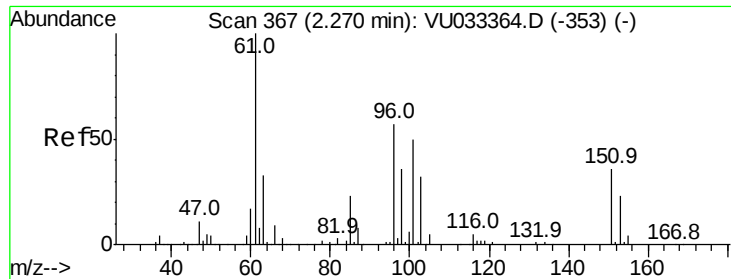
20000

0

Time-->

2.20 2.25 2.30 2.35





#9

1,1-Dichloroethene

Concen: 9.691 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

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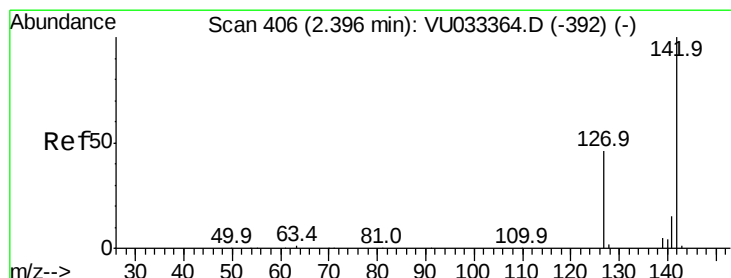
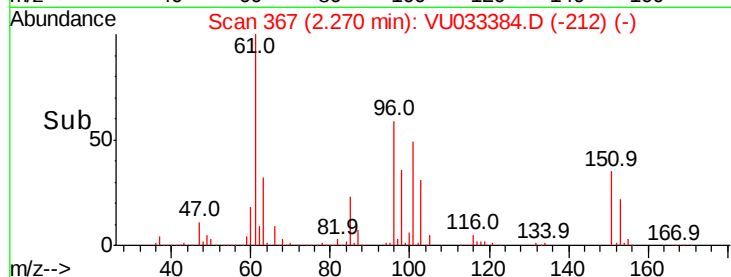
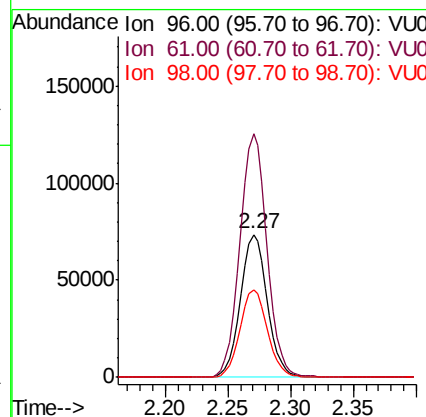
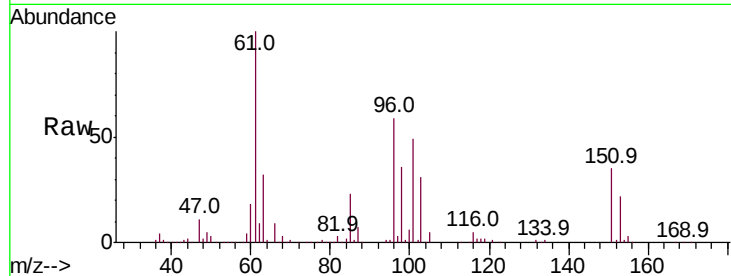
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	109269
Ion	Ratio	Lower	Upper
96	100		
61	170.7	0.0	525.6
98	61.6	0.0	126.4

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#10

Iodomethane

Concen: 7.872 ug/l

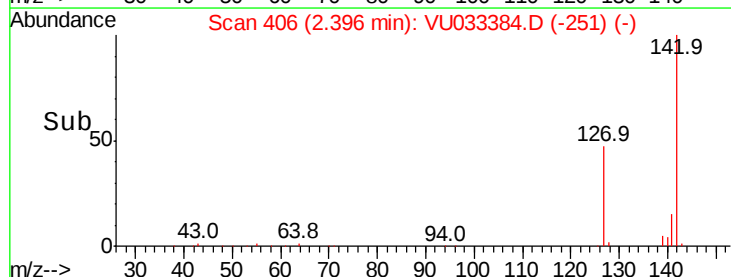
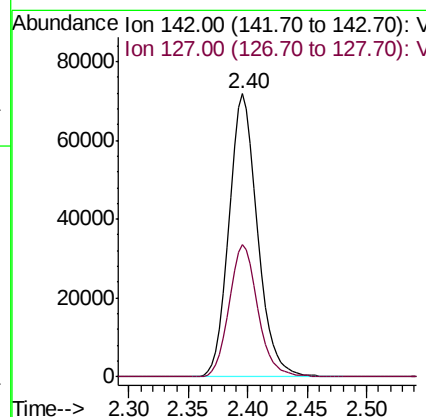
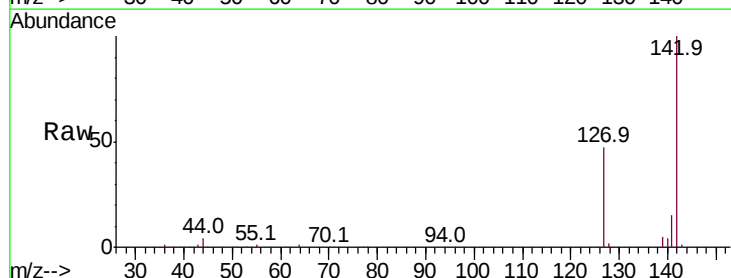
RT: 2.40 min Scan# 406

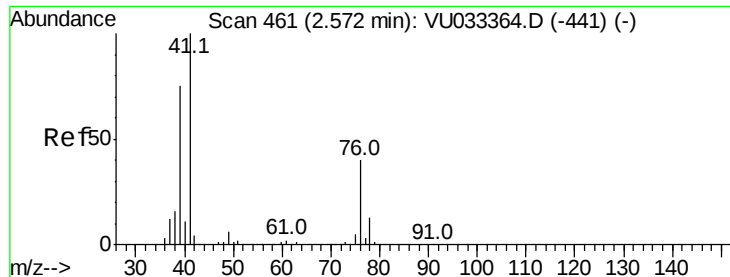
Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Tgt Ion:	142	Resp:	119285
Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.8	56.6





#11

Allvl Chloride

Concen: 9.478 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 176362

Ion Ratio Lower Upper

41 100

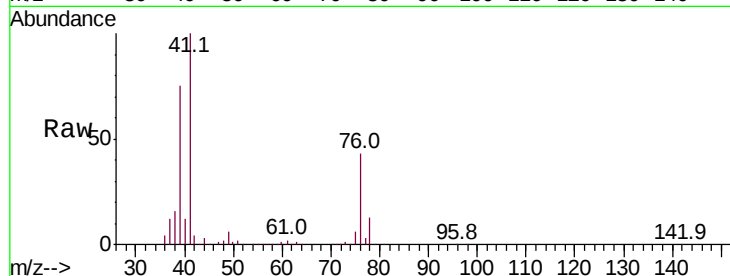
39 74.1 58.7 88.1

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Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

120000

100000

80000

60000

40000

20000

0

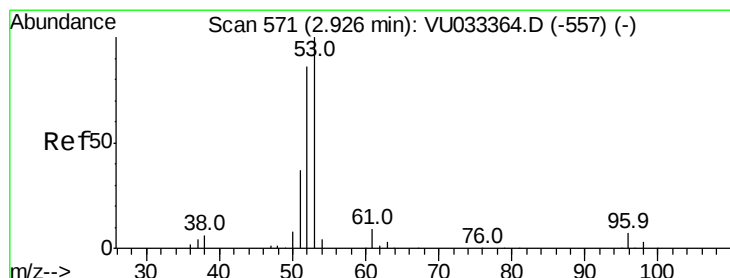
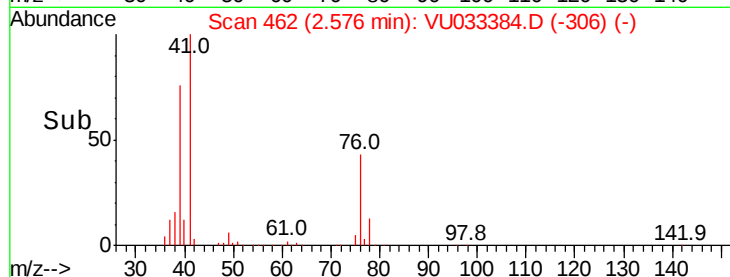
2.50

2.55

2.60

2.65

Time-->



#12

Acrylonitrile

Concen: 16.756 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.01 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

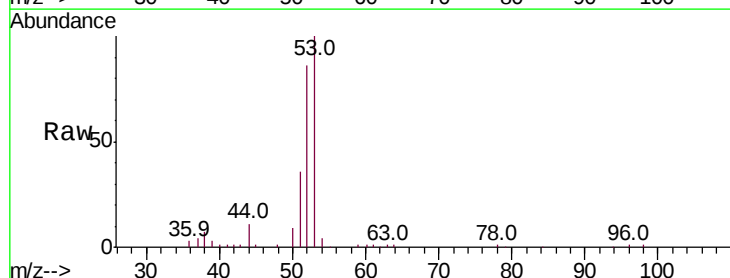
Tgt Ion: 53 Resp: 52738

Ion Ratio Lower Upper

53 100

52 86.7 69.8 104.8

51 37.4 29.1 43.7



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

30000

20000

10000

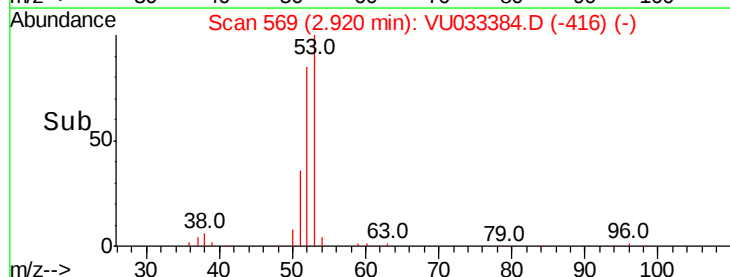
0

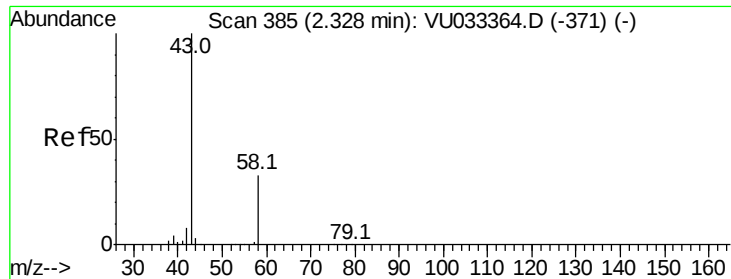
2.85

2.90

2.95

Time-->





#13

Acetone

Concen: 44.973 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 120765

Ion Ratio Lower Upper

43 100

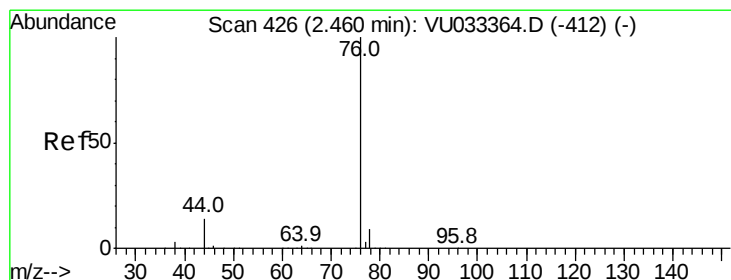
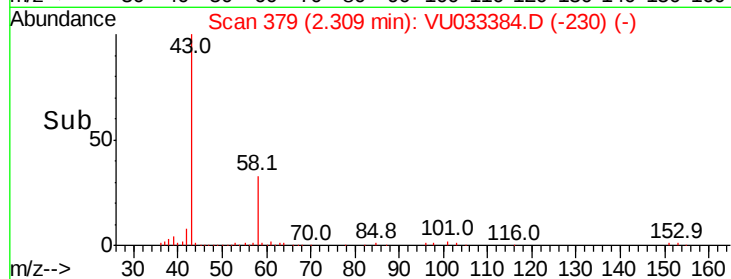
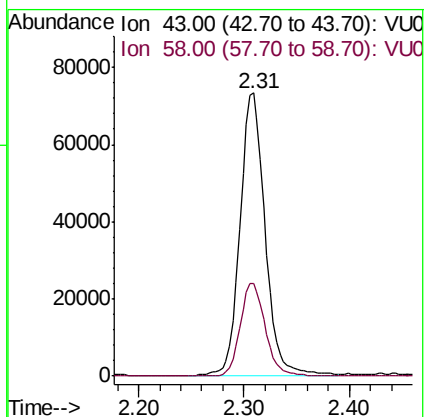
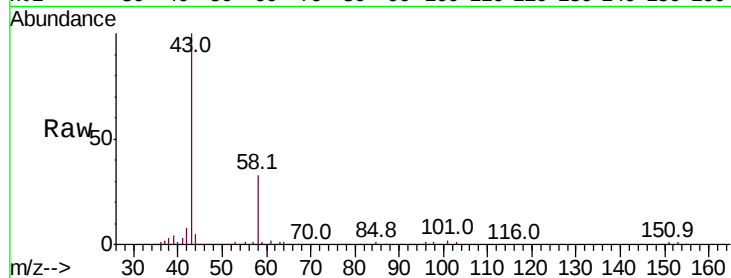
58 32.9 26.3 39.5

Manual Integrations

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#14

Carbon Disulfide

Concen: 9.384 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033384.D

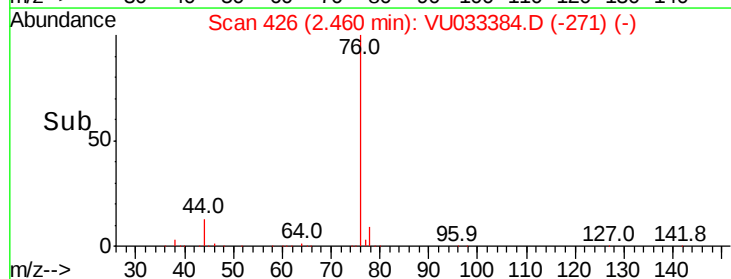
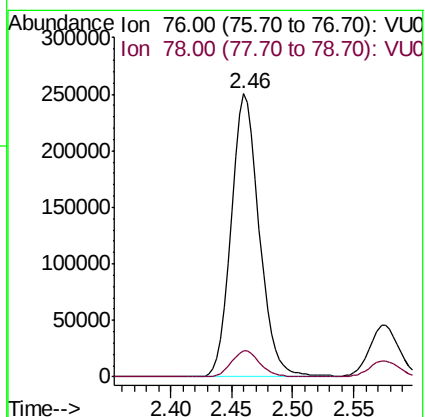
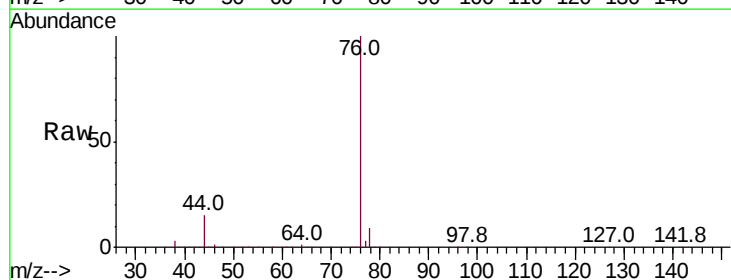
Acq: 23 Jul 2019 16:25

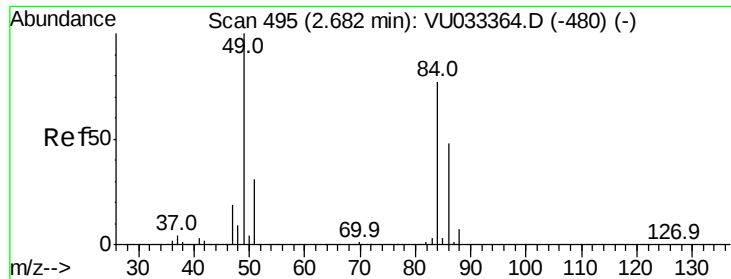
Tgt Ion: 76 Resp: 402026

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





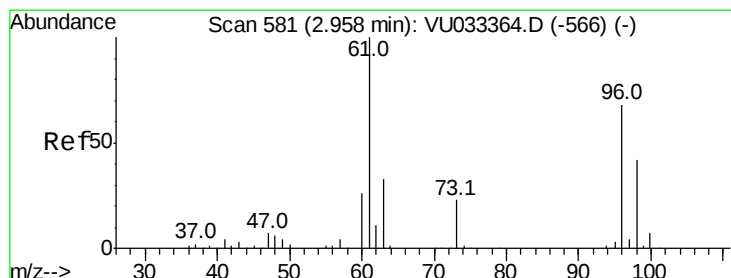
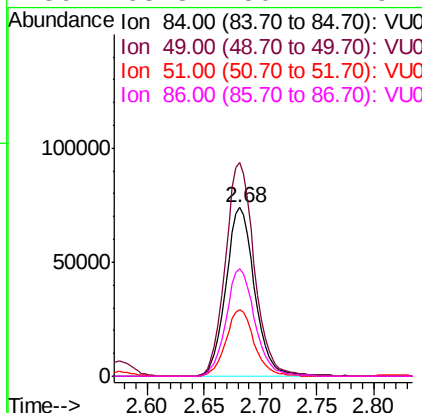
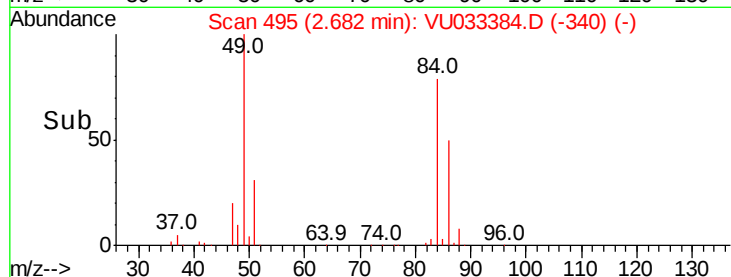
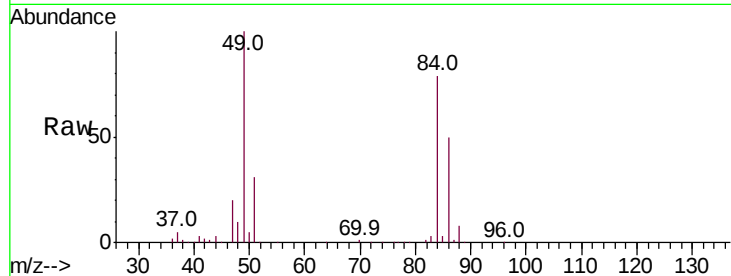
#15
Methvlene Chloride
Concen: 8.639 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	84	Resp	131363
Ion Ratio	Lower	Upper	
84	100		
49	126.5	103.5	155.3
51	39.5	0.0	80.4
86	63.8	50.1	75.1

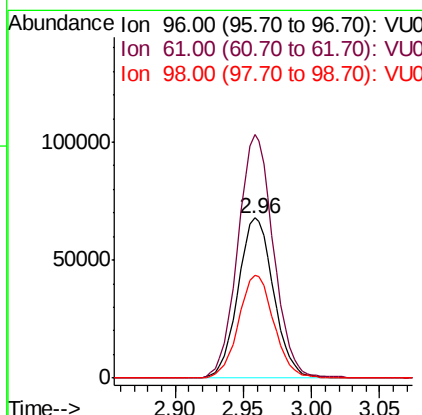
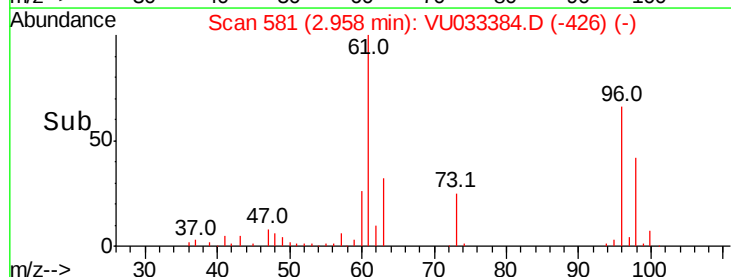
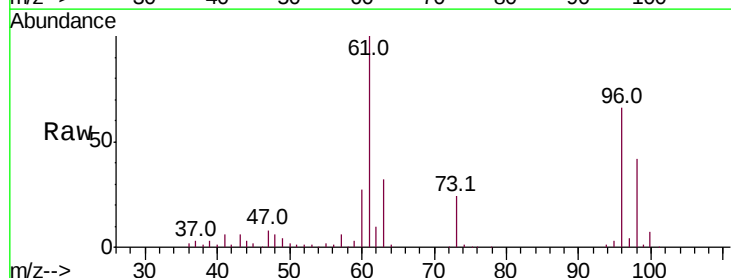
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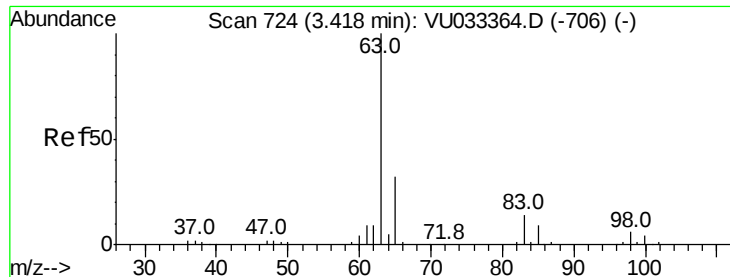
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#16
trans-1,2-Dichloroethene
Concen: 9.181 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	96	Resp	122929
Ion Ratio	Lower	Upper	
96	100		
61	152.0	118.0	177.0
98	64.5	49.4	74.2





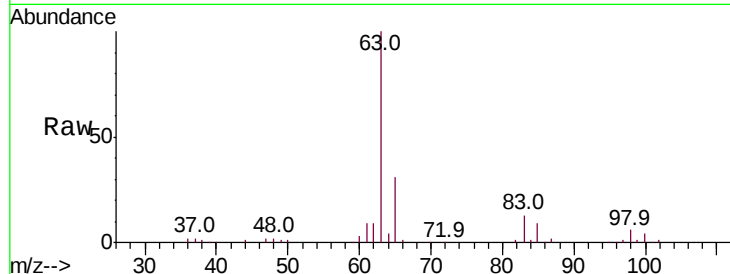
#17
 1,1-Dichloroethane
 Concen: 9.774 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

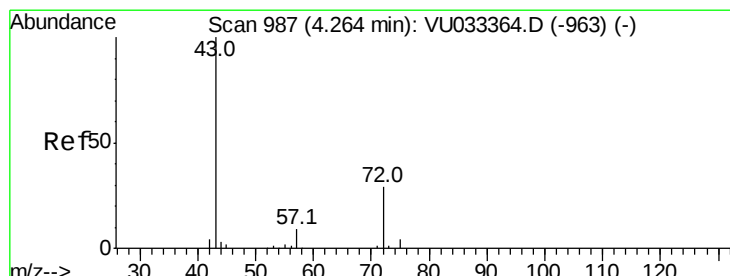
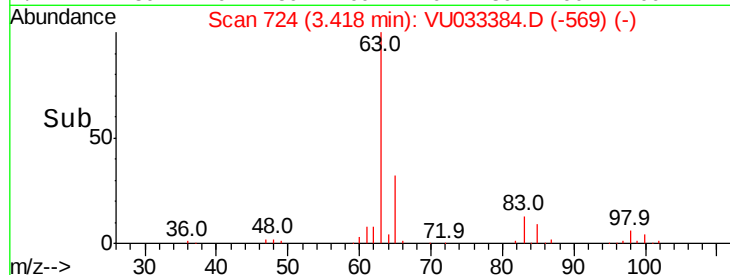
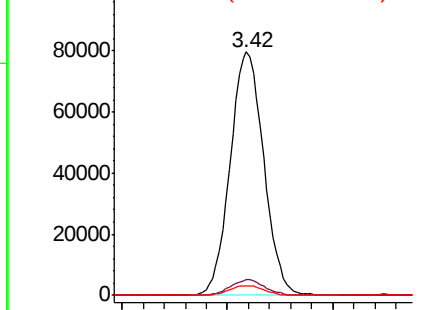
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.2	9.6
100	3.8	2.1	6.2

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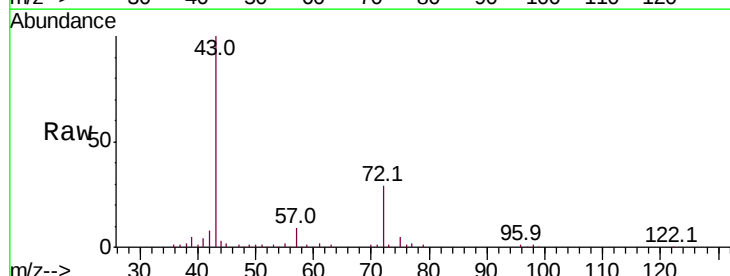


Abundance Ion 63.00 (62.70 to 63.70): VU033384.D (-706) (-)
 Ion 98.00 (97.70 to 98.70): VU033384.D (-706) (-)
 Ion 100.00 (99.70 to 100.70): VU033384.D (-706) (-)

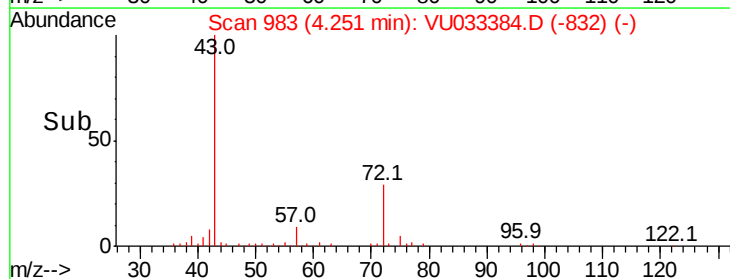
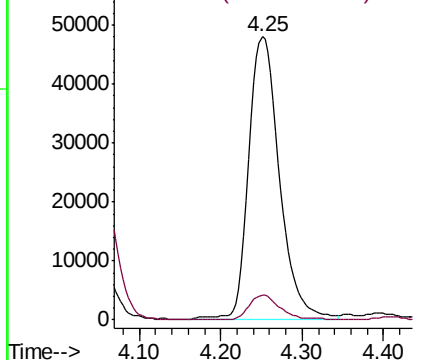


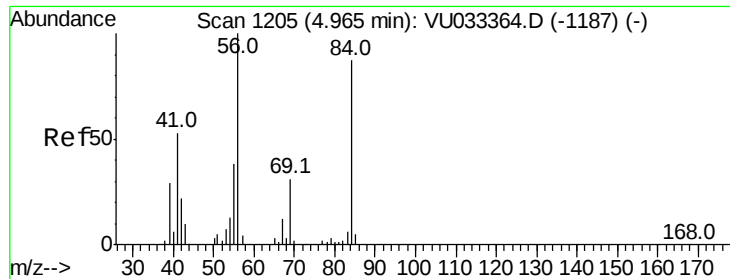
#18
 2-Butanone
 Concen: 48.395 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	0.0	17.0



Abundance Ion 43.00 (42.70 to 43.70): VU033384.D (-832) (-)
 Ion 57.00 (56.70 to 57.70): VU033384.D (-832) (-)





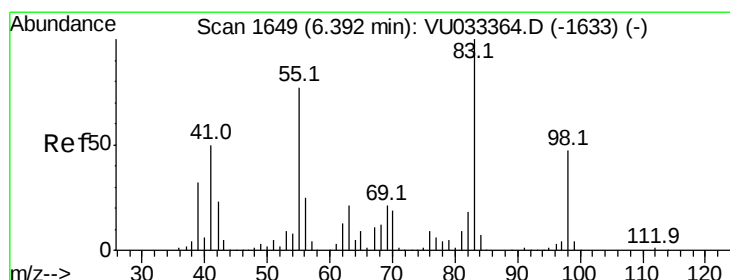
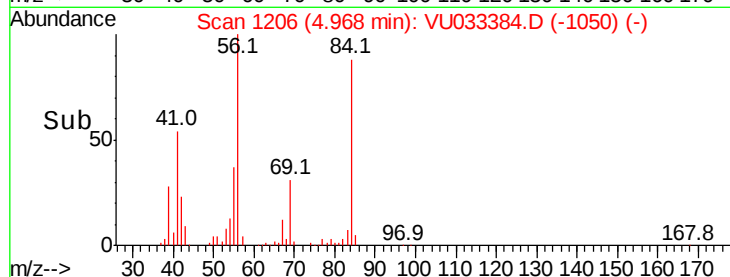
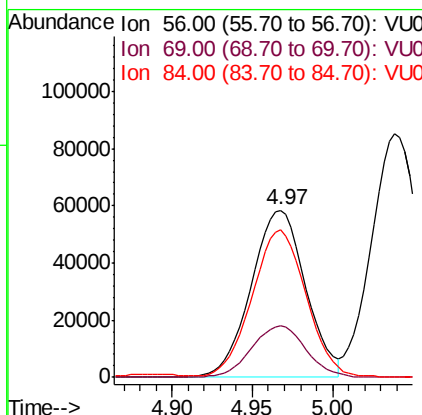
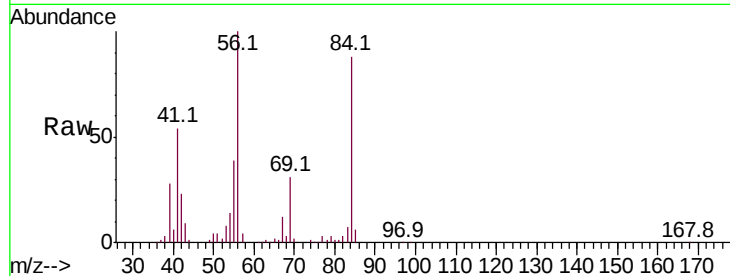
#19
Cyclohexane
Concen: 10.518 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.4
84	86.1	69.8	104.6

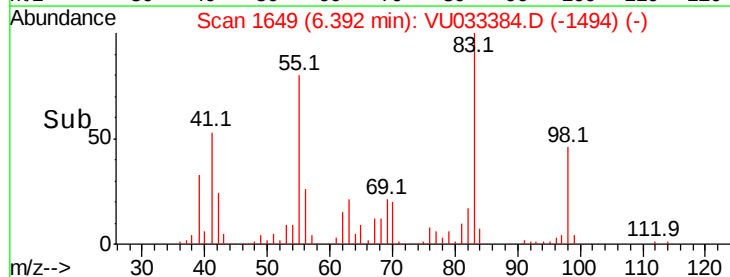
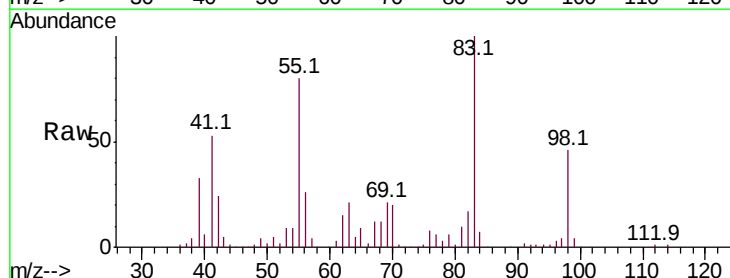
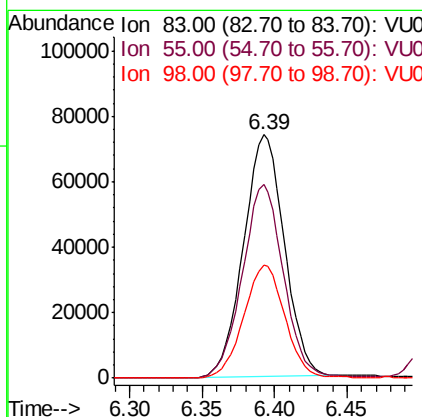
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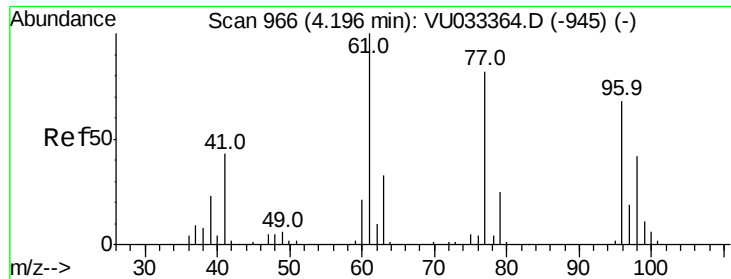
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#20
Methylcyclohexane
Concen: 10.932 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	62.3	93.5
98	46.7	37.4	56.0





#21

2,2-Dichloropropane

Concen: 10.148 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 77 Resp: 154520

Ion Ratio Lower Upper

77 100

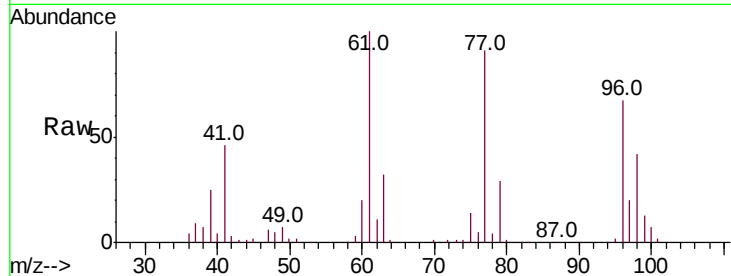
97 21.8 17.8 26.8

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Abundance Ion 77.00 (76.70 to 77.70): VU033384.D (-945) (-)

Ion 97.00 (96.70 to 97.70): VU033384.D (-945) (-)

4.20

60000

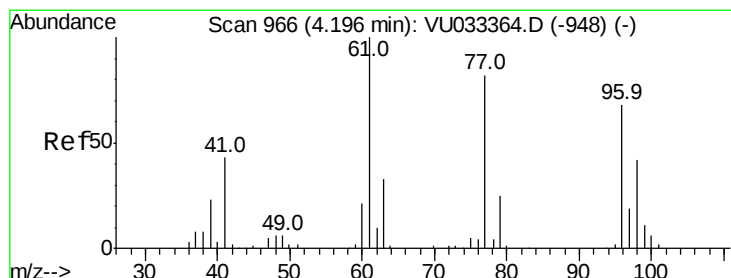
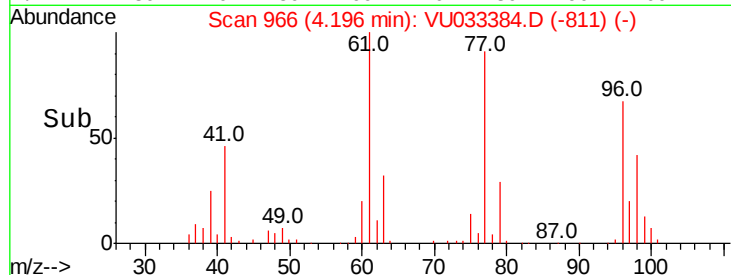
40000

20000

0

4.10 4.20 4.30

Time-->



#22

cis-1,2-Dichloroethene

Concen: 10.133 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

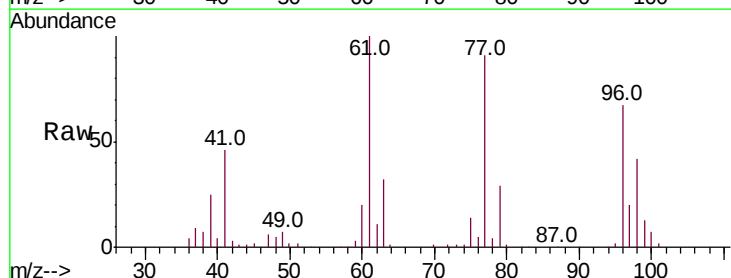
Tgt Ion: 96 Resp: 102824

Ion Ratio Lower Upper

96 100

61 151.7 0.0 376.3

98 62.3 31.9 95.9



Abundance Ion 96.00 (95.70 to 96.70): VU033384.D (-811) (-)

Ion 61.00 (60.70 to 61.70): VU033384.D (-811) (-)

Ion 98.00 (97.70 to 98.70): VU033384.D (-811) (-)

80000

60000

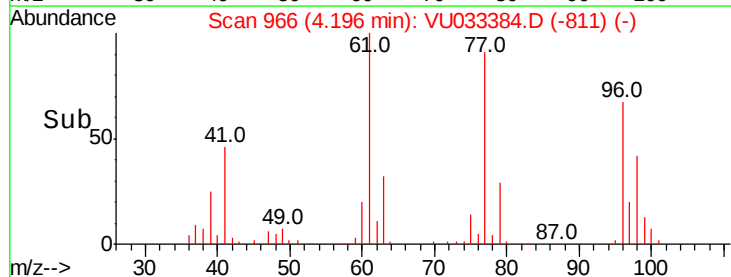
40000

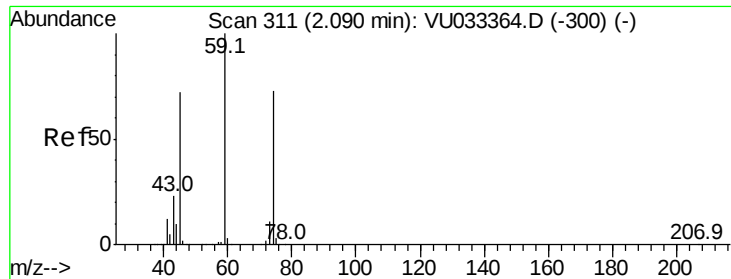
20000

0

4.10 4.20 4.30

Time-->





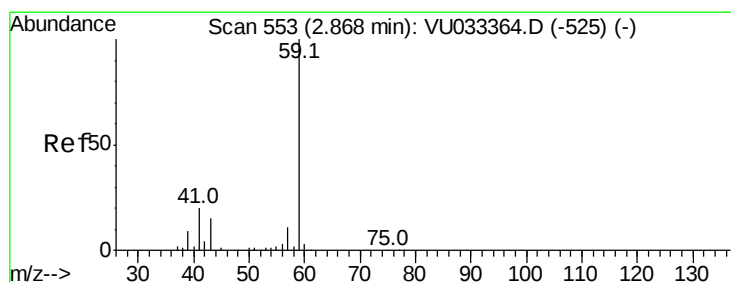
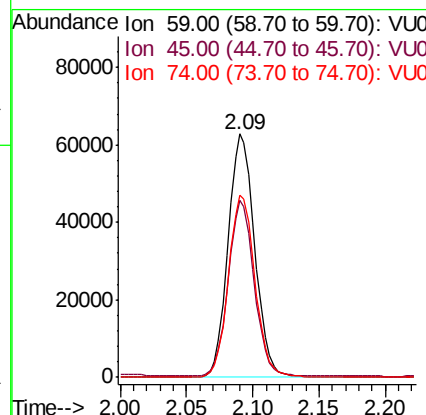
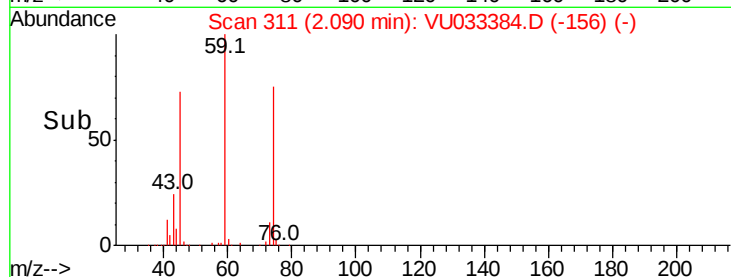
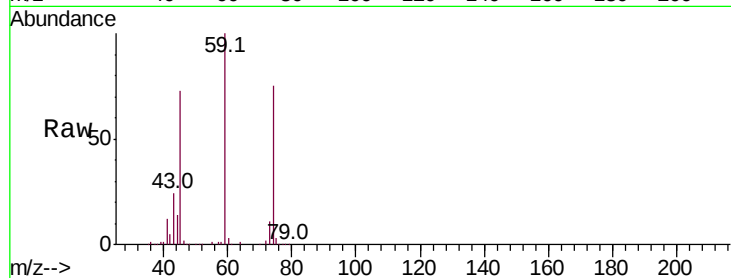
#23
Diethyl Ether
Concen: 9.012 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
45	70.2	57.6	86.4	
74	74.8	57.8	86.6	

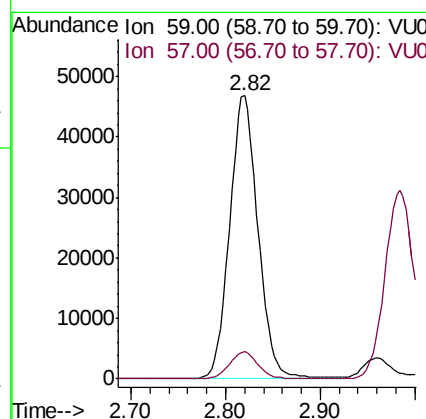
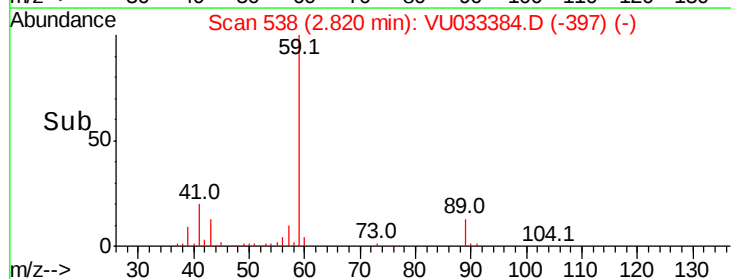
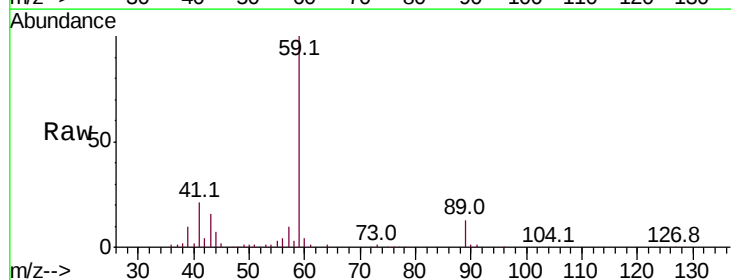
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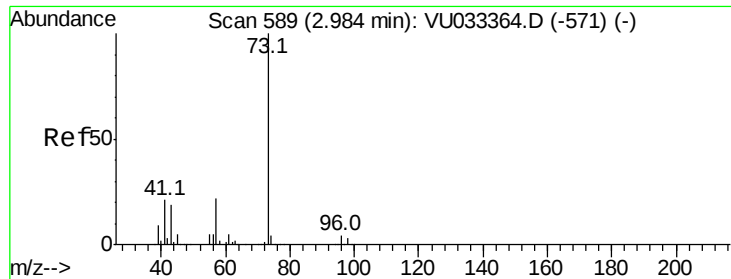
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 81.141 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	59	Ratio	Lower	Upper
59	100			
57	9.5	7.8	11.8	





#25

Methyl tert-Butyl Ether

Concen: 9.100 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Tot Ion: 73 Resp: 295430

Ion Ratio Lower Upper

73 100

43 20.0 16.6 24.8

Instrument :

MSVOA_U

ClientSampleId :

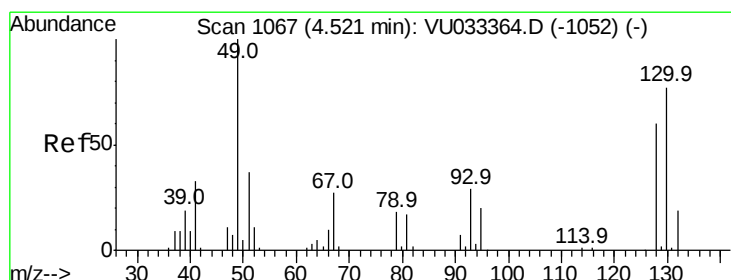
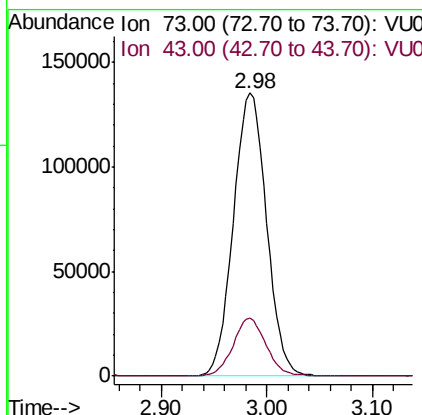
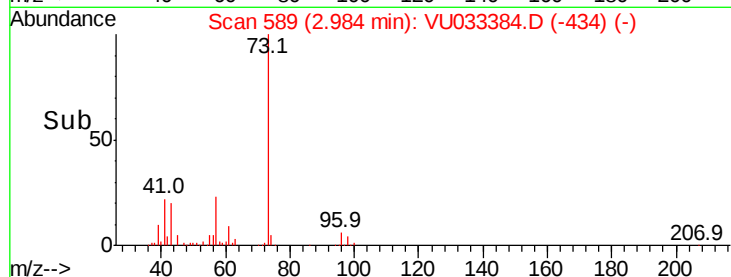
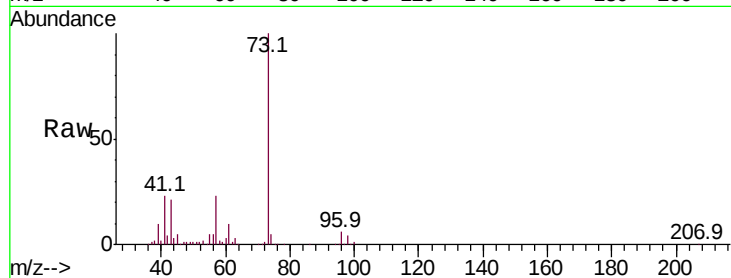
VSTDCCC010EC

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#26

Bromochloromethane

Concen: 9.772 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

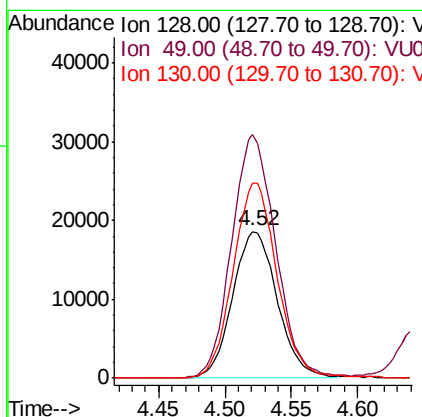
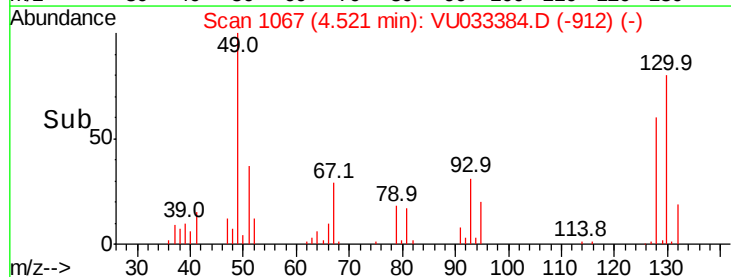
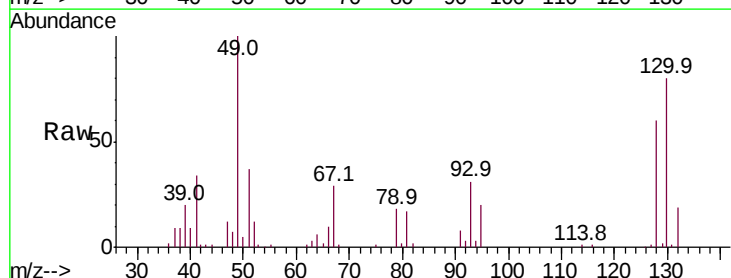
Tgt Ion: 128 Resp: 43602

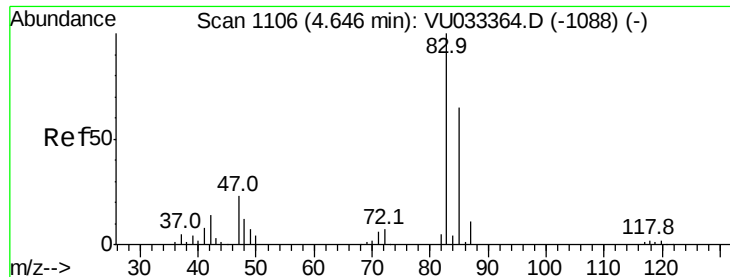
Ion Ratio Lower Upper

128 100

49 163.7 0.0 333.4

130 131.3 103.4 155.2





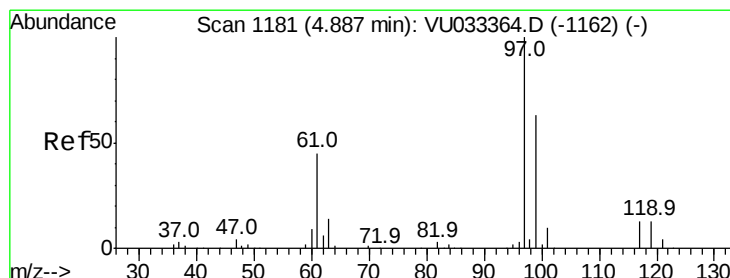
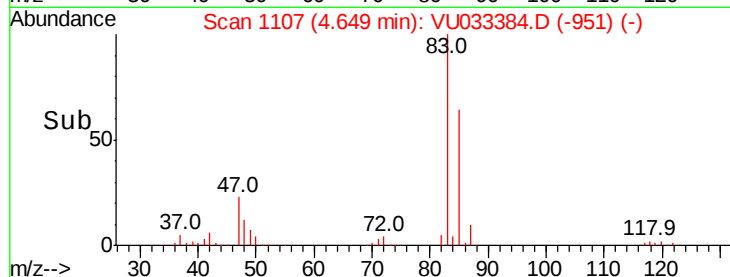
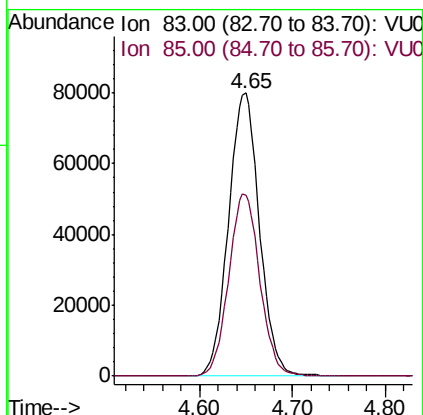
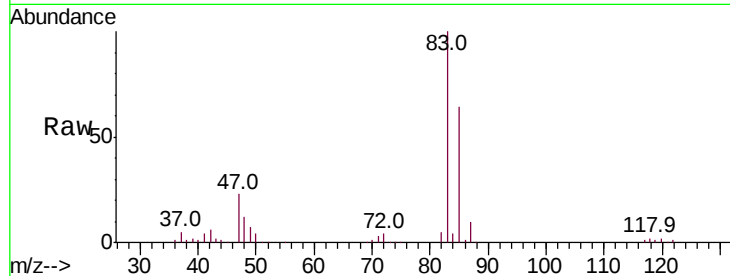
#27
Chloroform
Concen: 9.016 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 185160
Ion Ratio Lower Upper
83 100
85 63.9 0.0 129.8

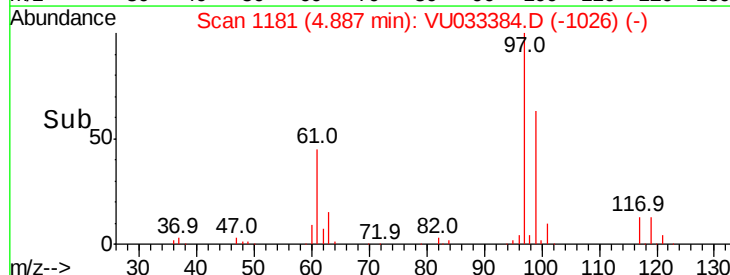
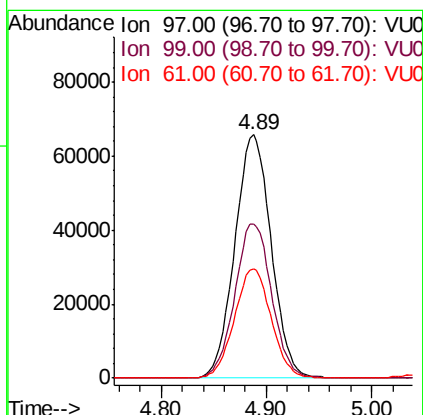
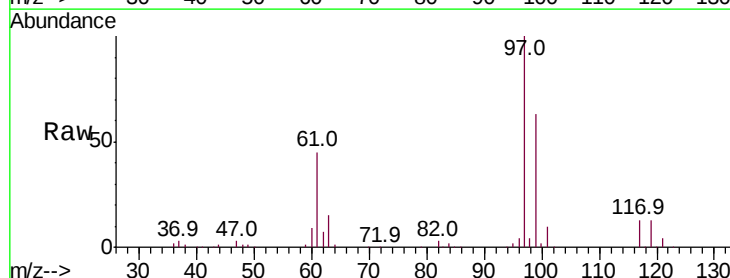
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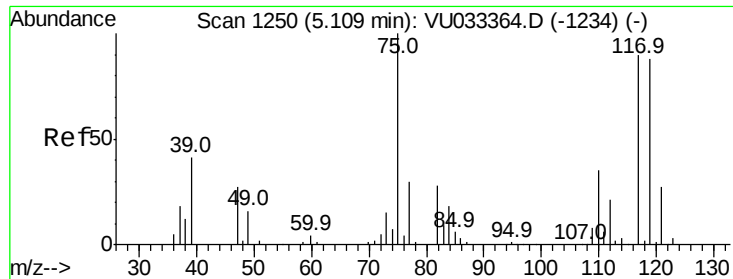
MMDadoda
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#28
1,1,1-Trichloroethane
Concen: 9.916 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion: 97 Resp: 157676
Ion Ratio Lower Upper
97 100
99 64.2 31.9 95.5
61 45.5 22.7 68.0





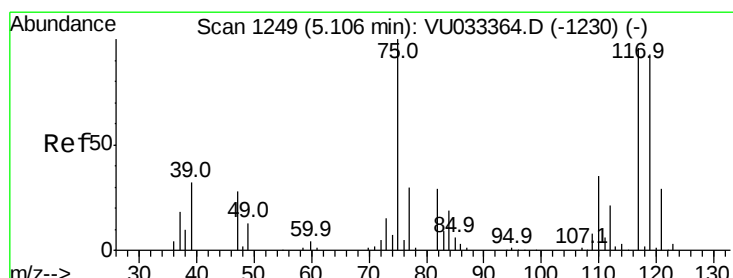
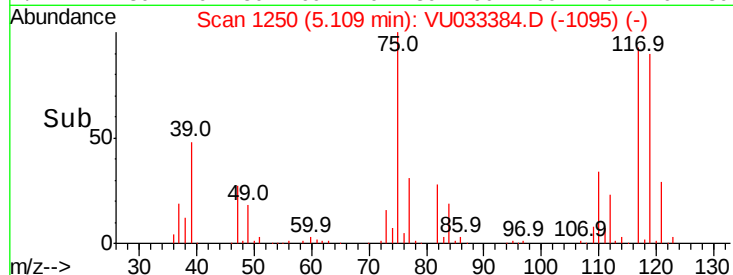
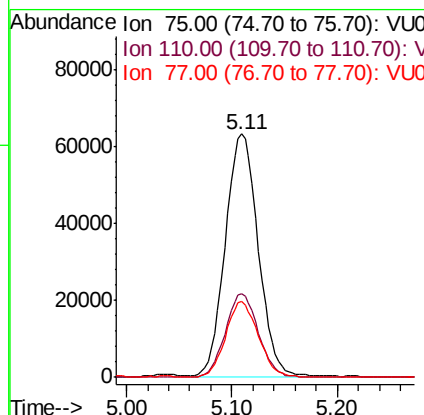
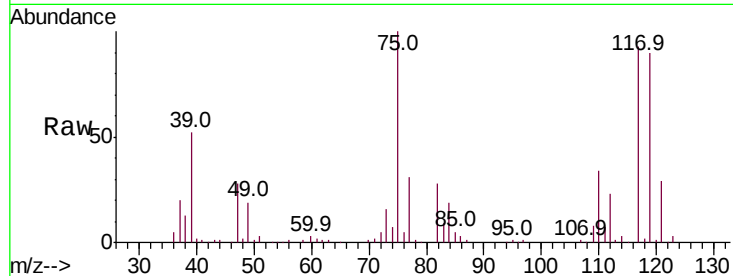
#29
 1,1-Dichloropropene
 Concen: 10.344 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.5	52.6
77	30.6	25.1	37.7

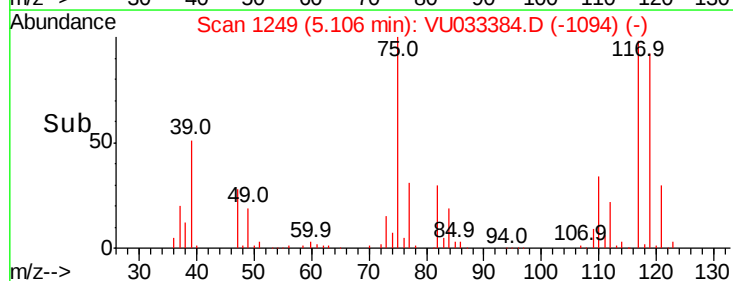
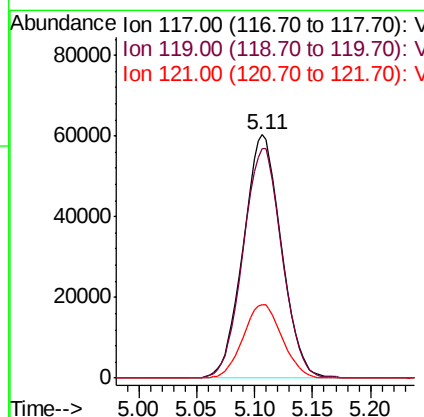
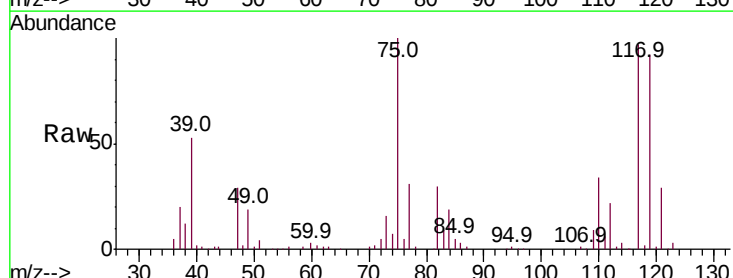
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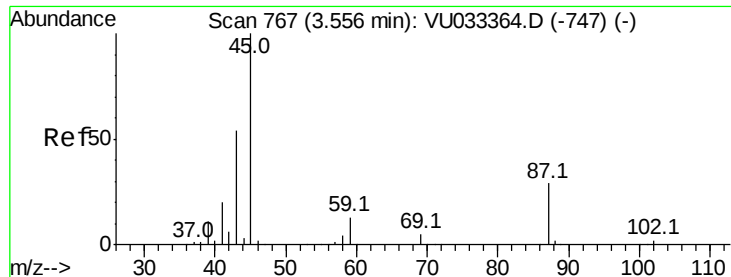
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 9.866 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.9	116.9
121	30.3	24.0	36.0





#31

Isopropyl Ether

Concen: 9.975 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 22652

Ion Ratio Lower Upper

45 100

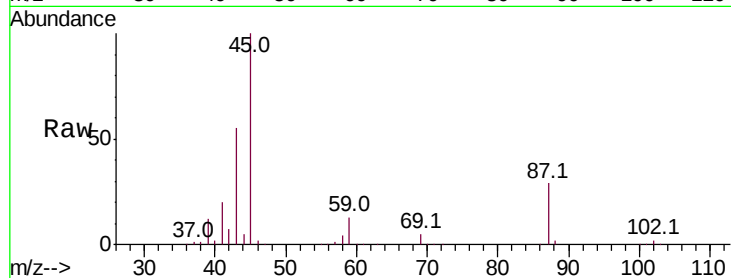
43 56.1 27.8 83.3

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Abundance Ion 45.00 (44.70 to 45.70): VU033384.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033384.D (-747) (-)

3.56

100000

80000

60000

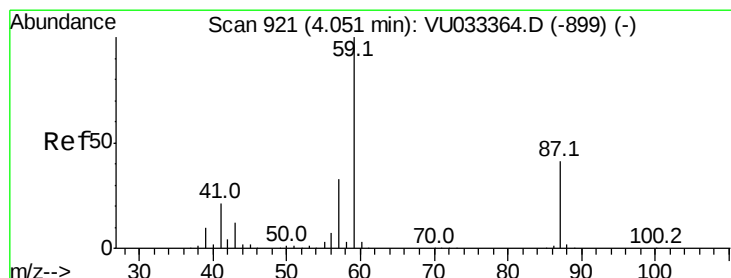
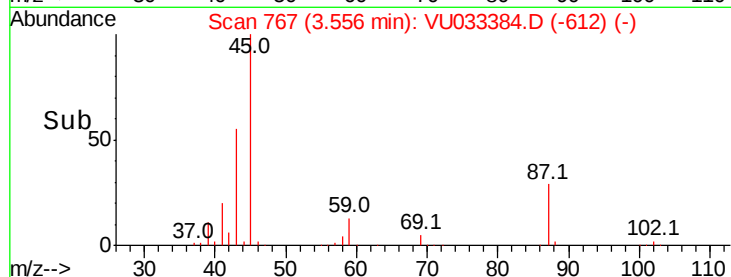
40000

20000

0

3.50 3.60 3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 10.037 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033384.D

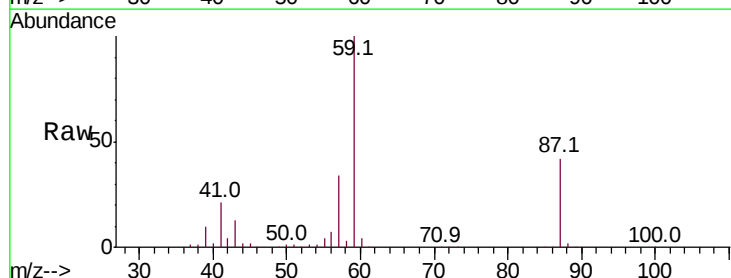
Acq: 23 Jul 2019 16:25

Tgt Ion: 59 Resp: 219155

Ion Ratio Lower Upper

59 100

87 42.3 33.8 50.6



Abundance Ion 59.00 (58.70 to 59.70): VU033384.D (-766) (-)

Ion 87.00 (86.70 to 87.70): VU033384.D (-766) (-)

4.05

80000

60000

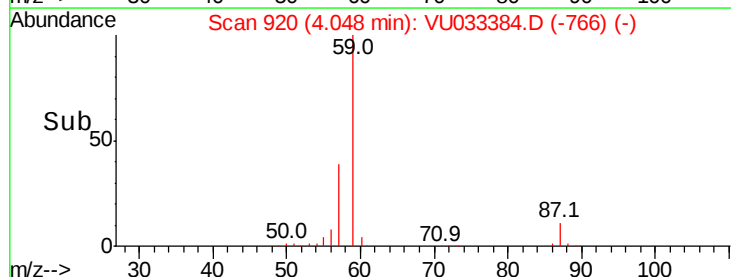
40000

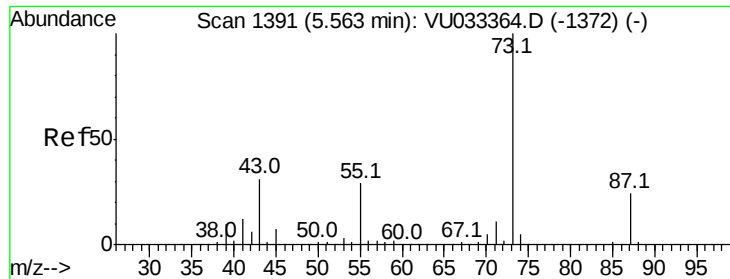
20000

0

4.00 4.10

Time-->





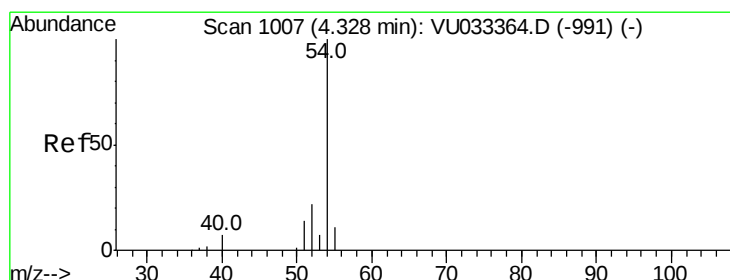
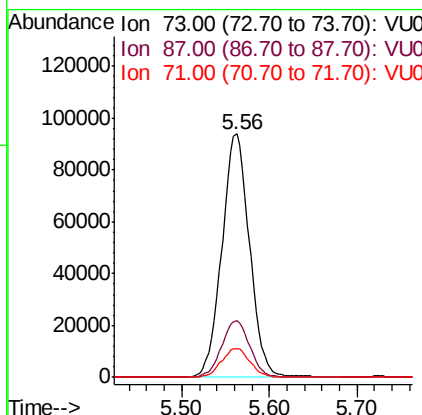
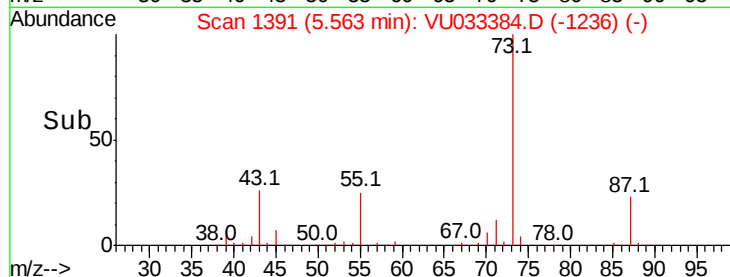
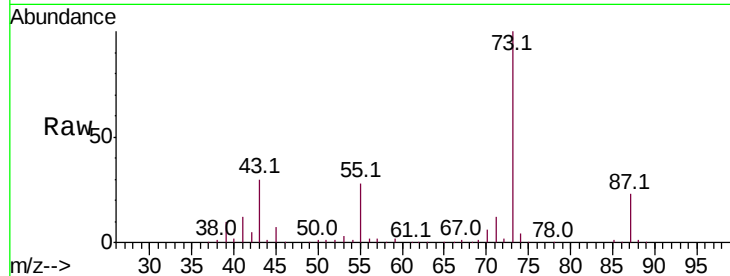
#33
Tert-Amvl methvl ether
Concen: 10.441 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.6	18.9	28.3
71	12.2	9.3	13.9

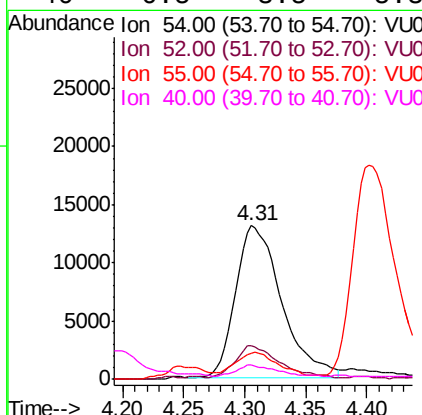
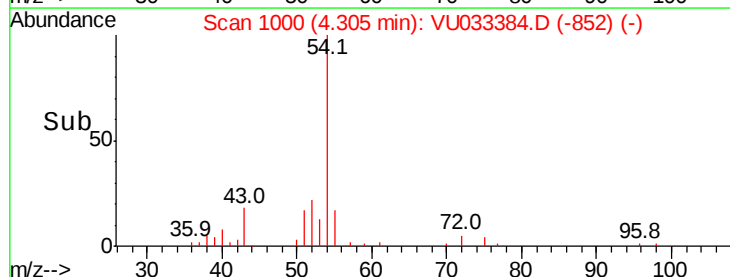
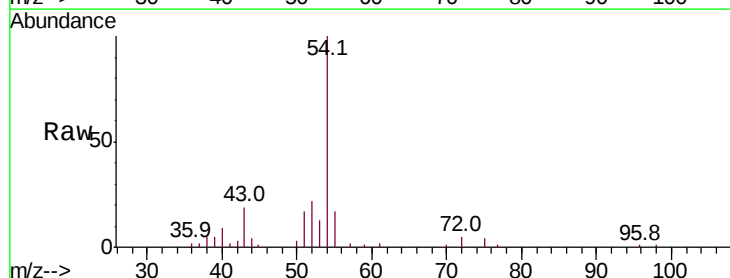
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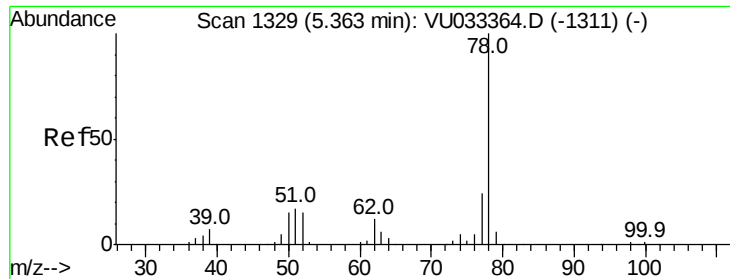
MMDadoda
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#34
Propionitrile
Concen: 46.639 ug/l
RT: 4.31 min Scan# 1000
Delta R.T. -0.02 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.1	17.1	25.7
55	14.0	11.6	17.4
40	6.5	3.5	5.3





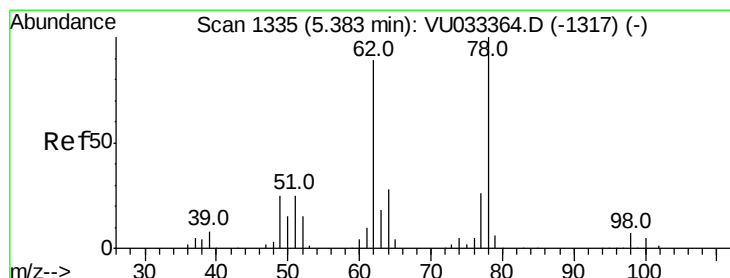
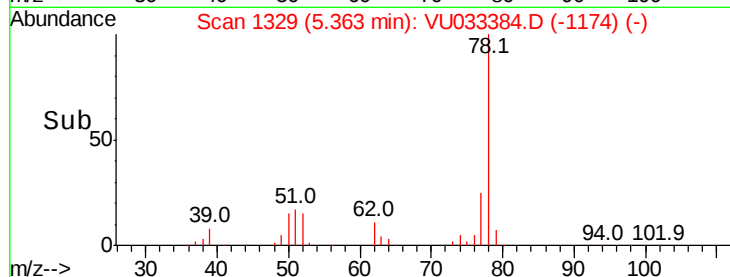
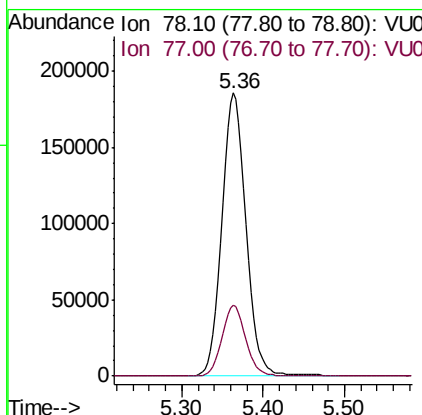
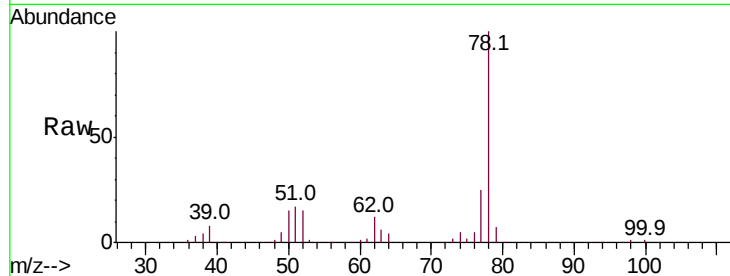
#35
Benzene
Concen: 10.305 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.4	29.2

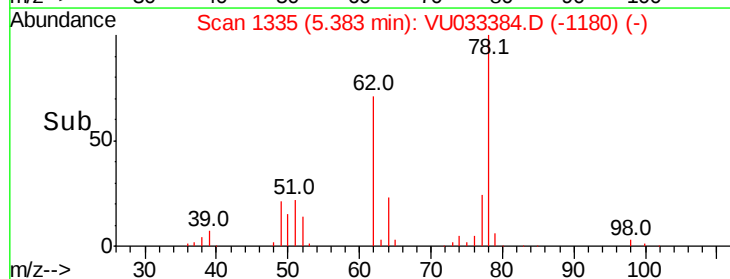
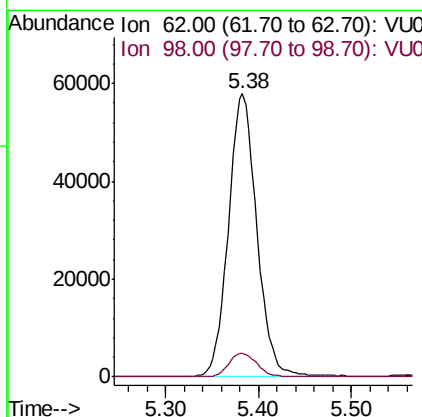
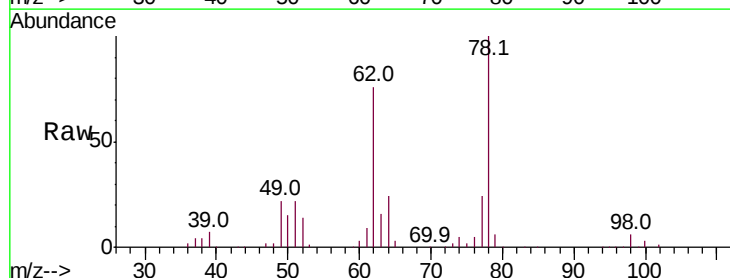
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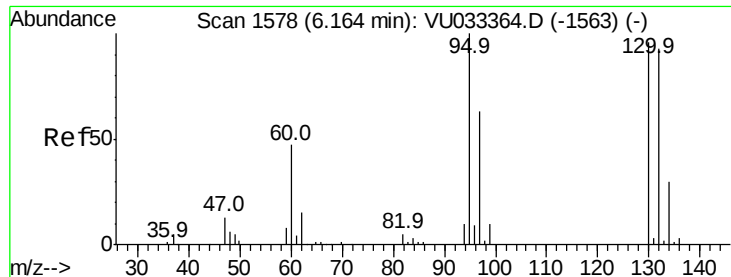
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#36
1,2-Dichloroethane
Concen: 9.772 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.5	9.7





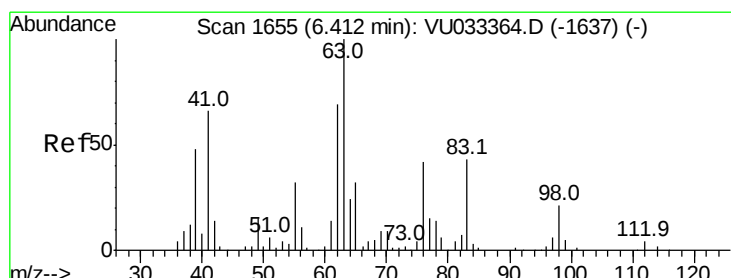
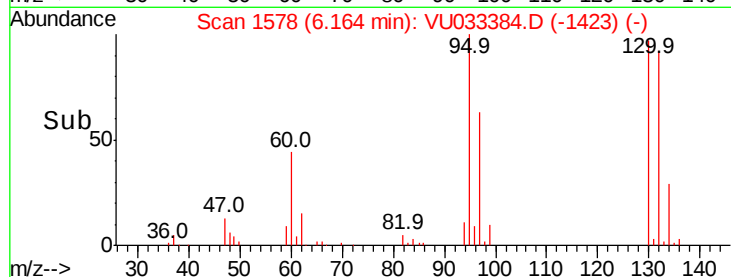
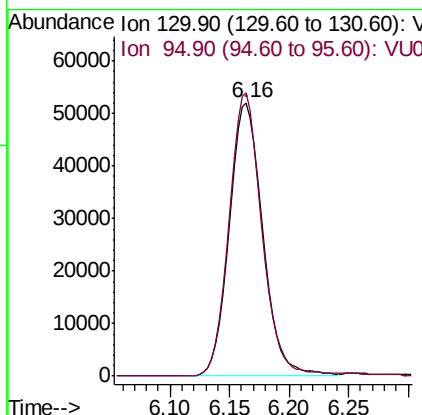
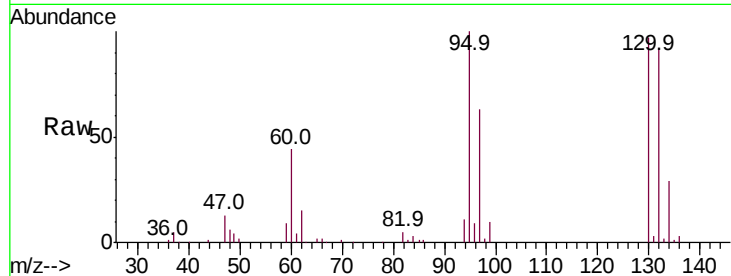
#37
 Trichloroethene
 Concen: 10.160 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:130 Resp: 101610
 Ion Ratio Lower Upper
 130 100
 95 103.6 83.4 125.0

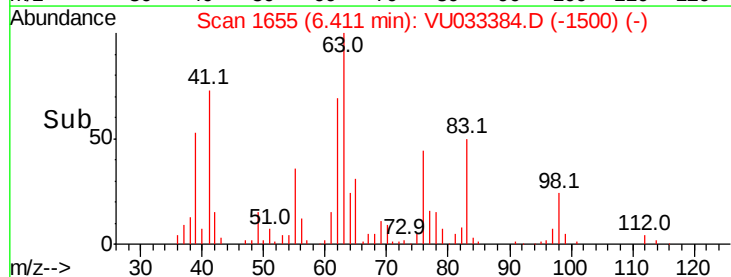
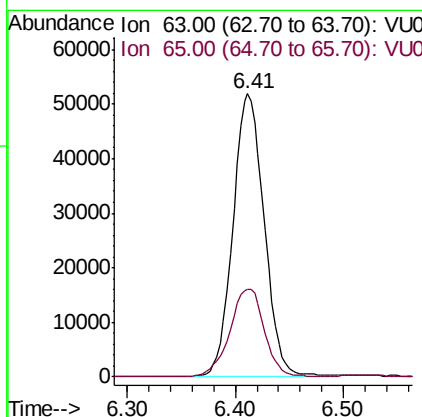
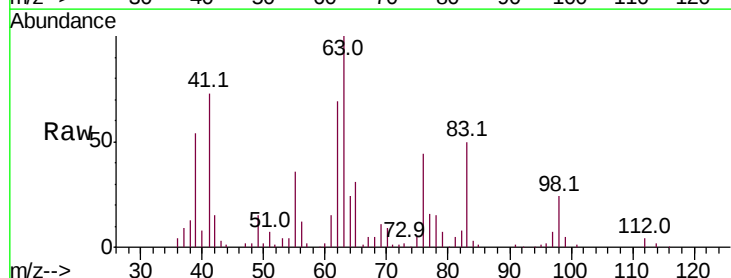
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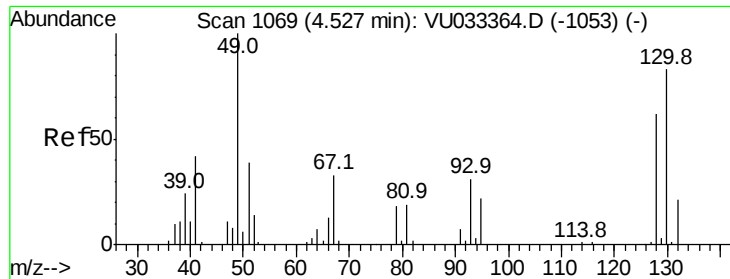
MMDadoda
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#38
 1,2-Dichloropropane
 Concen: 10.037 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion: 63 Resp: 104928
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.7 38.5





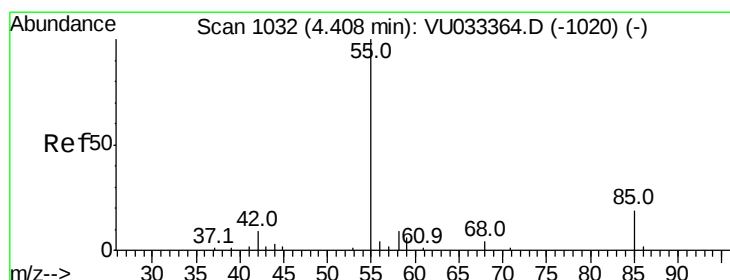
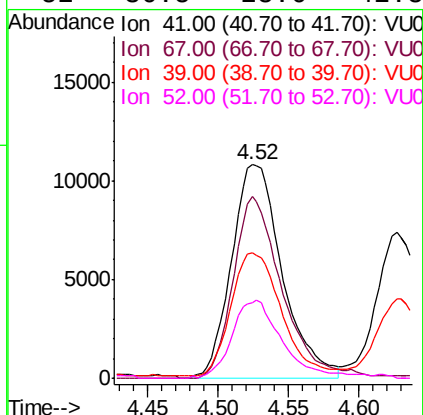
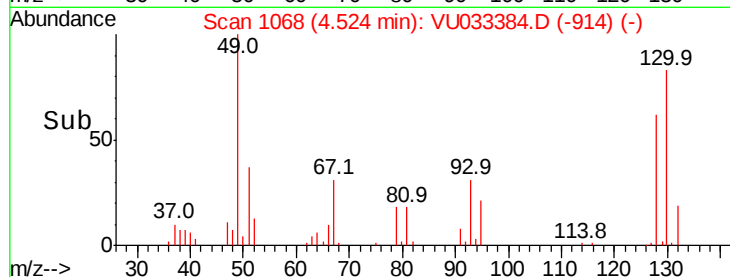
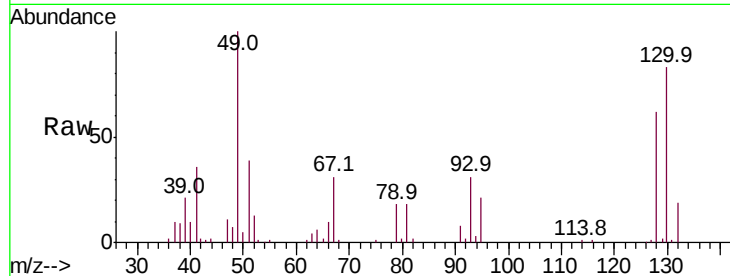
#39
Methacrylonitrile
Concen: 9.314 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	82.2	64.4	96.6
39	57.1	46.8	70.2
52	36.5	28.6	42.8

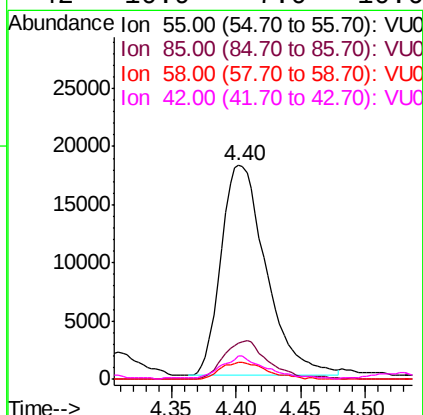
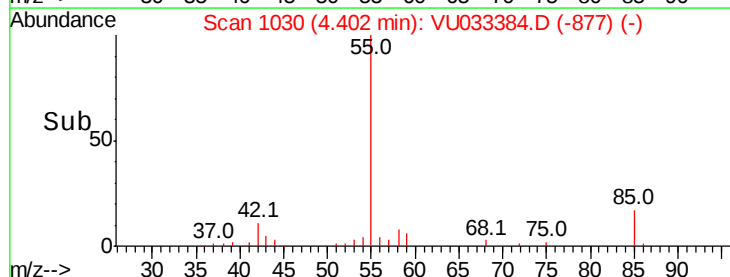
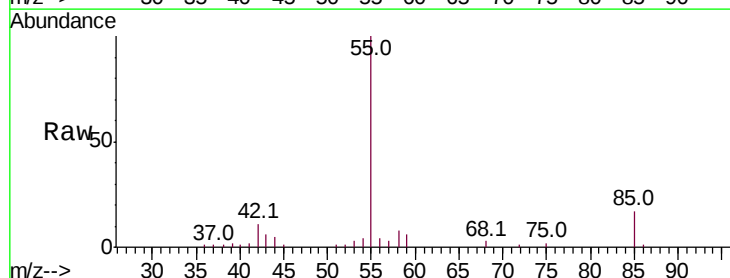
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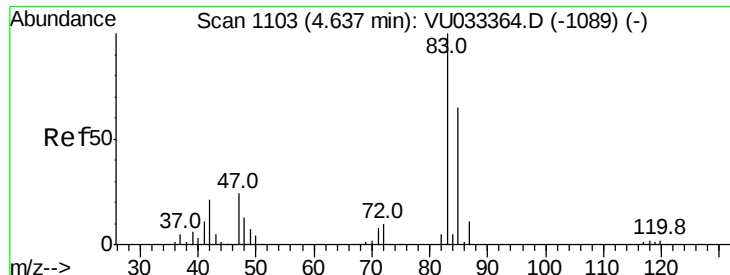
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#40
Methyl acrylate
Concen: 9.693 ug/l
RT: 4.40 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.5	14.8	22.2
58	8.1	7.1	10.7
42	10.9	7.0	10.6#





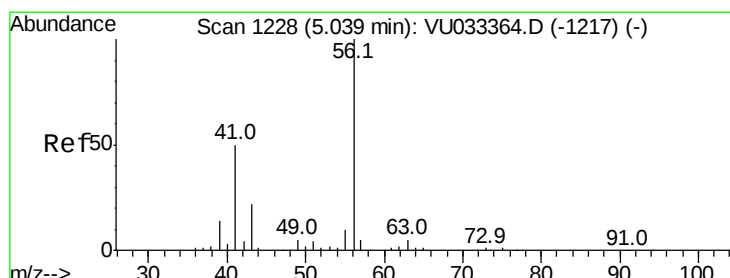
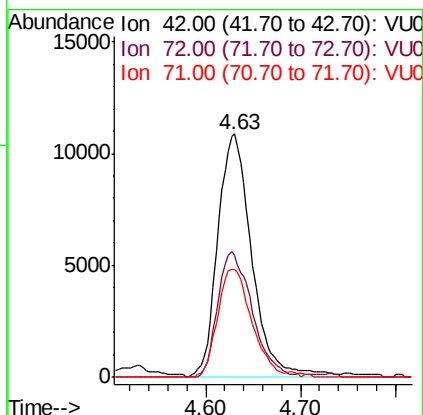
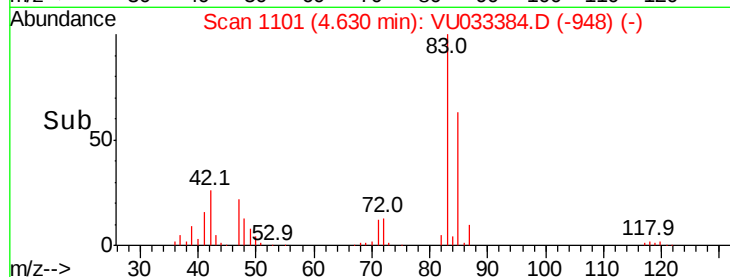
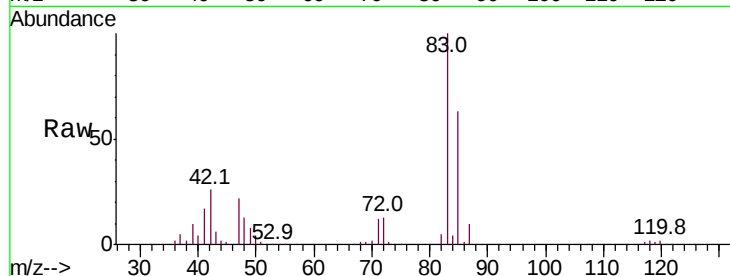
#41
Tetrahydrofuran
Concen: 18.650 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. -0.01 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	38.7	58.1
71	44.3	34.6	52.0

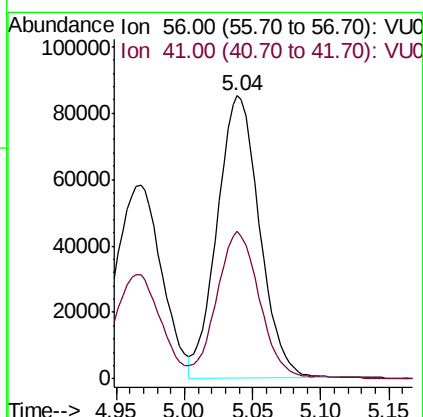
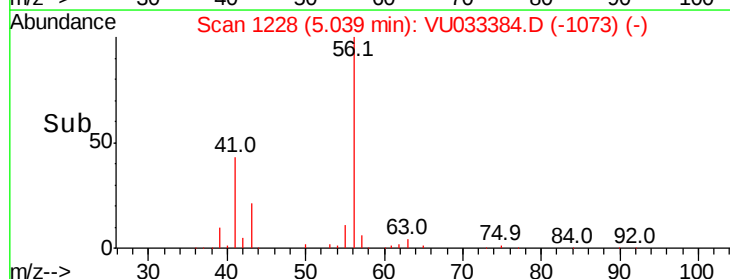
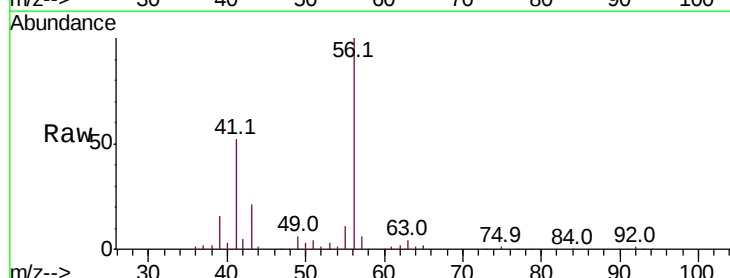
Manual Integrations
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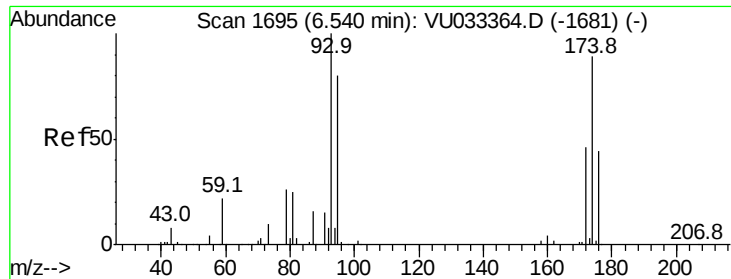
MMDadoda
7/25/2019 11:16:11 AM



#42
1-Chlorobutane
Concen: 10.369 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
56	100		
41	51.3	25.7	77.1





#43

Dibromomethane

Concen: 9.510 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

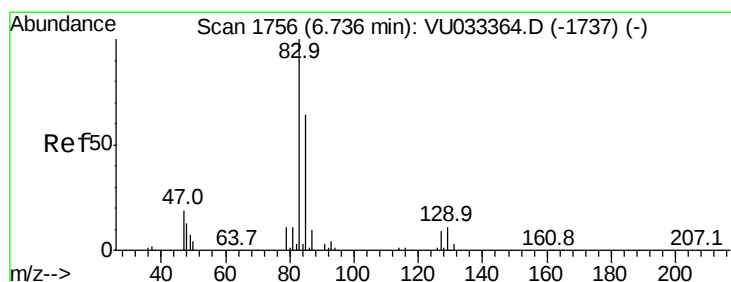
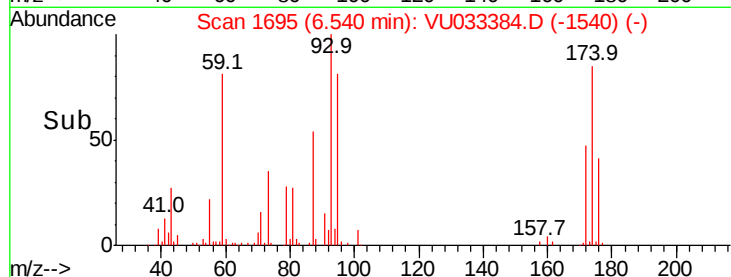
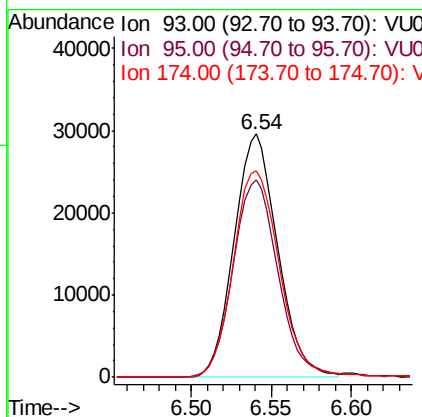
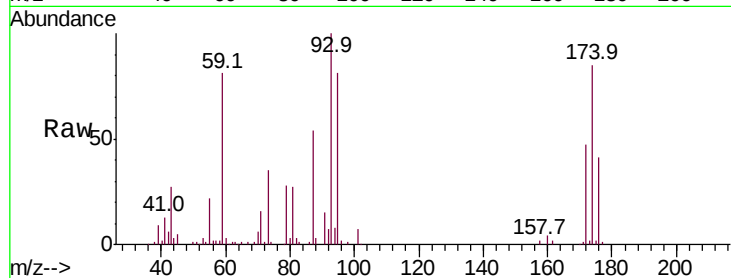
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	55045
Ion	Ratio	Lower	Upper
93	100		
95	84.8	65.3	97.9
174	90.1	70.7	106.1

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#44

Bromodichloromethane

Concen: 9.711 ug/l

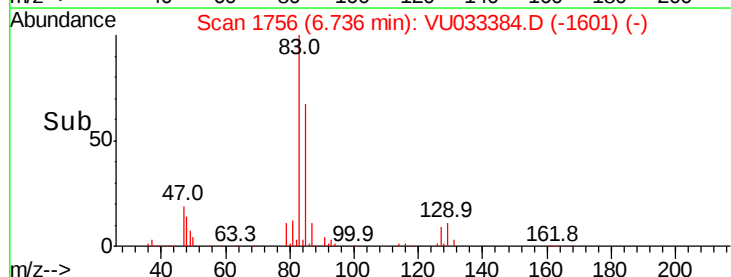
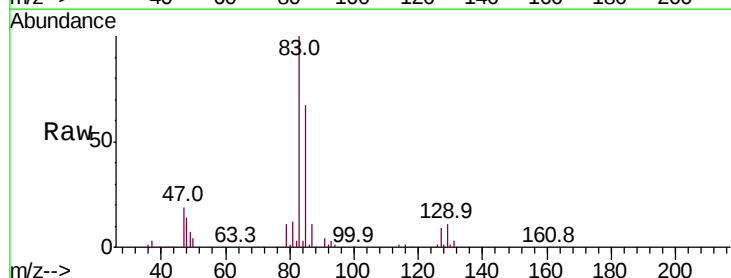
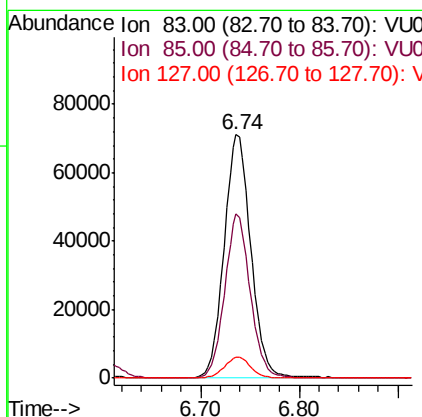
RT: 6.74 min Scan# 1756

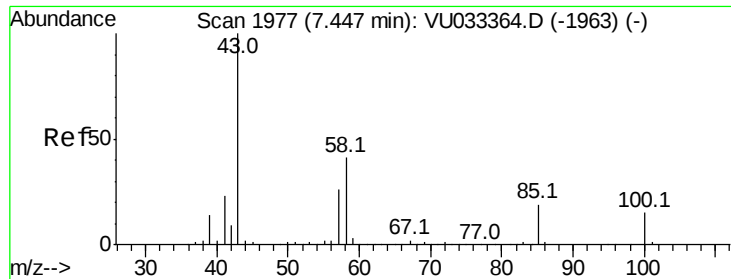
Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Tgt Ion:	83	Resp:	135519
Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.1	76.7
127	8.6	7.2	10.8





#45

4-Methyl-2-Pentanone

Concen: 49.633 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

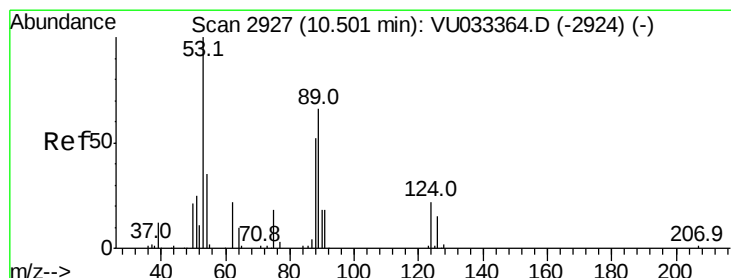
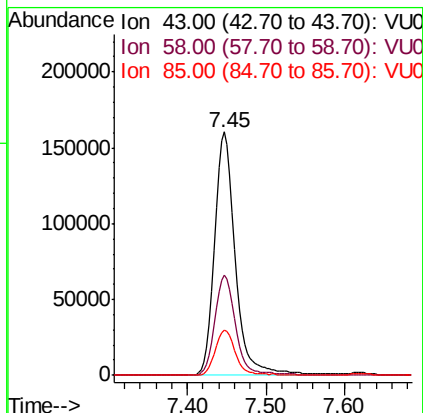
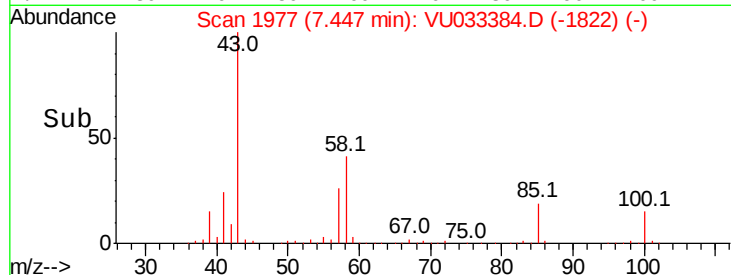
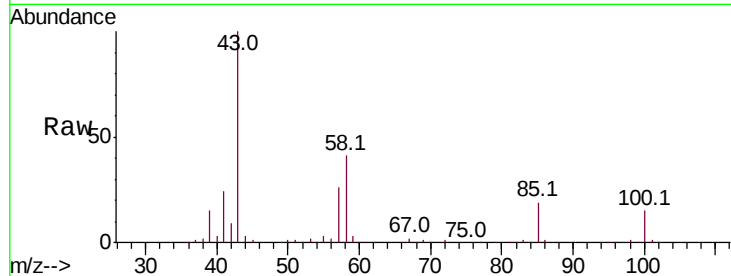
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.3	20.3	60.8
85	18.1	15.0	22.6

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#46

t-1,4-Dichloro-2-butene

Concen: 21.603 ug/l m

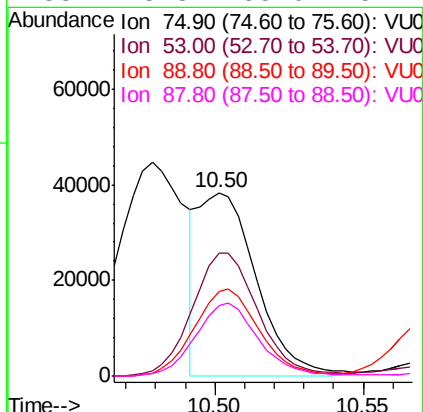
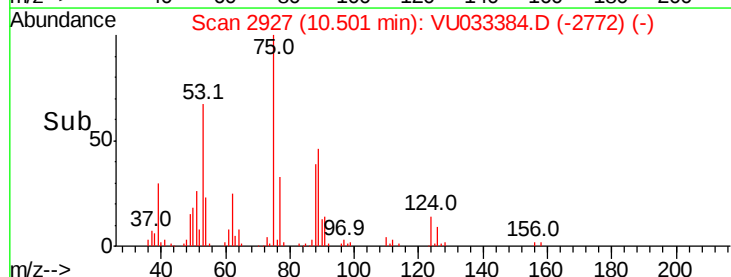
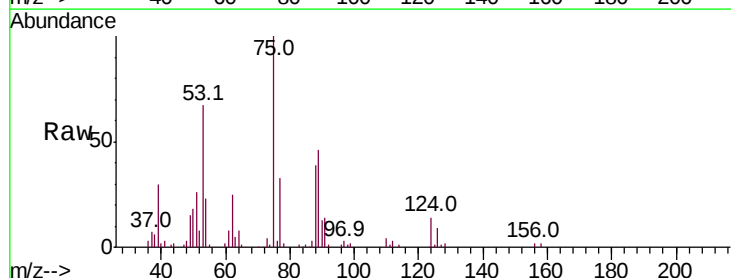
RT: 10.50 min Scan# 2927

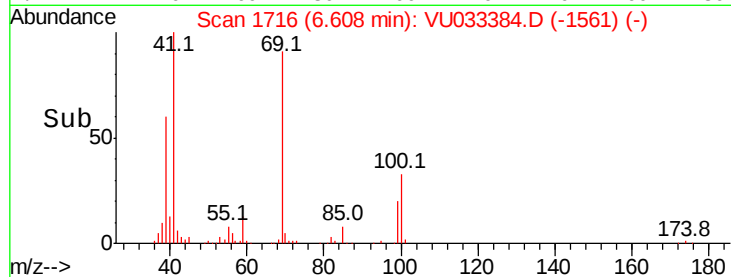
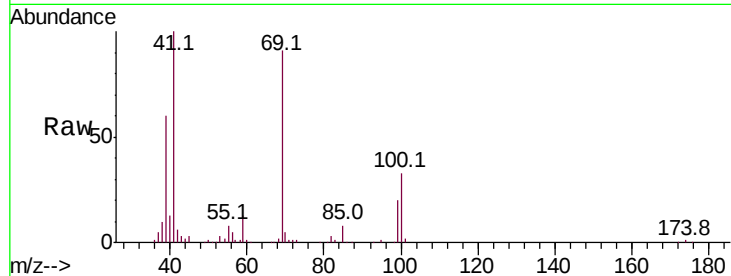
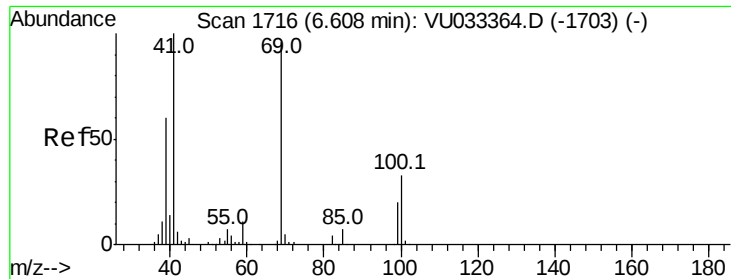
Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
53	77.2	62.9	94.3
89	53.8	43.0	64.4
88	43.3	35.0	52.4





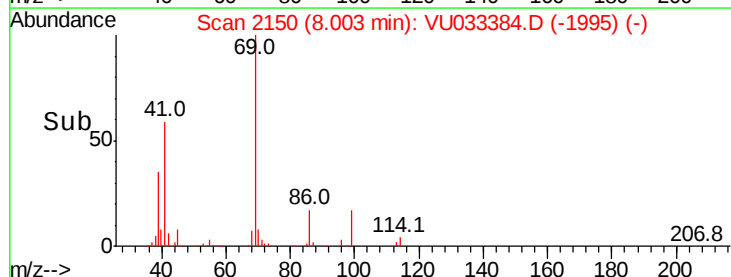
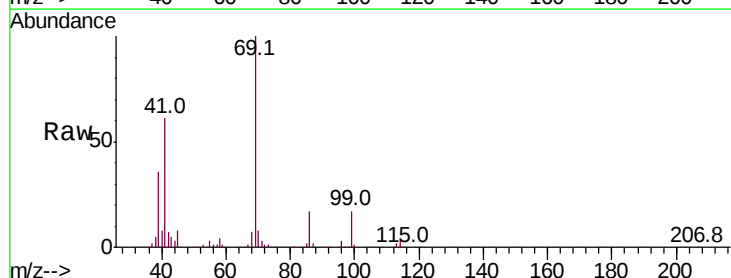
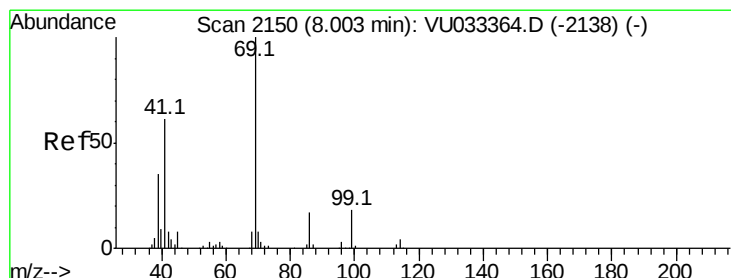
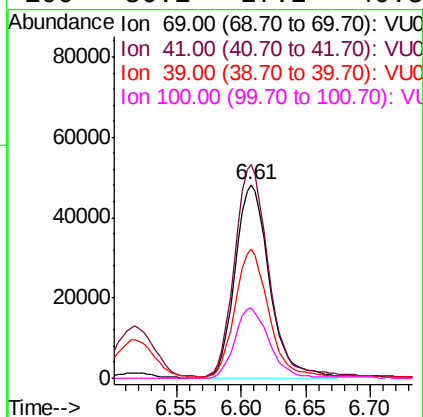
#47
Methyl methacrylate
Concen: 20.366 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tot Ion	Ratio	Lower	Upper
69	100		
41	108.0	0.0	208.2
39	64.3	50.6	75.8
100	36.1	27.2	40.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

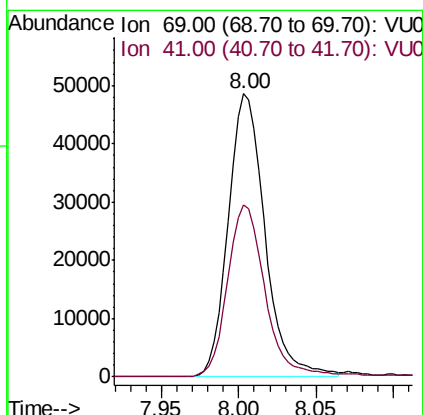
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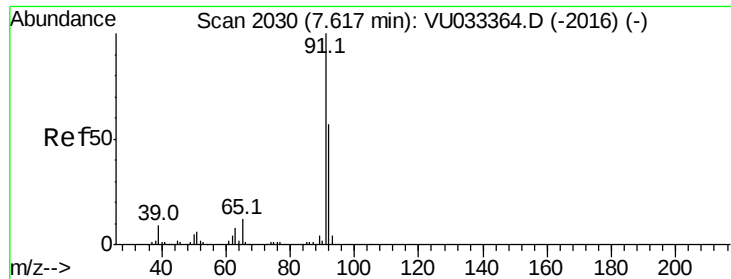
MMDadoda
7/25/2019 11:16:11 AM



#48
Ethyl methacrylate
Concen: 10.310 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	30.9	92.7





#49

Toluene

Concen: 11.270 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 244632

Ion Ratio Lower Upper

92 100

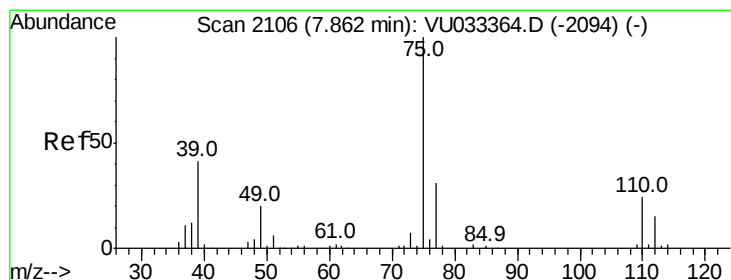
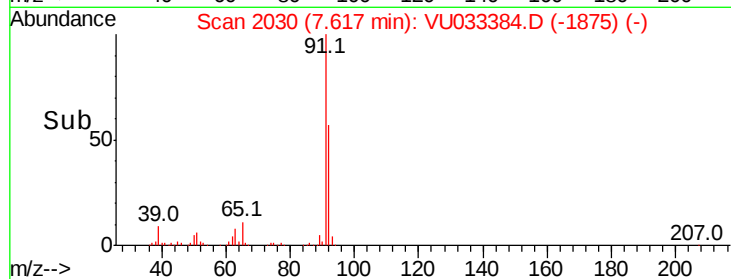
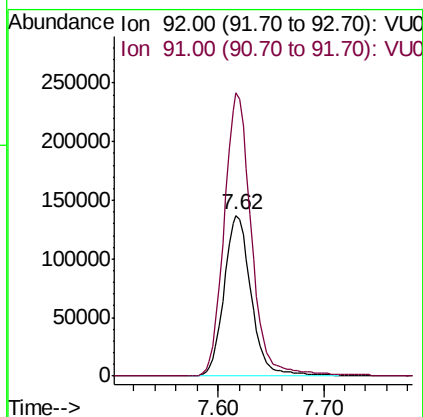
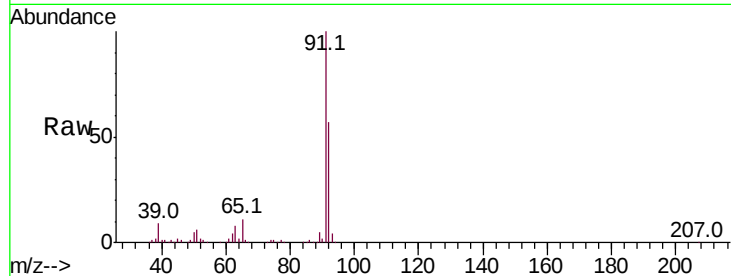
91 177.3 142.1 213.1

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#50

t-1,3-Dichloropropene

Concen: 10.527 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033384.D

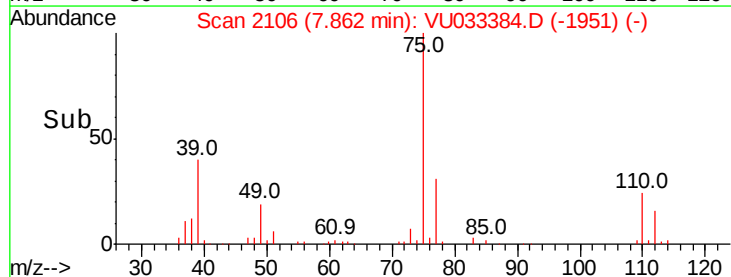
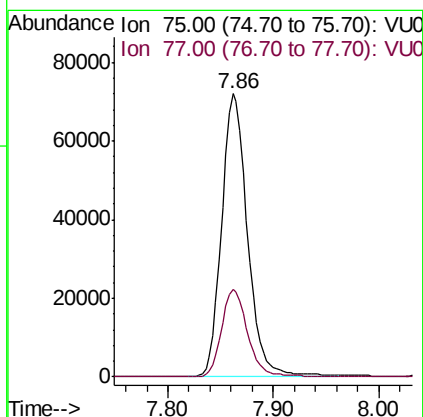
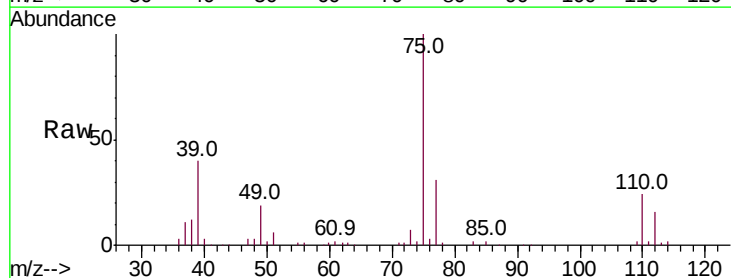
Acq: 23 Jul 2019 16:25

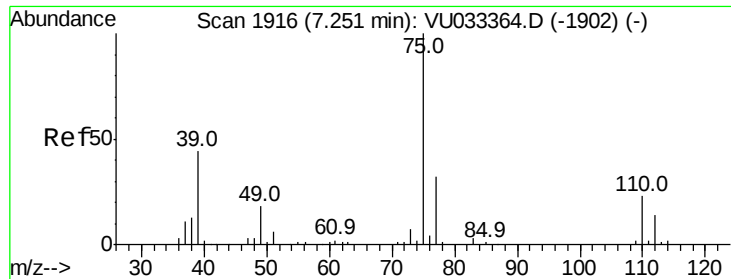
Tgt Ion: 75 Resp: 122536

Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8





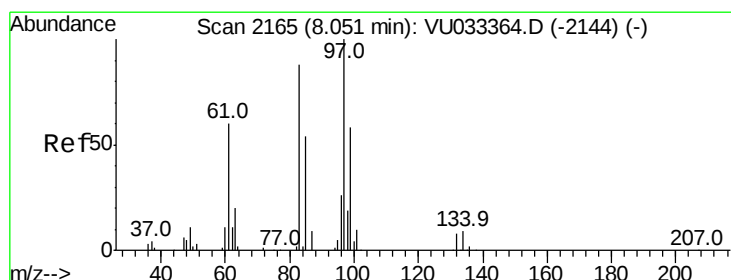
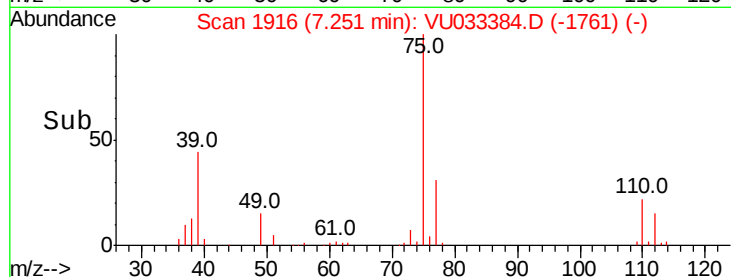
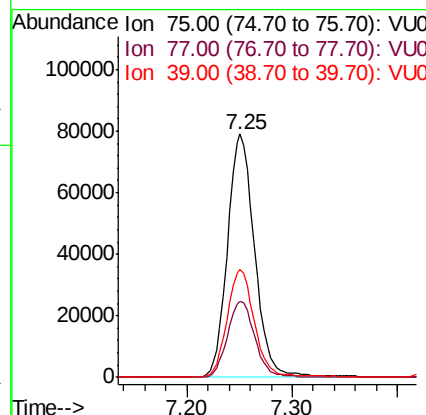
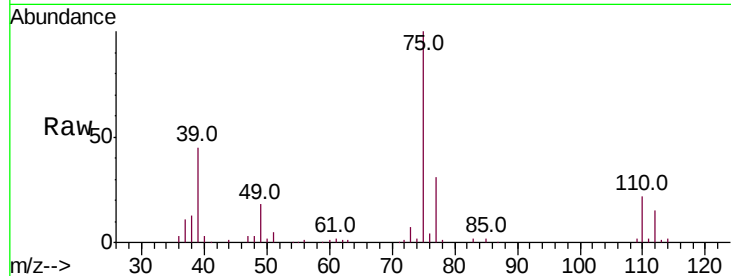
#51
 cis-1,3-Dichloropropene
 Concen: 10.207 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	44.4	35.2	52.8

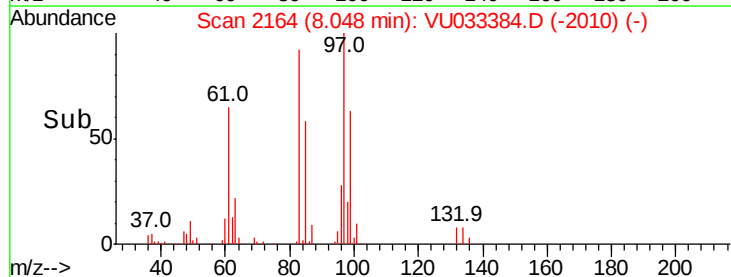
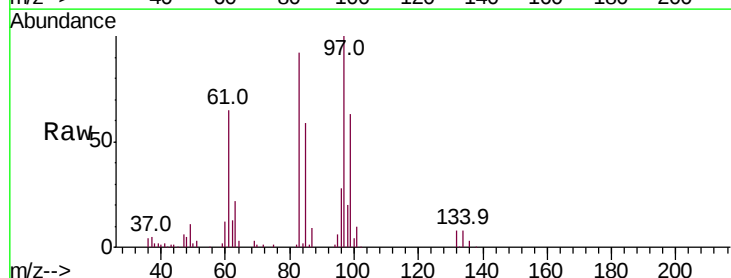
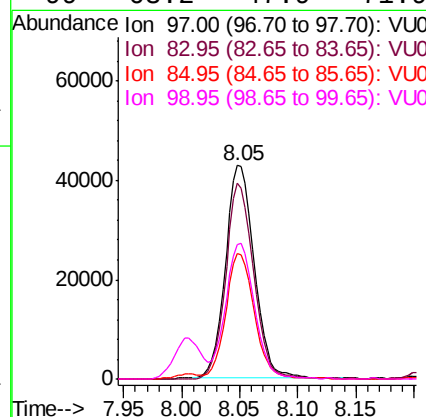
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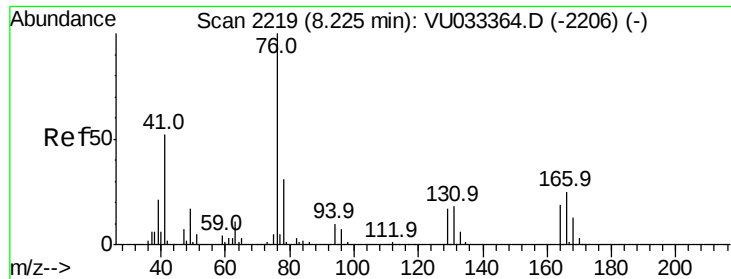
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#52
 1,1,2-Trichloroethane
 Concen: 9.588 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.0	70.2	105.2
85	59.0	43.5	65.3
99	63.2	47.9	71.9





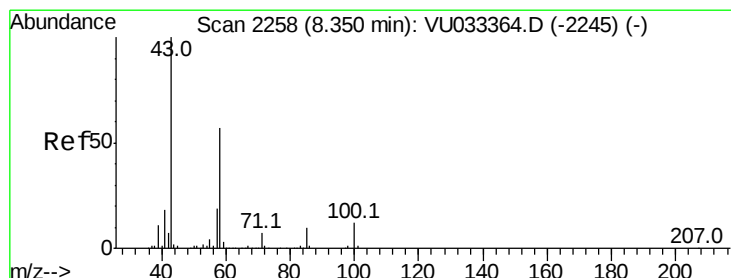
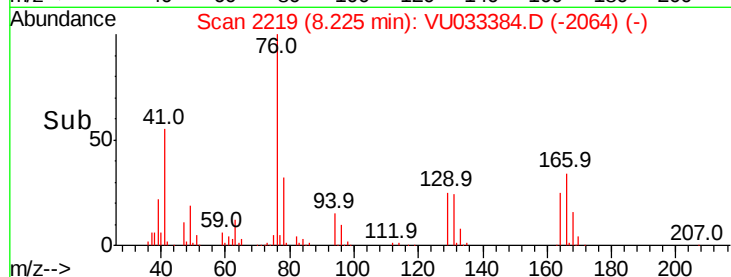
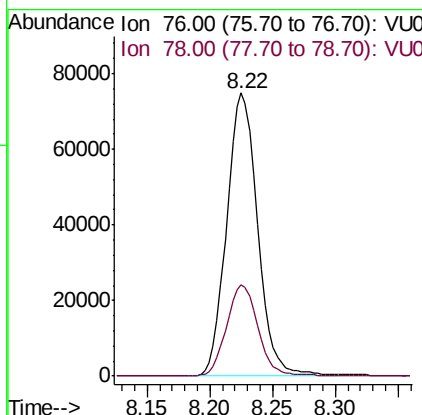
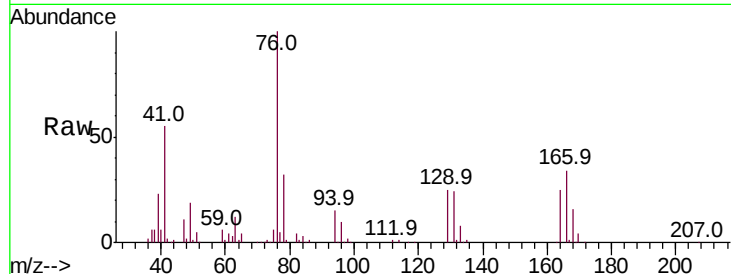
#53
 1,3-Dichloropropane
 Concen: 9.831 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.7	38.5

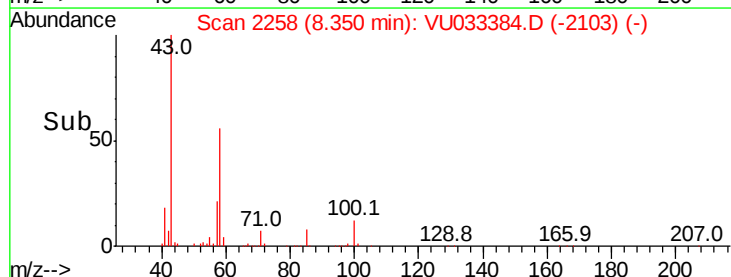
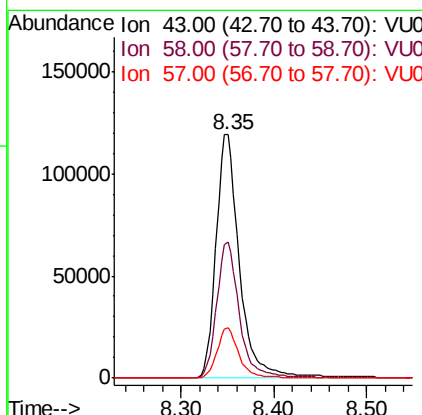
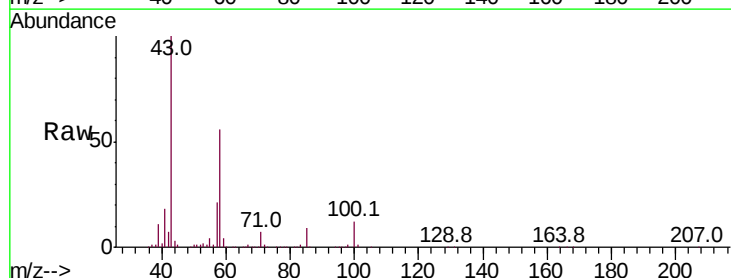
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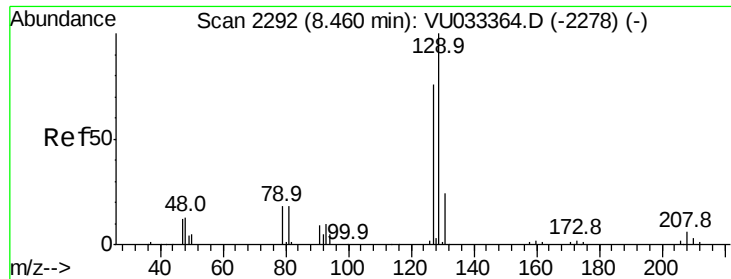
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#54
 2-Hexanone
 Concen: 50.345 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.2	36.0	76.0
57	19.1	0.0	39.4





#55

Dibromochloromethane

Concen: 10.184 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 92022

Ion Ratio Lower Upper

129 100

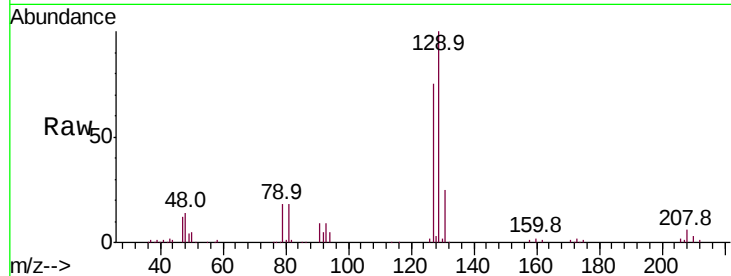
127 75.9 60.9 91.3

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.46

60000

50000

40000

30000

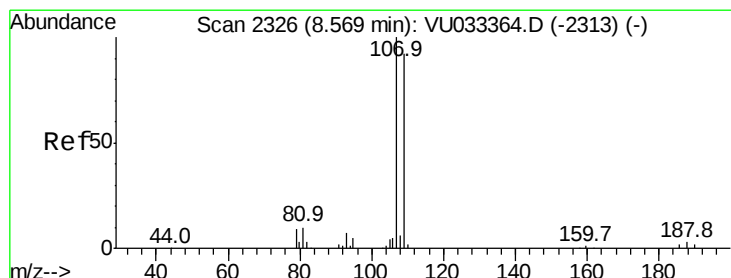
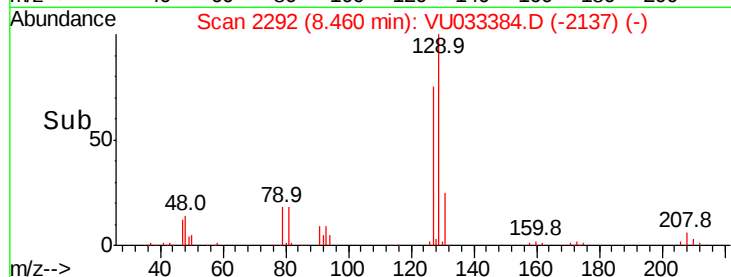
20000

10000

0

8.40 8.50

Time-->



#56

1,2-Dibromoethane

Concen: 9.670 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033384.D

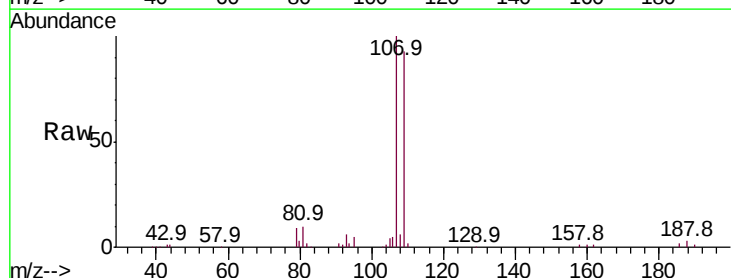
Acq: 23 Jul 2019 16:25

Tgt Ion:107 Resp: 69719

Ion Ratio Lower Upper

107 100

109 93.7 0.0 184.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

40000

30000

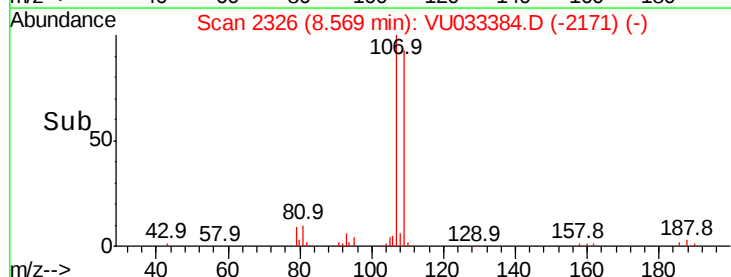
20000

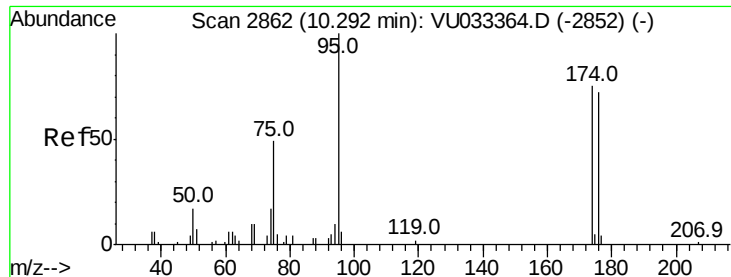
10000

0

8.50 8.55 8.60 8.65

Time-->





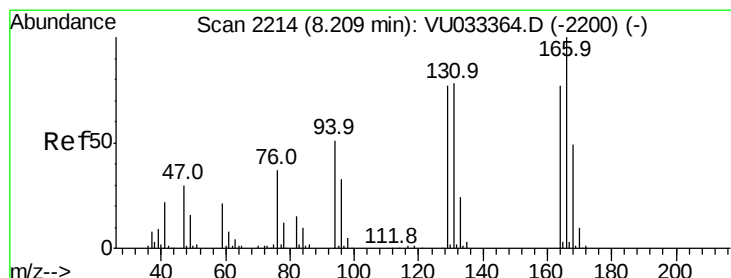
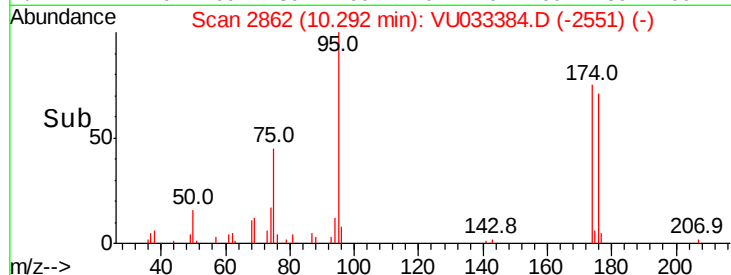
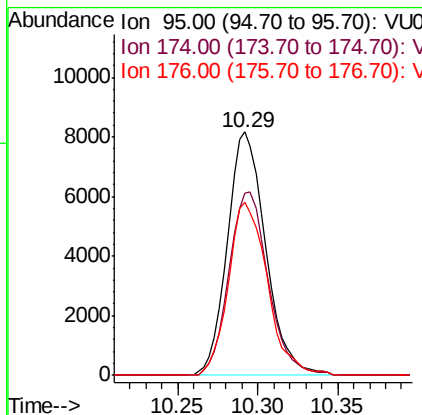
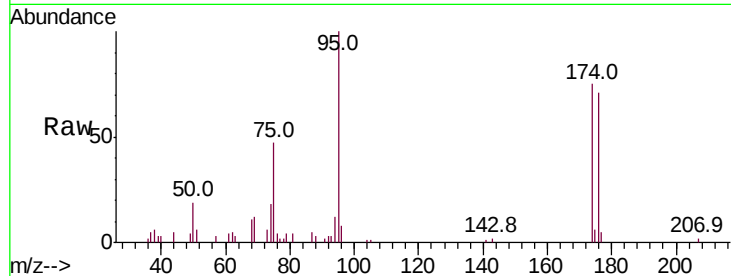
#57
4-Bromofluorobenzene
Concen: 1.070 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.3	58.8	88.2
176	72.3	54.4	81.6

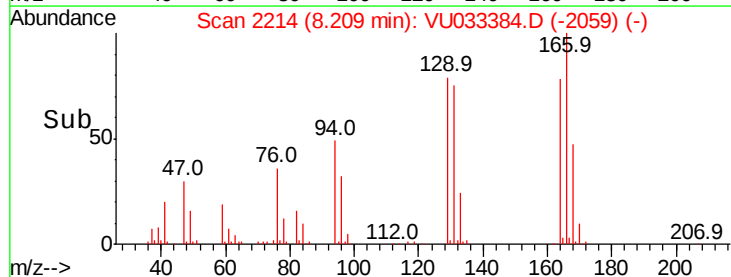
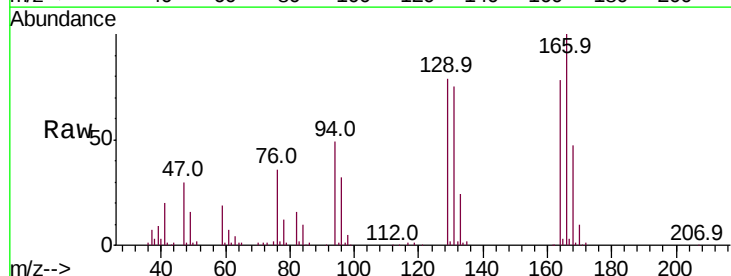
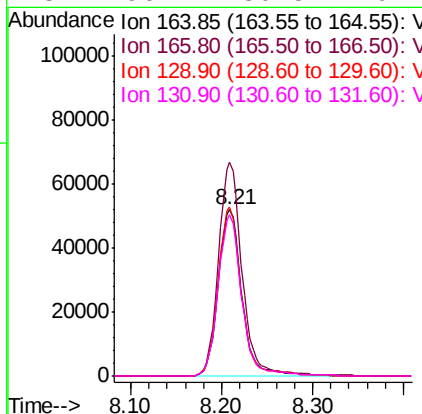
Manual Integrations
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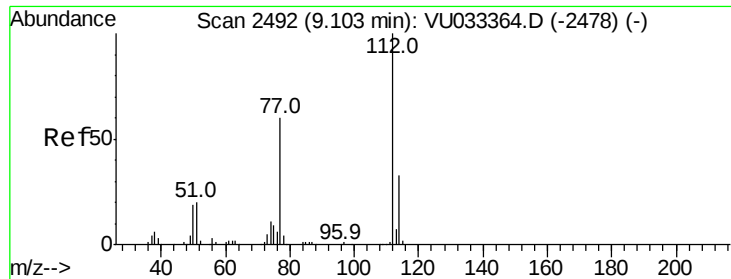
MMDadoda
7/25/2019 11:16:11 AM



#58
Tetrachloroethene
Concen: 10.373 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	103.8	155.6
129	101.8	79.7	119.5
131	96.7	80.5	120.7





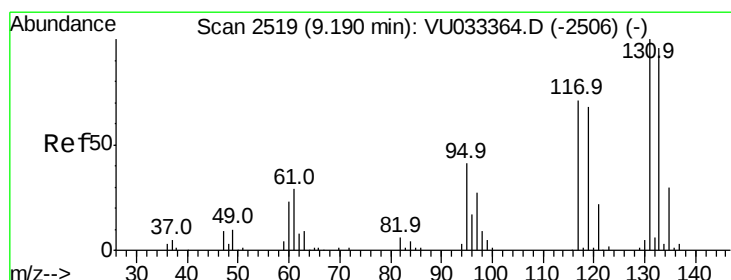
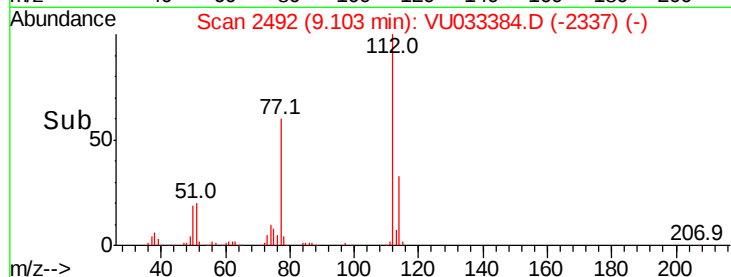
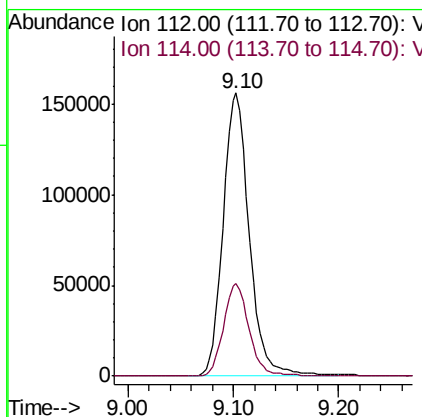
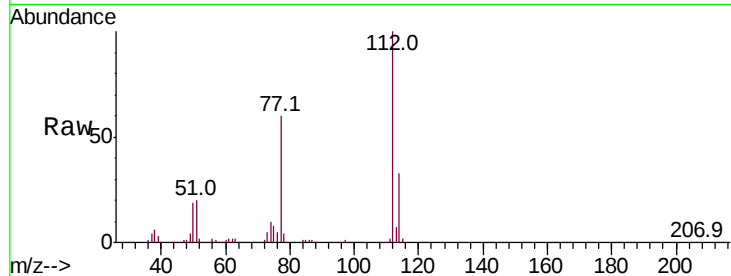
#59
Chlorobenzene
Concen: 10.754 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 267619
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6

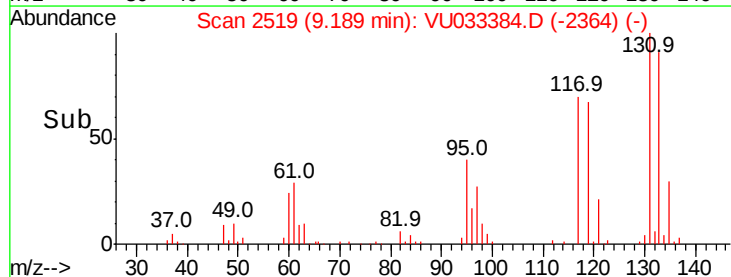
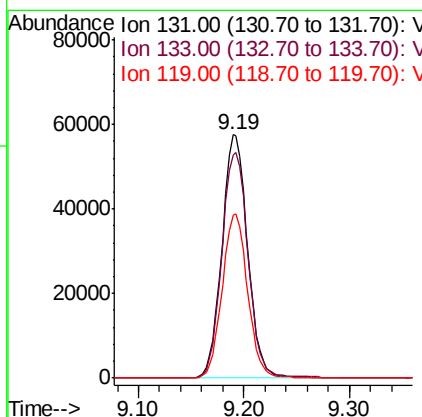
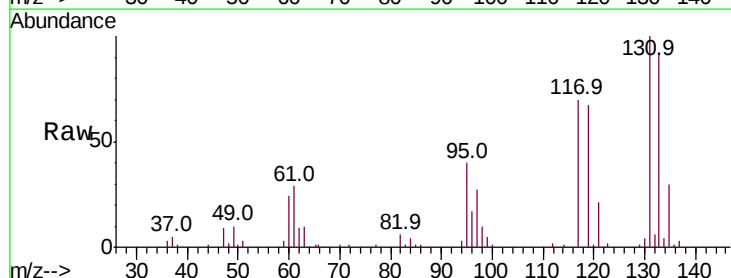
Manual Integrations
APPROVED

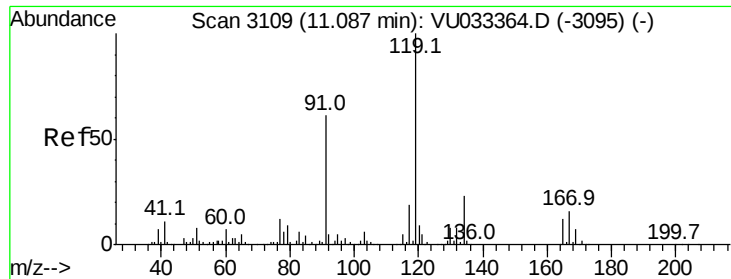
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.274 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion:131 Resp: 97096
Ion Ratio Lower Upper
131 100
133 94.3 76.2 114.4
119 66.5 54.9 82.3





#61

Pentachloroethane

Concen: 10.188 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 79015

Ion Ratio Lower Upper

117 100

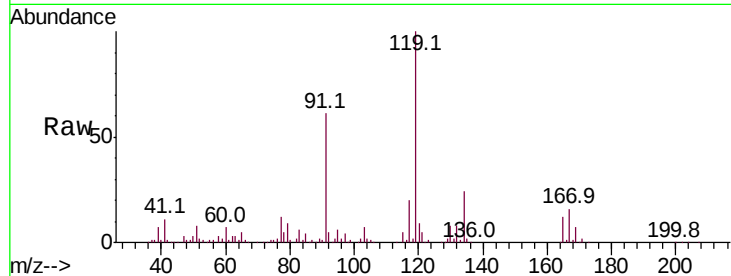
167 79.8 63.4 95.0

Manual Integrations

APPROVED

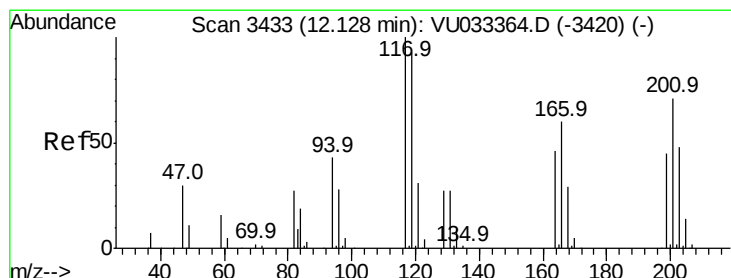
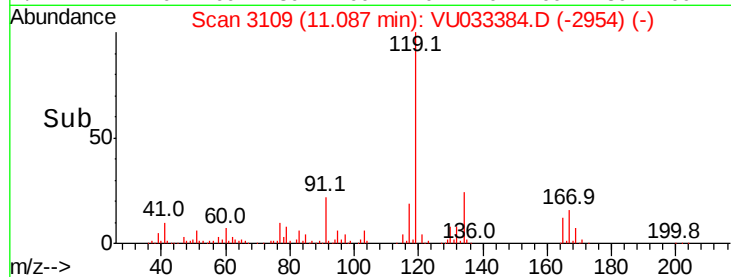
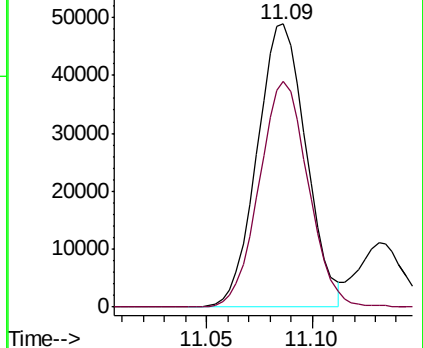
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.556 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VU033384.D

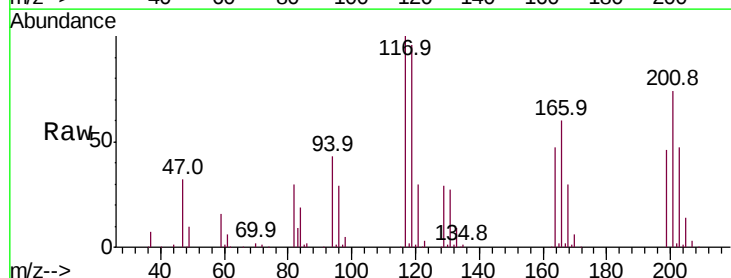
Acq: 23 Jul 2019 16:25

Tgt Ion:117 Resp: 79216

Ion Ratio Lower Upper

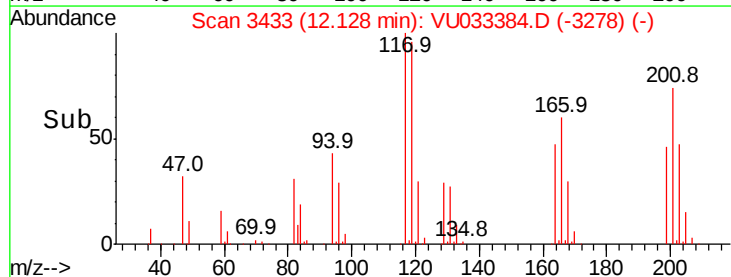
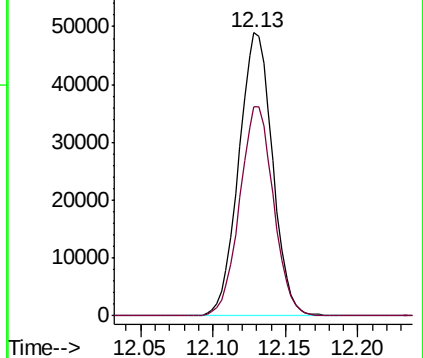
117 100

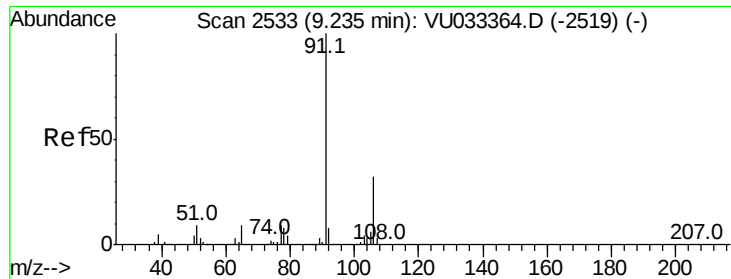
201 74.1 57.9 86.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





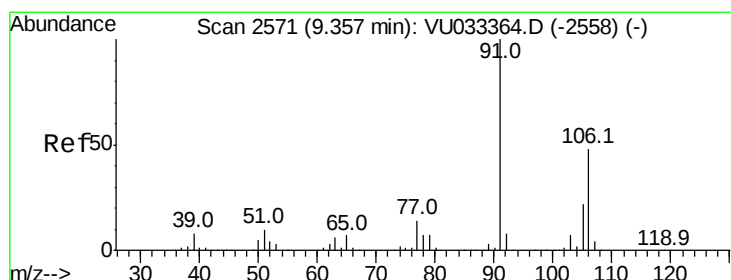
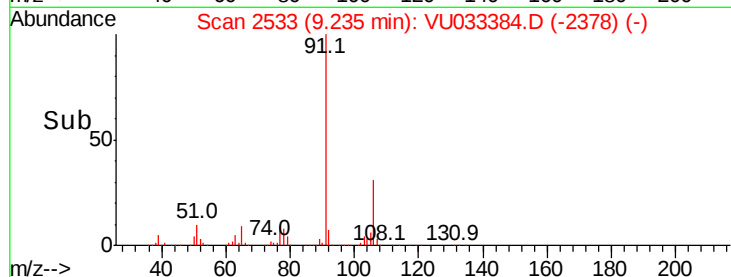
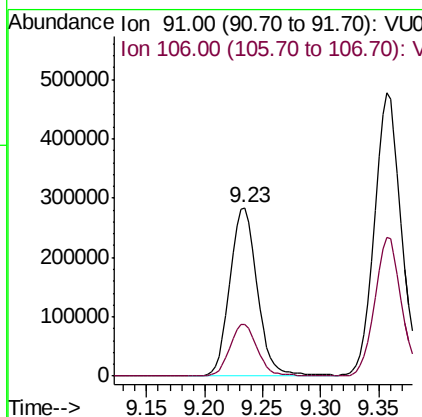
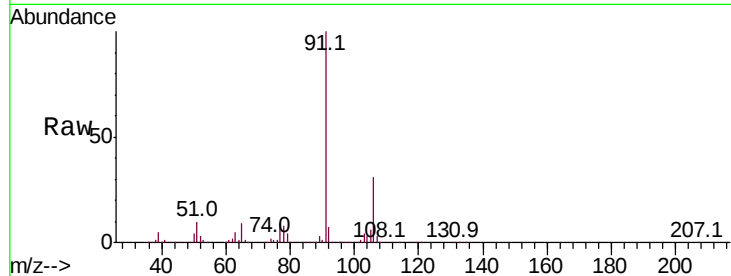
#63
Ethyl Benzene
Concen: 11.639 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 465111
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

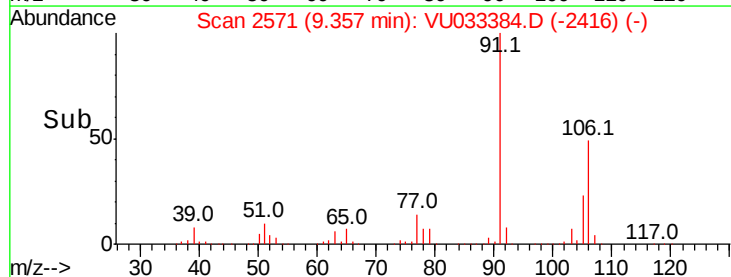
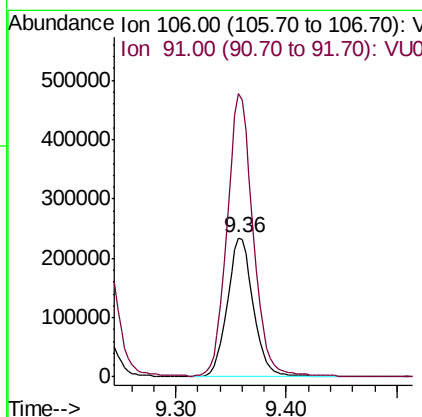
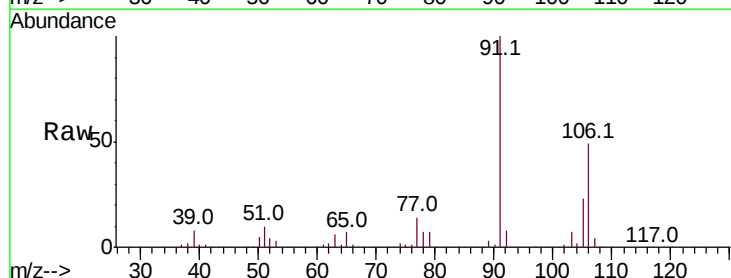
Manual Integrations
APPROVED

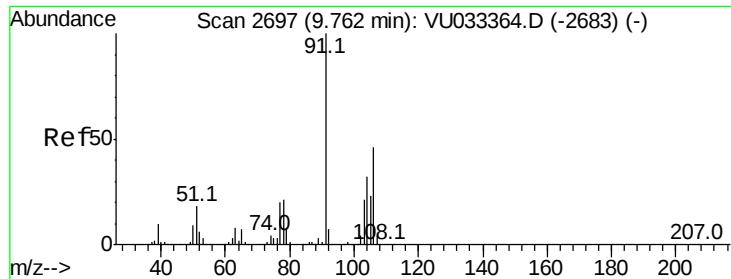
MMDadoda
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#64
m/p-Xylenes
Concen: 23.853 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion: 106 Resp: 381093
Ion Ratio Lower Upper
106 100
91 207.4 167.1 250.7





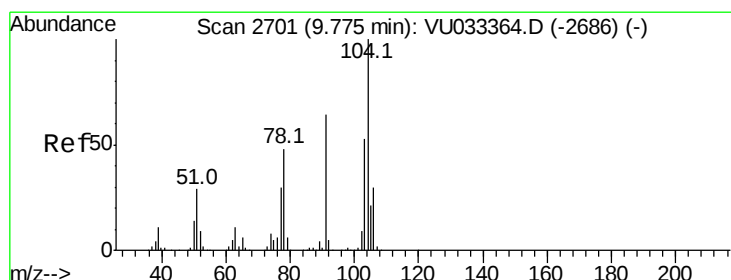
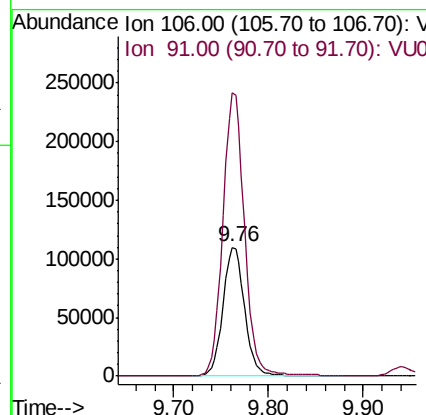
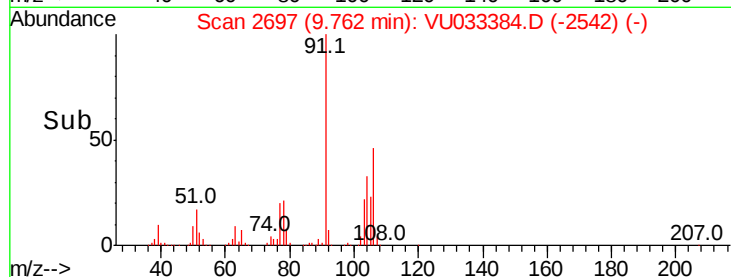
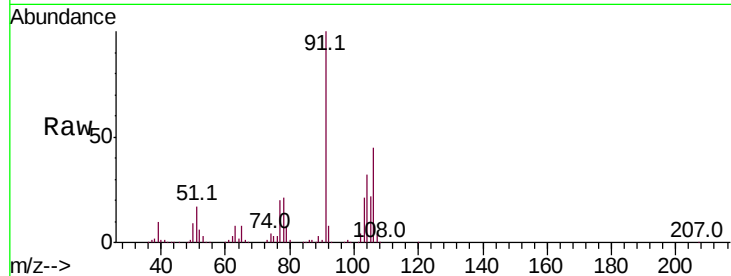
#65
o-Xylene
Concen: 11.446 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.0	108.5	325.3

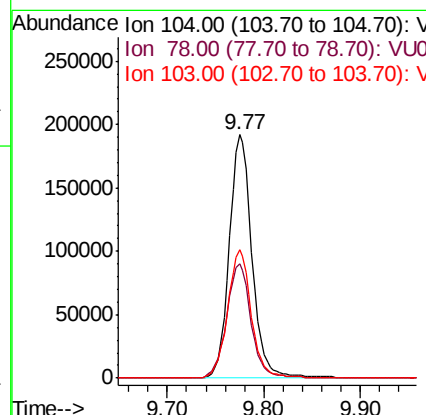
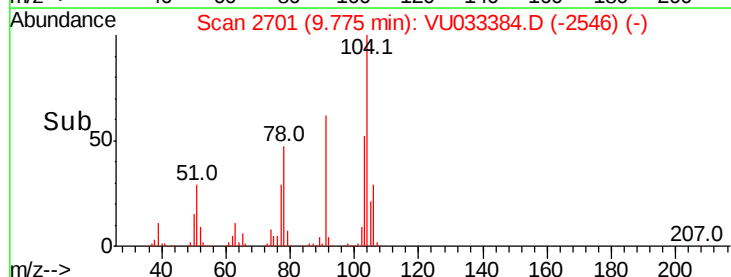
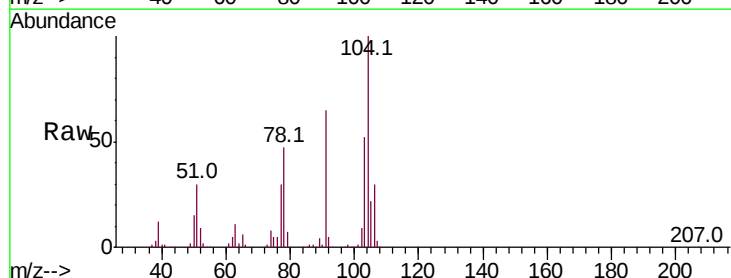
Manual Integrations
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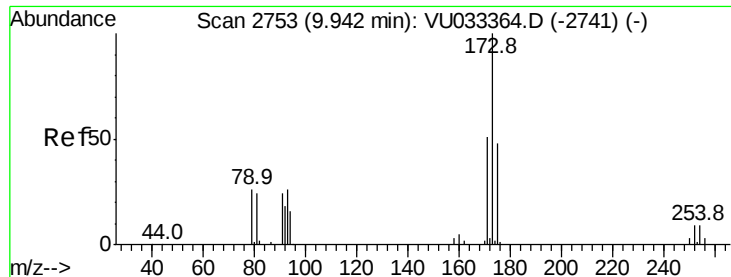
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#66
Styrene
Concen: 12.068 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	41.2	61.8
103	55.1	44.7	67.1





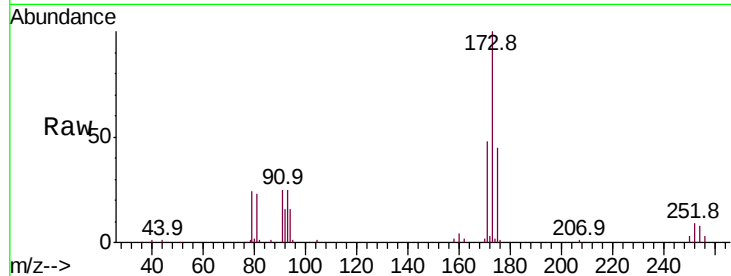
#67
Bromoform
Concen: 10.480 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	38.6	58.0
254	8.2	6.8	10.2

Manual Integrations
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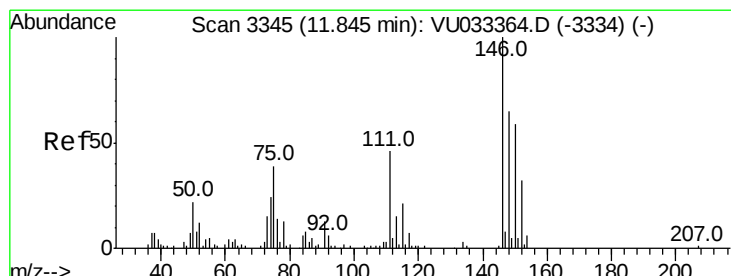
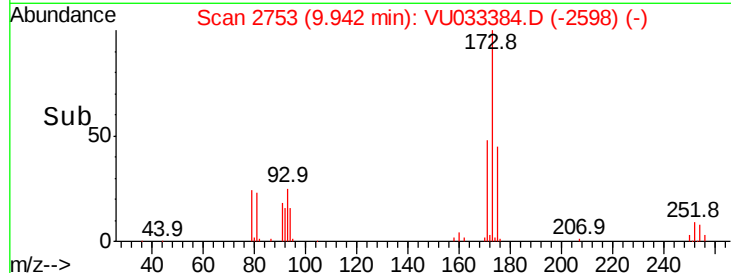
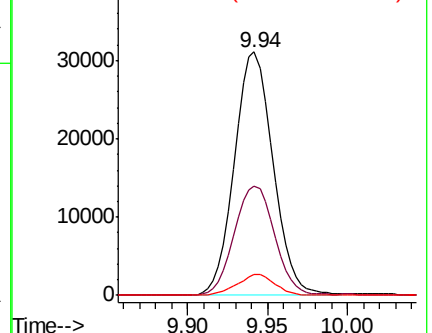


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 1.080 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

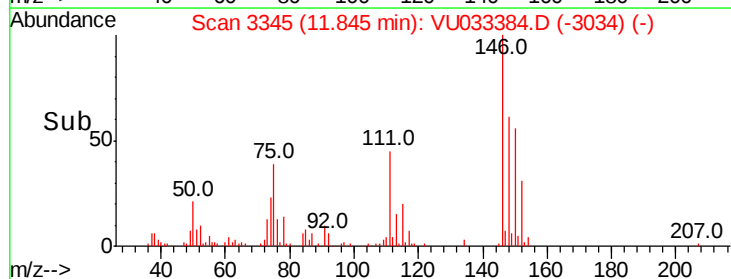
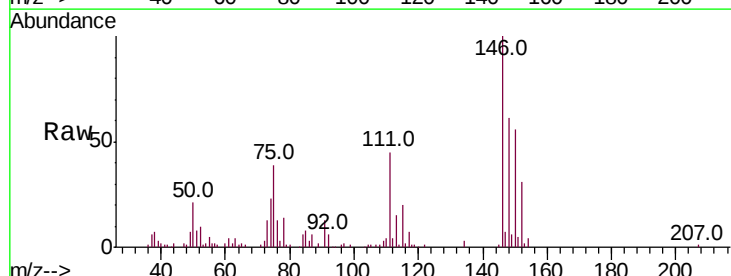
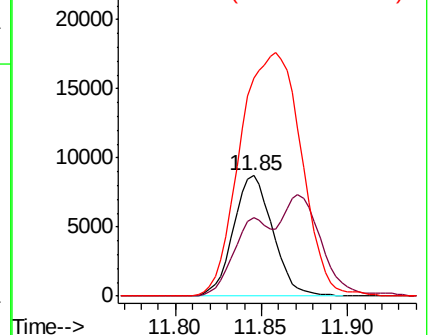
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	0.0	123.2
150	0.0	0.0	648.4

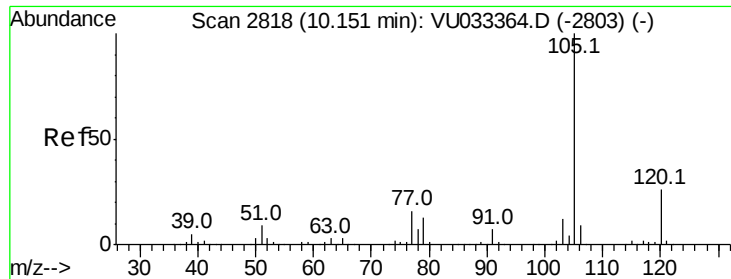
Abundance

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





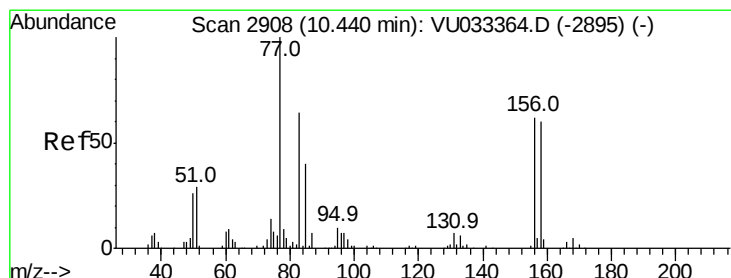
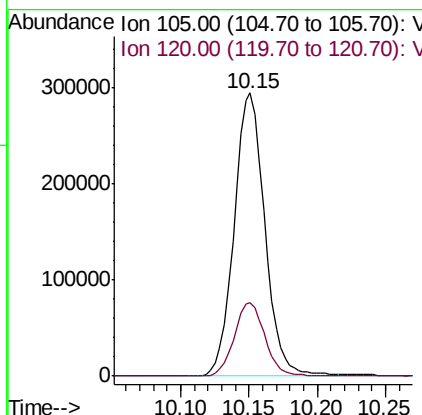
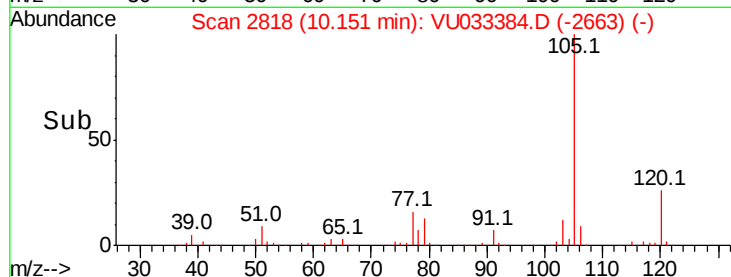
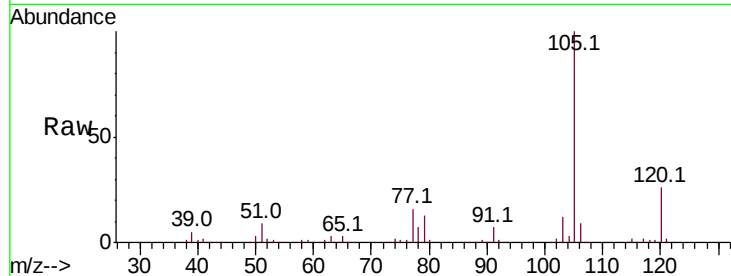
#69
Isopropylbenzene
Concen: 11.705 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.1

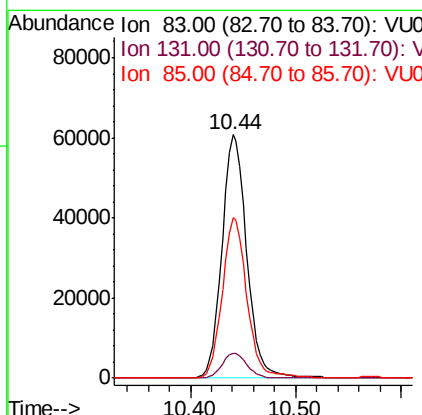
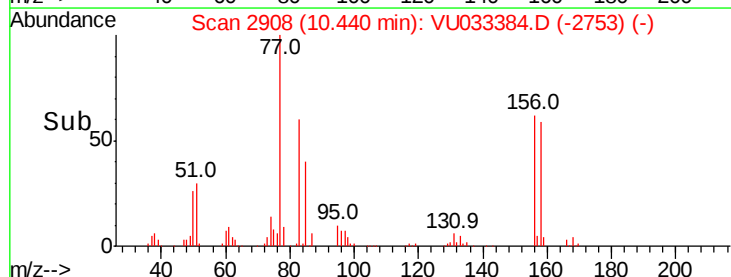
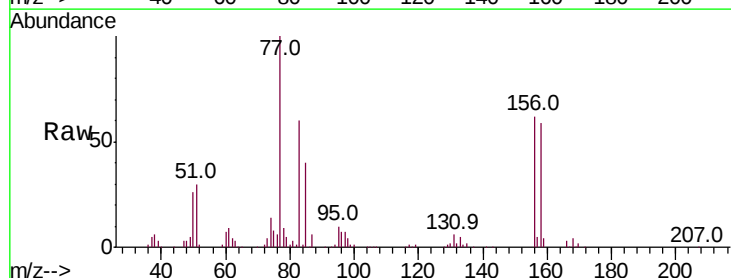
Manual Integrations
APPROVED

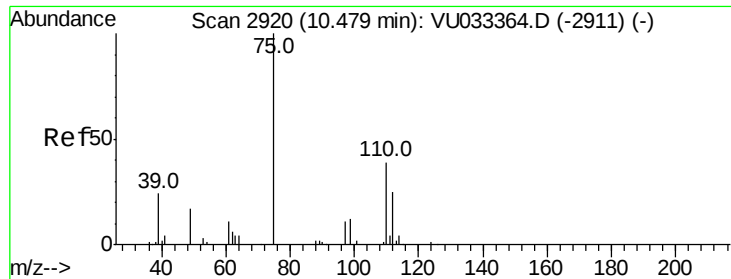
MMDadoda
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#70
1,1,2,2-Tetrachloroethane
Concen: 9.624 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	8.0	12.0
85	65.8	51.8	77.8





#71

1,2,3-Trichloropropane

Concen: 8.902 ug/l m

RT: 10.48 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

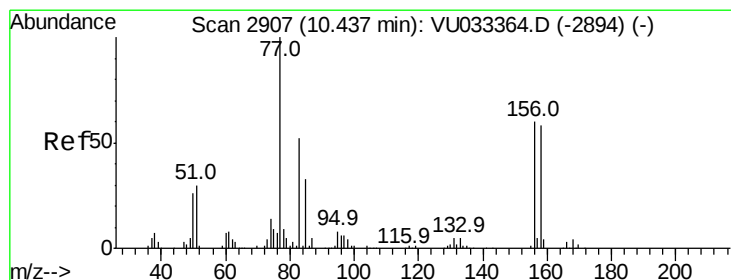
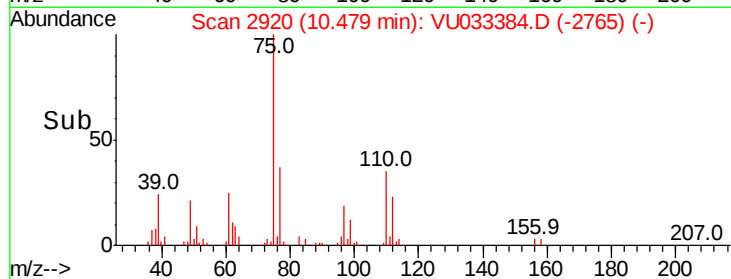
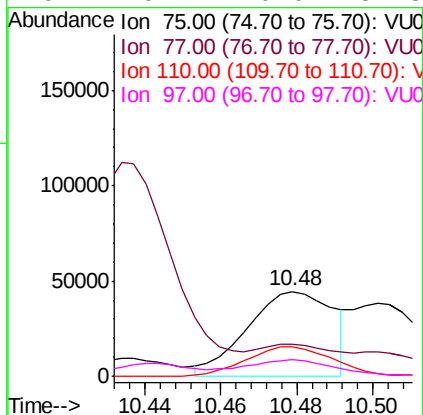
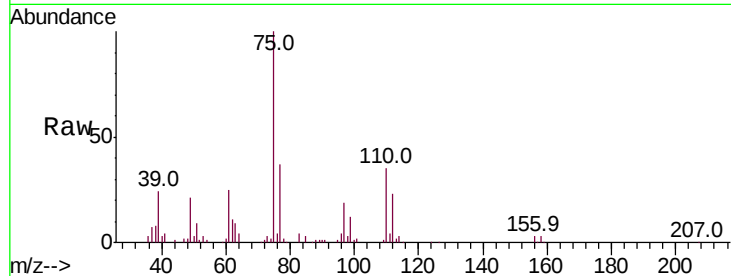
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	35.8	0.0	71.4
97	19.4	0.0	37.8

Manual Integrations
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#72

Bromobenzene

Concen: 10.931 ug/l

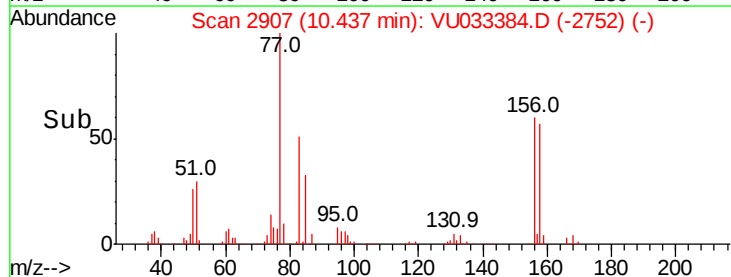
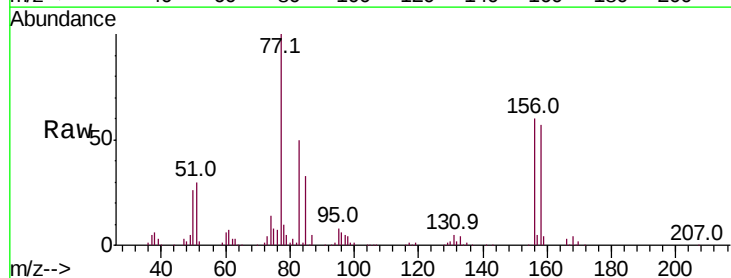
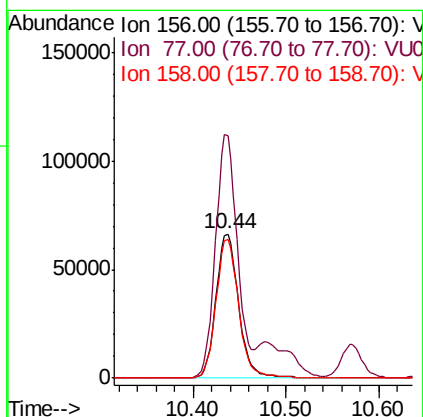
RT: 10.44 min Scan# 2907

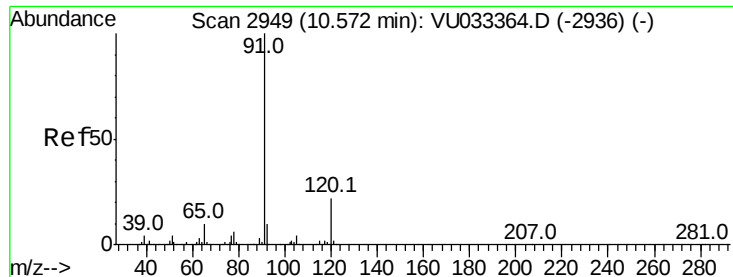
Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
156	100		
77	163.2	0.0	324.4
158	95.7	0.0	192.4





#73

n-propylbenzene

Concen: 12.297 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 137604

Ion Ratio Lower Upper

120 100

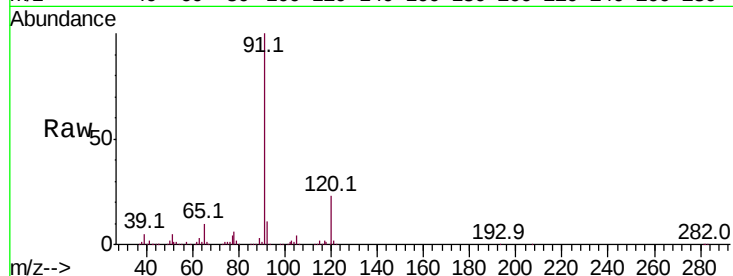
91 430.9 355.1 532.7

Manual Integrations

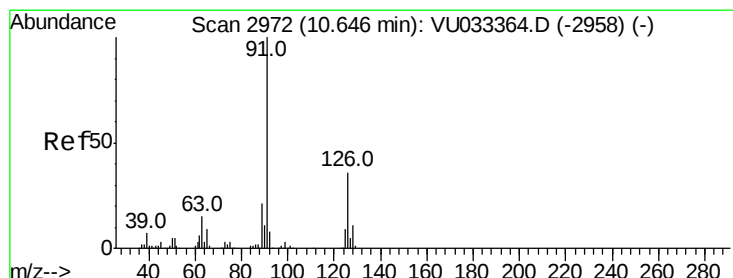
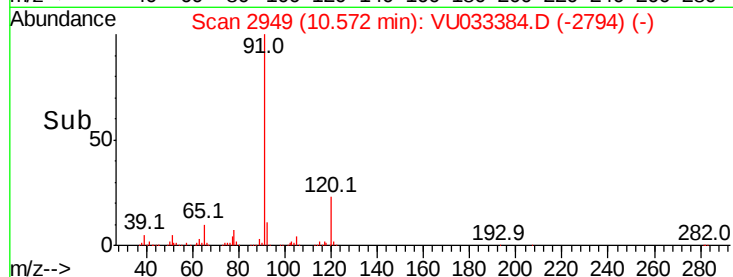
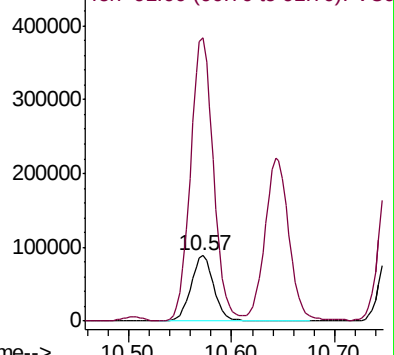
APPROVED

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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 11.722 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033384.D

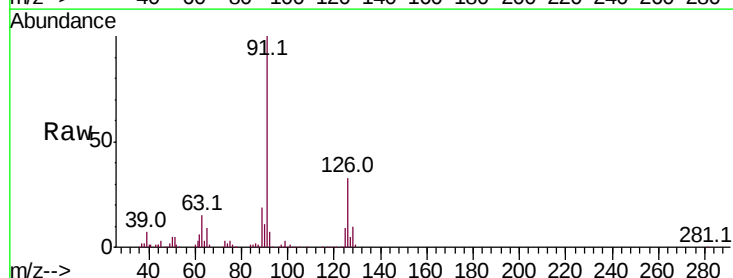
Acq: 23 Jul 2019 16:25

Tgt Ion:126 Resp: 119743

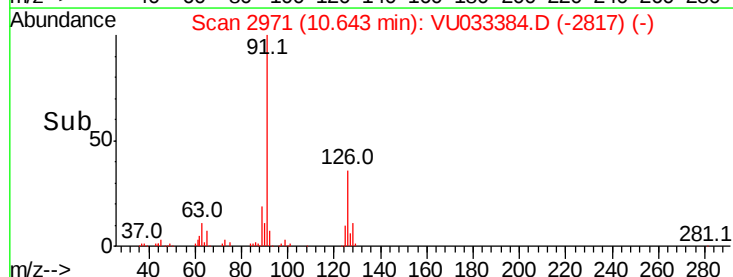
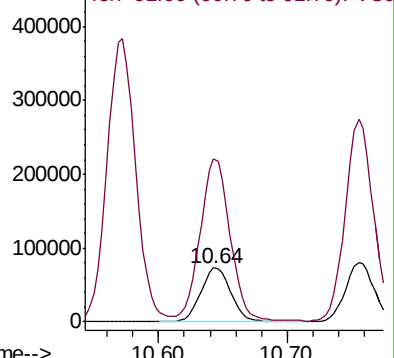
Ion Ratio Lower Upper

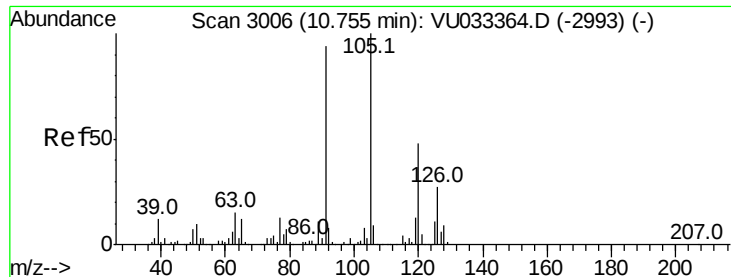
126 100

91 300.7 0.0 598.0



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 12.203 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 430091

Ion Ratio Lower Upper

105 100

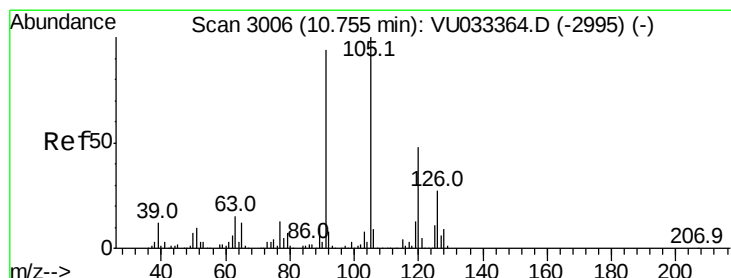
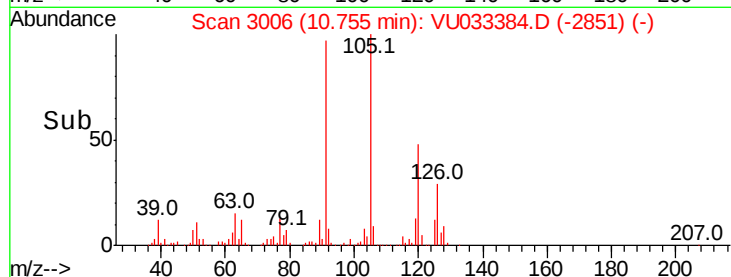
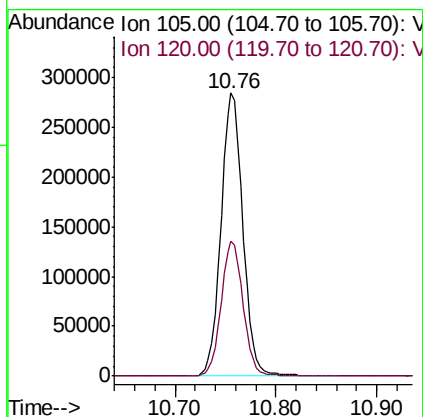
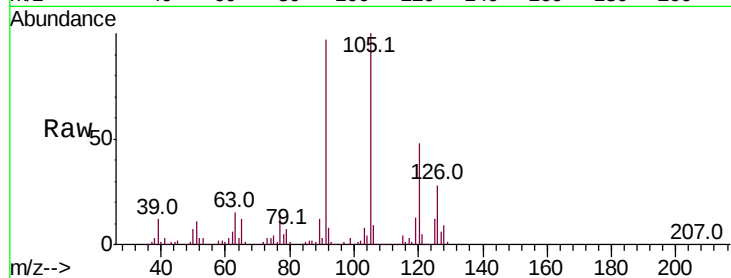
120 48.1 38.2 57.4

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#76

4-Chlorotoluene

Concen: 11.608 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033384.D

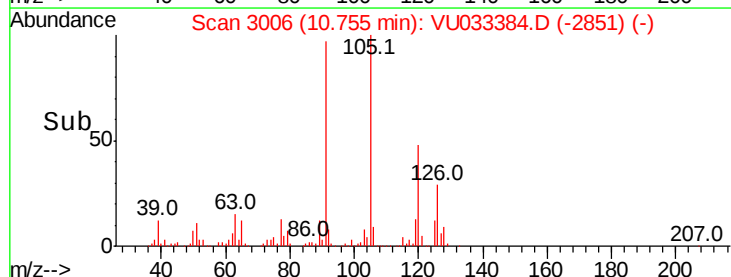
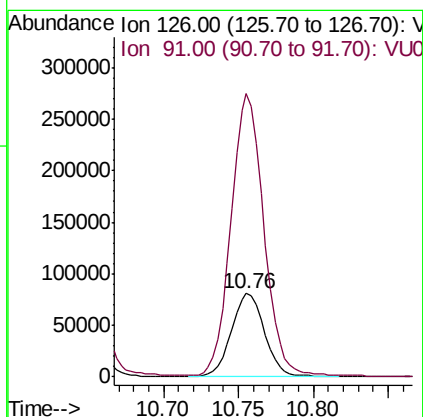
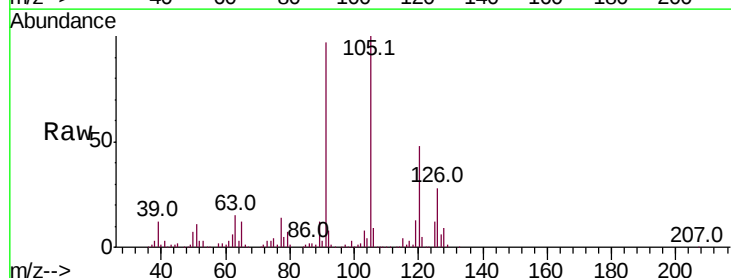
Acq: 23 Jul 2019 16:25

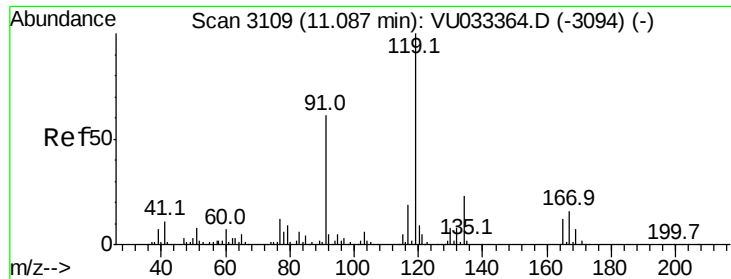
Tgt Ion:126 Resp: 123554

Ion Ratio Lower Upper

126 100

91 342.5 0.0 681.0





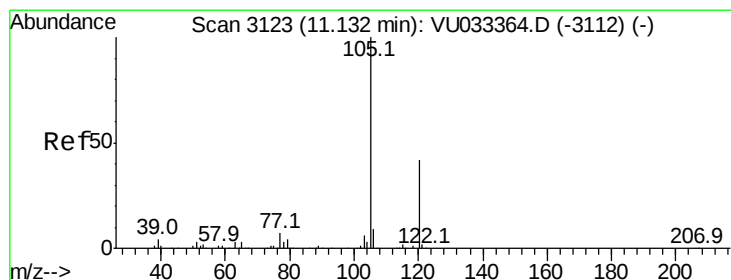
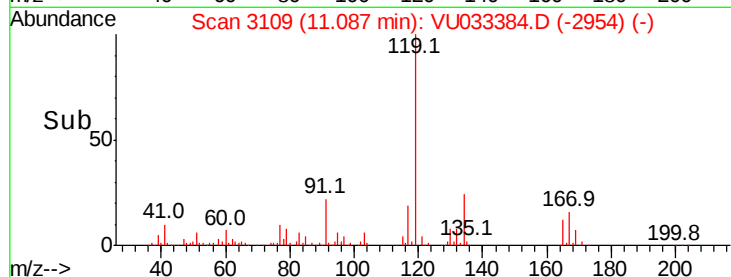
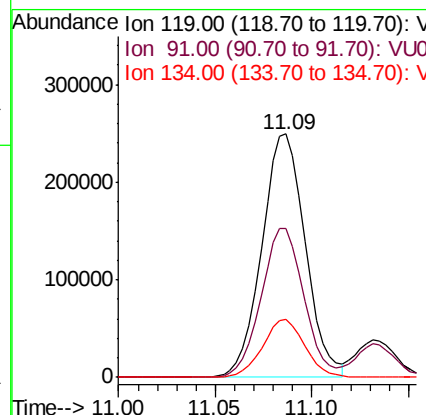
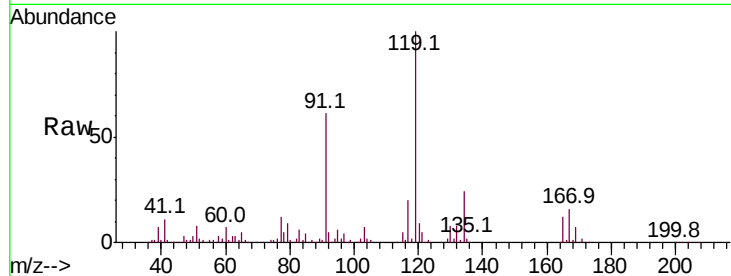
#77
tert-Butylbenzene
Concen: 11.644 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	30.4	91.3
134	23.3	18.5	27.7

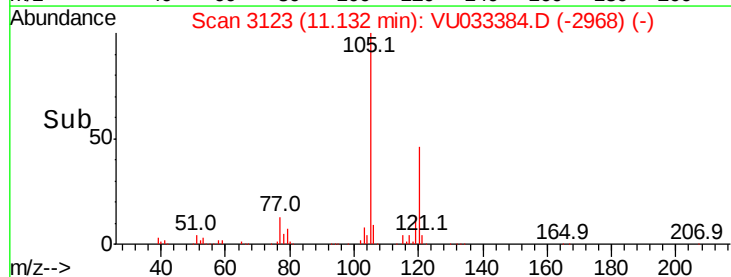
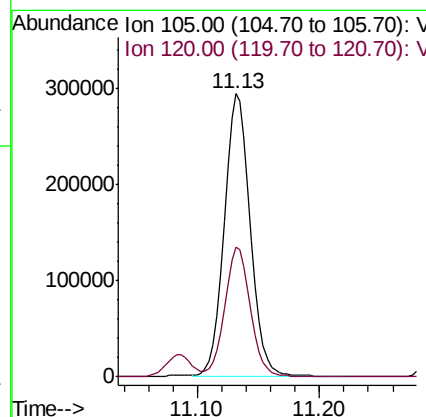
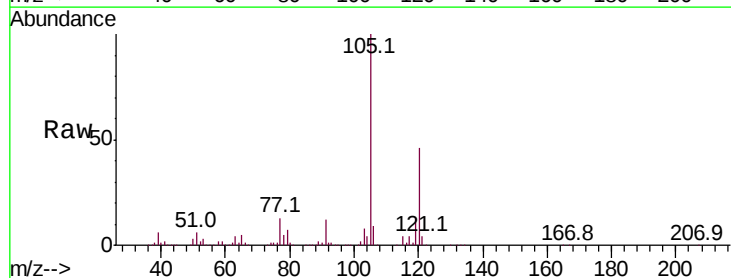
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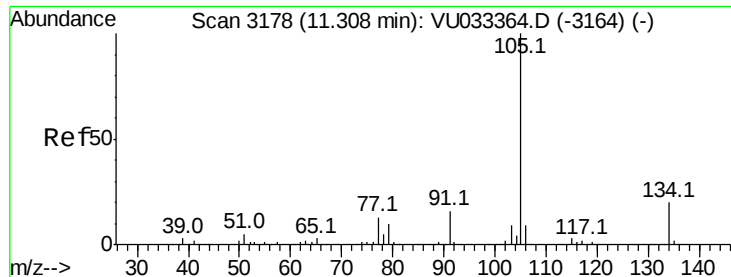
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#78
1,2,4-Trimethylbenzene
Concen: 12.266 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.5	67.5





#79

sec-Butylbenzene

Concen: 11.841 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 544397

Ion Ratio Lower Upper

105 100

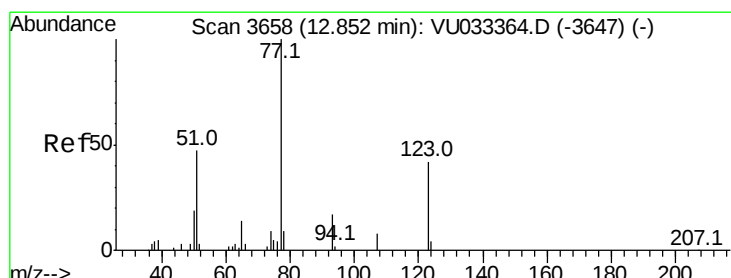
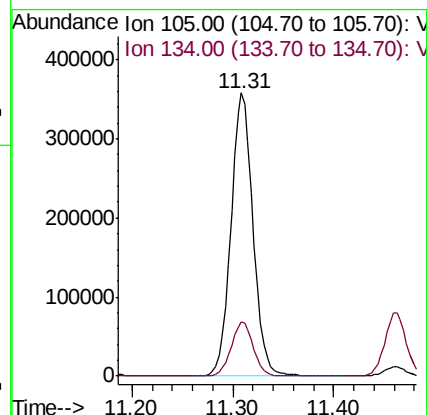
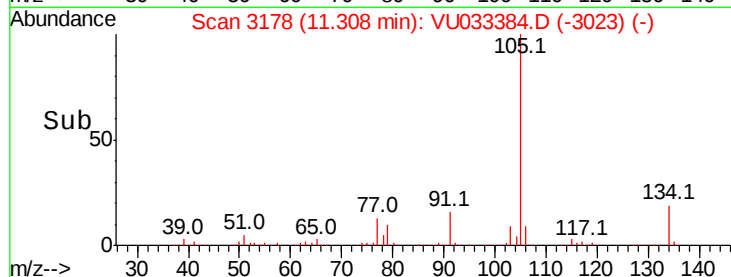
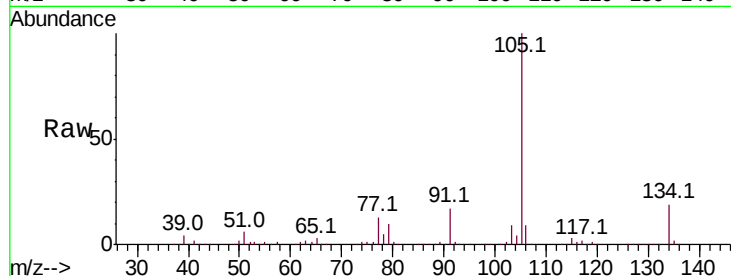
134 19.4 15.5 23.3

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#80

Nitrobenzene

Concen: 34.983 ug/l m

RT: 12.85 min Scan# 3658

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

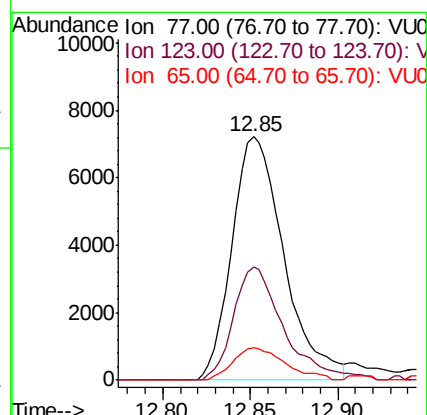
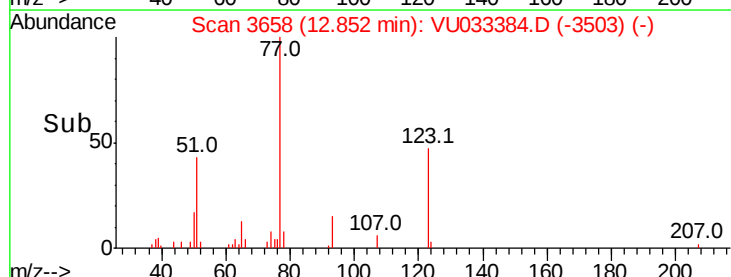
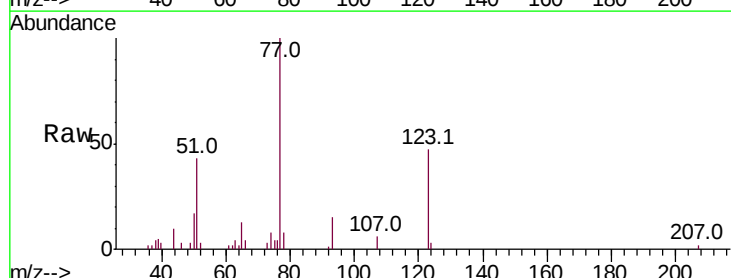
Tgt Ion: 77 Resp: 14907

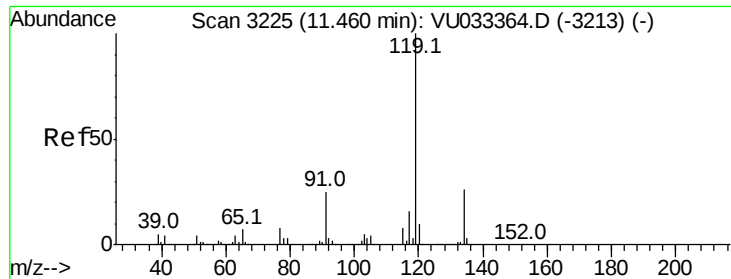
Ion Ratio Lower Upper

77 100

123 44.8 19.3 68.3

65 13.3 10.1 12.9#





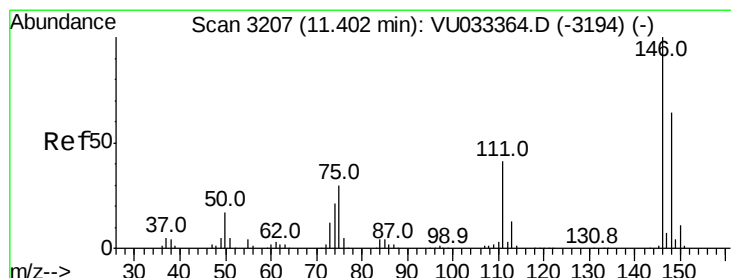
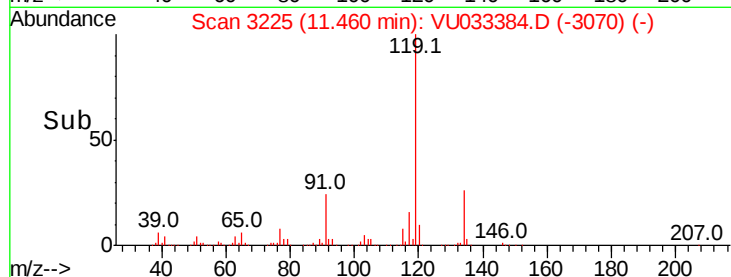
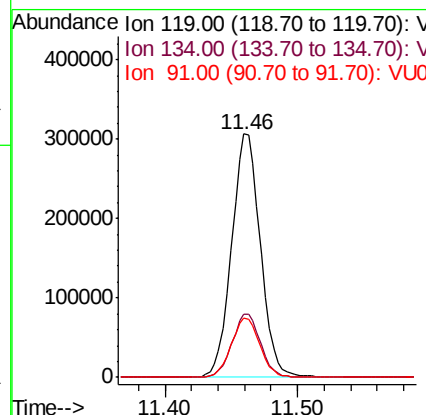
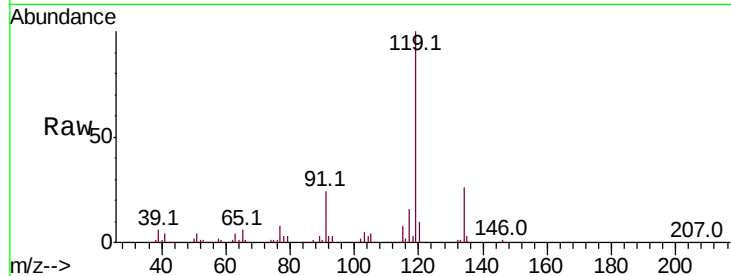
#81
 p-Isopropyltoluene
 Concen: 12.278 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	458936		
134	26.1		21.0	31.4
91	24.5		19.8	29.6

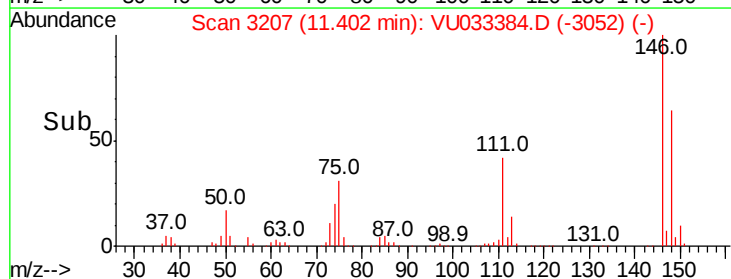
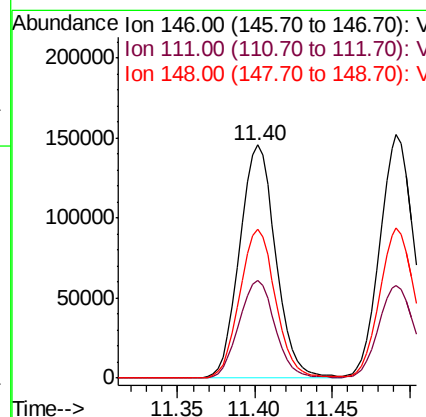
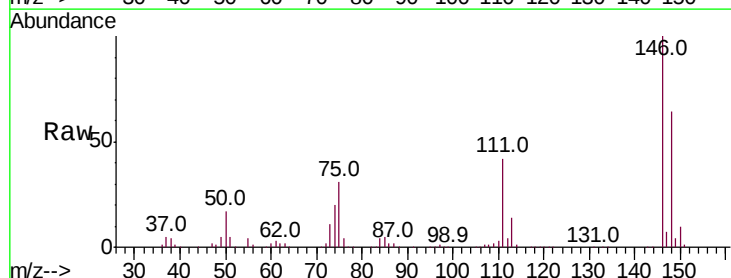
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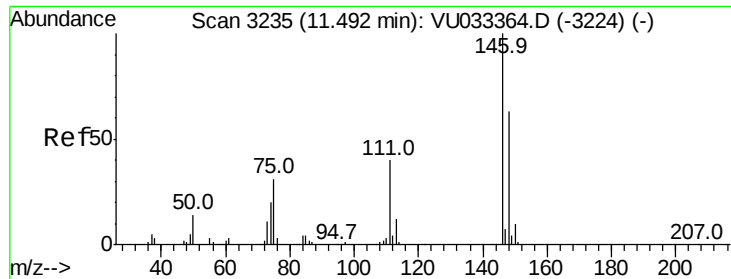
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#82
 1,3-Dichlorobenzene
 Concen: 10.709 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236042		
111	42.0		33.3	49.9
148	63.4		50.8	76.2





#83

1,4-Dichlorobenzene

Concen: 10.979 ug/l

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

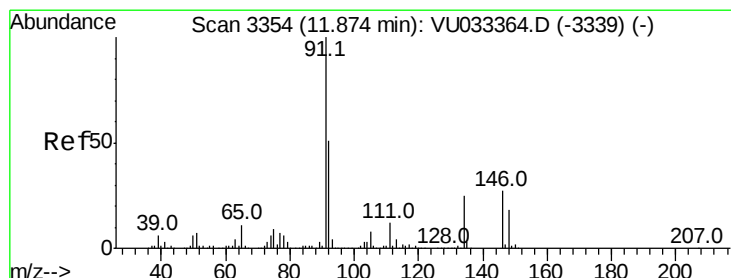
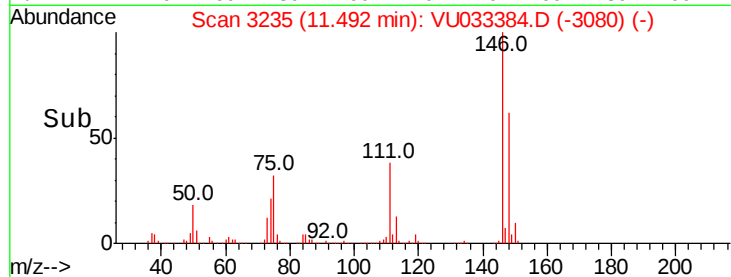
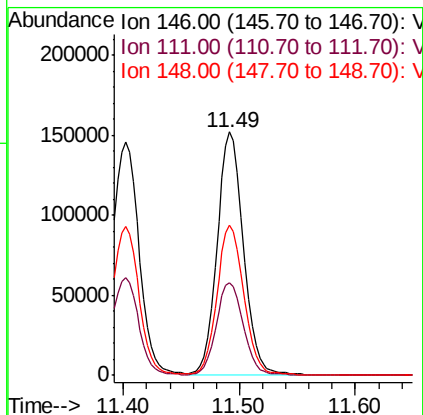
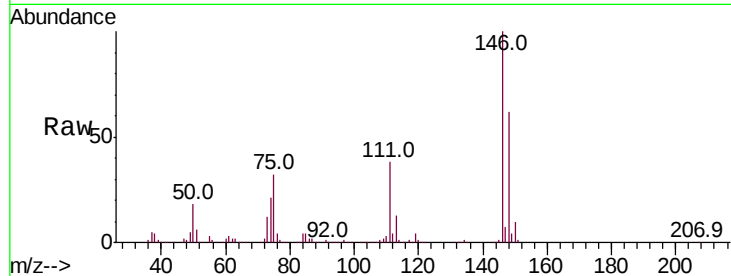
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	239403
Ion Ratio	Lower	Upper	
146	100		
111	39.3	32.2	48.4
148	63.1	51.0	76.4

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#84

n-Butylbenzene

Concen: 11.919 ug/l

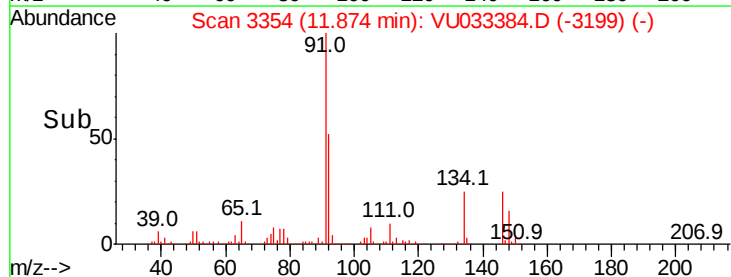
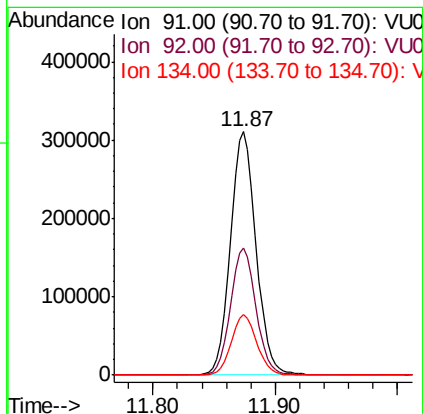
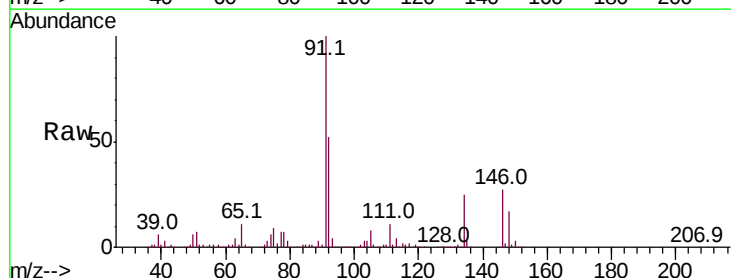
RT: 11.87 min Scan# 3354

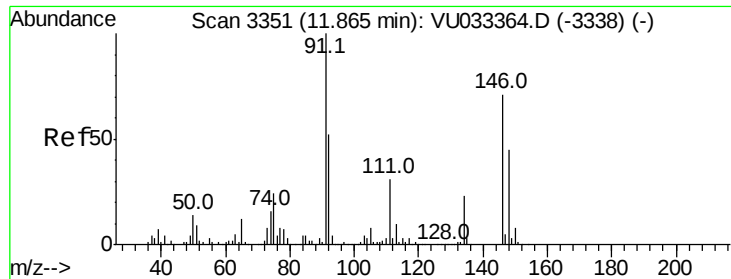
Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Tgt Ion:	91	Resp:	455914
Ion Ratio	Lower	Upper	
91	100		
92	51.9	41.0	61.6
134	24.7	19.5	29.3





#85

1,2-Dichlorobenzene

Concen: 10.665 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 220412

Ion Ratio Lower Upper

146 100

111 42.8 21.7 65.1

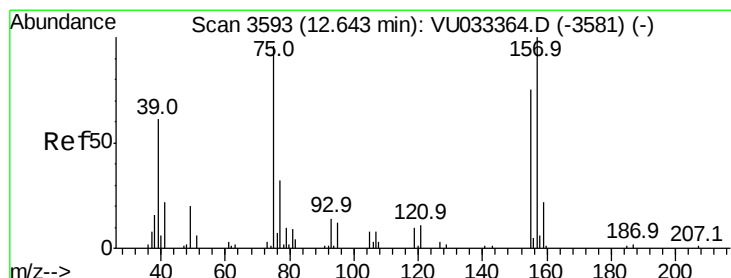
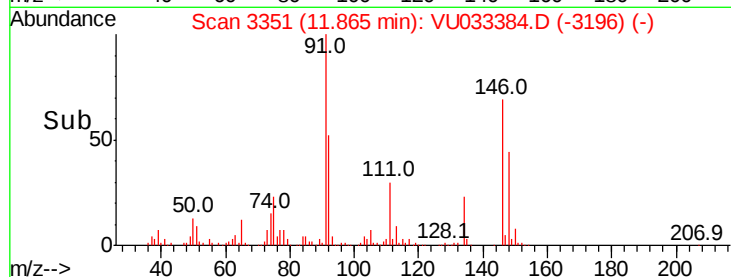
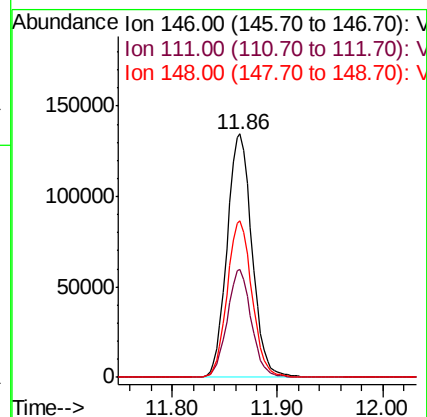
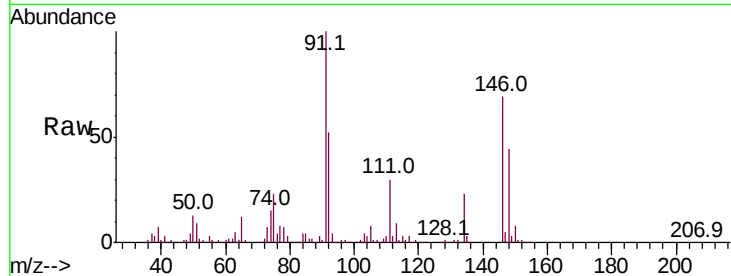
148 63.8 32.0 96.0

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#86

1,2-Dibromo-3-Chloropropane

Concen: 9.903 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033384.D

Acq: 23 Jul 2019 16:25

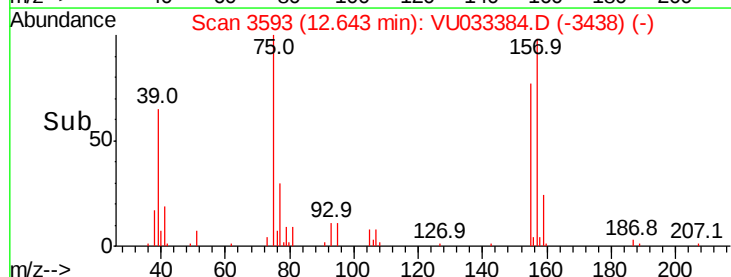
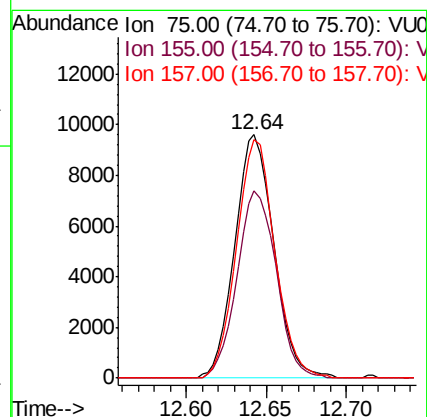
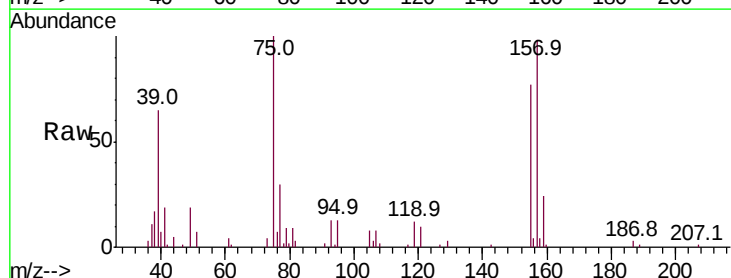
Tgt Ion: 75 Resp: 15969

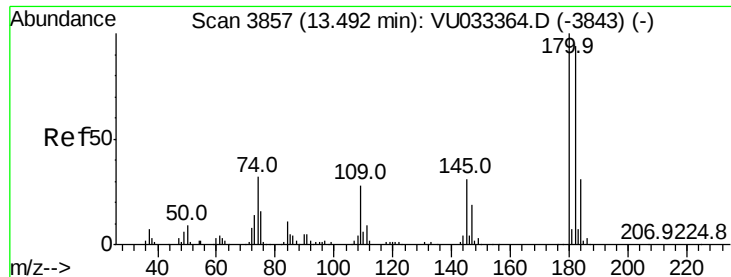
Ion Ratio Lower Upper

75 100

155 77.1 63.3 94.9

157 96.1 82.5 123.7





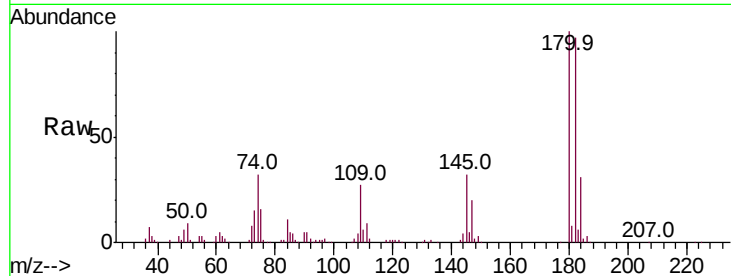
#87
 1,2,4-Trichlorobenzene
 Concen: 11.090 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

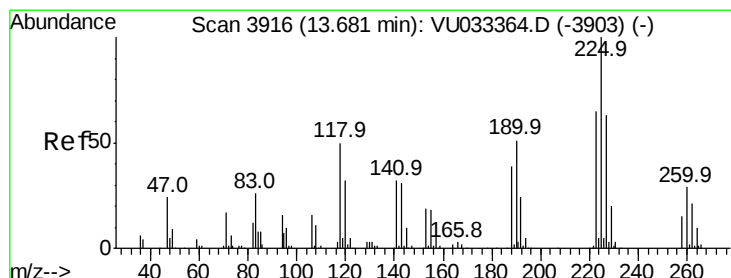
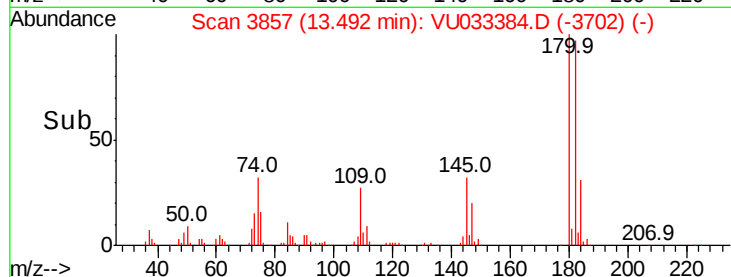
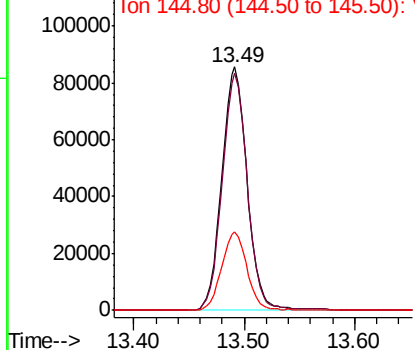
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	76.2	114.4	
145	31.9	25.0	37.4	

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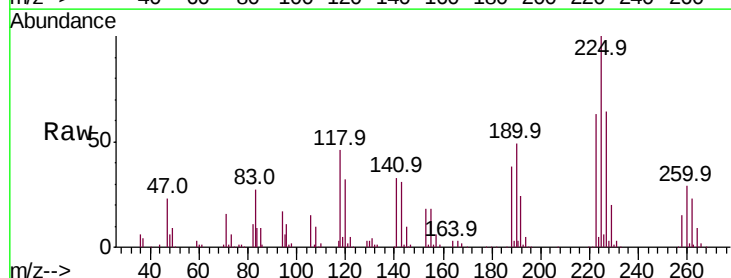


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

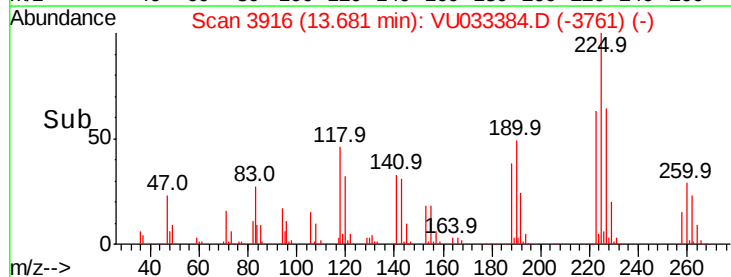
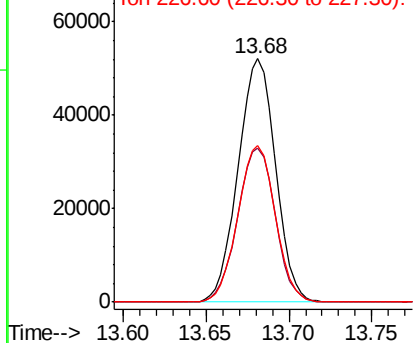


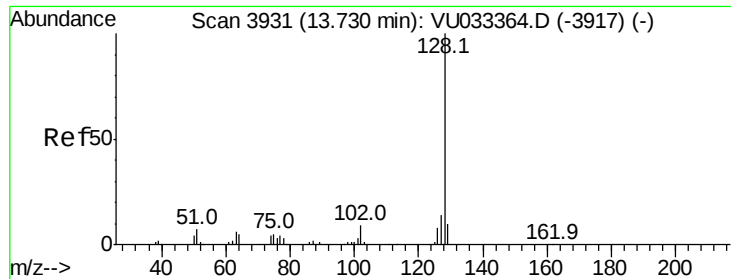
#88
 Hexachlorobutadiene
 Concen: 10.797 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033384.D
 Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	52.2	78.4	
227	64.1	51.7	77.5	



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





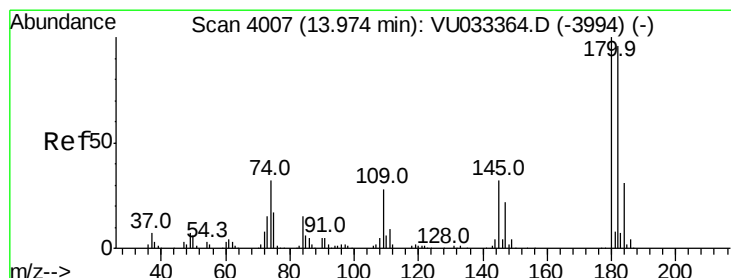
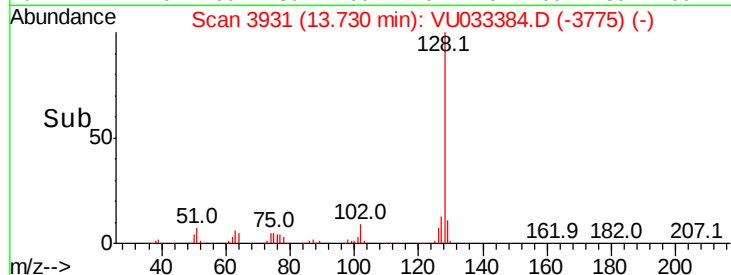
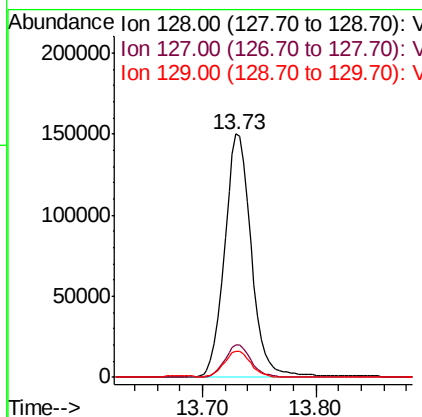
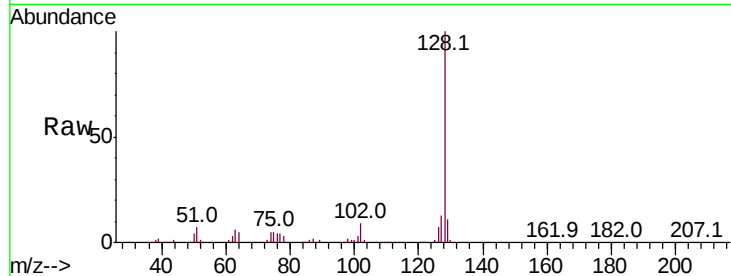
#89
Naphthalene
Concen: 8.909 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	10.8	8.5	12.7

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#90
1,2,3-Trichlorobenzene
Concen: 11.449 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033384.D
Acq: 23 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.9	116.9
145	32.4	25.8	38.8

