

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072219\
 Data File : VU033360.D
 Acq On : 22 Jul 2019 17:46
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 8:54:35 AM

Quant Time: Jul 23 02:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 01:45:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	27182	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	10753	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	10250	1.12	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	5970	0.492	ug/l	95
3) Chloromethane	1.32	50	6553	0.458	ug/l	98
4) Vinyl Chloride	1.40	62	7609	0.546	ug/l	100
5) Bromomethane	1.62	94	4663	0.659	ug/l	99
6) Chloroethane	1.69	64	4493	0.549	ug/l	95
7) Trichlorofluoromethane	1.88	101	10298	0.628	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5523	0.680	ug/l	97
9) 1,1-Dichloroethene	2.27	96	5022	0.622	ug/l	93
10) Iodomethane	2.40	142	6290	0.682	ug/l	96
11) Allyl Chloride	2.58	41	8770	0.520	ug/l	99
12) Acrylonitrile	2.92	53	3020	1.252	ug/l	97
13) Acetone	2.31	43	7301	3.363	ug/l	99
14) Carbon Disulfide	2.46	76	20686	0.670	ug/l	99
15) Methylene Chloride	2.68	84	8913	0.870	ug/l	94
16) trans-1,2-Dichloroethene	2.96	96	6391	0.705	ug/l	84
17) 1,1-Dichloroethane	3.42	63	8546	0.483	ug/l	98
18) 2-Butanone	4.26	43	4874m	1.803	ug/l	
19) Cyclohexane	4.97	56	5648m	0.420	ug/l	
20) Methylcyclohexane	6.40	83	5526	0.495	ug/l	97
21) 2,2-Dichloropropane	4.20	77	7961	0.607	ug/l #	87
22) cis-1,2-Dichloroethene	4.20	96	4600	0.499	ug/l	94
23) Diethyl Ether	2.09	59	4321	0.568	ug/l	95
24) tert-Butyl Alcohol	2.82	59	9269	11.216	ug/l #	91
25) Methyl tert-Butyl Ether	2.98	73	14267	0.609	ug/l #	91
26) Bromochloromethane	4.52	128	1944	0.497	ug/l	98
27) Chloroform	4.65	83	10923	0.654	ug/l	93
28) 1,1,1-Trichloroethane	4.89	97	7190	0.509	ug/l	98
29) 1,1-Dichloropropene	5.11	75	5925	0.523	ug/l	97
30) Carbon Tetrachloride	5.11	117	6333	0.524	ug/l	90
31) Isopropyl Ether	3.56	45	10131	0.392	ug/l	96
32) Ethyl-t-butyl ether	4.04	59	9594	0.448	ug/l	95
33) Tert-Amyl methyl ether	5.57	73	7348	0.423	ug/l #	87
34) Propionitrile	4.32	54	1247	1.693	ug/l #	65
35) Benzene	5.37	78	16788	0.485	ug/l	98
36) 1,2-Dichloroethane	5.39	62	5410	0.476	ug/l #	88
37) Trichloroethene	6.17	130	4464	0.519	ug/l	98
38) 1,2-Dichloropropane	6.41	63	4542	0.466	ug/l	98
39) Methacrylonitrile	4.53	41	1169m	0.388	ug/l	
40) Methyl acrylate	4.42	55	1606m	0.402	ug/l	
41) Tetrahydrofuran	4.64	42	1053	0.633	ug/l #	87
42) 1-Chlorobutane	5.04	56	7596	0.449	ug/l	93

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Manual Integrations
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Quant Time: Jul 23 02:11:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.55	93	2397	0.489	ug/l	95
44) Bromodichloromethane	6.74	83	6323	0.524	ug/l	98
45) 4-Methyl-2-Pentanone	7.45	43	10329	1.813	ug/l	96
46) t-1,4-Dichloro-2-butene	10.51	75	1545m	0.837	ug/l	
47) Methyl methacrylate	6.61	69	3225	0.861	ug/l #	94
48) Ethyl methacrylate	8.01	69	2576	0.395	ug/l	99
49) Toluene	7.62	92	8080	0.443	ug/l	85
50) t-1,3-Dichloropropene	7.87	75	4423	0.462	ug/l	92
51) cis-1,3-Dichloropropene	7.25	75	5893	0.510	ug/l	96
52) 1,1,2-Trichloroethane	8.05	97	3326	0.517	ug/l	94
53) 1,3-Dichloropropane	8.23	76	5245	0.471	ug/l	98
54) 2-Hexanone	8.36	43	7324	1.898	ug/l	91
55) Dibromochloromethane	8.46	129	3955	0.544	ug/l	100
56) 1,2-Dibromoethane	8.57	107	2985	0.518	ug/l	96
58) Tetrachloroethene	8.21	164	4053	0.491	ug/l	92
59) Chlorobenzene	9.11	112	9935	0.511	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	4116	0.546	ug/l	96
61) Pentachloroethane	11.09	117	3568	0.648	ug/l	91
62) Hexachloroethane	12.13	117	3410	0.634	ug/l	89
63) Ethyl Benzene	9.23	91	14993	0.474	ug/l	96
64) m/p-Xylenes	9.36	106	11415	0.955	ug/l	95
65) o-Xylene	9.76	106	6018	0.517	ug/l	91
66) Styrene	9.78	104	8777	0.454	ug/l	97
67) Bromoform	9.95	173	1835	0.452	ug/l #	93
69) Isopropylbenzene	10.15	105	14432	0.476	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.44	83	4337	0.522	ug/l #	99
71) 1,2,3-Trichloropropane	10.48	75	3640m	0.600	ug/l	
72) Bromobenzene	10.44	156	4081	0.527	ug/l	91
73) n-propylbenzene	10.57	120	3910	0.490	ug/l	82
74) 2-Chlorotoluene	10.65	126	3683	0.487	ug/l	97
75) 1,3,5-Trimethylbenzene	10.76	105	12013	0.460	ug/l	97
76) 4-Chlorotoluene	10.76	126	3893	0.523	ug/l	93
77) tert-Butylbenzene	11.09	119	12707	0.518	ug/l	95
78) 1,2,4-Trimethylbenzene	11.13	105	12271	0.464	ug/l	96
79) sec-Butylbenzene	11.31	105	16272	0.486	ug/l	100
81) p-Isopropyltoluene	11.46	119	12958	0.490	ug/l	96
82) 1,3-Dichlorobenzene	11.40	146	9234	0.596	ug/l	97
83) 1,4-Dichlorobenzene	11.49	146	8657	0.579	ug/l	99
84) n-Butylbenzene	11.88	91	13950	0.545	ug/l	95
85) 1,2-Dichlorobenzene	11.87	146	8429	0.571	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	603	0.499	ug/l	81
87) 1,2,4-Trichlorobenzene	13.49	180	4630	0.604	ug/l	98
88) Hexachlorobutadiene	13.68	225	3401	0.632	ug/l	94
89) Naphthalene	13.73	128	6313	0.470	ug/l #	93
90) 1,2,3-Trichlorobenzene	13.98	180	4256	0.546	ug/l	93

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

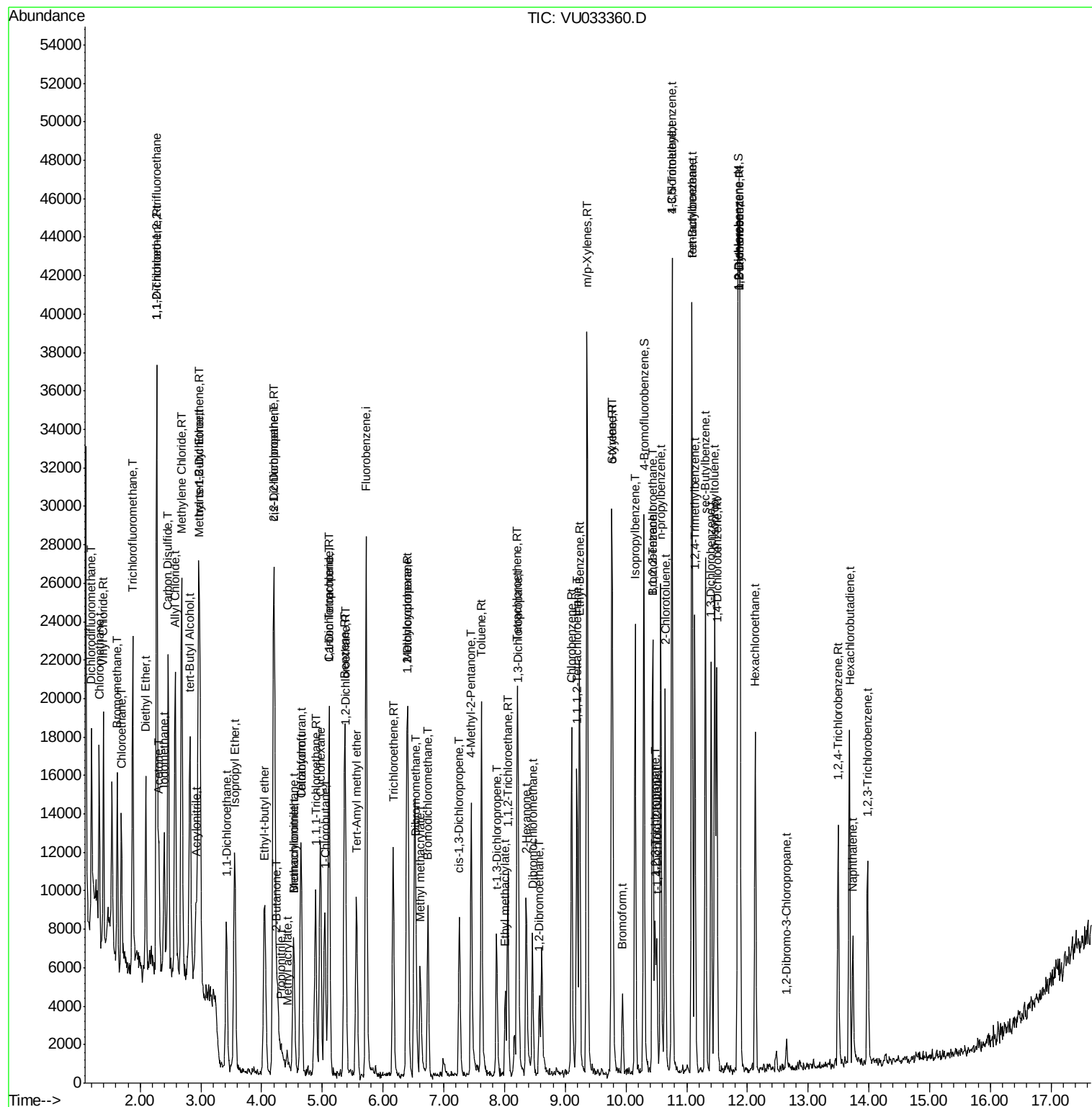
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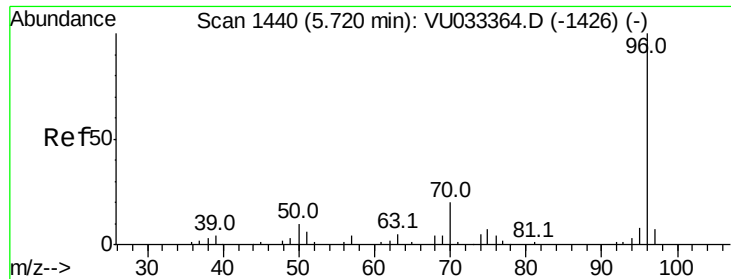
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 27182

Ion Ratio Lower Upper

96 100

70 21.0 16.4 24.6

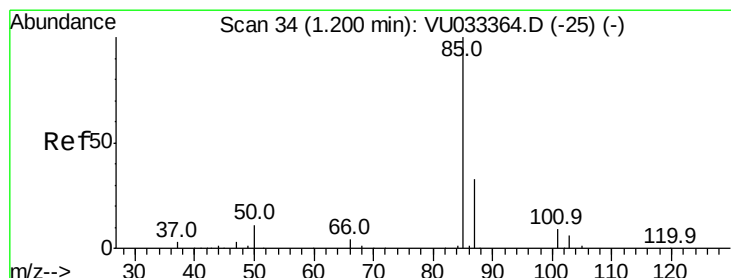
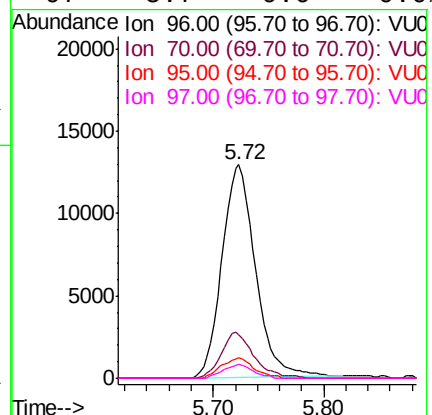
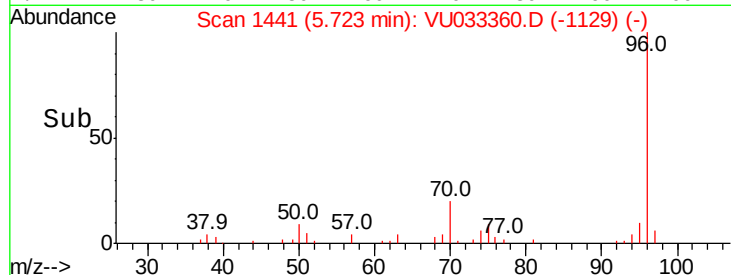
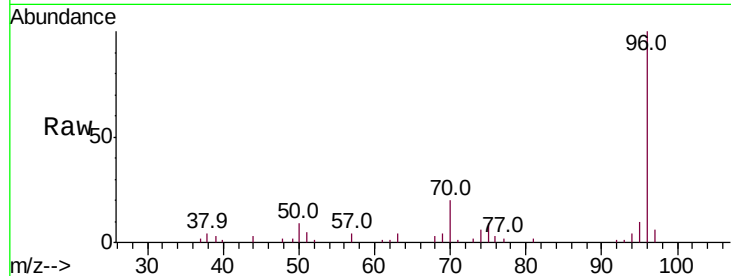
95 9.1 6.7 10.1

97 5.7 0.0 0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.492 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033360.D

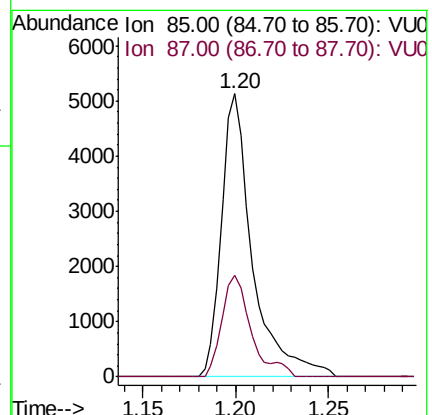
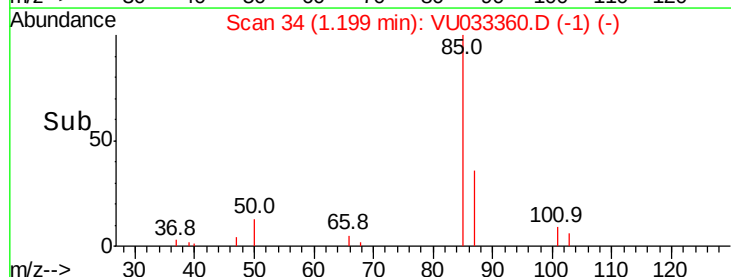
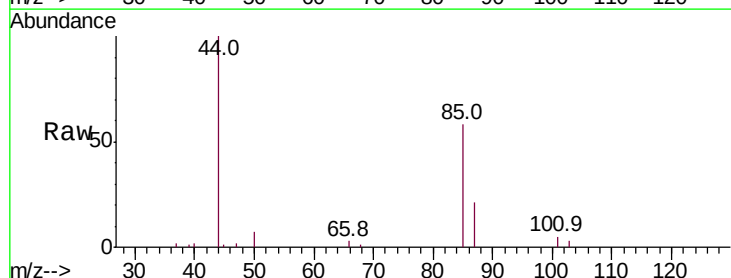
Acq: 22 Jul 2019 17:46

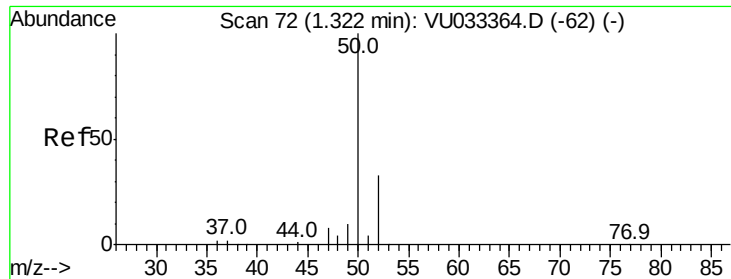
Tgt Ion: 85 Resp: 5970

Ion Ratio Lower Upper

85 100

87 35.7 16.6 49.7





#3

Chloromethane

Concen: 0.458 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 6553

Ion Ratio Lower Upper

50 100

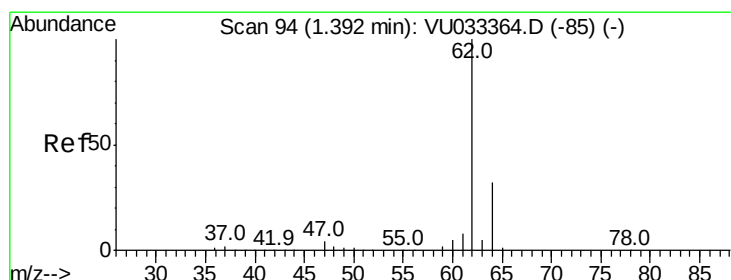
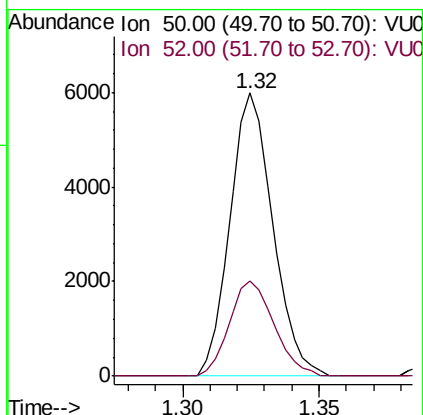
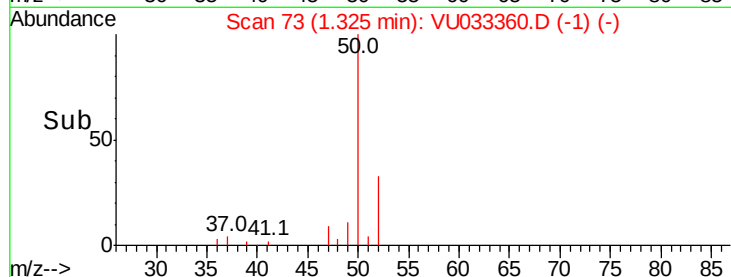
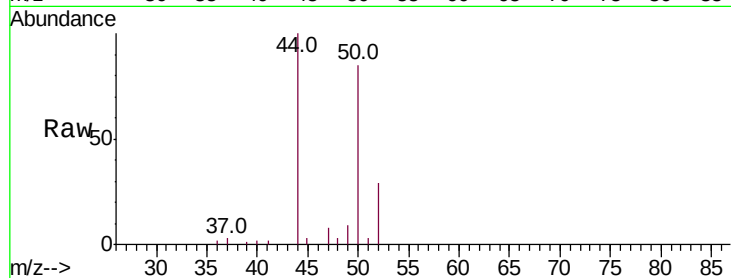
52 33.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.546 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033360.D

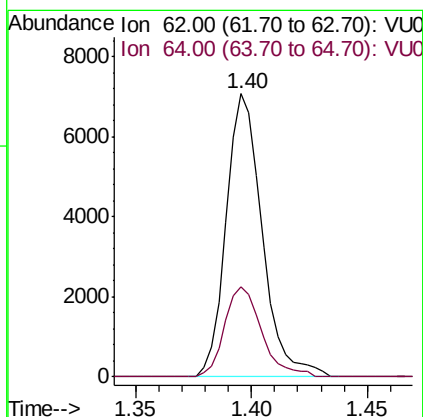
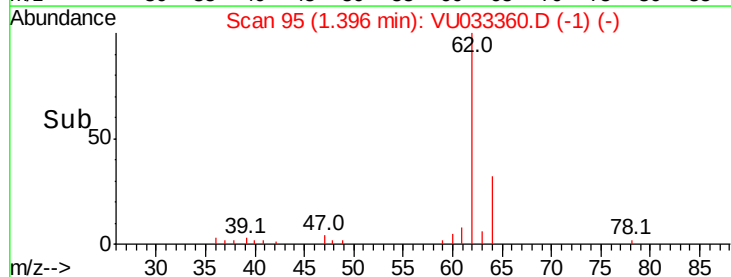
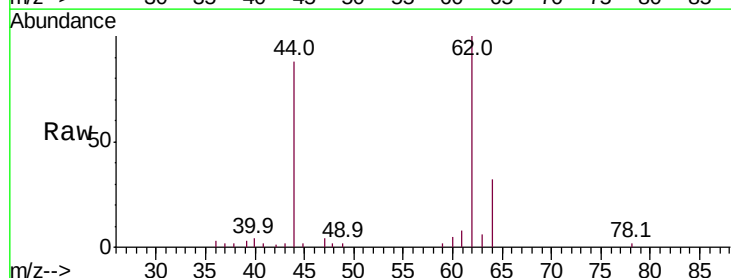
Acq: 22 Jul 2019 17:46

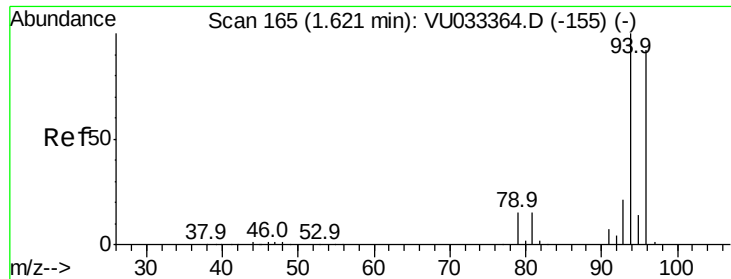
Tgt Ion: 62 Resp: 7609

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





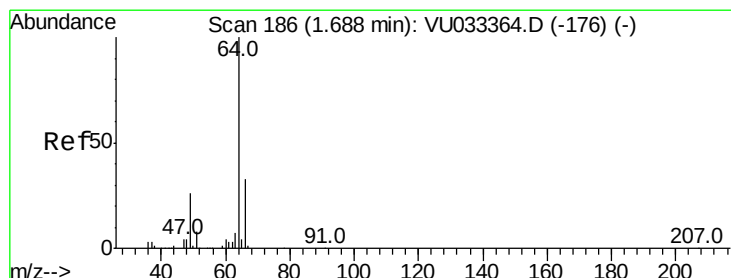
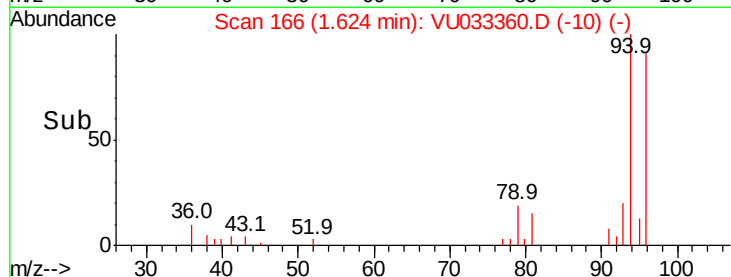
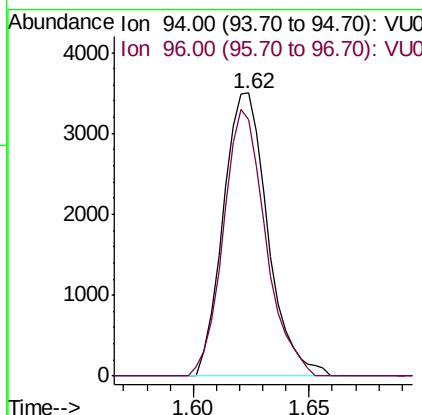
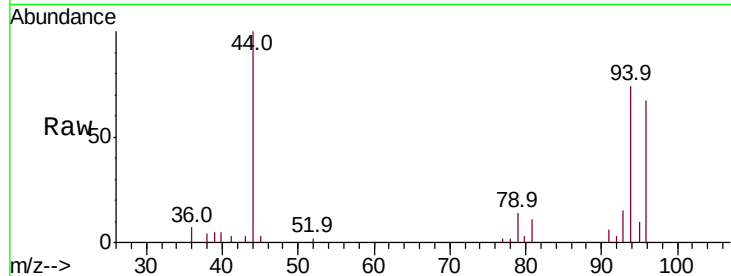
#5
Bromomethane
Concen: 0.659 ug/l
RT: 1.62 min Scan# 166
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 94 Resp: 4663
Ion Ratio Lower Upper
94 100
96 90.5 73.2 109.8

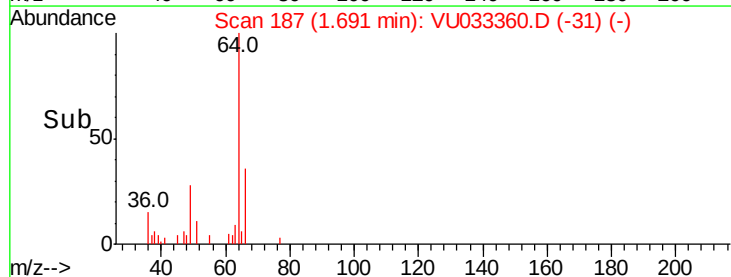
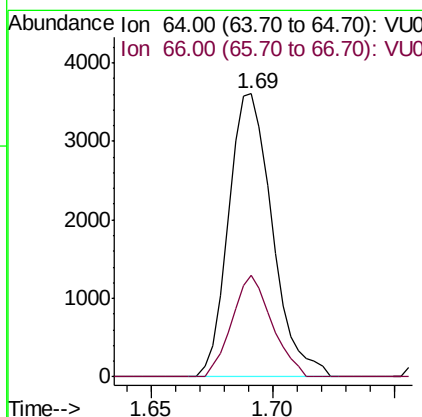
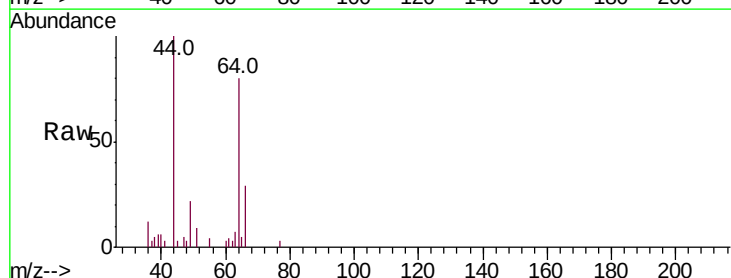
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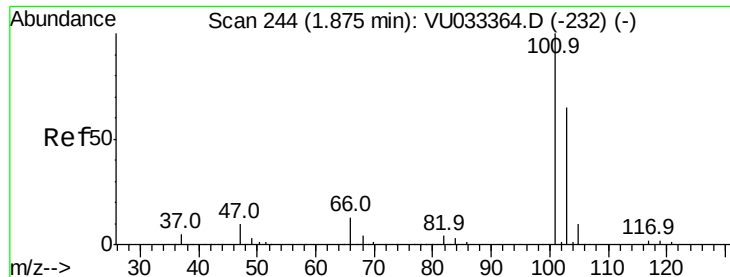
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#6
Chloroethane
Concen: 0.549 ug/l
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 64 Resp: 4493
Ion Ratio Lower Upper
64 100
66 35.7 26.4 39.6





#7

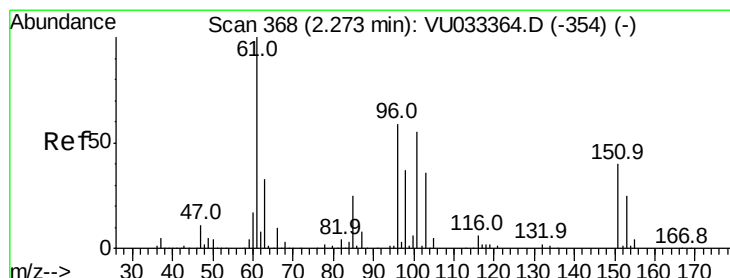
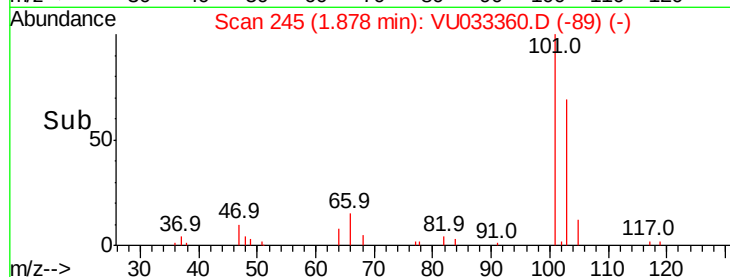
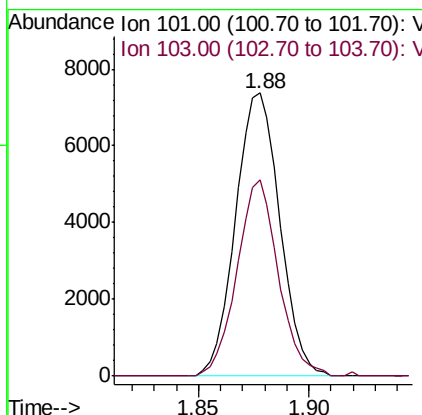
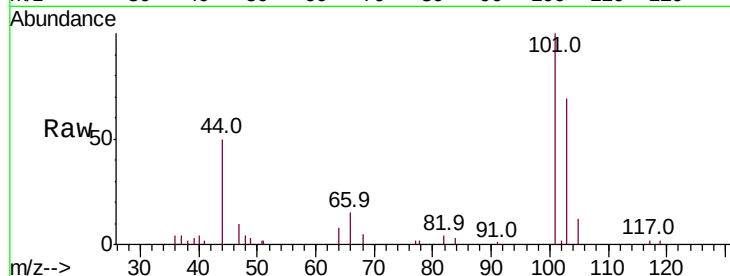
Trichlorofluoromethane
 Concen: 0.628 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.2	52.2	78.2

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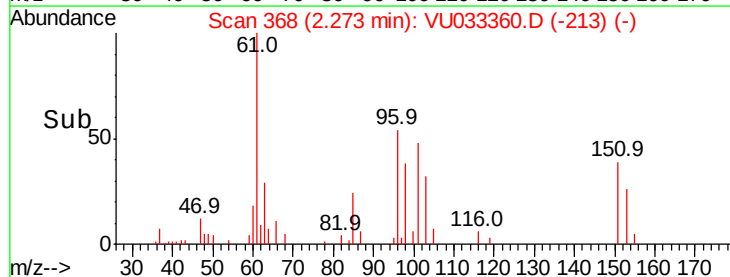
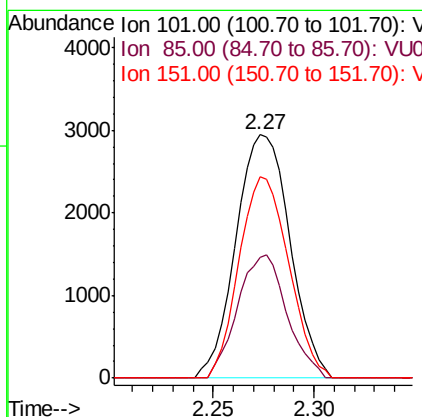
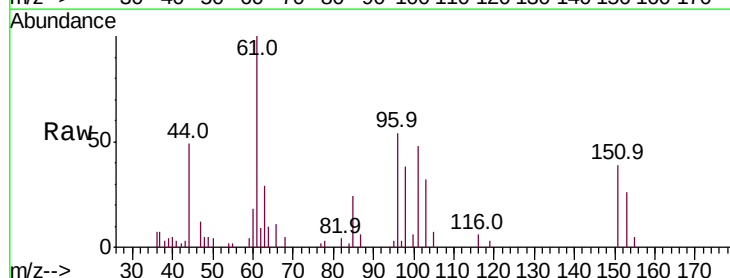
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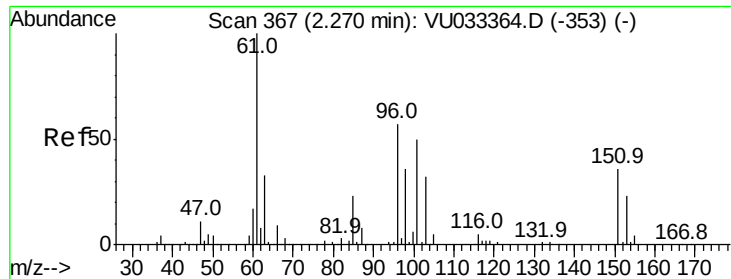


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.680 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.3	37.5	56.3
151	76.2	58.3	87.5





#9

1,1-Dichloroethene

Concen: 0.622 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

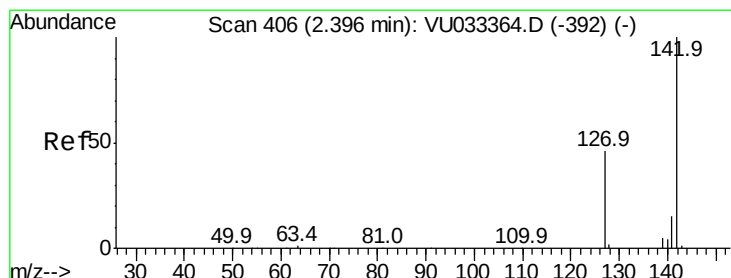
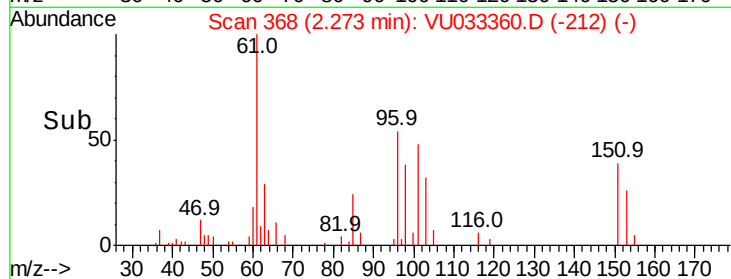
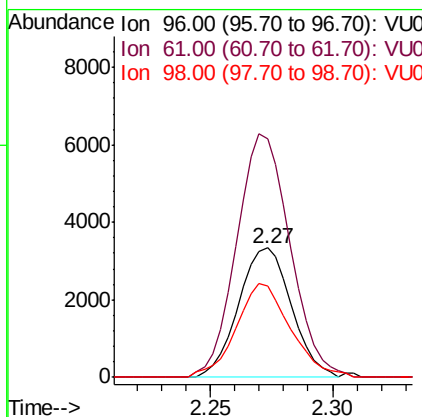
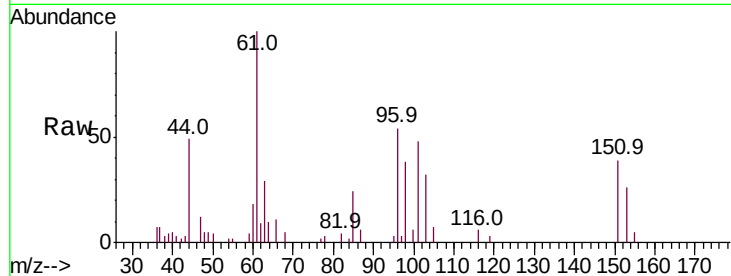
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	5022
Ion	Ratio	Lower	Upper
96	100		
61	184.8	0.0	525.6
98	70.2	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 0.682 ug/l

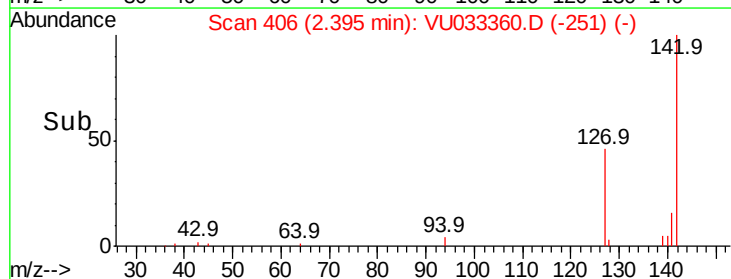
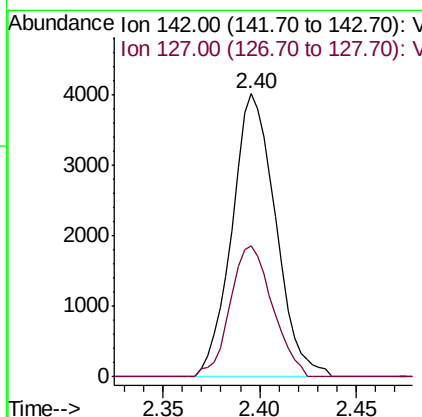
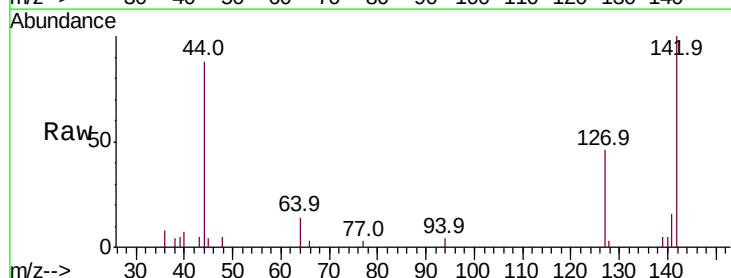
RT: 2.40 min Scan# 406

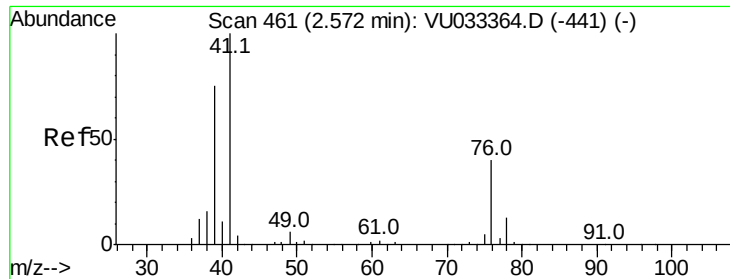
Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	142	Resp:	6290
Ion	Ratio	Lower	Upper
142	100		
127	44.8	37.8	56.6





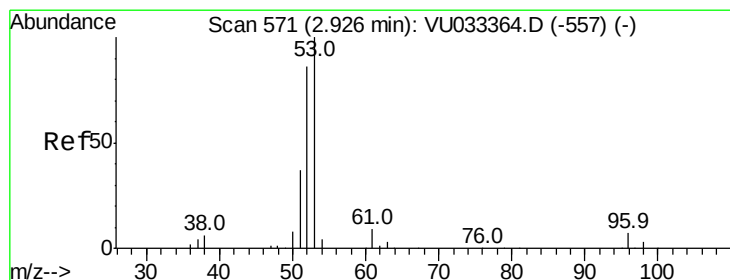
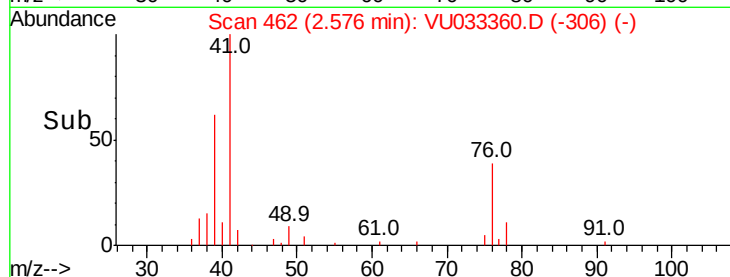
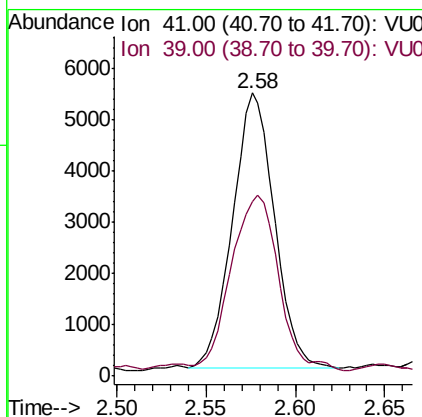
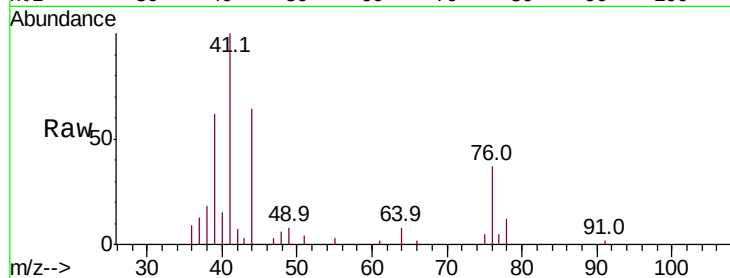
#11
Allvl Chloride
Concen: 0.520 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 41 Resp: 8770
Ion Ratio Lower Upper
41 100
39 72.6 58.7 88.1

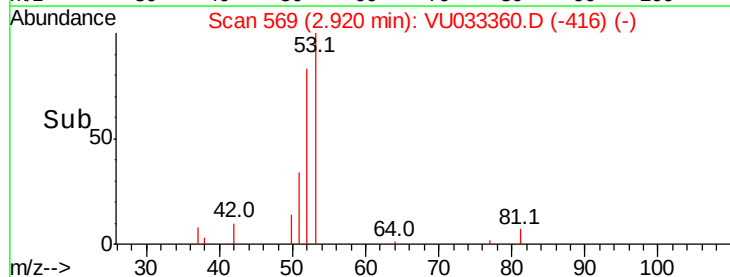
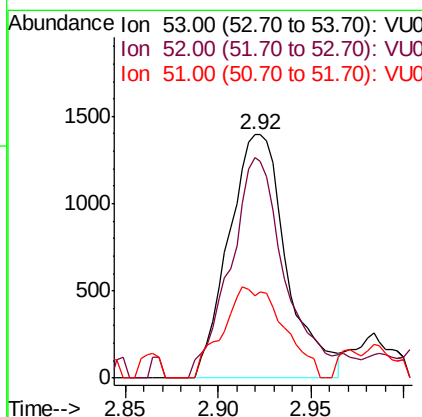
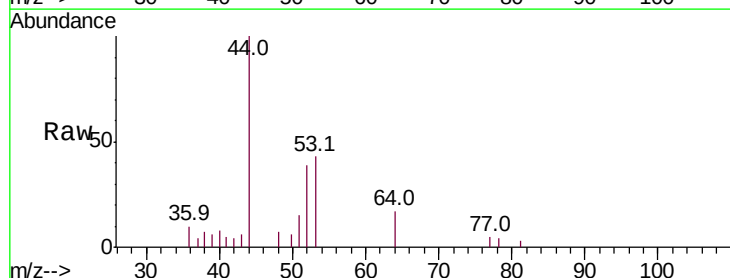
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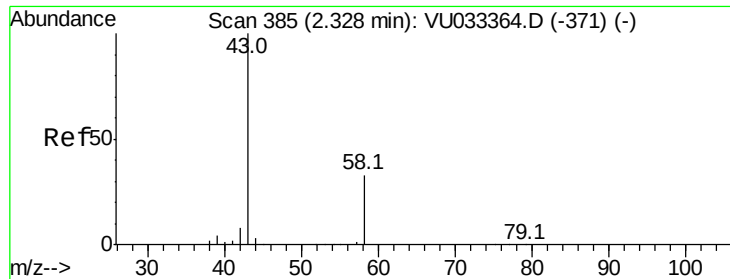
MMDadoda
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#12
Acrylonitrile
Concen: 1.252 ug/l
RT: 2.92 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 53 Resp: 3020
Ion Ratio Lower Upper
53 100
52 89.2 69.8 104.8
51 39.5 29.1 43.7





#13

Acetone

Concen: 3.363 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 7301

Ion Ratio Lower Upper

43 100

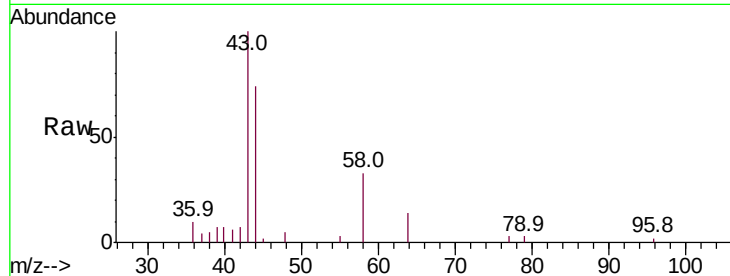
58 33.4 26.3 39.5

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Abundance Ion 43.00 (42.70 to 43.70): VU033360.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033360.D (-371) (-)

2.31

4000

3000

2000

1000

0

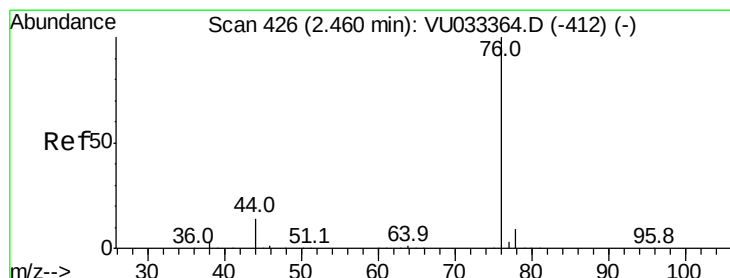
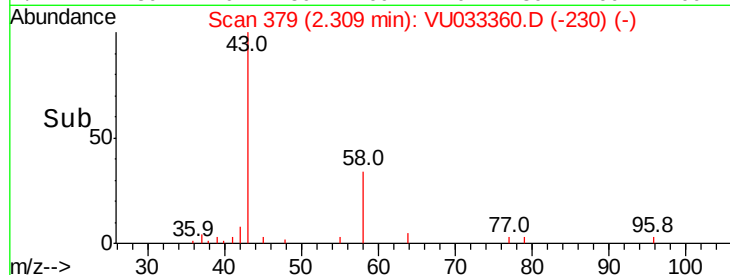
Time-->

2.20

2.25

2.30

2.35



#14

Carbon Disulfide

Concen: 0.670 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033360.D

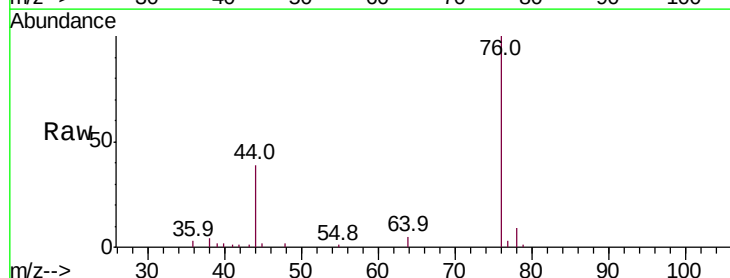
Acq: 22 Jul 2019 17:46

Tgt Ion: 76 Resp: 20686

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033360.D (-412) (-)

Ion 78.00 (77.70 to 78.70): VU033360.D (-412) (-)

2.46

15000

10000

5000

0

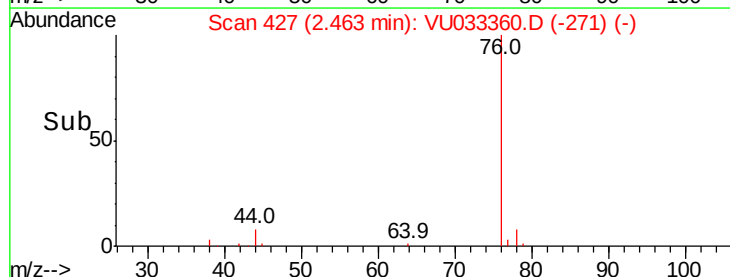
Time-->

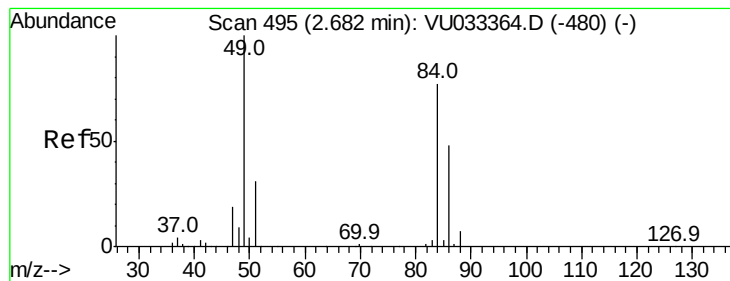
2.40

2.45

2.50

2.55





#15

Methylene Chloride

Concen: 0.870 ug/l

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 84 Resp: 8913

Ion Ratio Lower Upper

84 100

49 121.1 103.5 155.3

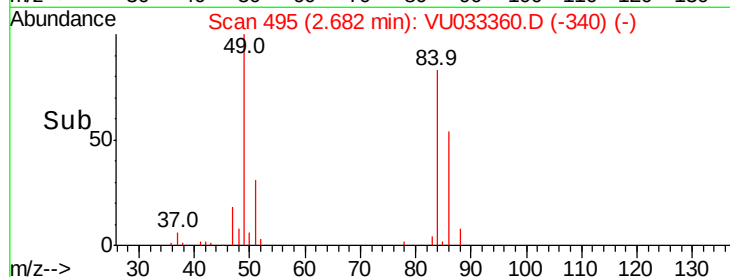
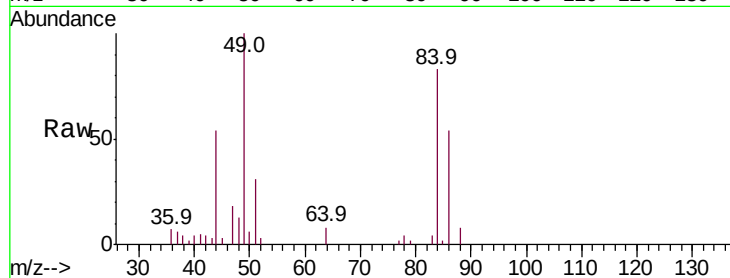
51 38.1 0.0 80.4

86 65.3 50.1 75.1

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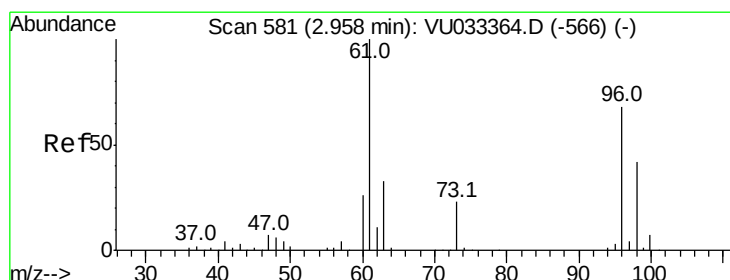
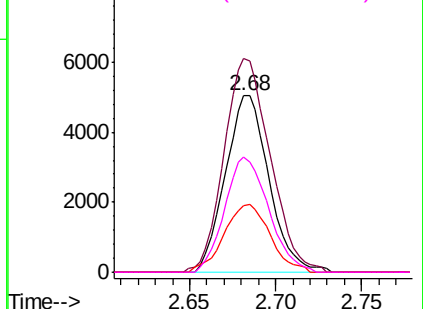


Abundance Ion 84.00 (83.70 to 84.70): VU033360.D (-340) (-)

Ion 49.00 (48.70 to 49.70): VU033360.D (-340) (-)

Ion 51.00 (50.70 to 51.70): VU033360.D (-340) (-)

Ion 86.00 (85.70 to 86.70): VU033360.D (-340) (-)



#16

trans-1,2-Dichloroethene

Concen: 0.705 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

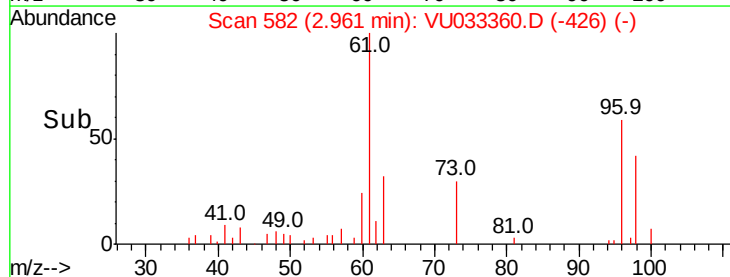
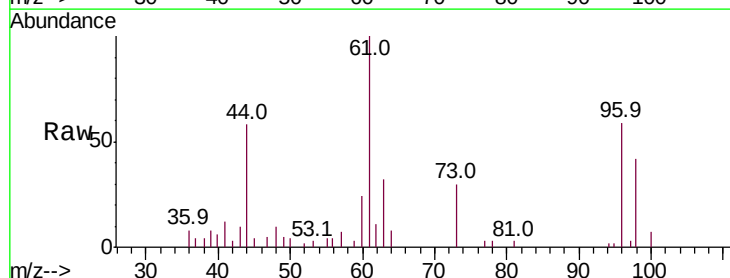
Tgt Ion: 96 Resp: 6391

Ion Ratio Lower Upper

96 100

61 169.2 118.0 177.0

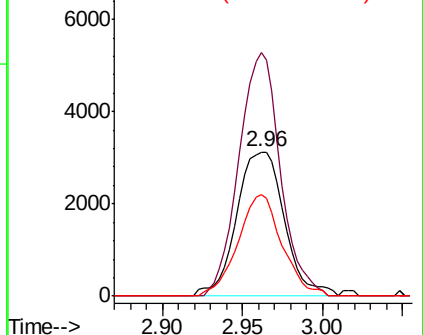
98 70.7 49.4 74.2

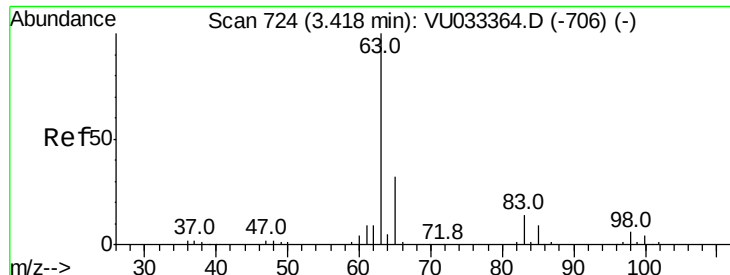


Abundance Ion 96.00 (95.70 to 96.70): VU033360.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VU033360.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VU033360.D (-426) (-)





#17

1,1-Dichloroethane

Concen: 0.483 ug/l

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

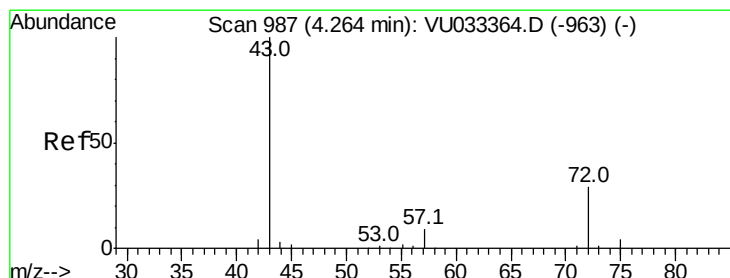
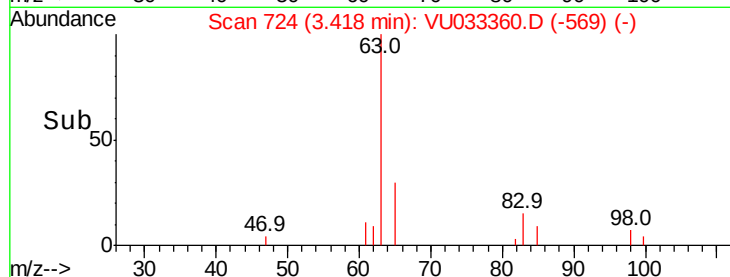
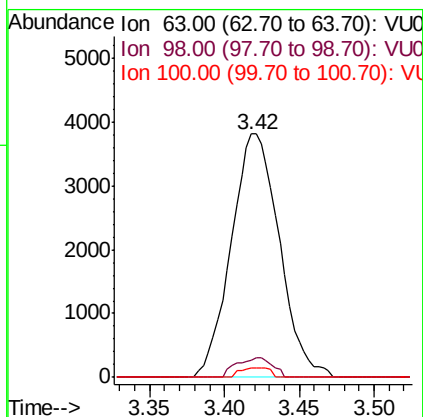
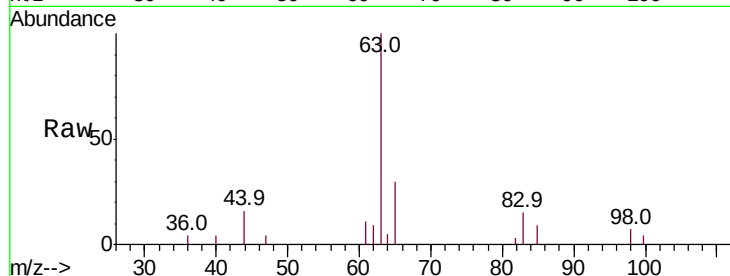
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	8546
Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.2	9.6
100	3.8	2.1	6.2

Manual Integrations
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#18

2-Butanone

Concen: 1.803 ug/l m

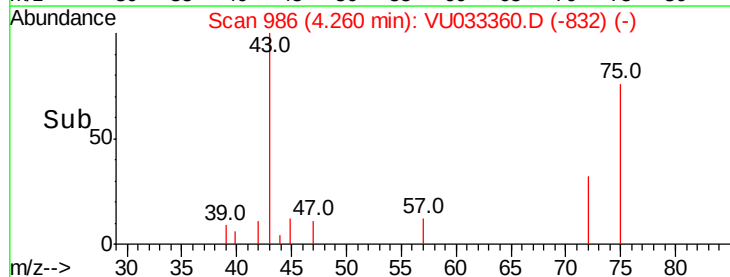
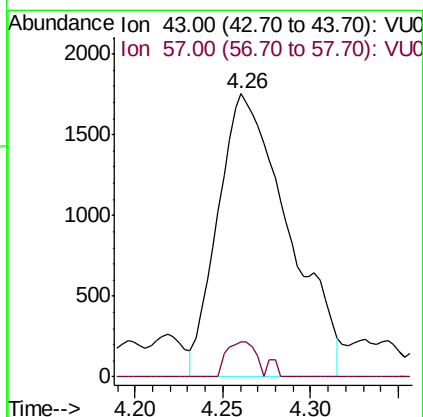
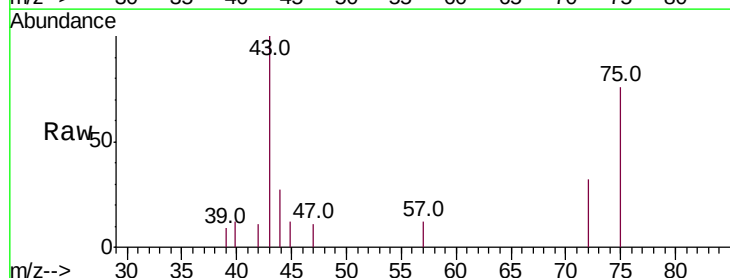
RT: 4.26 min Scan# 986

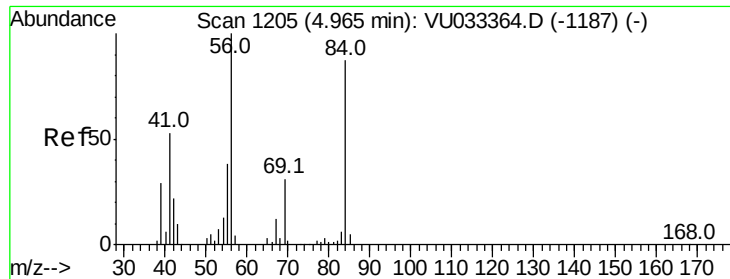
Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	43	Resp:	4874
Ion	Ratio	Lower	Upper
43	100		
57	12.5	0.0	17.0





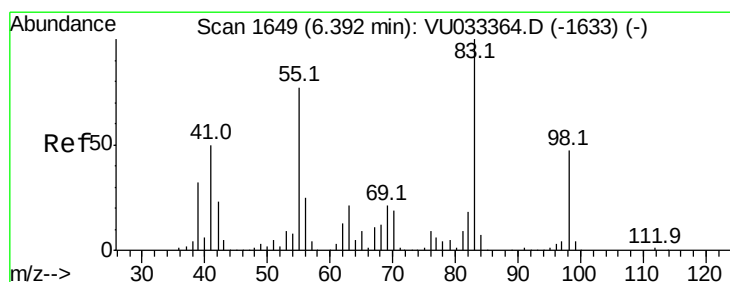
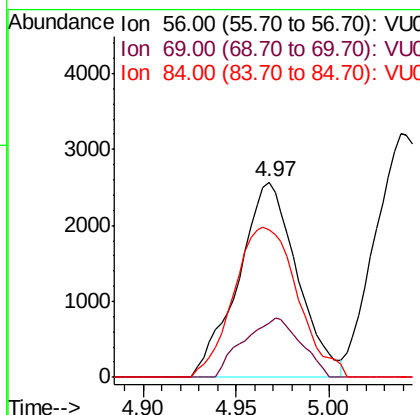
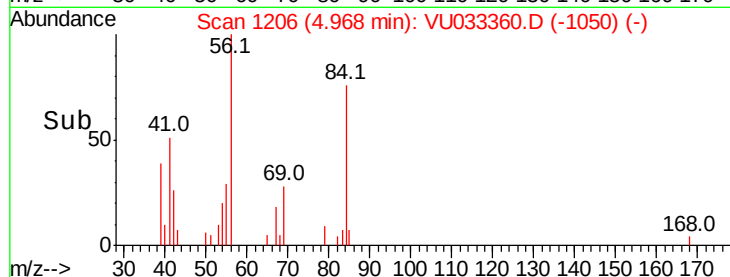
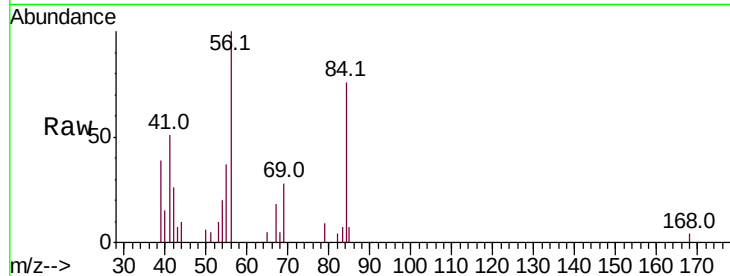
#19
Cyclohexane
Concen: 0.420 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	25.0	37.4
84	83.5	69.8	104.6

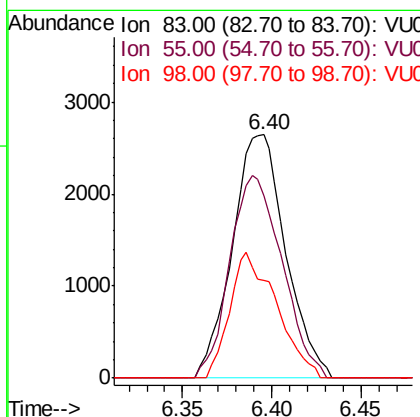
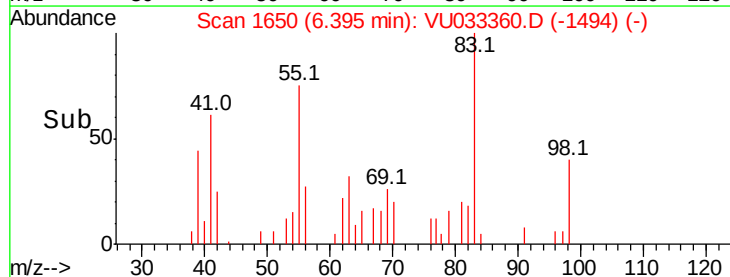
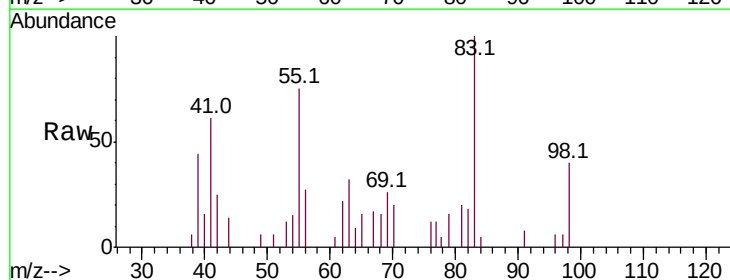
Manual Integrations
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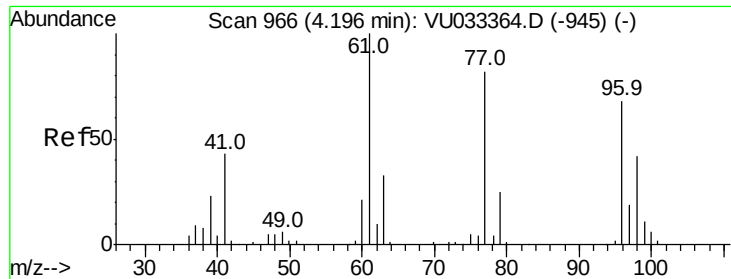
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#20
Methylcyclohexane
Concen: 0.495 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.4	62.3	93.5
98	45.2	37.4	56.0





#21

2,2-Dichloropropane

Concen: 0.607 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 7961

Ion Ratio Lower Upper

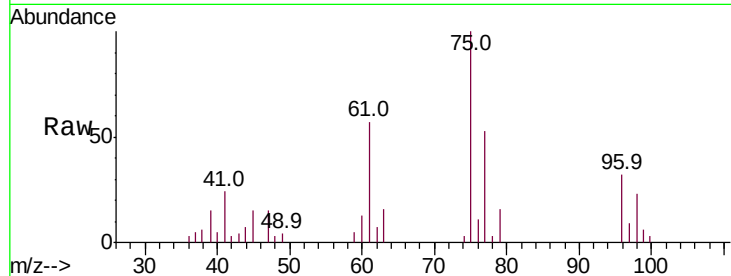
77 100

97 16.3 17.8 26.8#

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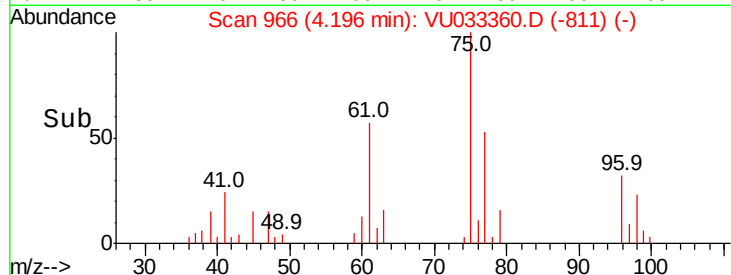
7/23/2019 8:54:35 AM



Abundance Ion 77.00 (76.70 to 77.70): VU033364.D (-945) (-)

Ion 97.00 (96.70 to 97.70): VU033364.D (-945) (-)

Time-->

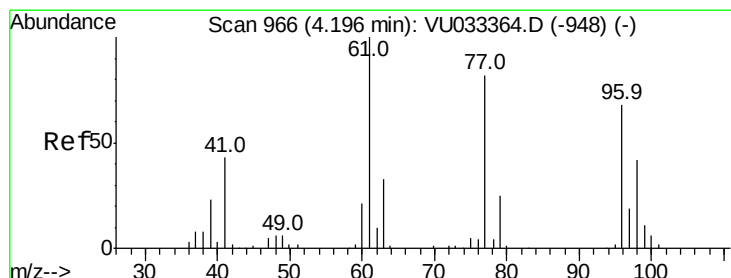


Abundance

Ion 77.00 (76.70 to 77.70): VU033364.D (-945) (-)

Ion 97.00 (96.70 to 97.70): VU033364.D (-945) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.499 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

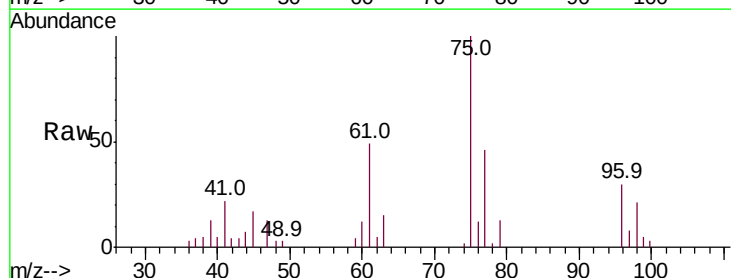
Tgt Ion: 96 Resp: 4600

Ion Ratio Lower Upper

96 100

61 158.9 0.0 376.3

98 68.4 31.9 95.9

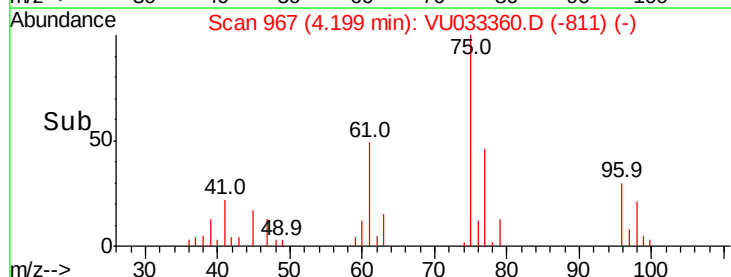


Abundance Ion 96.00 (95.70 to 96.70): VU033360.D (-811) (-)

Ion 61.00 (60.70 to 61.70): VU033360.D (-811) (-)

Ion 98.00 (97.70 to 98.70): VU033360.D (-811) (-)

Time-->



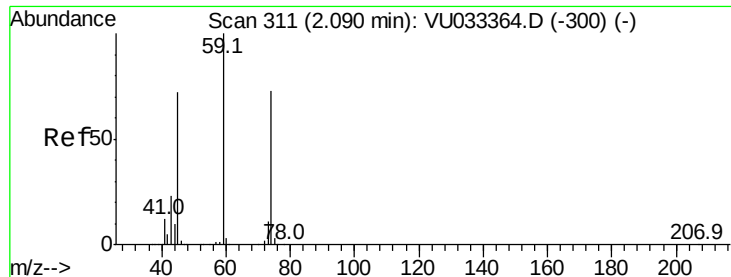
Abundance

Ion 96.00 (95.70 to 96.70): VU033360.D (-811) (-)

Ion 61.00 (60.70 to 61.70): VU033360.D (-811) (-)

Ion 98.00 (97.70 to 98.70): VU033360.D (-811) (-)

Time-->



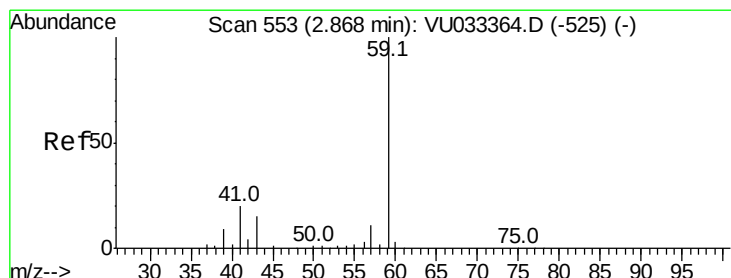
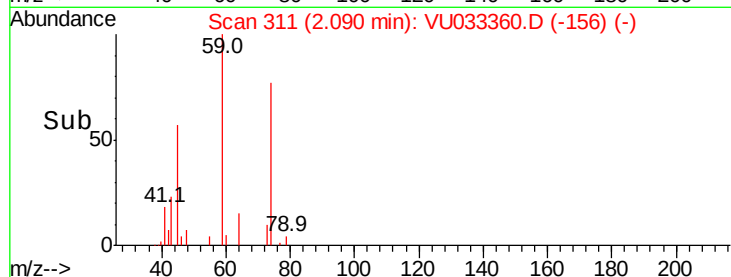
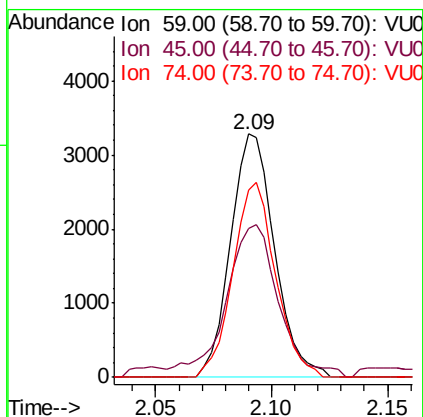
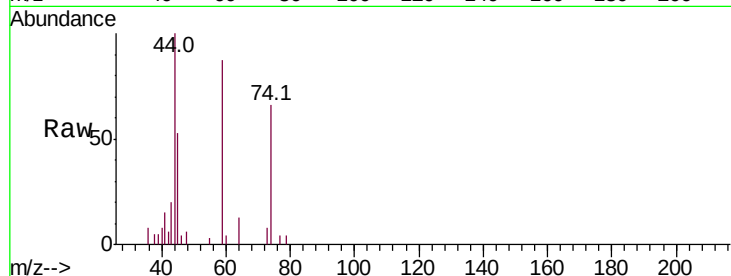
#23
Diethyl Ether
Concen: 0.568 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	59	Ratio	Lower	Upper
59	100			
45	75.1	57.6	86.4	
74	77.8	57.8	86.6	

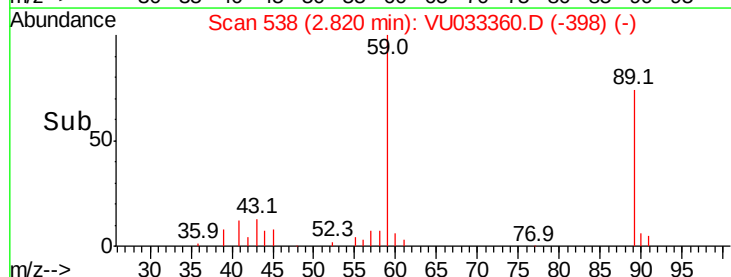
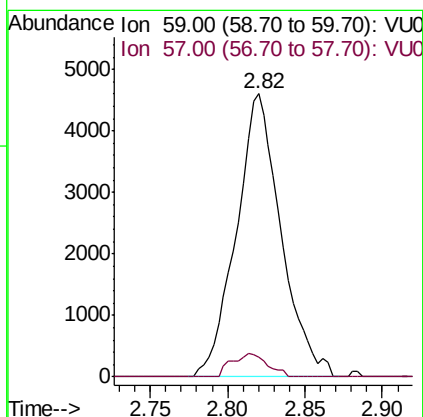
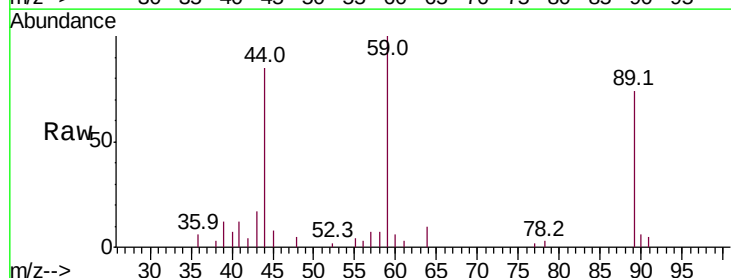
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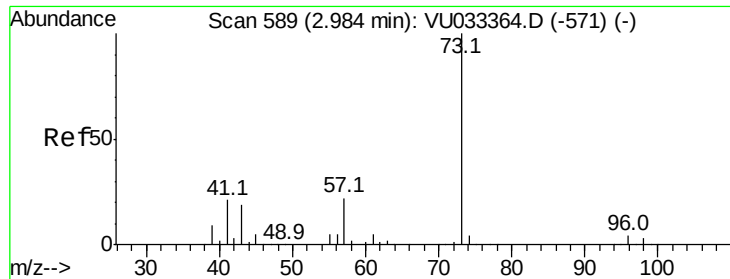
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#24
tert-Butyl Alcohol
Concen: 11.216 ug/l
RT: 2.82 min Scan# 538
Delta R.T. -0.05 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion	59	Ratio	Lower	Upper
59	100			
57	6.5	7.8	11.8#	





#25

Methyl tert-Butyl Ether

Concen: 0.609 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 73 Resp: 14267

Ion Ratio Lower Upper

73 100

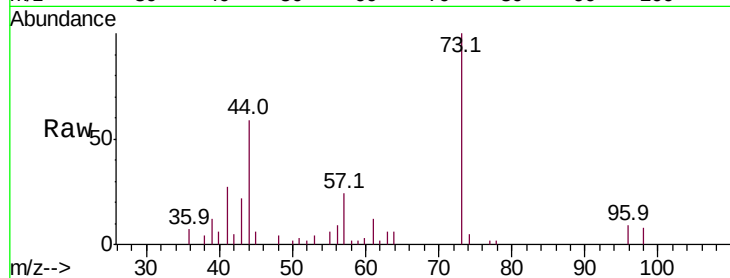
43 24.9 16.6 24.8#

Manual Integrations

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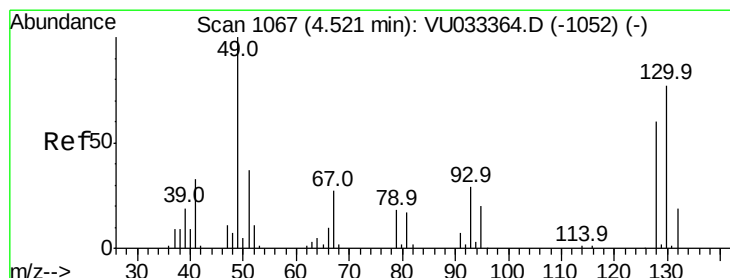
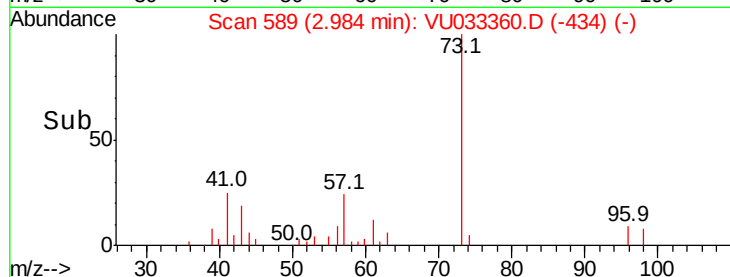
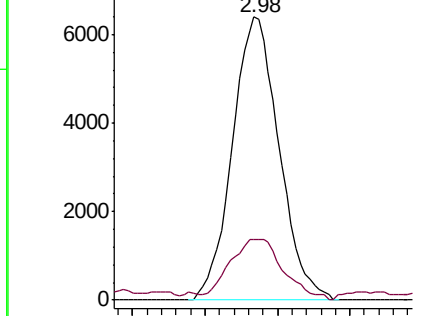
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)



#26

Bromochloromethane

Concen: 0.497 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

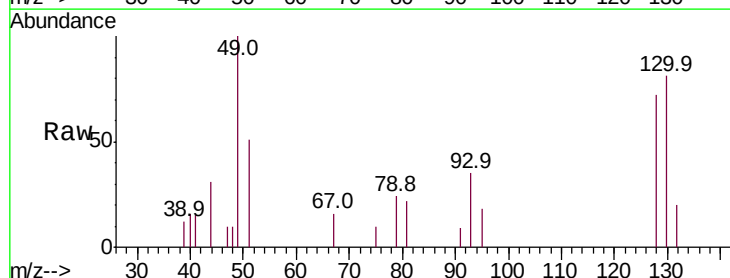
Tgt Ion: 128 Resp: 1944

Ion Ratio Lower Upper

128 100

49 167.9 0.0 333.4

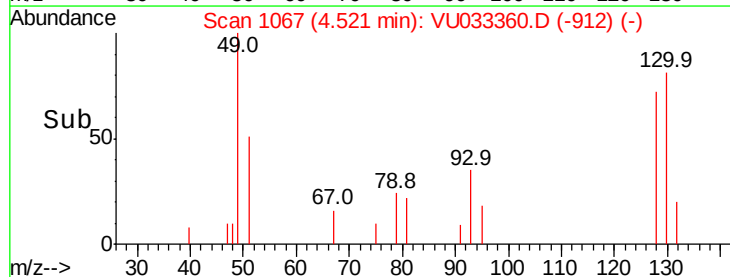
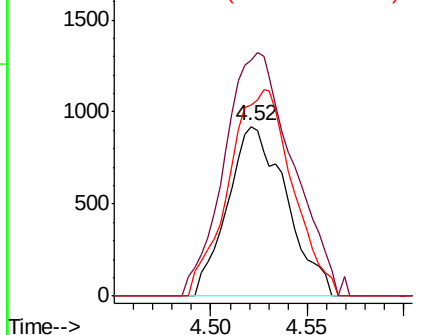
130 132.3 103.4 155.2

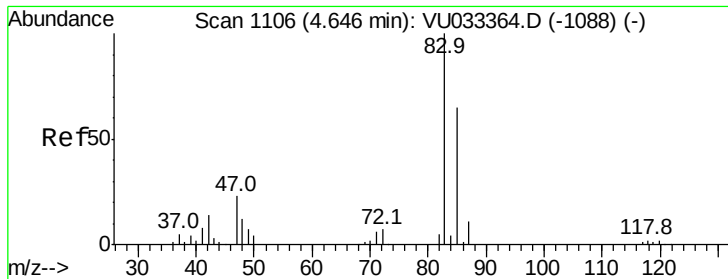


Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)





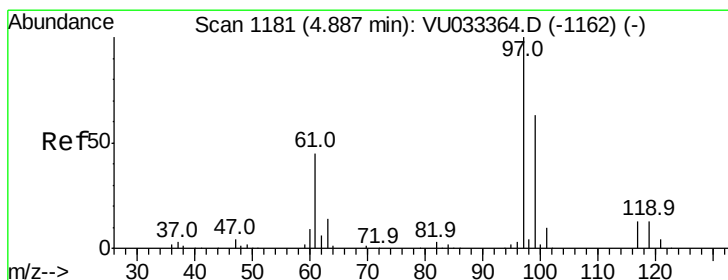
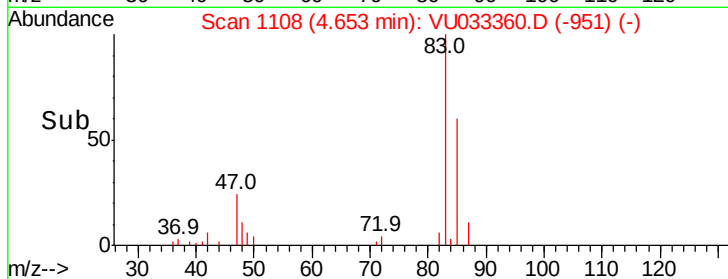
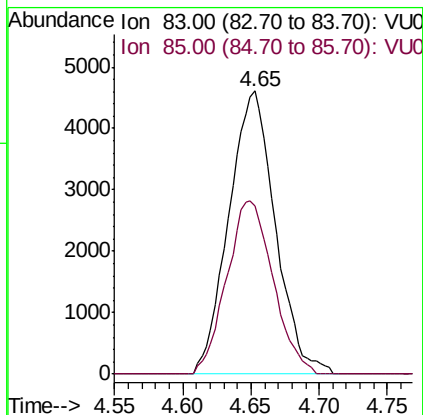
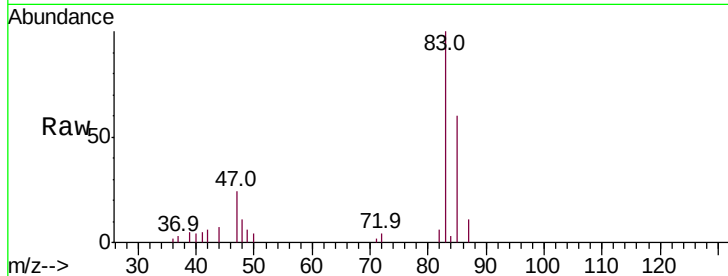
#27
Chloroform
Concen: 0.654 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion: 83 Resp: 10923
Ion Ratio Lower Upper
83 100
85 59.6 0.0 129.8

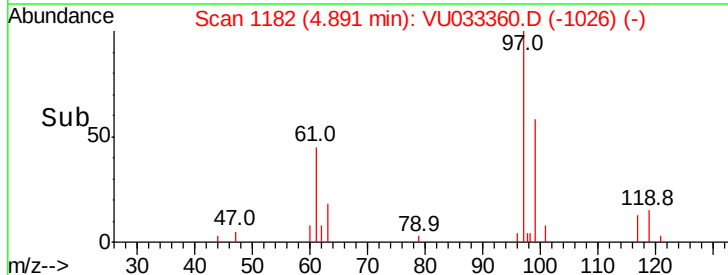
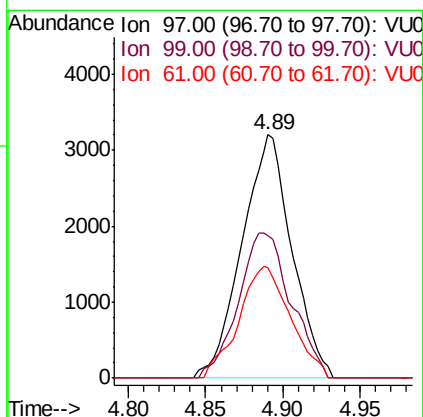
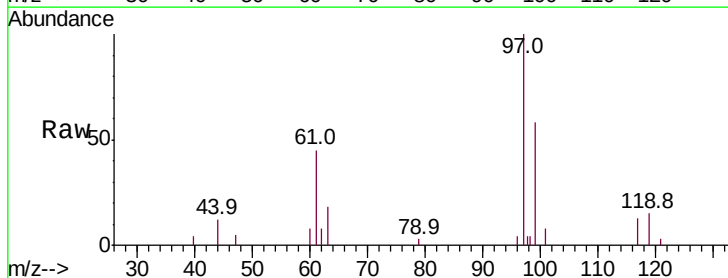
Manual Integrations
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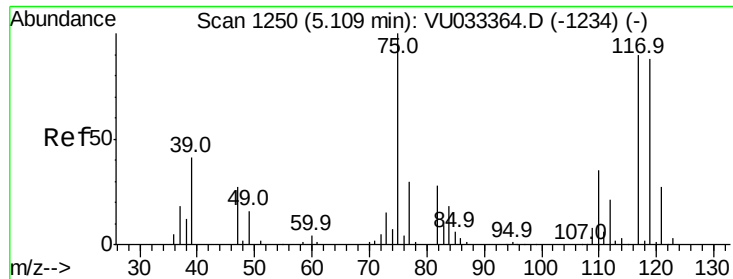
MMDadoda
7/23/2019 8:54:35 AM



#28
1,1,1-Trichloroethane
Concen: 0.509 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 97 Resp: 7190
Ion Ratio Lower Upper
97 100
99 62.9 31.9 95.5
61 47.5 22.7 68.0





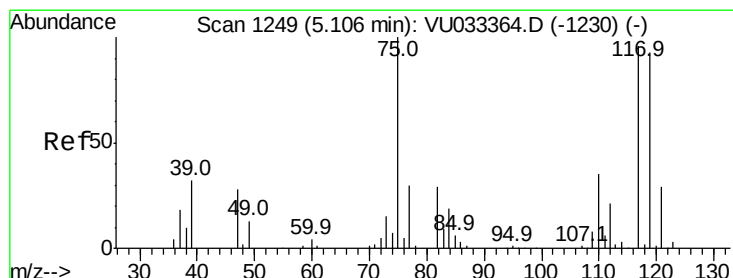
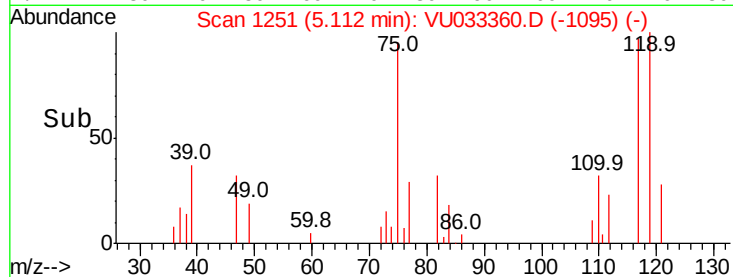
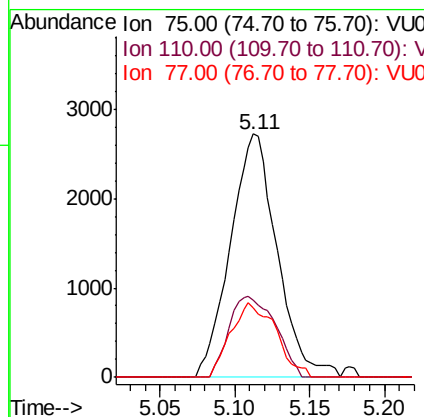
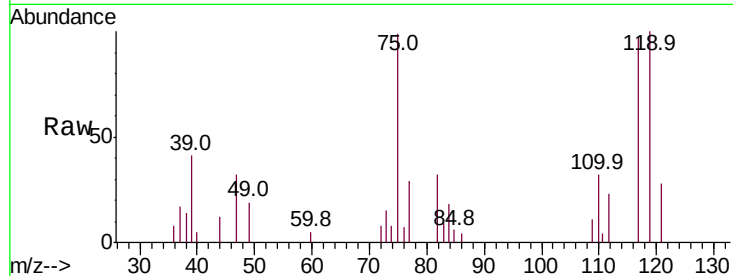
#29
1,1-Dichloropropene
Concen: 0.523 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.1	17.5	52.6
77	29.6	25.1	37.7

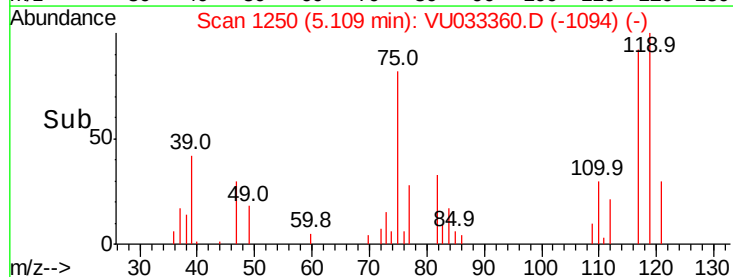
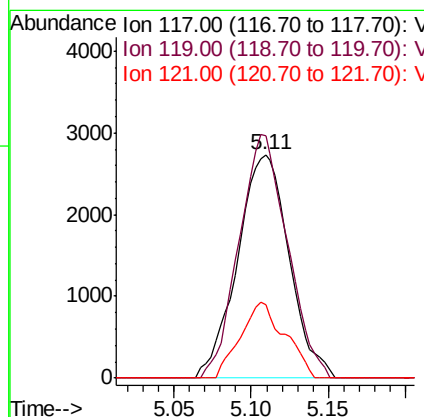
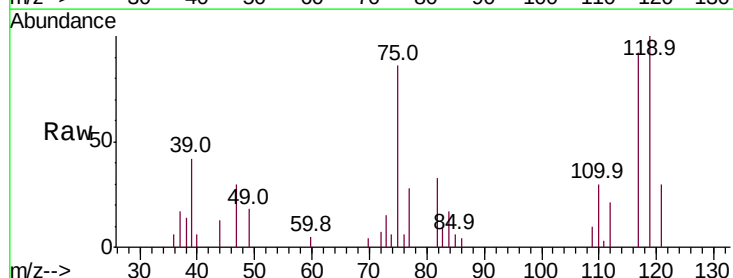
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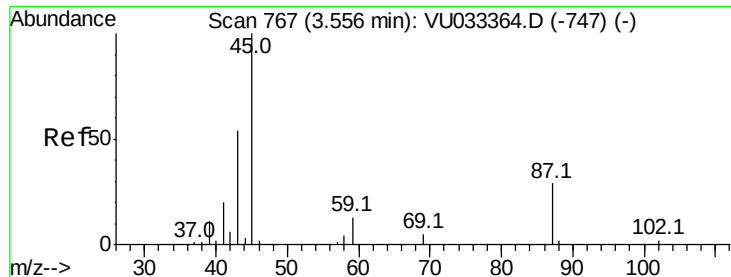
MMDadoda
7/23/2019 8:54:35 AM



#30
Carbon Tetrachloride
Concen: 0.524 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	108.5	77.9	116.9
121	32.8	24.0	36.0





#31

Isopropyl Ether

Concen: 0.392 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 10131

Ion Ratio Lower Upper

45 100

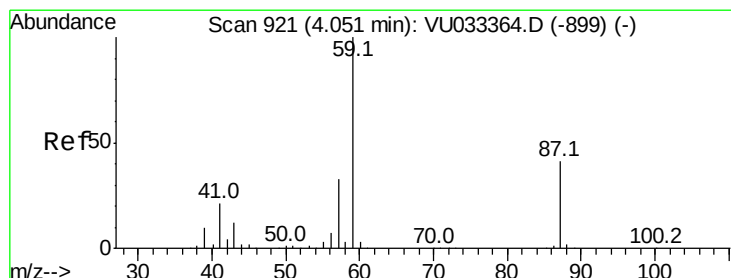
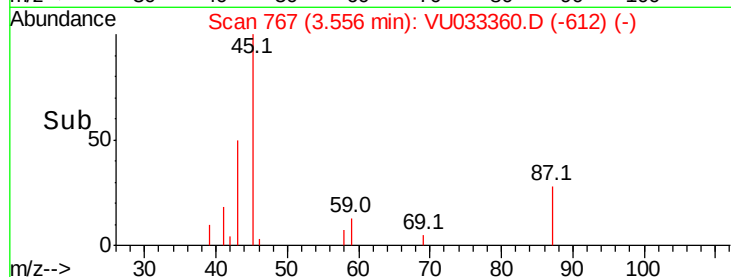
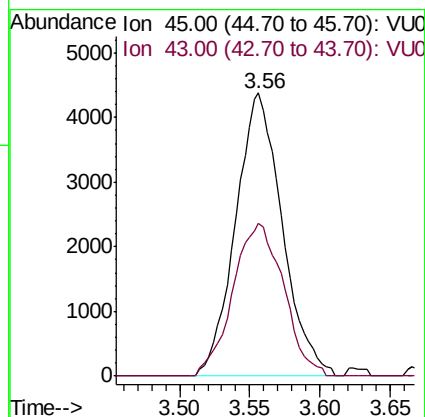
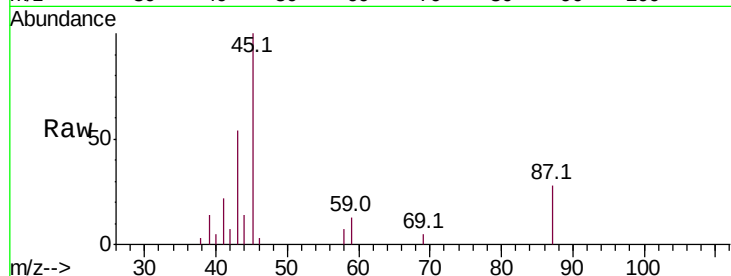
43 58.5 27.8 83.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.448 ug/l

RT: 4.04 min Scan# 919

Delta R.T. -0.01 min

Lab File: VU033360.D

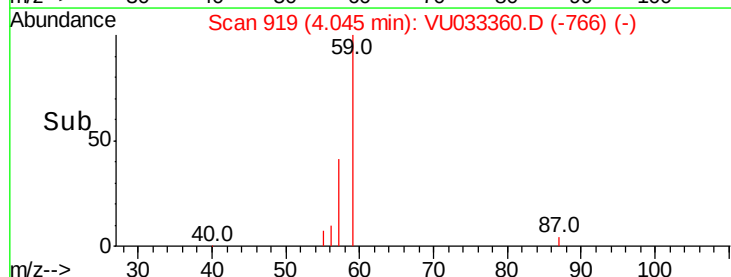
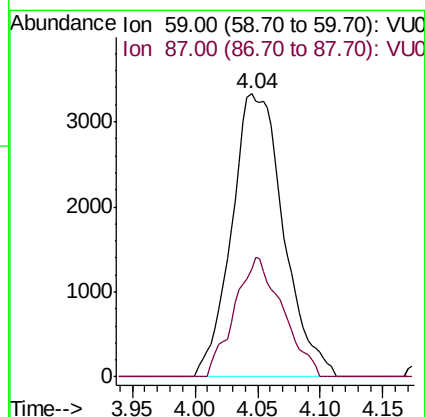
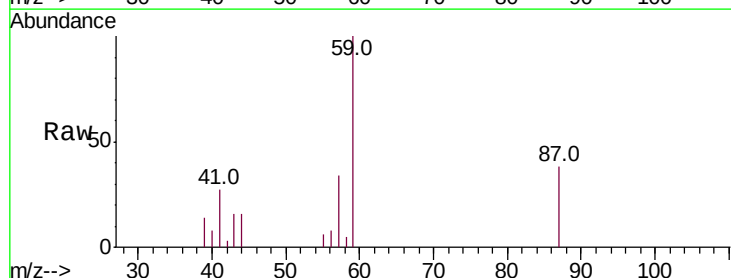
Acq: 22 Jul 2019 17:46

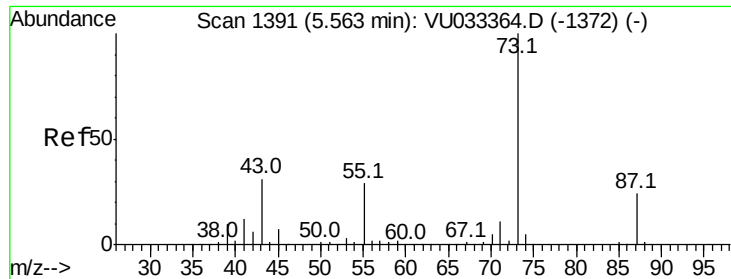
Tgt Ion: 59 Resp: 9594

Ion Ratio Lower Upper

59 100

87 39.0 33.8 50.6





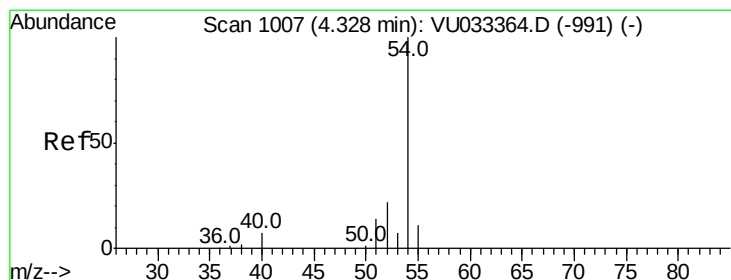
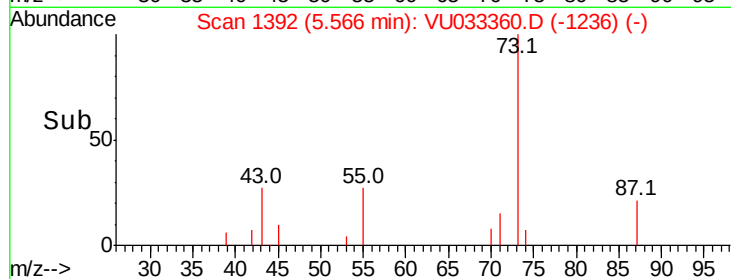
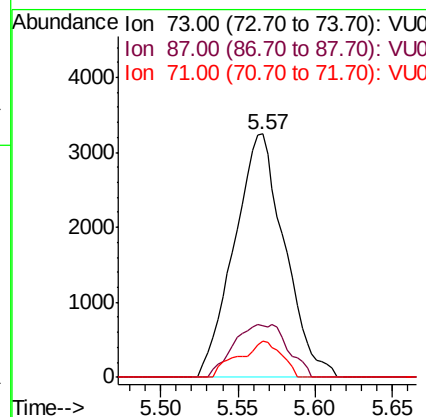
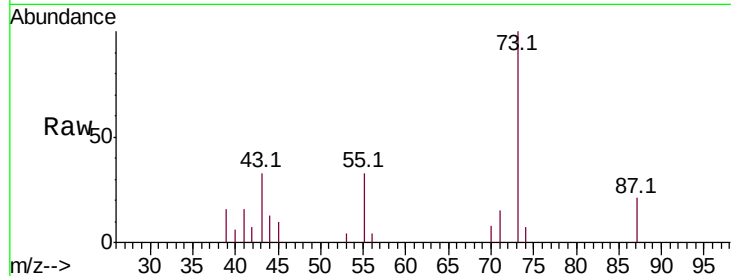
#33
Tert-Butyl methyl ether
Concen: 0.423 ug/l
RT: 5.57 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:	73	Resp:	7348
Ion	Ratio	Lower	Upper
73	100		
87	14.9	18.9	28.3#
71	12.8	9.3	13.9

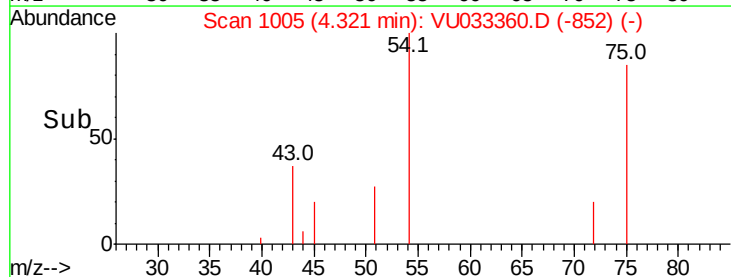
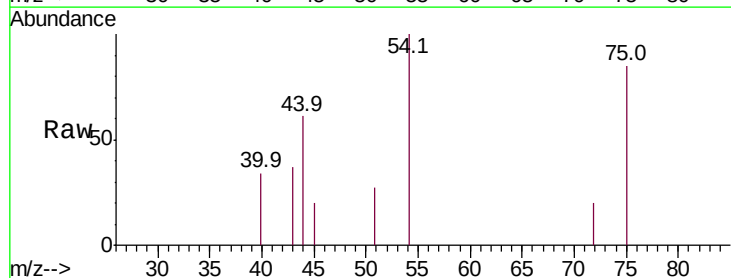
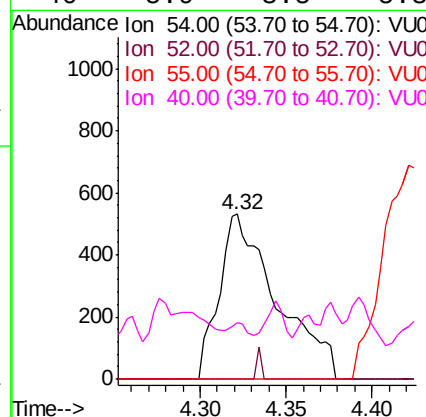
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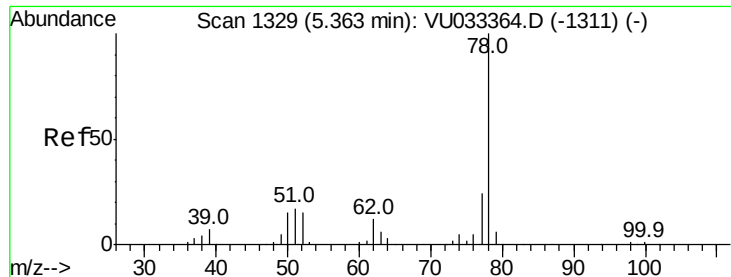
MMDadoda
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#34
Propionitrile
Concen: 1.693 ug/l
RT: 4.32 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion:	54	Resp:	1247
Ion	Ratio	Lower	Upper
54	100		
52	1.6	17.1	25.7#
55	0.0	11.6	17.4#
40	5.9	3.5	5.3#





#35

Benzene

Concen: 0.485 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 16788

Ion Ratio Lower Upper

78 100

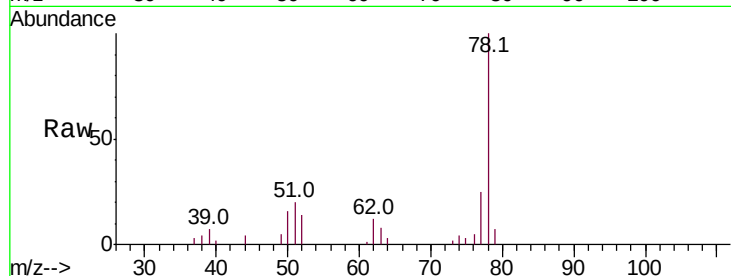
77 25.0 19.4 29.2

Manual Integrations

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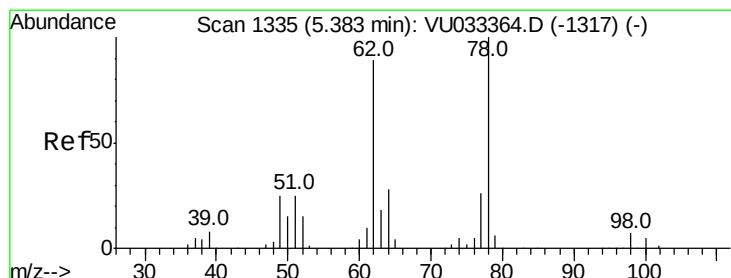
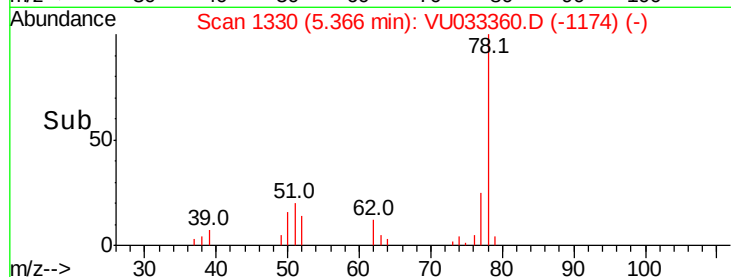
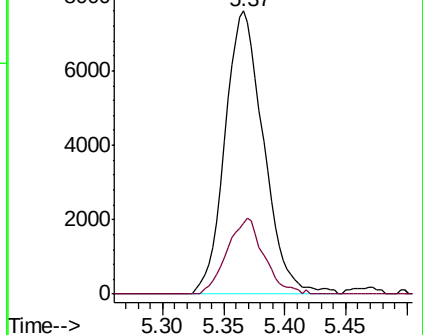
MMDadoda

7/23/2019 8:54:35 AM



Abundance Ion 78.10 (77.80 to 78.80): VU033360.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033360.D (-1311) (-)



#36

1,2-Dichloroethane

Concen: 0.476 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU033360.D

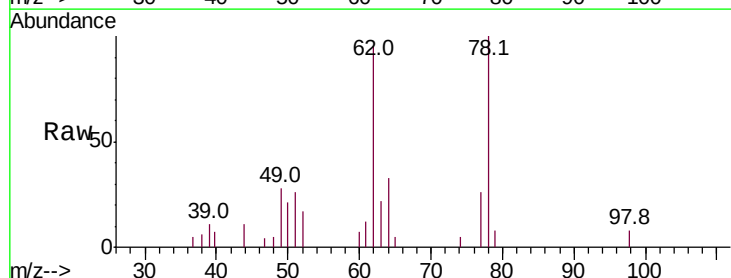
Acq: 22 Jul 2019 17:46

Tgt Ion: 62 Resp: 5410

Ion Ratio Lower Upper

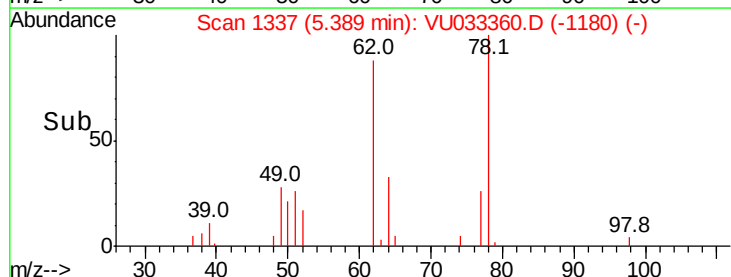
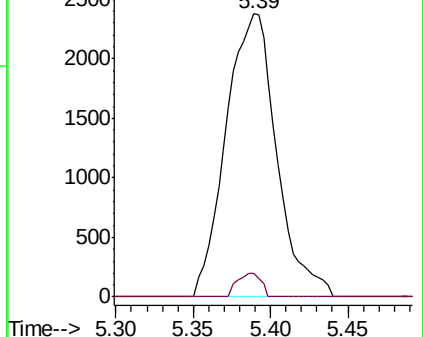
62 100

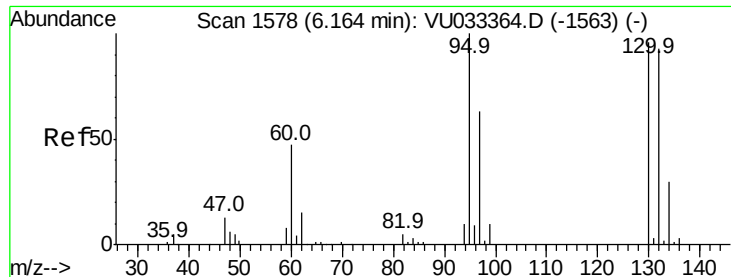
98 3.8 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VU033360.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033360.D (-1317) (-)





#37

Trichloroethene

Concen: 0.519 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion:130 Resp: 4464

Ion Ratio Lower Upper

130 100

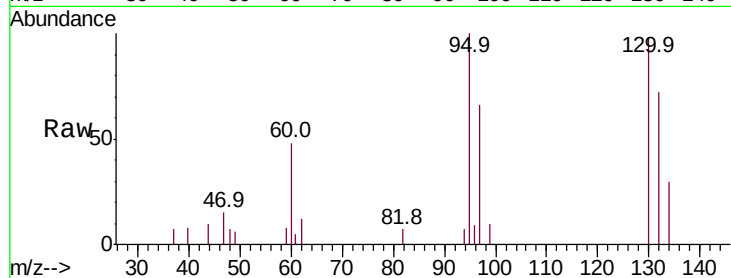
95 102.2 83.4 125.0

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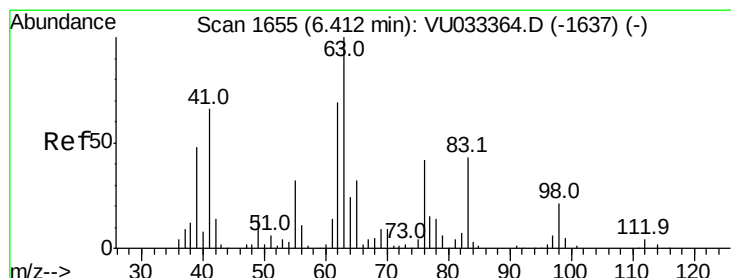
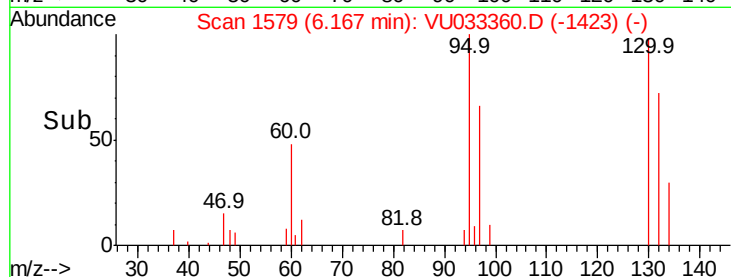
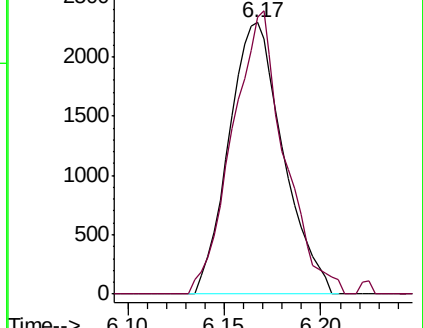
MMDadoda

7/23/2019 8:54:35 AM



Abundance Ion 129.90 (129.60 to 130.60): VU033364.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU033364.D (-1563) (-)



#38

1,2-Dichloropropane

Concen: 0.466 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033360.D

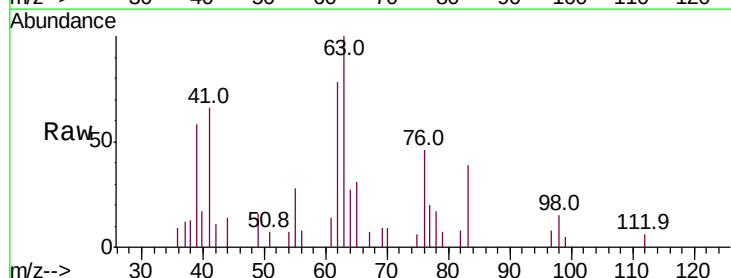
Acq: 22 Jul 2019 17:46

Tgt Ion: 63 Resp: 4542

Ion Ratio Lower Upper

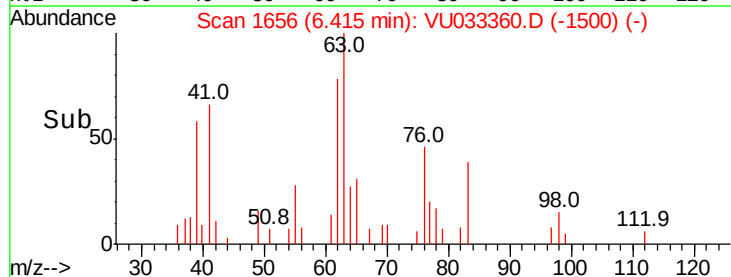
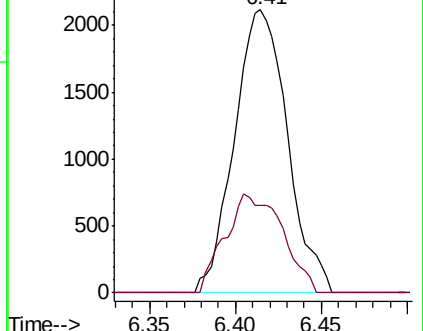
63 100

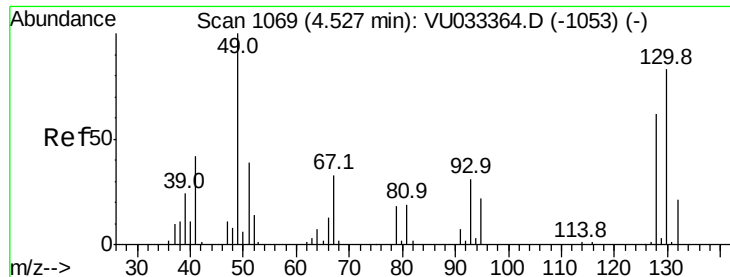
65 31.0 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-1637) (-)

Ion 65.00 (64.70 to 65.70): VU033364.D (-1637) (-)





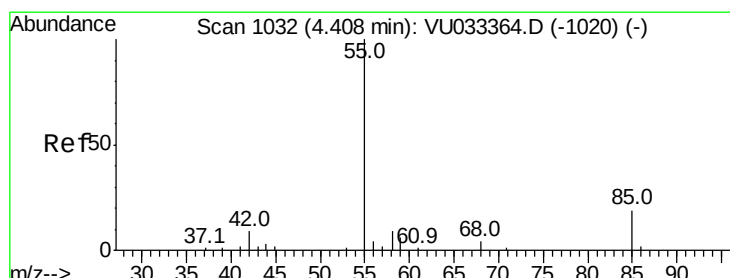
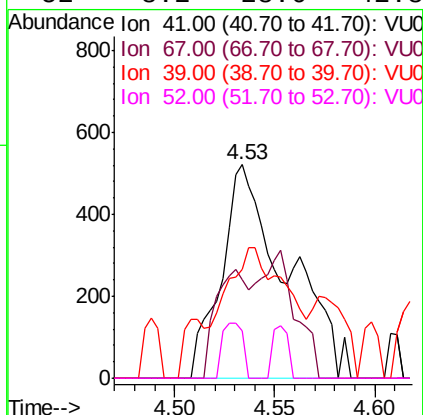
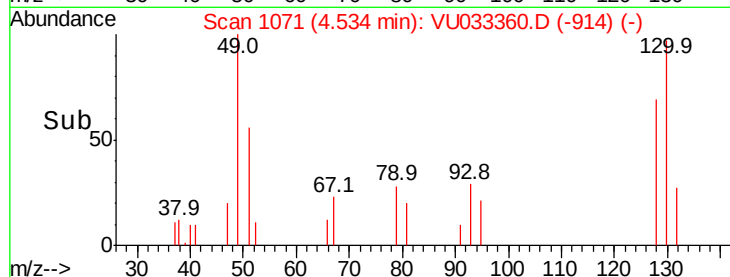
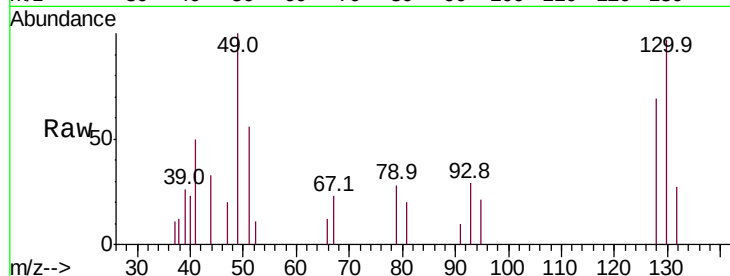
#39
Methacrylonitrile
Concen: 0.388 ug/l m
RT: 4.53 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
67	25.3	64.4	96.6#
39	8.7	46.8	70.2#
52	8.2	28.6	42.8#

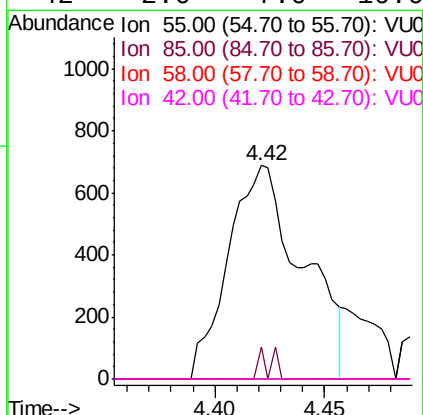
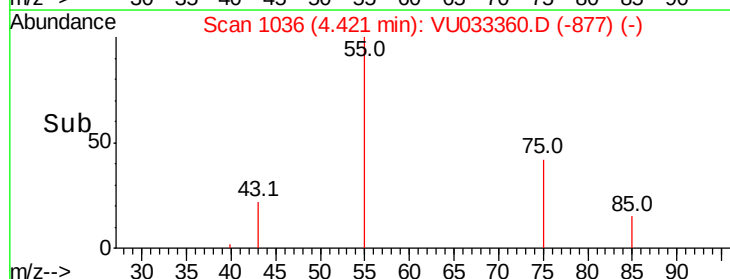
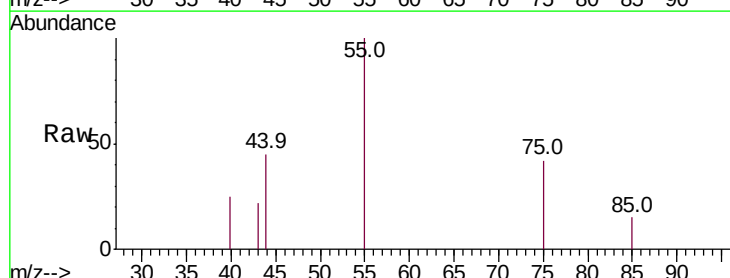
Manual Integrations
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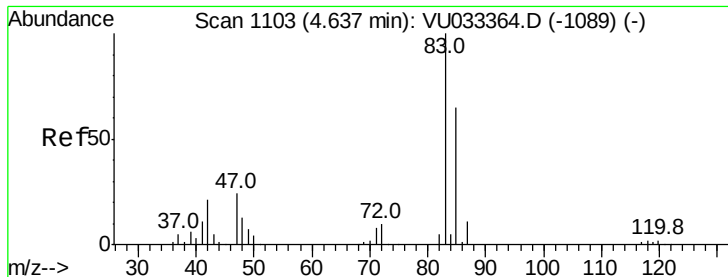
MMDadoda
7/23/2019 8:54:35 AM



#40
Methyl acrylate
Concen: 0.402 ug/l m
RT: 4.42 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.8	22.2#
58	0.0	7.1	10.7#
42	2.6	7.0	10.6#





#41

Tetrahydrofuran

Concen: 0.633 ug/l

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

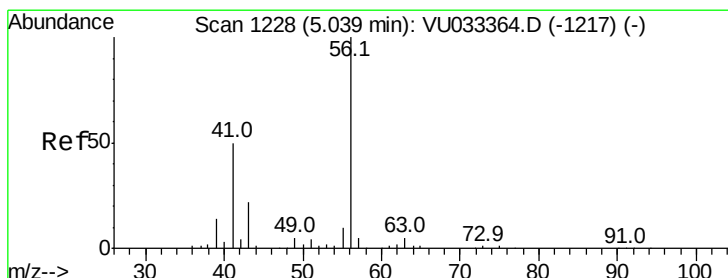
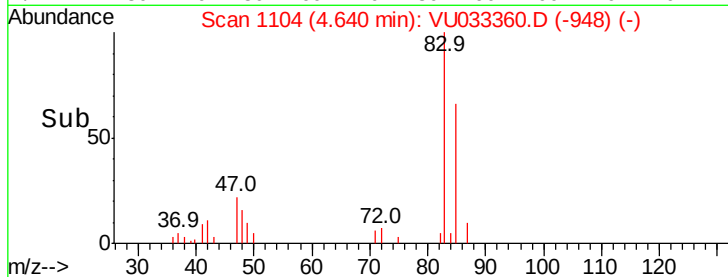
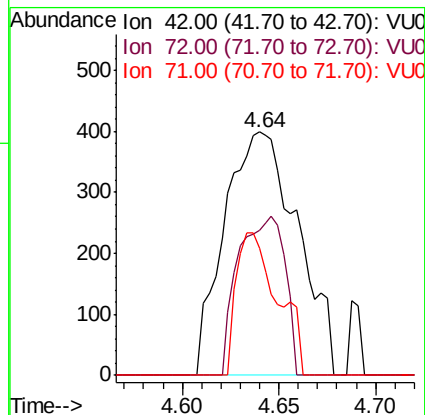
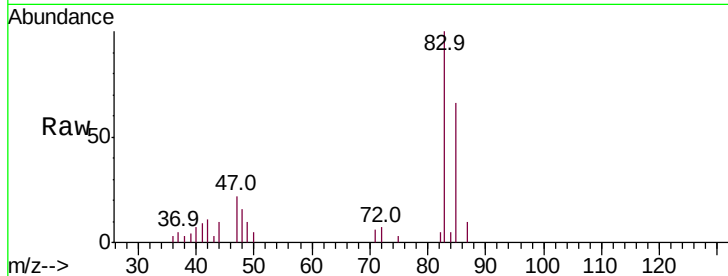
ClientSampled :

VSTDIC0.5

Tot Ion:	42	Resp:	1053
Ion	Ratio	Lower	Upper
42	100		
72	41.5	38.7	58.1
71	32.6	34.6	52.0#

Manual Integrations
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MMDadoda
7/23/2019 8:54:35 AM



#42

1-Chlorobutane

Concen: 0.449 ug/l

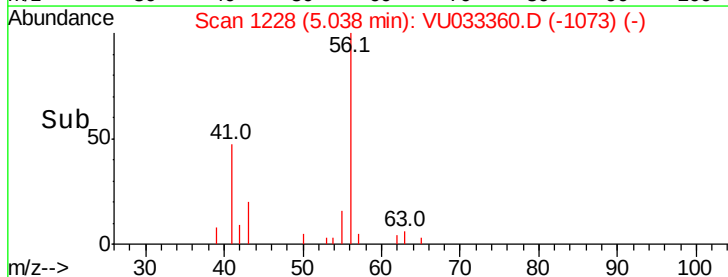
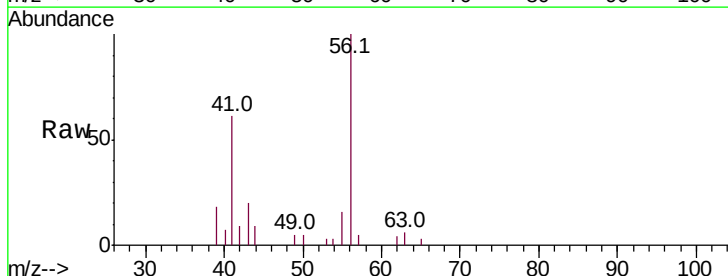
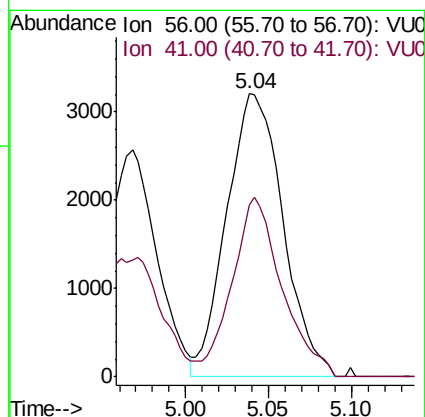
RT: 5.04 min Scan# 1228

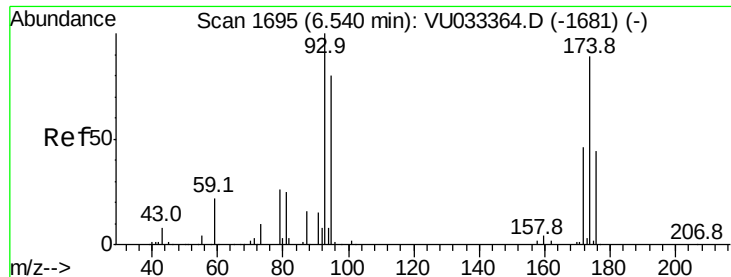
Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	56	Resp:	7596
Ion	Ratio	Lower	Upper
56	100		
41	56.2	25.7	77.1





#43

Dibromomethane

Concen: 0.489 ug/l

RT: 6.55 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

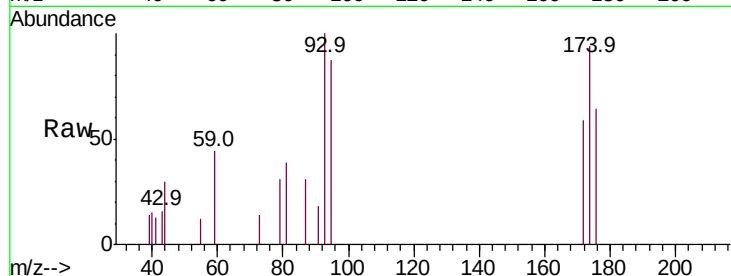
ClientSampleId :

VSTDIC0.5

Tot Ion:	93	Resp:	2397
Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.3	97.9
174	82.0	70.7	106.1

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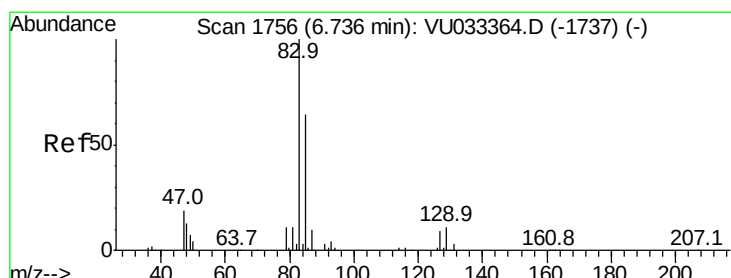
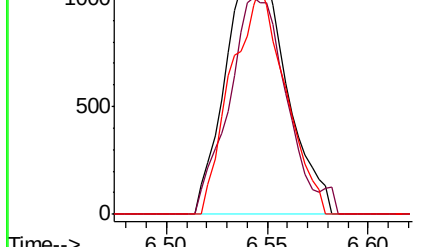
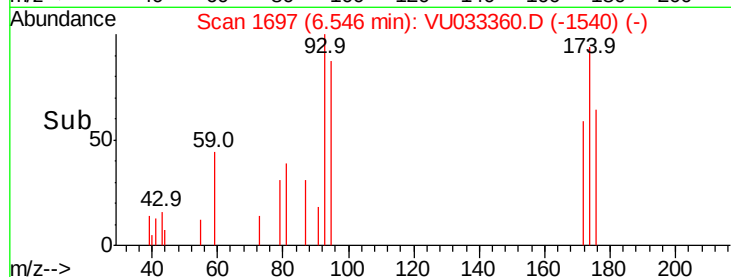


Abundance Ion 93.00 (92.70 to 93.70): VU033360.D (-1697) (-)

Ion 95.00 (94.70 to 95.70): VU033360.D (-1697) (-)

Ion 174.00 (173.70 to 174.70): VU033360.D (-1697) (-)

Time-->



#44

Bromodichloromethane

Concen: 0.524 ug/l

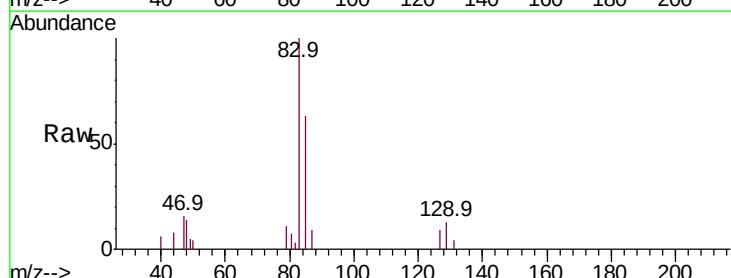
RT: 6.74 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	83	Resp:	6323
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	9.4	7.2	10.8

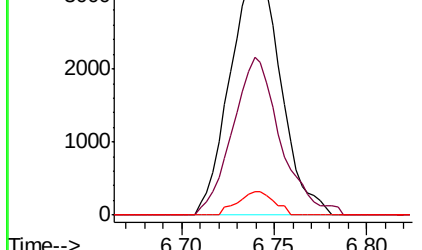
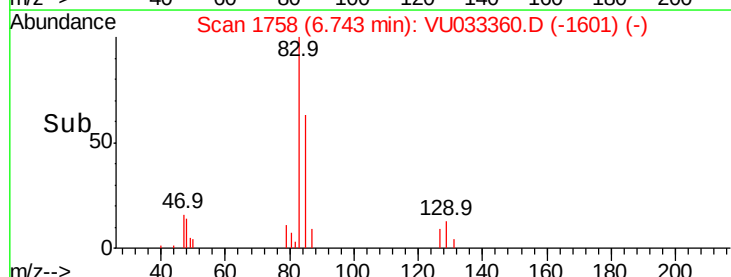


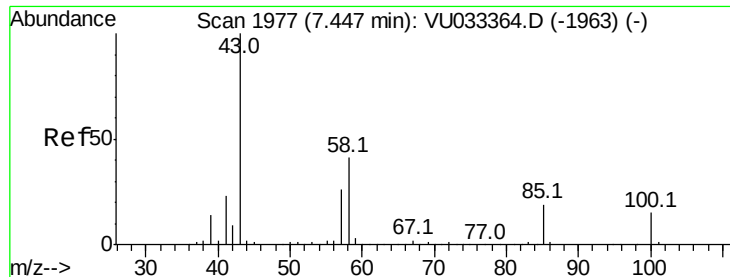
Abundance Ion 83.00 (82.70 to 83.70): VU033360.D (-1758) (-)

Ion 85.00 (84.70 to 85.70): VU033360.D (-1758) (-)

Ion 127.00 (126.70 to 127.70): VU033360.D (-1758) (-)

Time-->





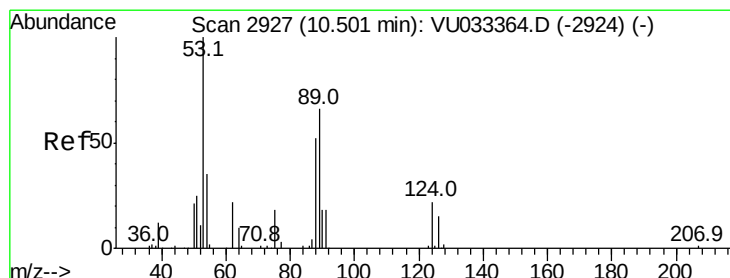
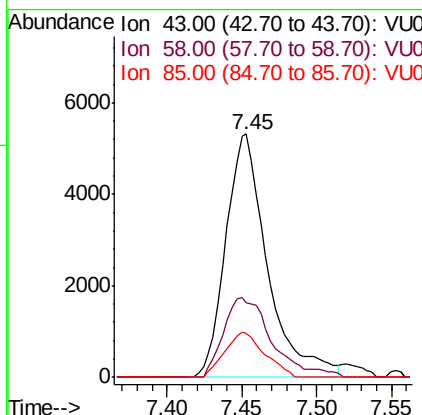
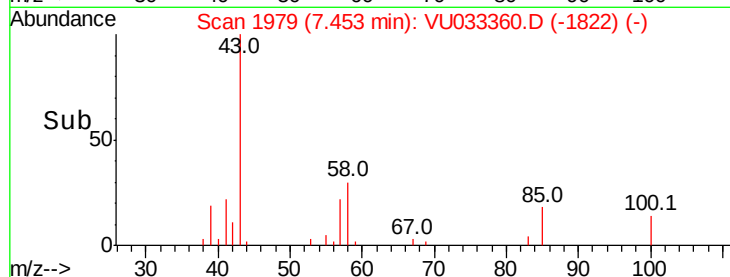
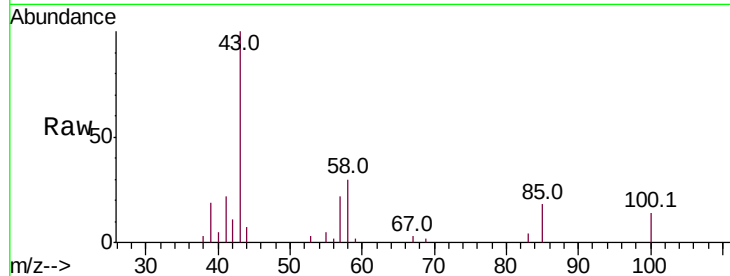
#45
4-Methyl-2-Pentanone
Concen: 1.813 ug/l
RT: 7.45 min Scan# 1979
Delta R.T. 0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	10329
Ion	Ratio	Lower	Upper
43	100		
58	37.8	20.3	60.8
85	17.7	15.0	22.6

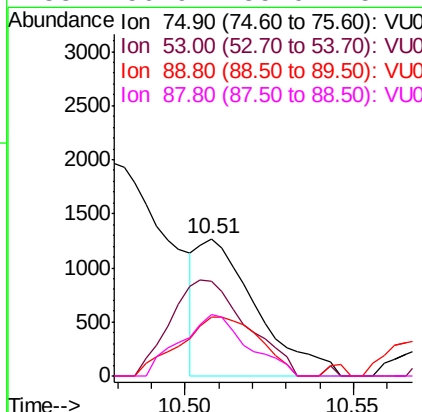
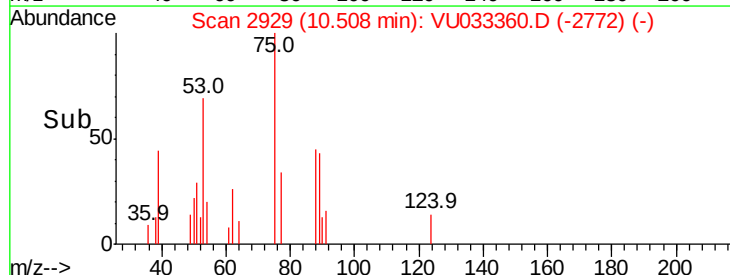
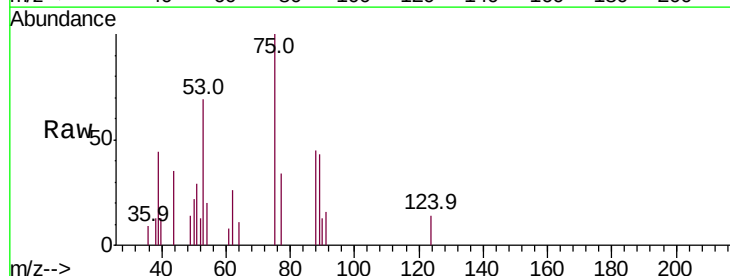
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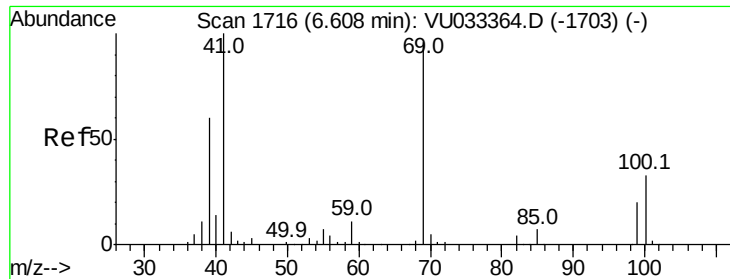
MMDadoda
7/23/2019 8:54:35 AM



#46
t-1,4-Dichloro-2-butene
Concen: 0.837 ug/l m
RT: 10.51 min Scan# 2929
Delta R.T. 0.01 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion	75	Resp	1545
Ion	Ratio	Lower	Upper
75	100		
53	90.3	62.9	94.3
89	58.2	43.0	64.4
88	50.9	35.0	52.4





#47

Methyl methacrylate

Concen: 0.861 ug/l

RT: 6.61 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 69 Resp: 3225

Ion Ratio Lower Upper

69 100

41 100.2 0.0 208.2

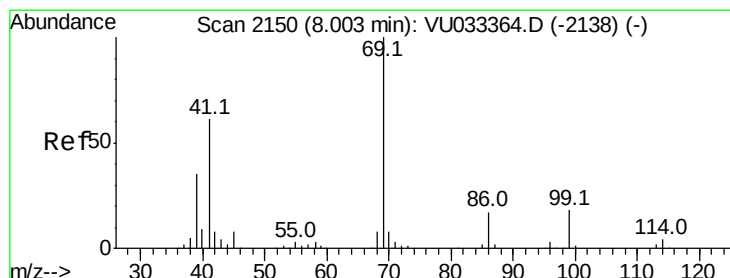
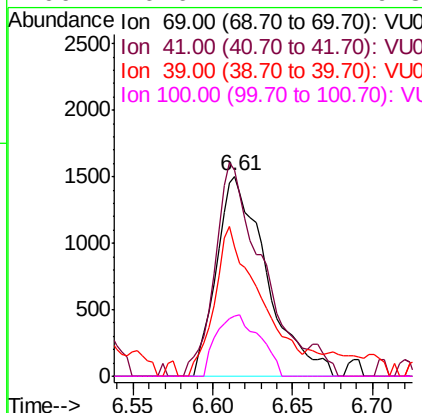
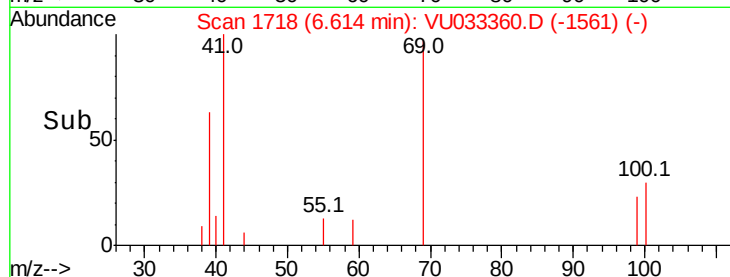
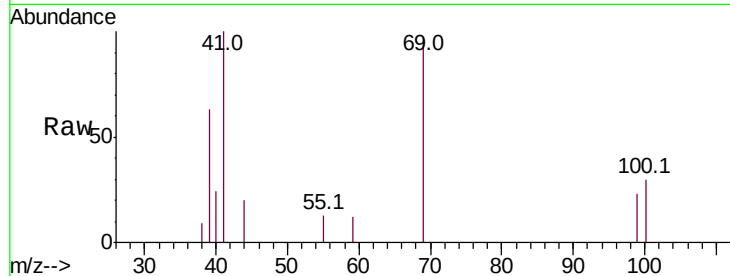
39 68.9 50.6 75.8

100 26.6 27.2 40.8#

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#48

Ethyl methacrylate

Concen: 0.395 ug/l

RT: 8.01 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VU033360.D

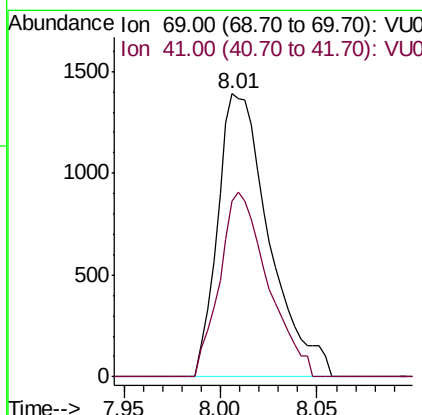
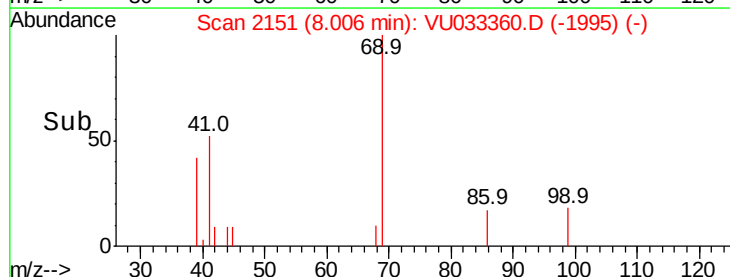
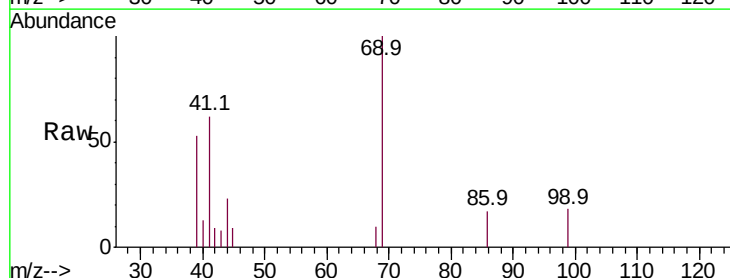
Acq: 22 Jul 2019 17:46

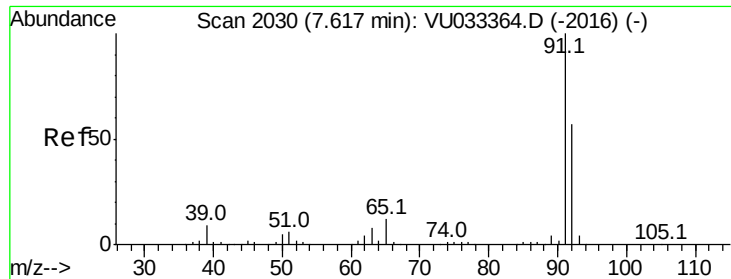
Tgt Ion: 69 Resp: 2576

Ion Ratio Lower Upper

69 100

41 60.8 30.9 92.7





#49

Toluene

Concen: 0.443 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 92 Resp: 8080

Ion Ratio Lower Upper

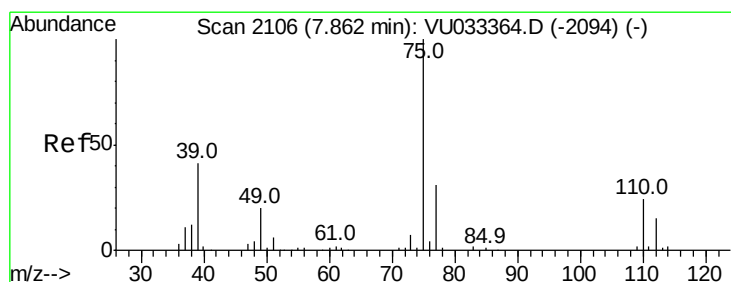
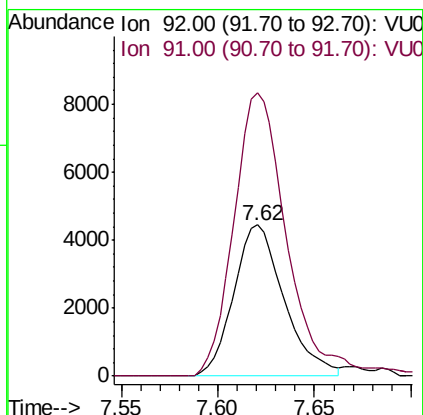
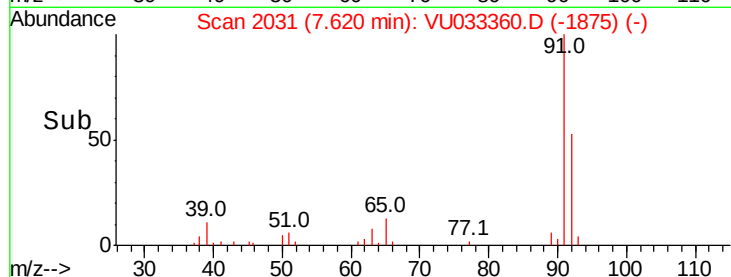
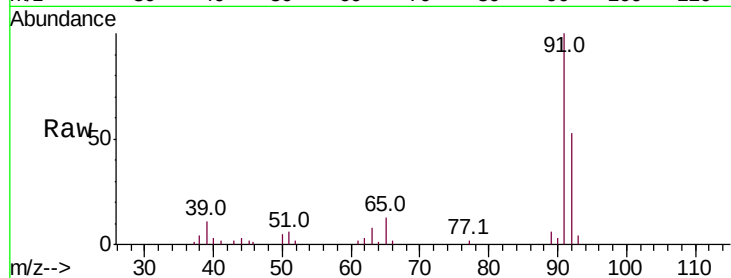
92 100

91 198.8 142.1 213.1

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#50

t-1,3-Dichloropropene

Concen: 0.462 ug/l

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU033360.D

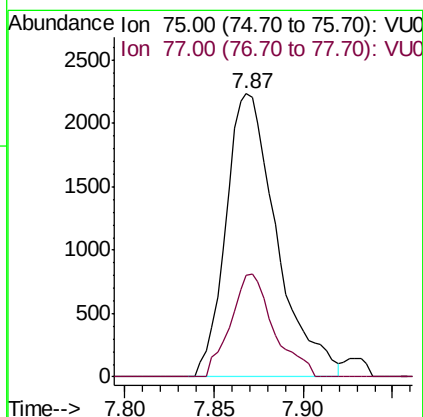
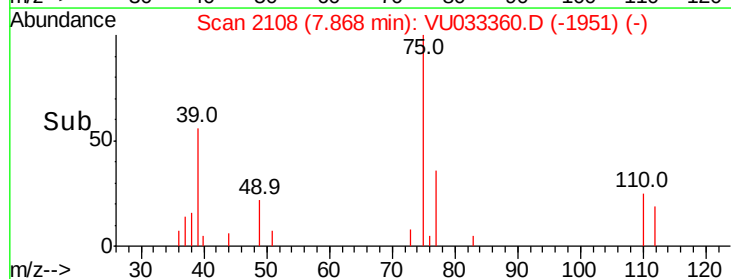
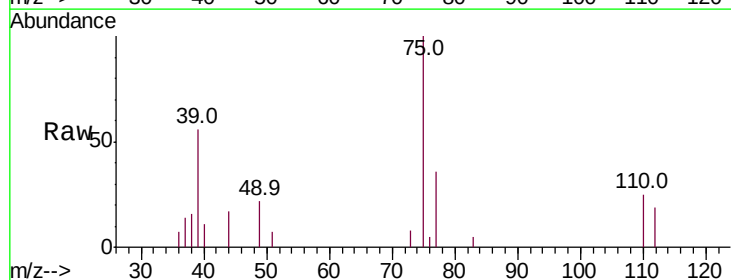
Acq: 22 Jul 2019 17:46

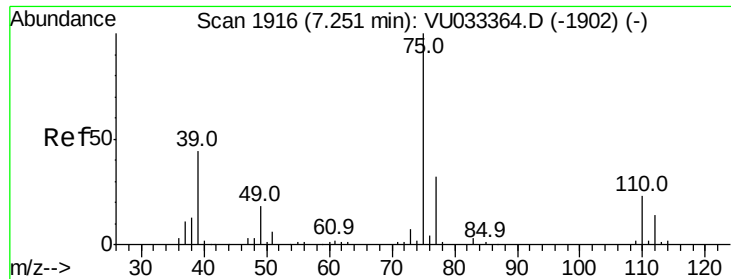
Tgt Ion: 75 Resp: 4423

Ion Ratio Lower Upper

75 100

77 35.9 25.2 37.8





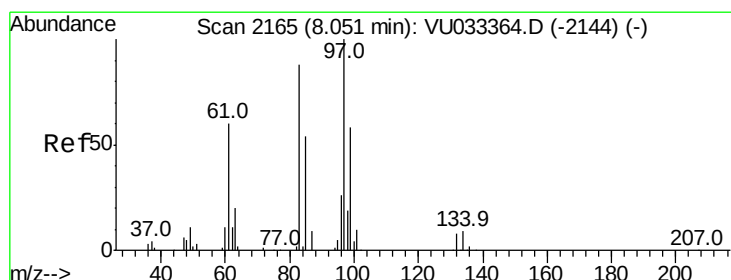
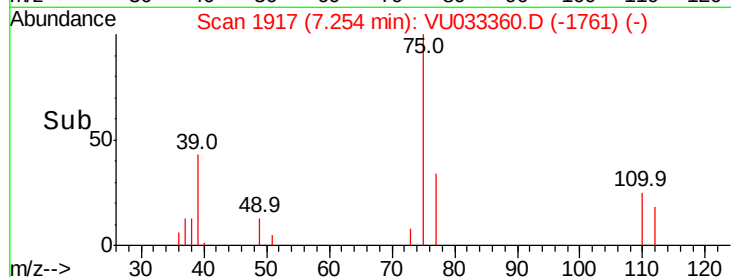
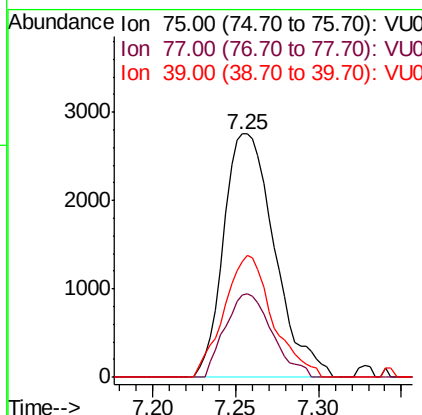
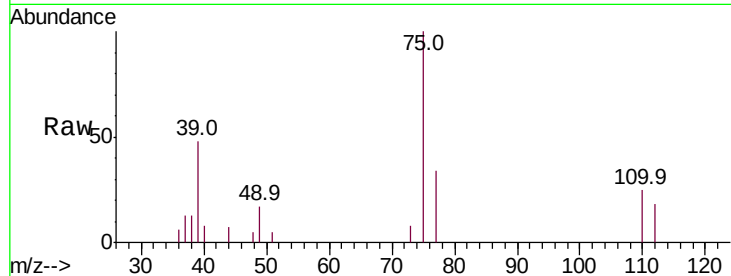
#51
 cis-1,3-Dichloropropene
 Concen: 0.510 ug/l
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	25.8	38.8
39	47.7	35.2	52.8

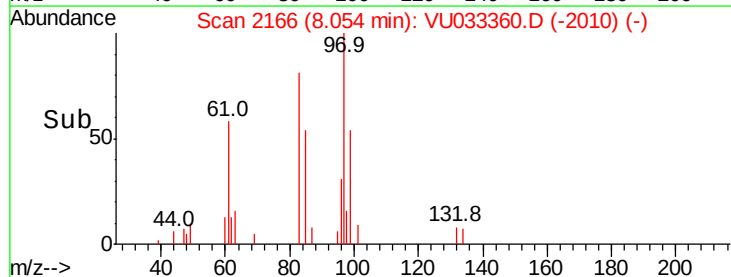
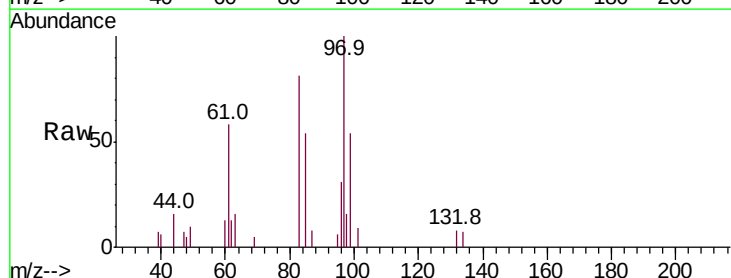
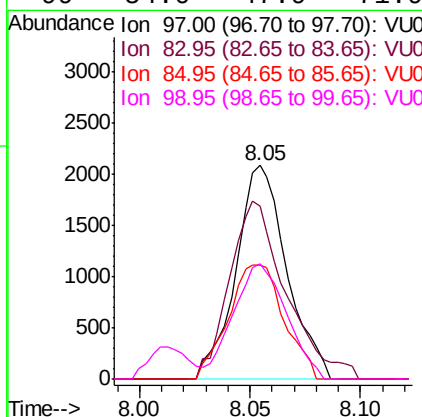
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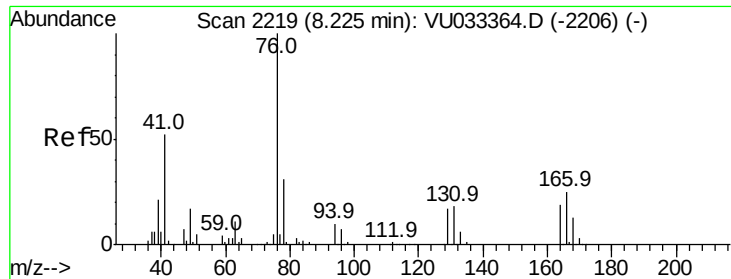
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#52
 1,1,2-Trichloroethane
 Concen: 0.517 ug/l
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.8	70.2	105.2
85	53.5	43.5	65.3
99	54.0	47.9	71.9





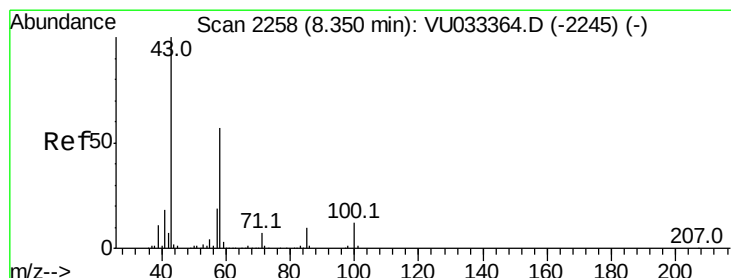
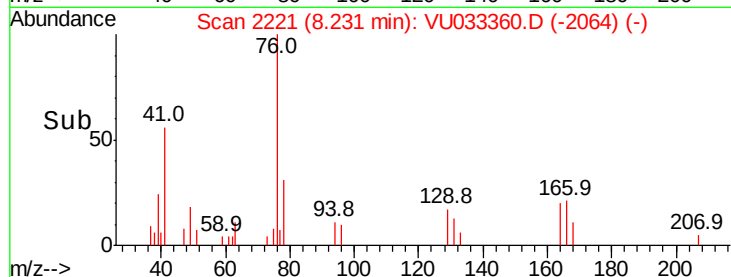
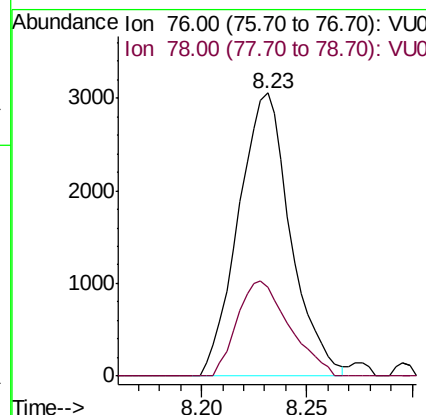
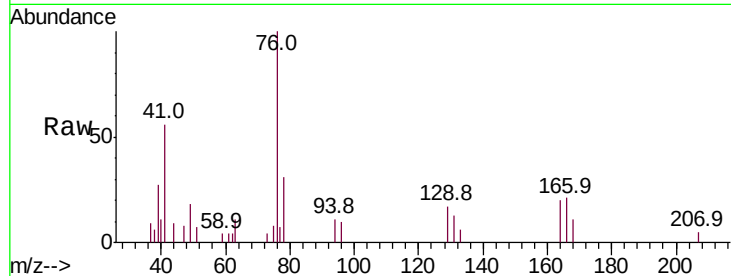
#53
 1,3-Dichloropropane
 Concen: 0.471 ug/l
 RT: 8.23 min Scan# 2221
 Delta R.T. 0.01 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.7	38.5

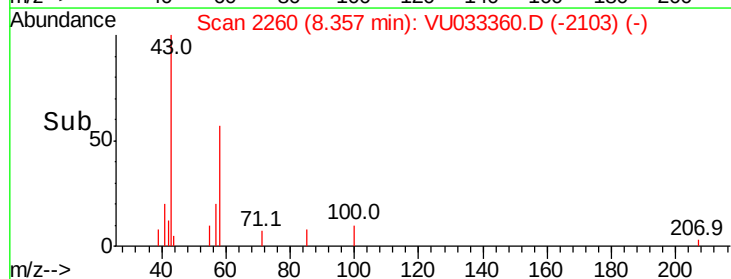
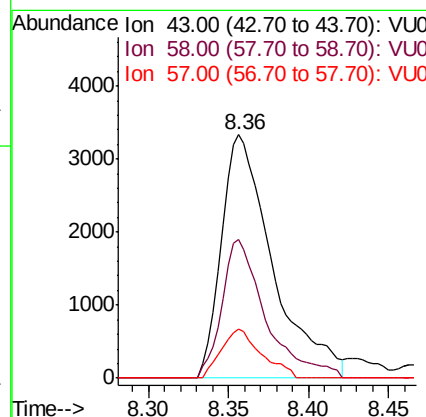
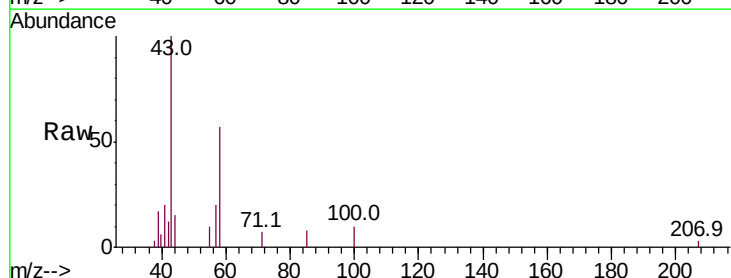
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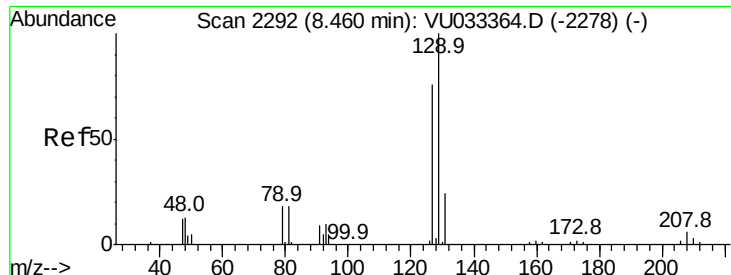
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#54
 2-Hexanone
 Concen: 1.898 ug/l
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.7	36.0	76.0
57	15.8	0.0	39.4





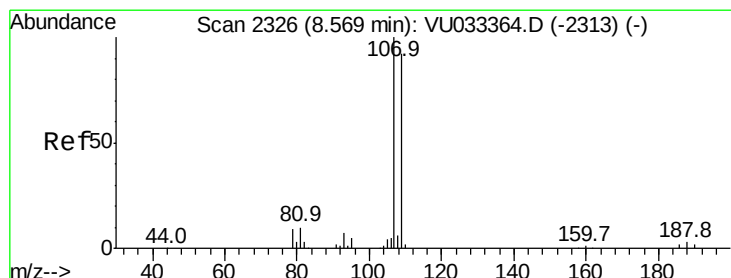
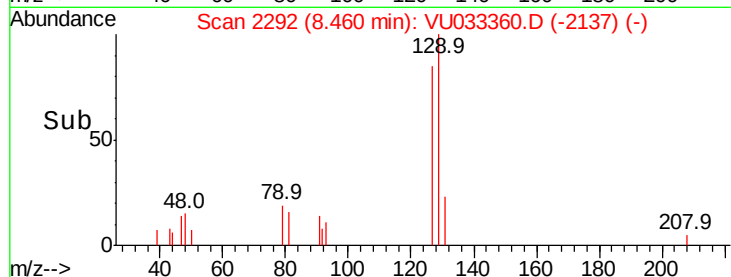
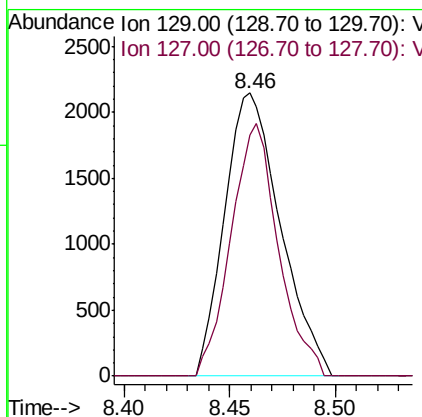
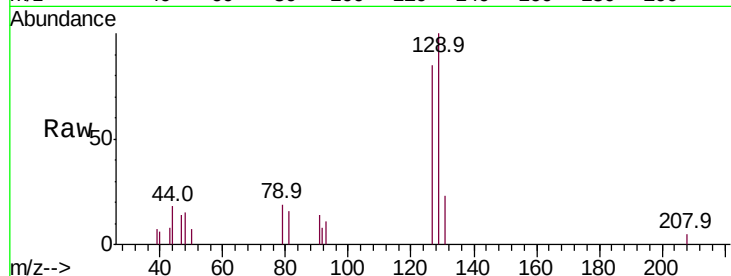
#55
Dibromochloromethane
Concen: 0.544 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:129 Resp: 3955
Ion Ratio Lower Upper
129 100
127 75.7 60.9 91.3

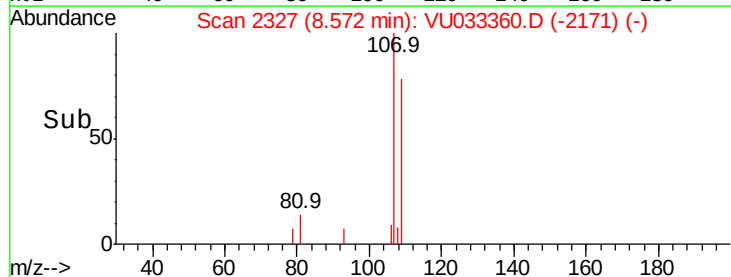
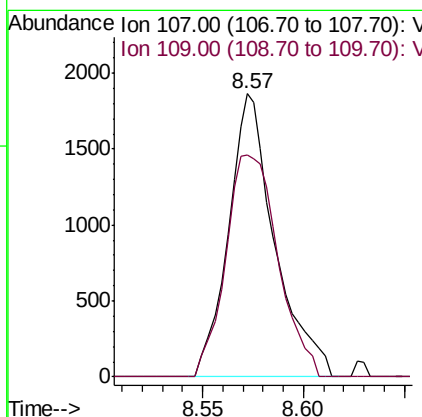
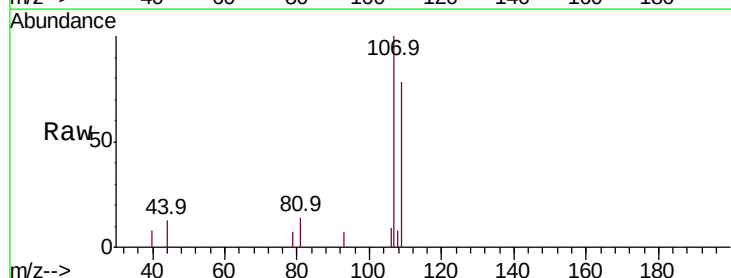
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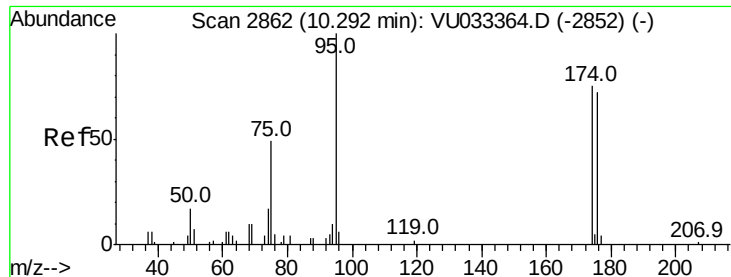
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#56
1,2-Dibromoethane
Concen: 0.518 ug/l
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion:107 Resp: 2985
Ion Ratio Lower Upper
107 100
109 88.5 0.0 184.8





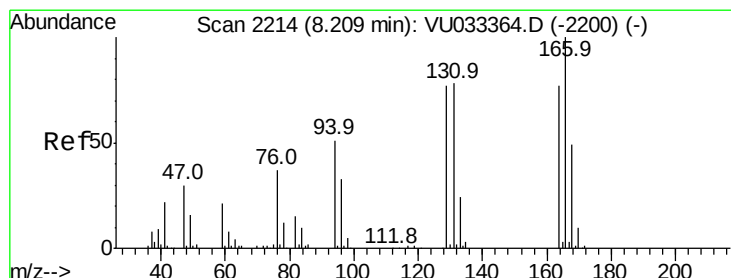
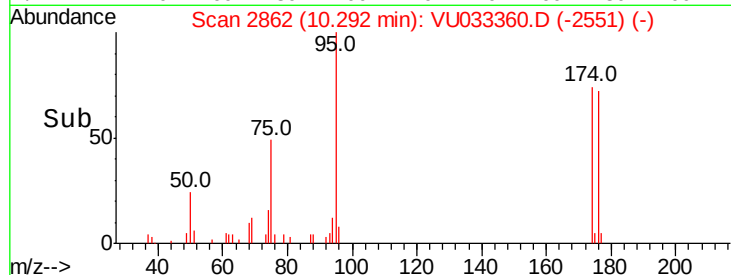
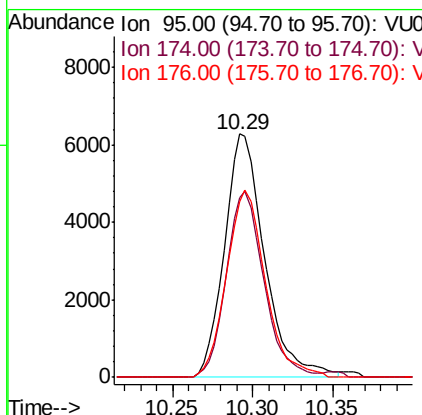
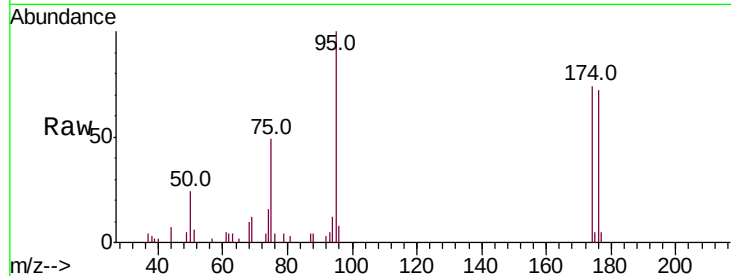
#57
 4-Bromofluorobenzene
 Concen: 1.107 ug/l
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.6	58.8	88.2
176	74.4	54.4	81.6

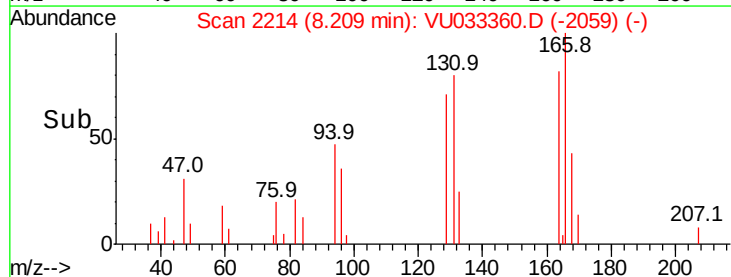
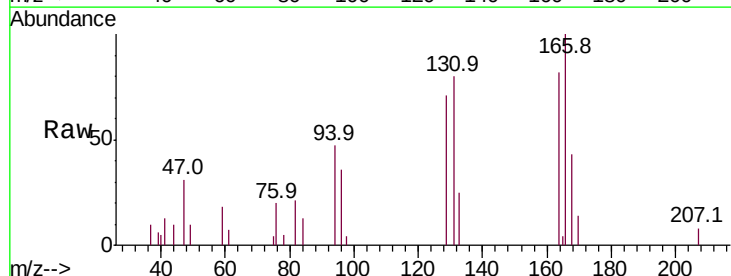
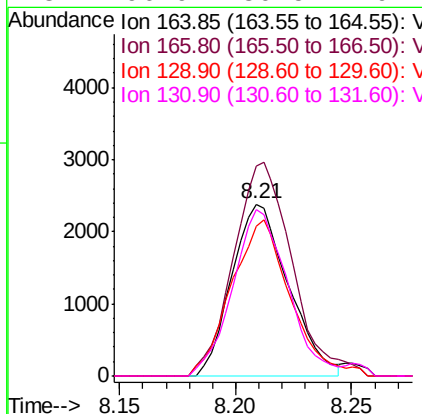
Manual Integrations
 APPROVED

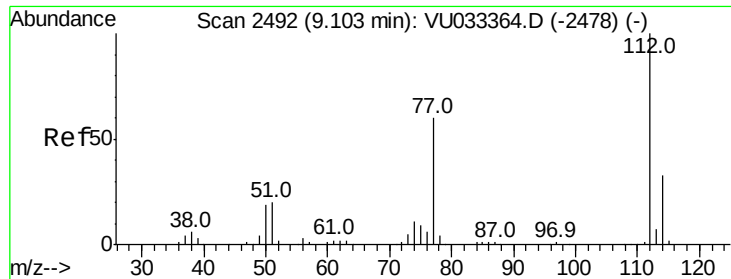
MMDadoda
 7/23/2019 8:54:35 AM



#58
 Tetrachloroethene
 Concen: 0.491 ug/l
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	103.8	155.6
129	86.8	79.7	119.5
131	96.9	80.5	120.7





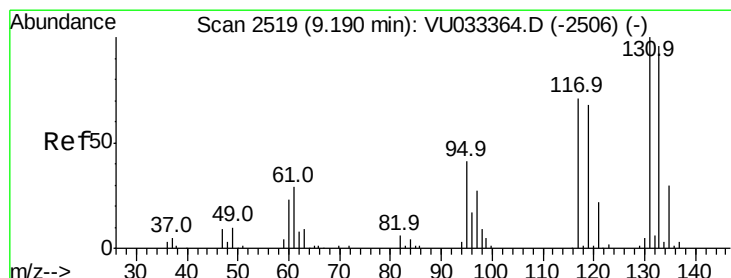
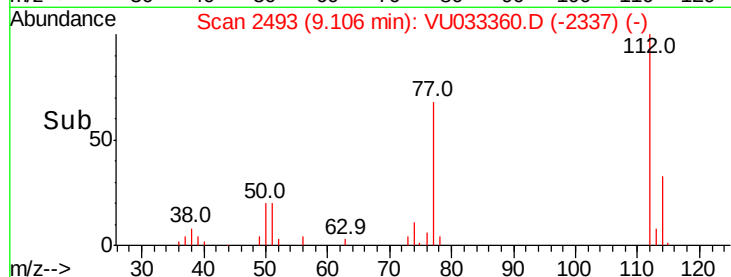
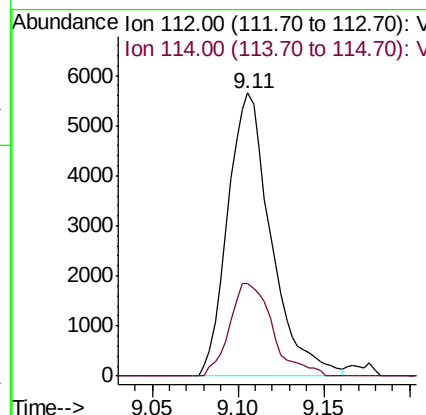
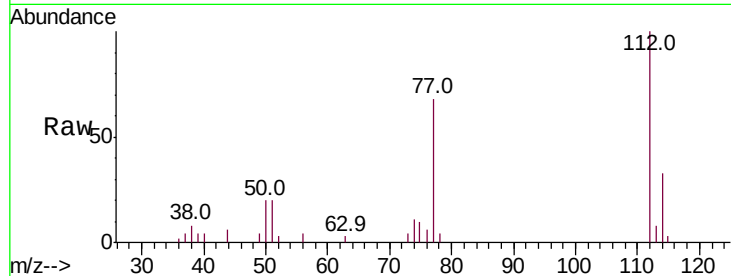
#59
Chlorobenzene
Concen: 0.511 ug/l
RT: 9.11 min Scan# 2493
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 9935
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6

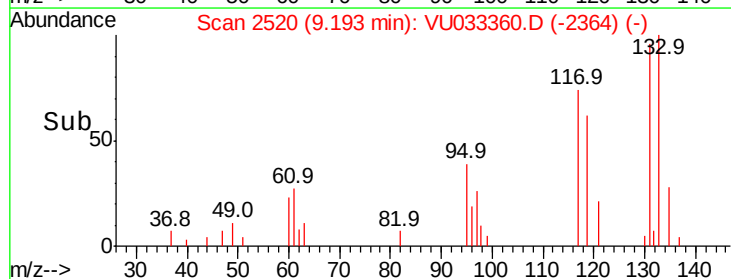
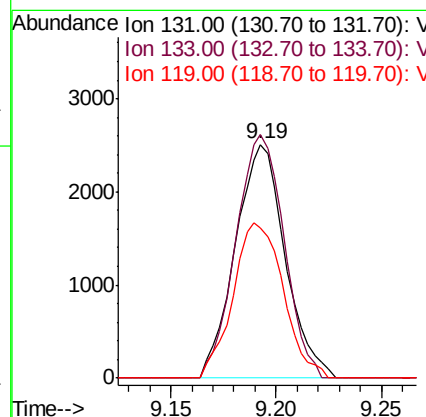
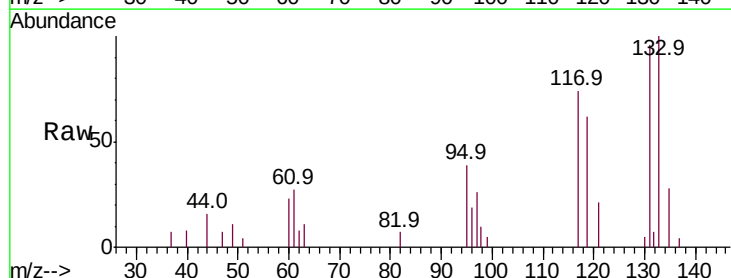
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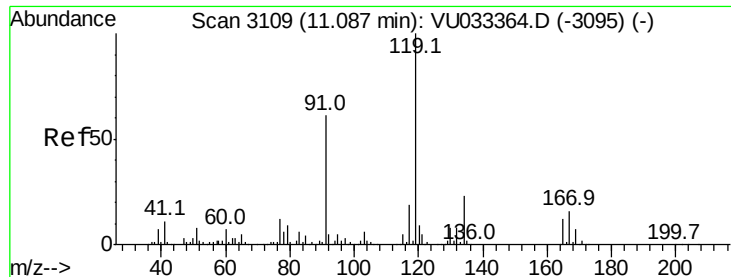
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.546 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion:131 Resp: 4116
Ion Ratio Lower Upper
131 100
133 100.6 76.2 114.4
119 66.9 54.9 82.3





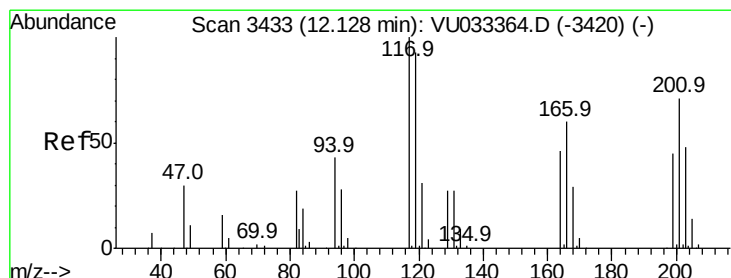
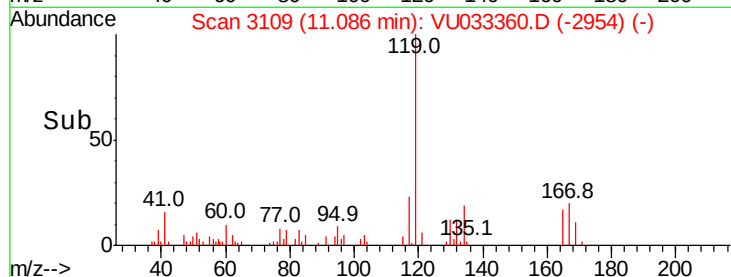
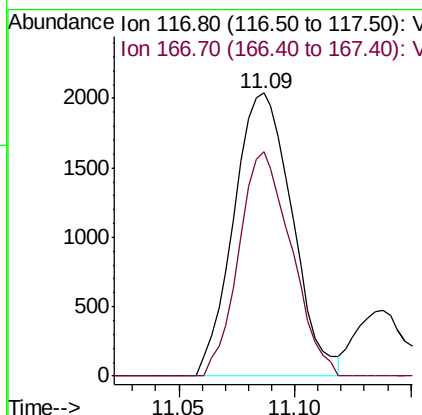
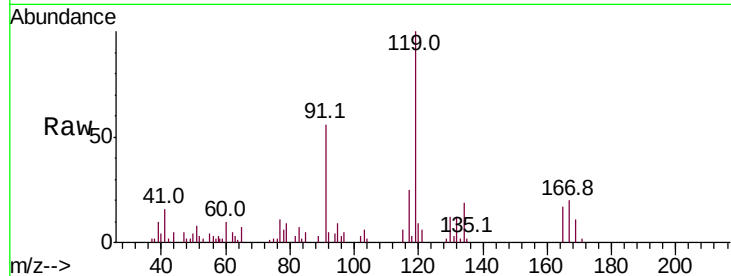
#61
 Pentachloroethane
 Concen: 0.648 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
167	71.3	63.4	95.0

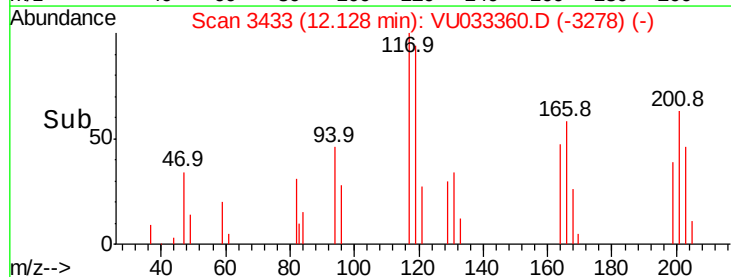
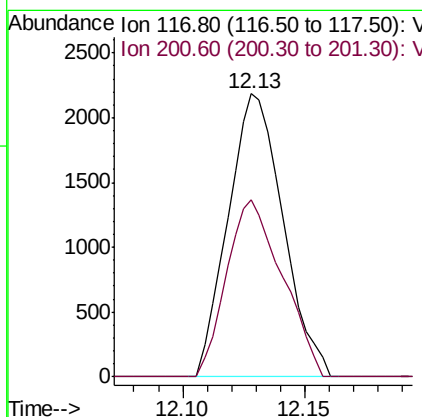
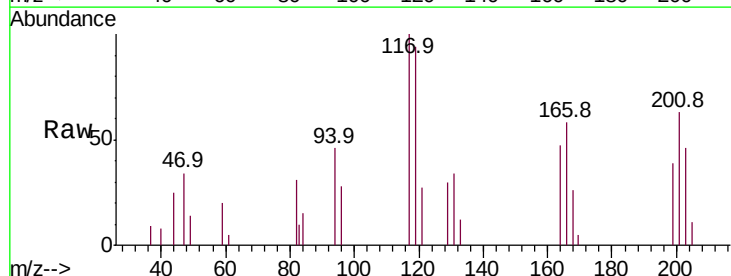
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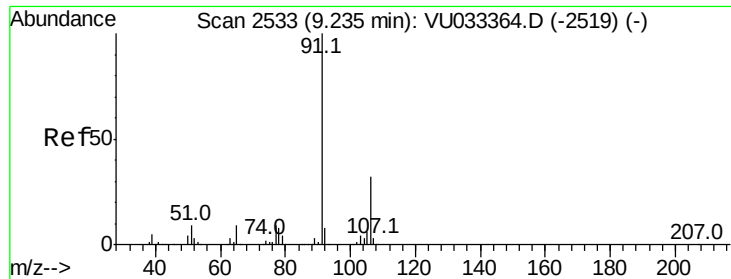
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#62
 Hexachloroethane
 Concen: 0.634 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.5	57.9	86.9





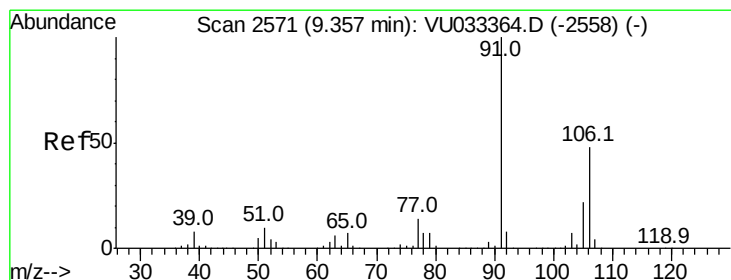
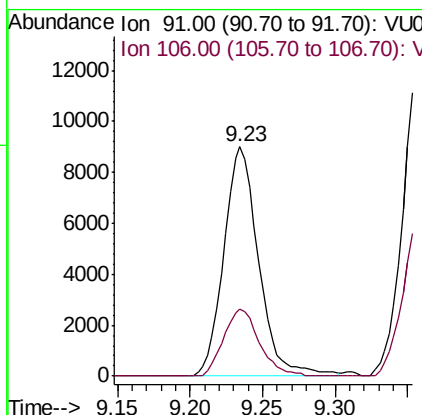
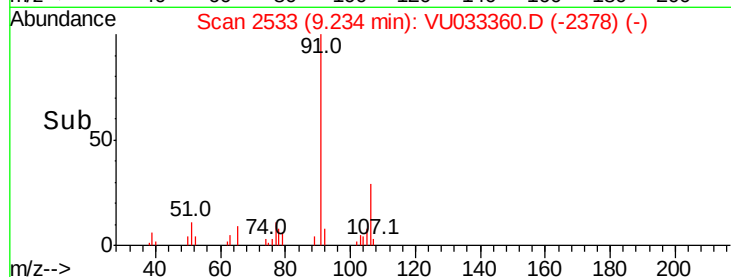
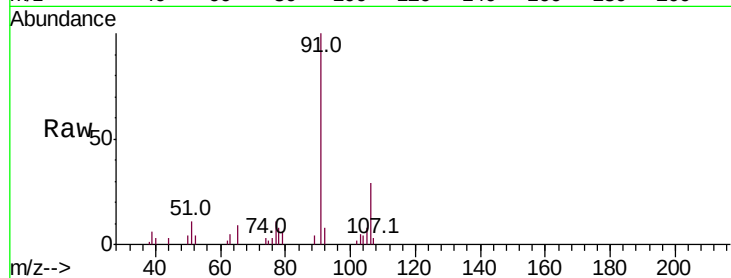
#63
Ethyl Benzene
Concen: 0.474 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 14993
Ion Ratio Lower Upper
91 100
106 29.3 25.4 38.2

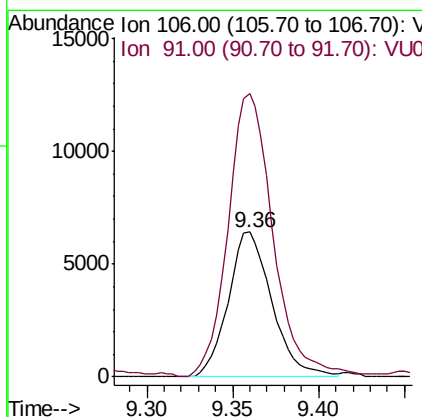
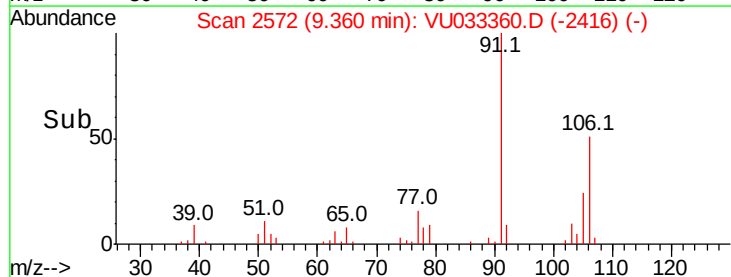
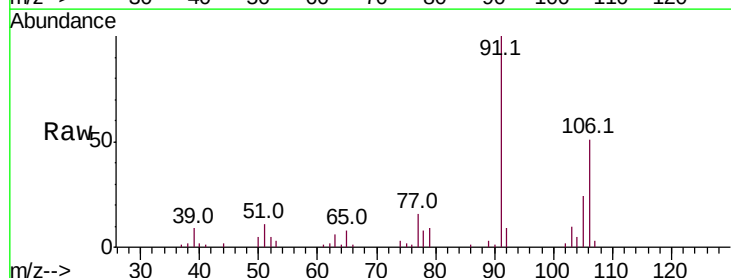
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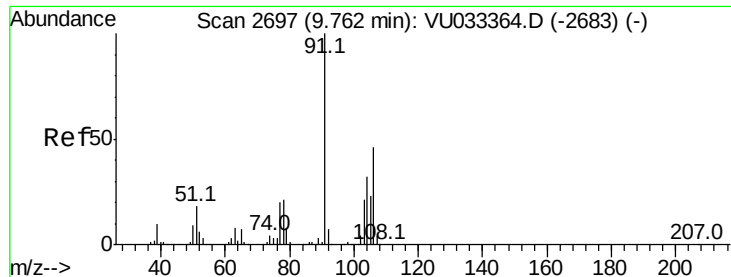
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#64
m/p-Xylenes
Concen: 0.955 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 106 Resp: 11415
Ion Ratio Lower Upper
106 100
91 201.6 167.1 250.7





#65

o-Xylene

Concen: 0.517 ug/l

RT: 9.76 min Scan# 2698

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 6018

Ion Ratio Lower Upper

106 100

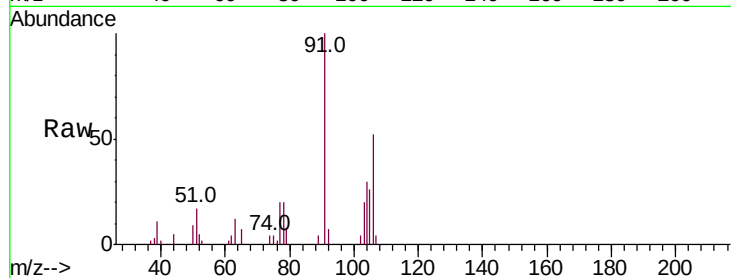
91 203.2 108.5 325.3

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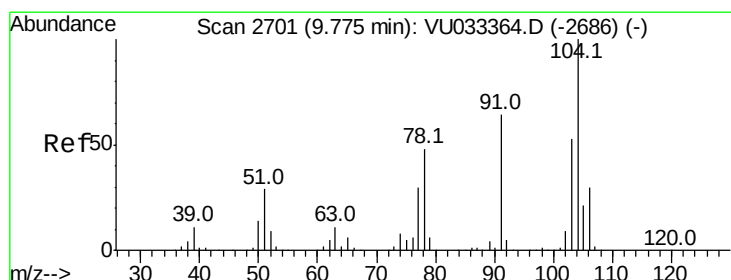
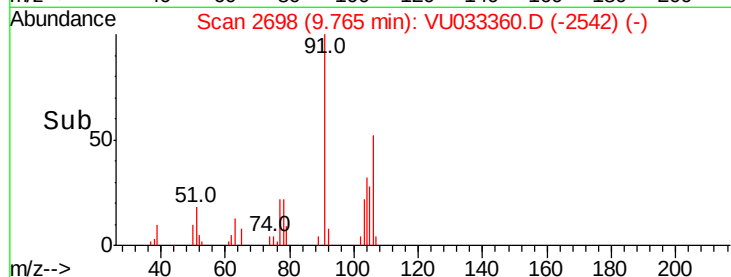
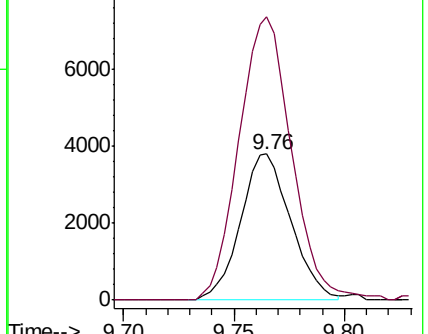
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.454 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

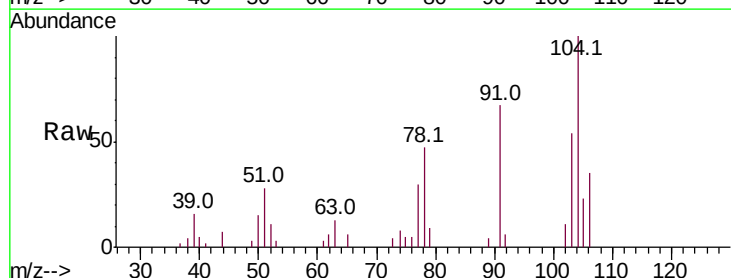
Tgt Ion:104 Resp: 8777

Ion Ratio Lower Upper

104 100

78 52.5 41.2 61.8

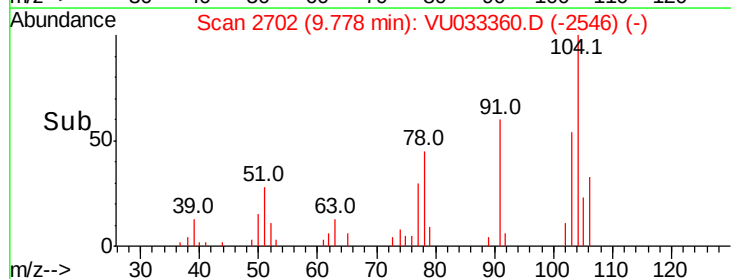
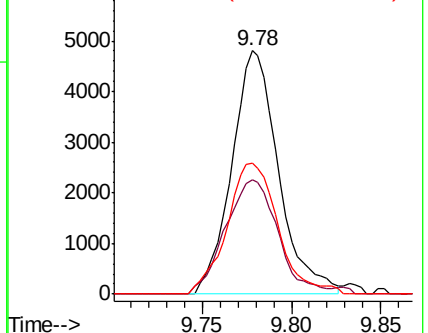
103 58.6 44.7 67.1

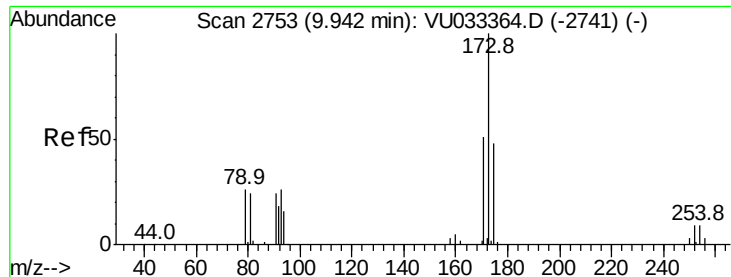


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.452 ug/l

RT: 9.95 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

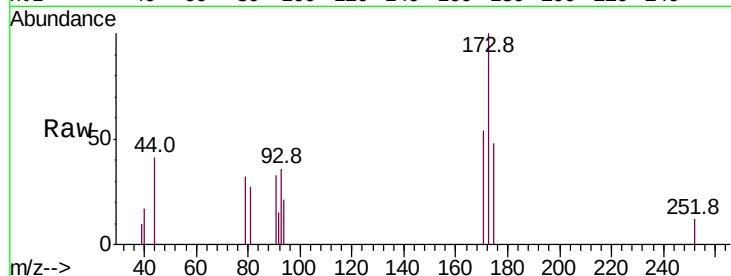
ClientSampled :

VSTDIC0.5

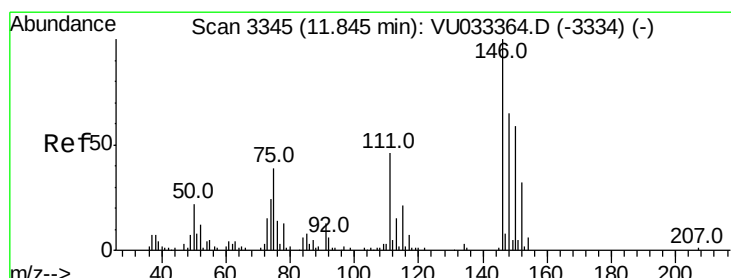
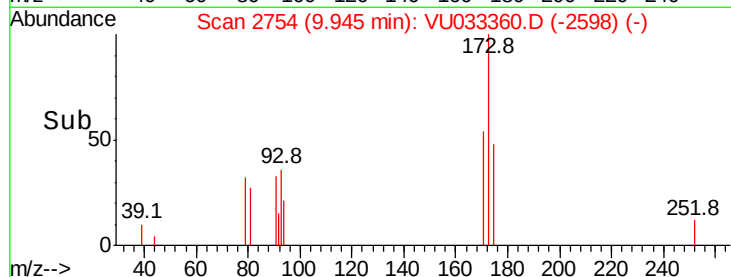
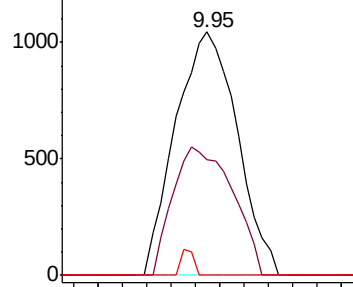
Tot Ion:	173	Resp:	1835
Ion Ratio	Lower	Upper	
173	100		
175	51.4	38.6	58.0
254	2.2	6.8	10.2#

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



#68

1,2-Dichlorobenzene-d4

Concen: 1.117 ug/l

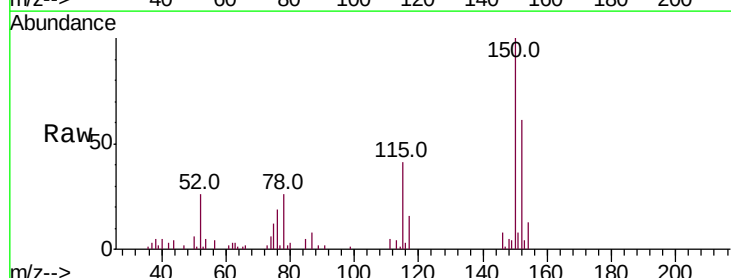
RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

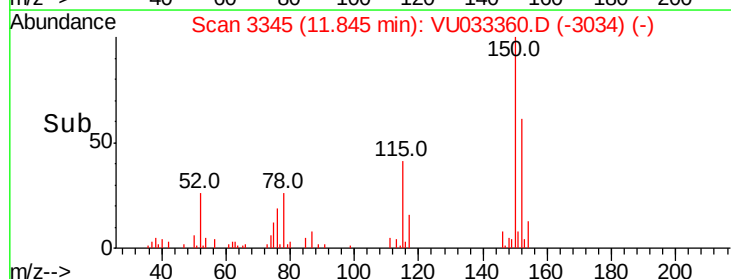
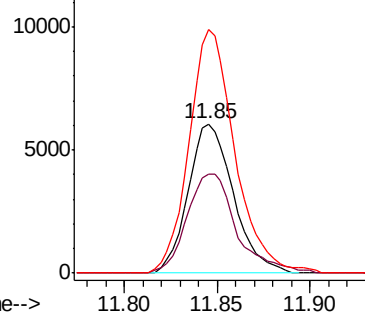
Lab File: VU033360.D

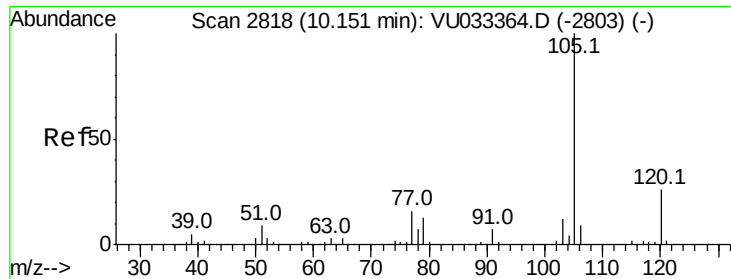
Acq: 22 Jul 2019 17:46

Tgt Ion:	152	Resp:	10250
Ion Ratio	Lower	Upper	
152	100		
115	72.6	0.0	123.2
150	165.6	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





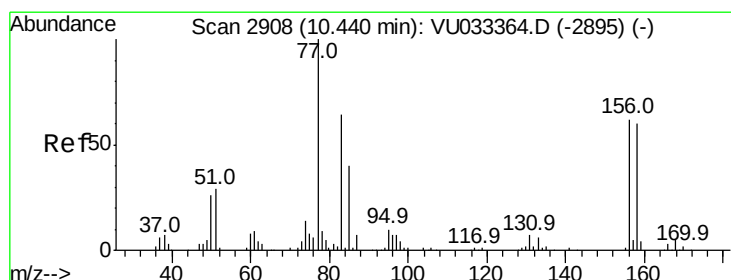
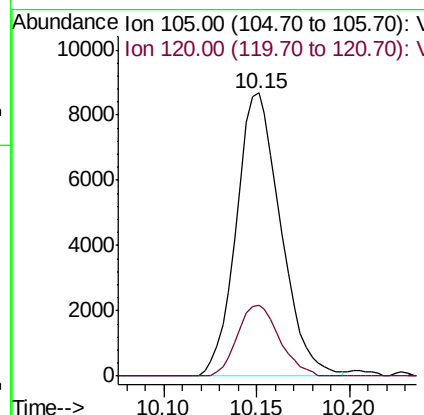
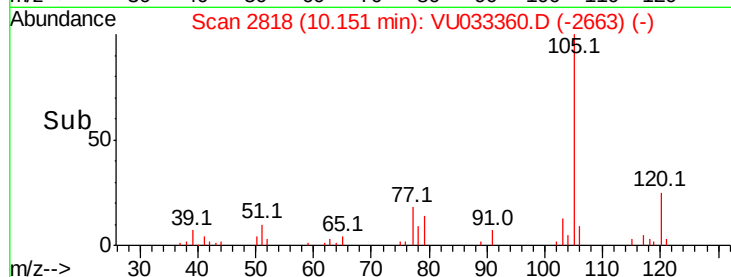
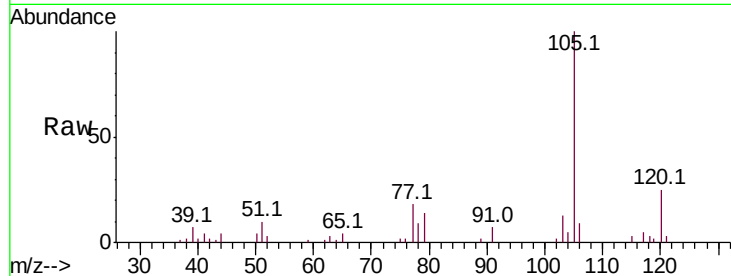
#69
Isopropylbenzene
Concen: 0.476 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:105 Resp: 14432
Ion Ratio Lower Upper
105 100
120 23.7 13.4 40.1

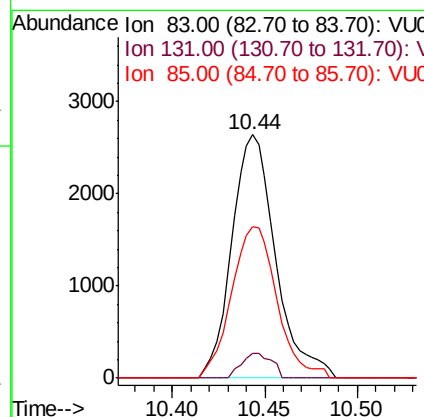
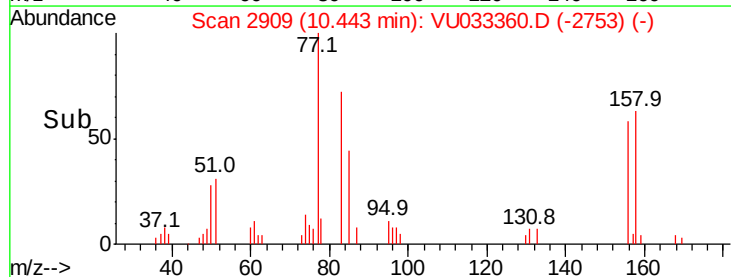
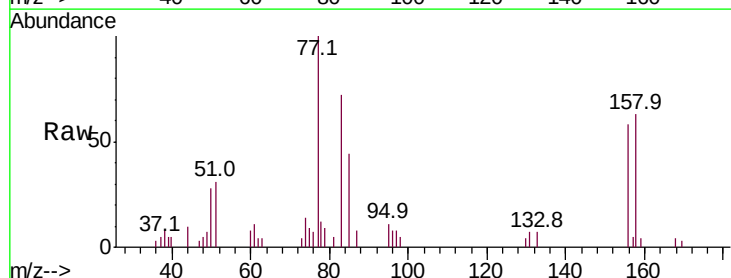
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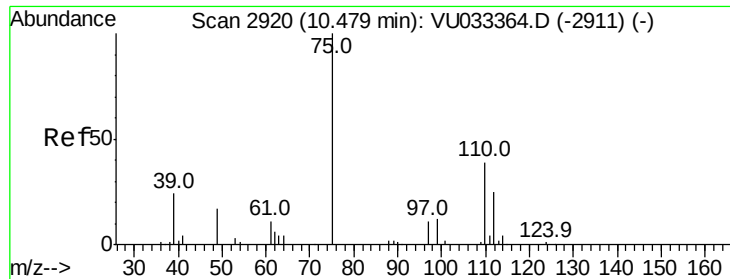
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#70
1,1,2,2-Tetrachloroethane
Concen: 0.522 ug/l
RT: 10.44 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion: 83 Resp: 4337
Ion Ratio Lower Upper
83 100
131 6.9 8.0 12.0#
85 64.6 51.8 77.8





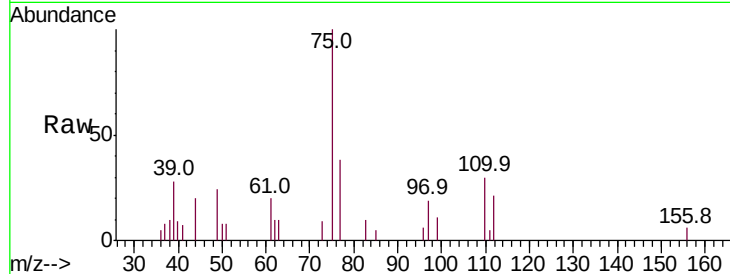
#71
 1,2,3-Trichloropropane
 Concen: 0.600 ug/l m
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	3640
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	18.2
110	26.9	0.0	71.4
97	14.6	0.0	37.8

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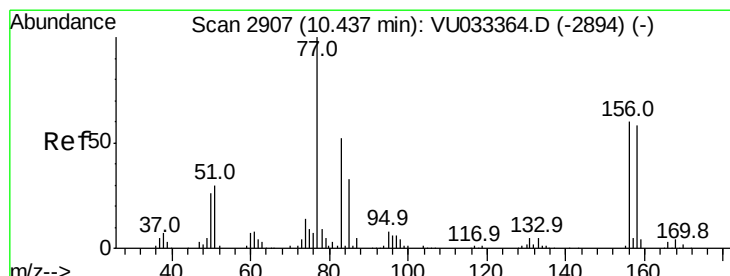
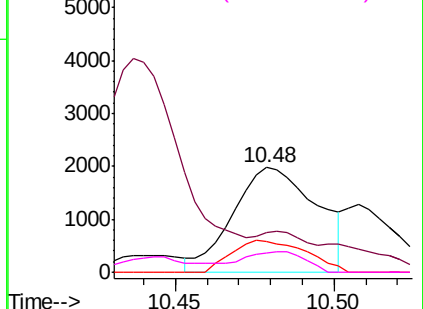
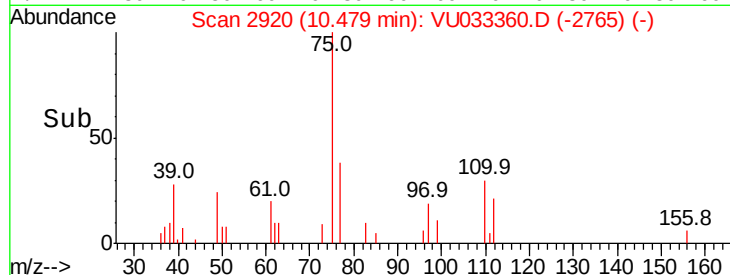
Abundance

Ion 75.00 (74.70 to 75.70): VU033360.D (-2765) (-)

Ion 77.00 (76.70 to 77.70): VU033360.D (-2765) (-)

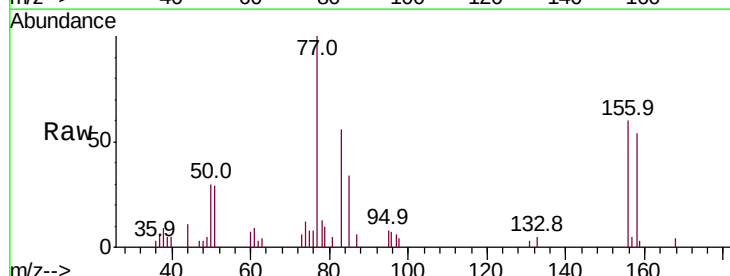
Ion 110.00 (109.70 to 110.70): VU033360.D (-2765) (-)

Ion 97.00 (96.70 to 97.70): VU033360.D (-2765) (-)



#72
 Bromobenzene
 Concen: 0.527 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion:	156	Resp:	4081
Ion	Ratio	Lower	Upper
156	100		
77	179.5	0.0	324.4
158	99.0	0.0	192.4

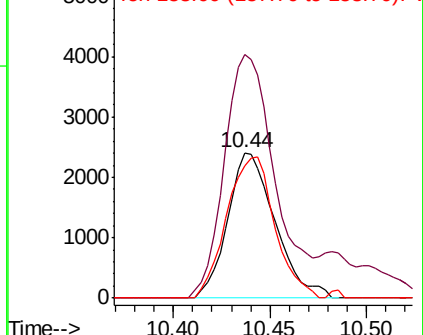
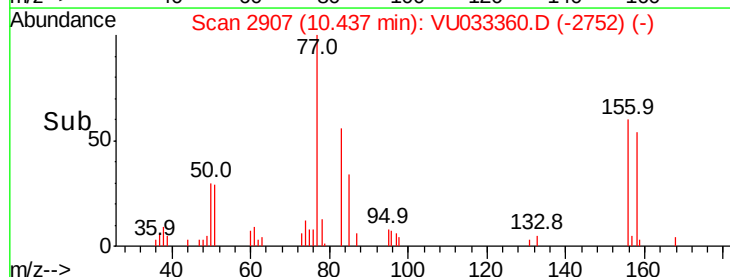


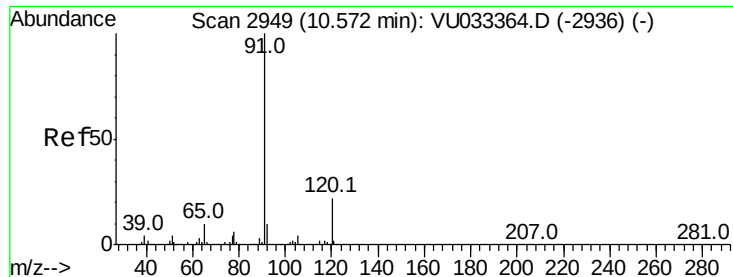
Abundance

Ion 156.00 (155.70 to 156.70): VU033360.D (-2752) (-)

Ion 77.00 (76.70 to 77.70): VU033360.D (-2752) (-)

Ion 158.00 (157.70 to 158.70): VU033360.D (-2752) (-)





#73

n-propylbenzene

Concen: 0.490 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 3910

Ion Ratio Lower Upper

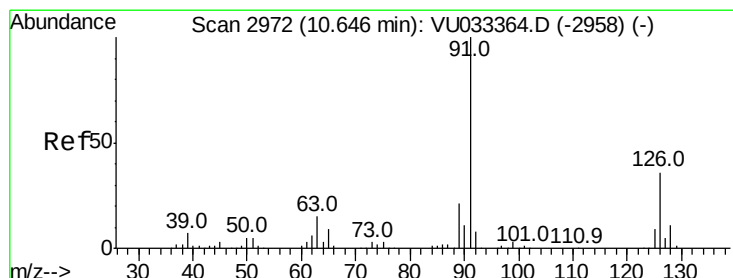
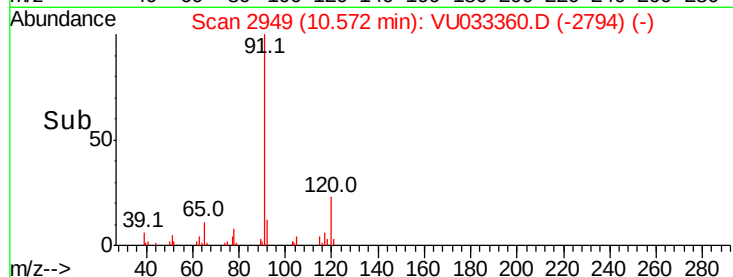
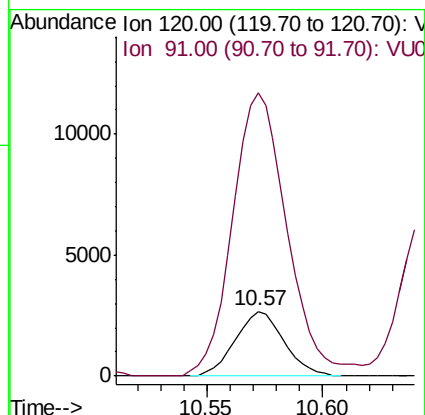
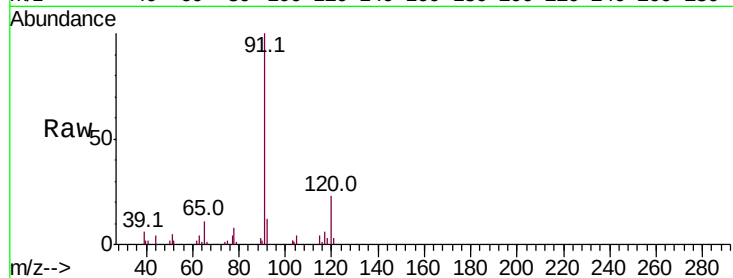
120 100

91 490.2 355.1 532.7

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#74

2-Chlorotoluene

Concen: 0.487 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. -0.00 min

Lab File: VU033360.D

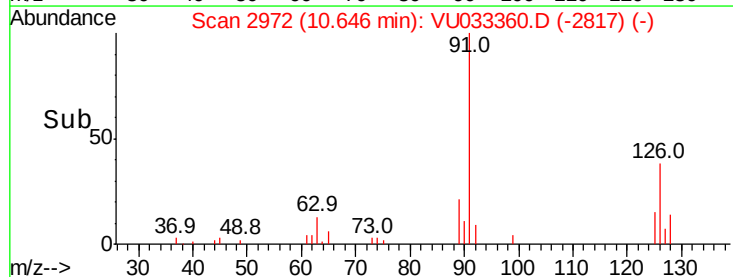
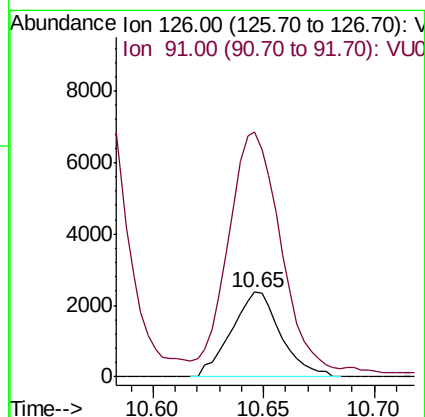
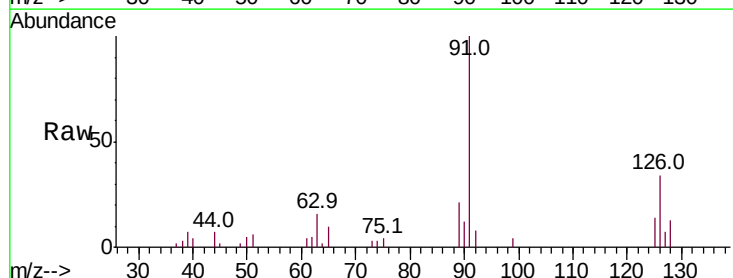
Acq: 22 Jul 2019 17:46

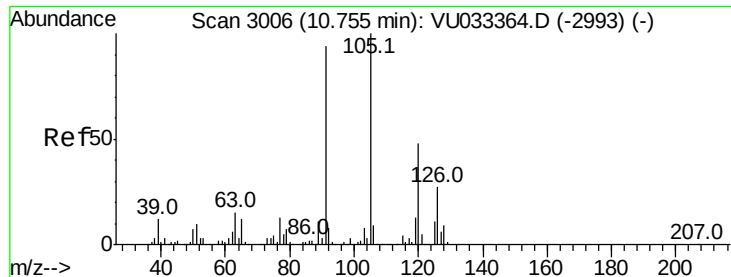
Tgt Ion:126 Resp: 3683

Ion Ratio Lower Upper

126 100

91 292.4 0.0 598.0





#75

1,3,5-Trimethylbenzene

Concen: 0.460 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 12013

Ion Ratio Lower Upper

105 100

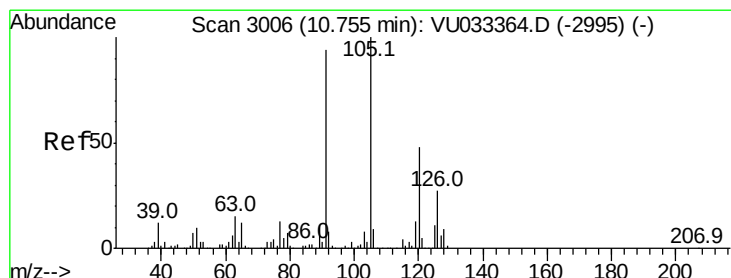
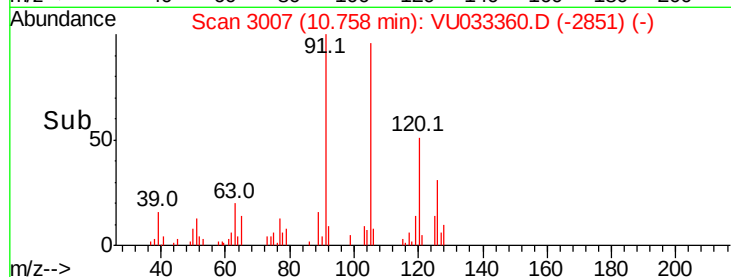
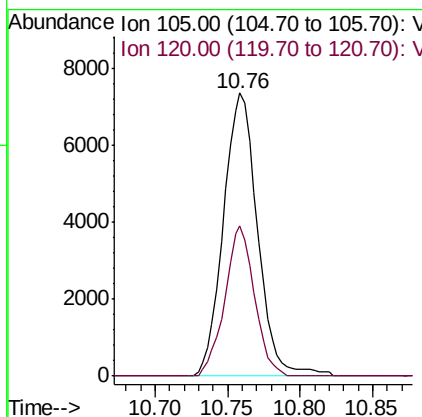
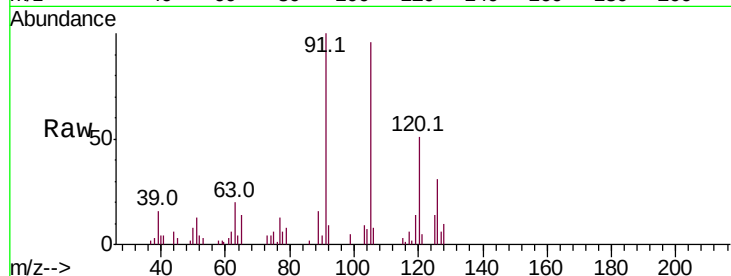
120 45.8 38.2 57.4

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#76

4-Chlorotoluene

Concen: 0.523 ug/l

RT: 10.76 min Scan# 3008

Delta R.T. 0.01 min

Lab File: VU033360.D

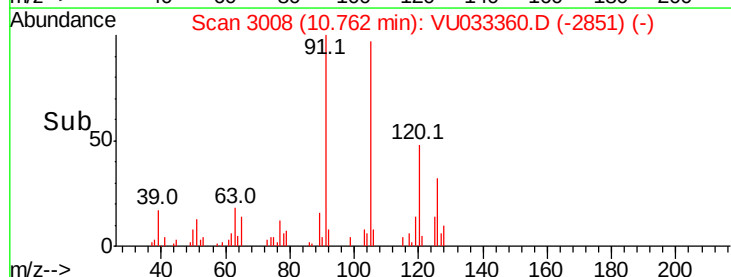
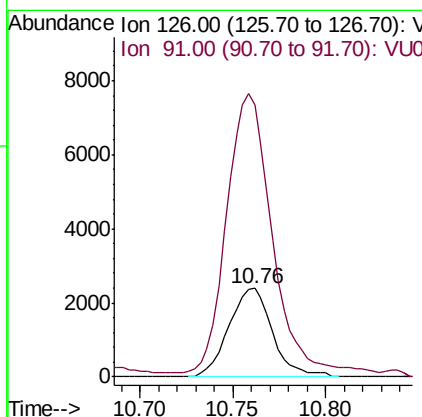
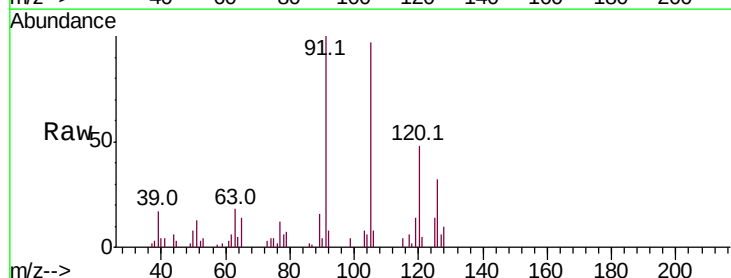
Acq: 22 Jul 2019 17:46

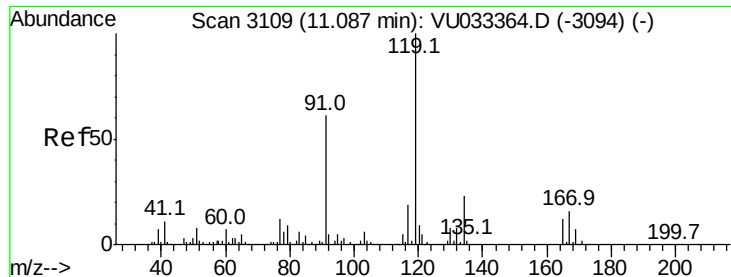
Tgt Ion:126 Resp: 3893

Ion Ratio Lower Upper

126 100

91 326.1 0.0 681.0





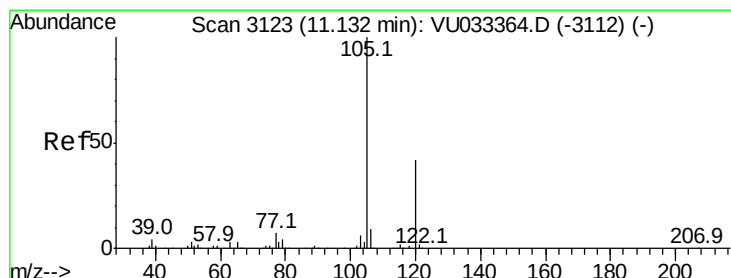
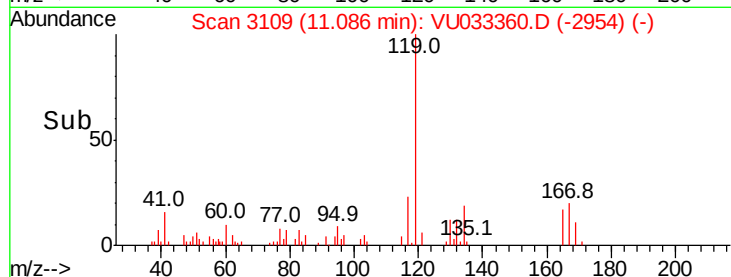
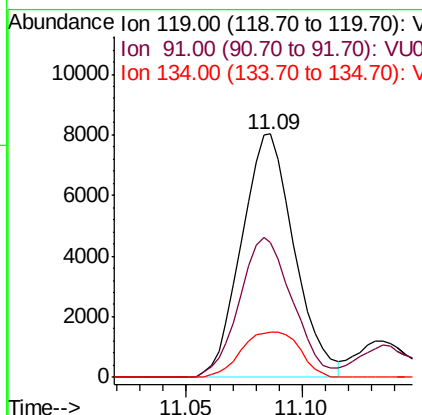
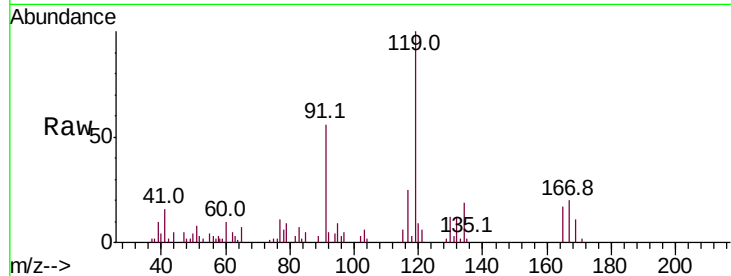
#77
tert-Butylbenzene
Concen: 0.518 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. -0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	30.4	91.3
134	20.6	18.5	27.7

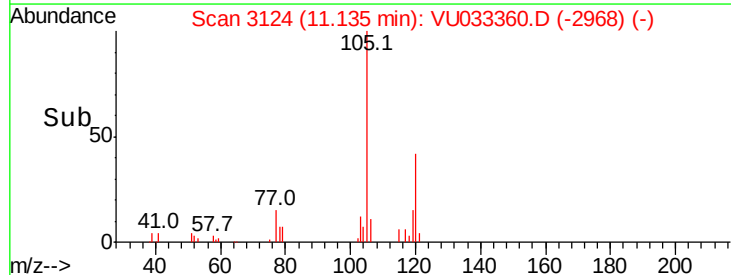
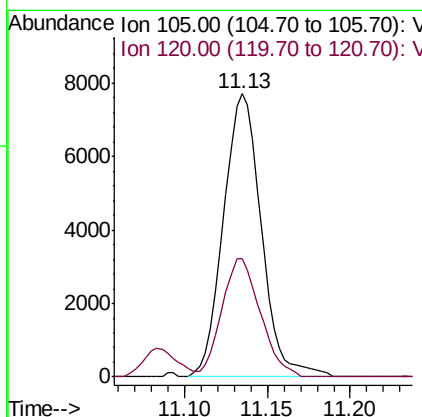
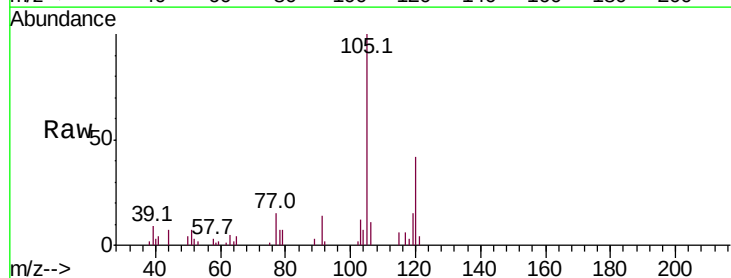
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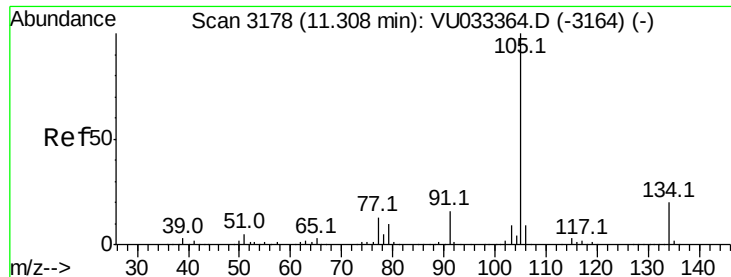
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#78
1,2,4-Trimethylbenzene
Concen: 0.464 ug/l
RT: 11.13 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VU033360.D
Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.5	67.5





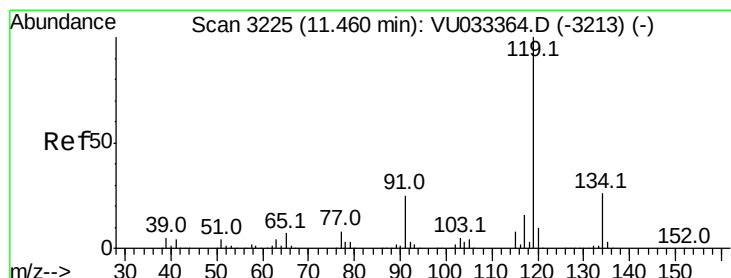
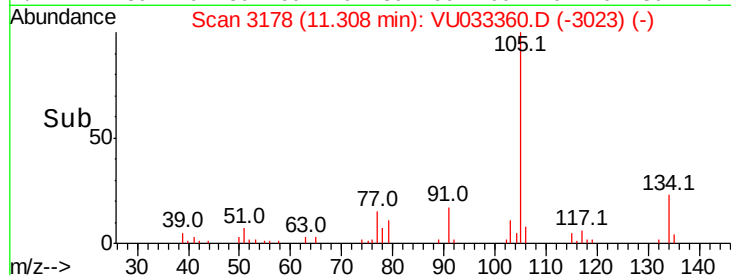
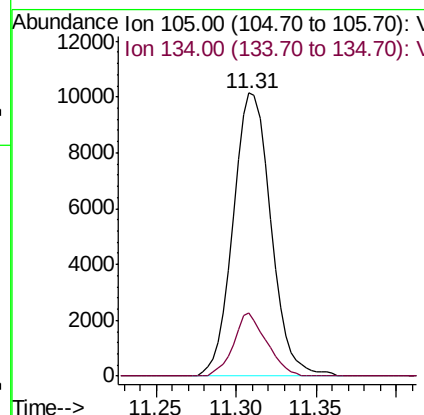
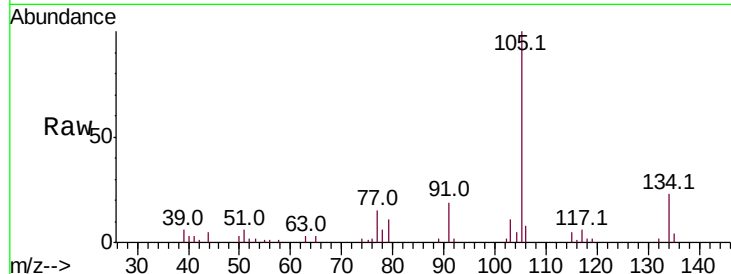
#79
 sec-Butylbenzene
 Concen: 0.486 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.5	23.3

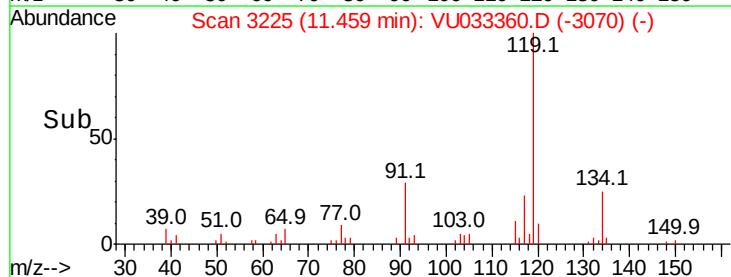
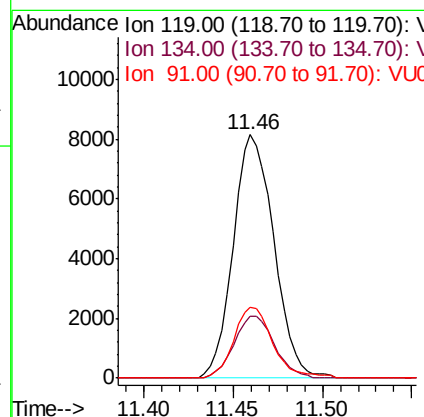
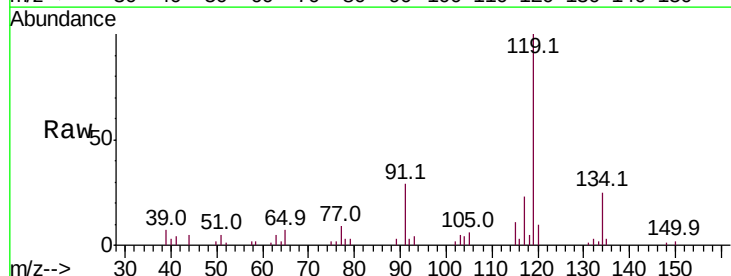
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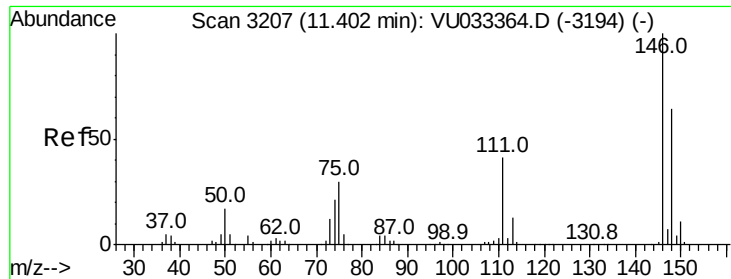
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#81
 p-Isopropyltoluene
 Concen: 0.490 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	21.0	31.4
91	28.0	19.8	29.6





#82

1,3-Dichlorobenzene

Concen: 0.596 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

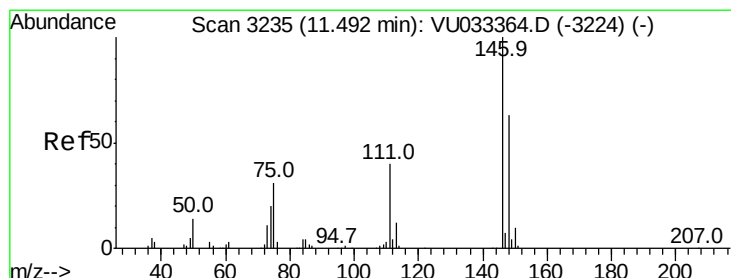
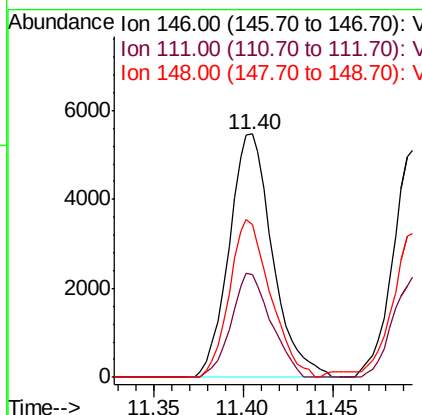
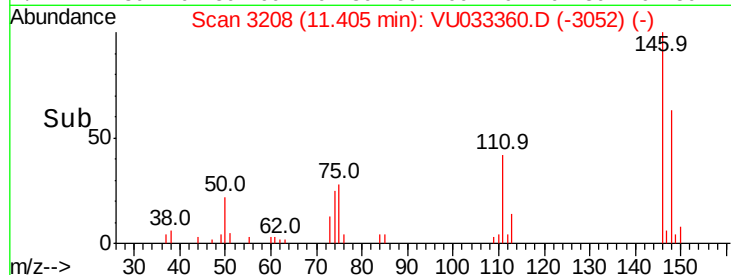
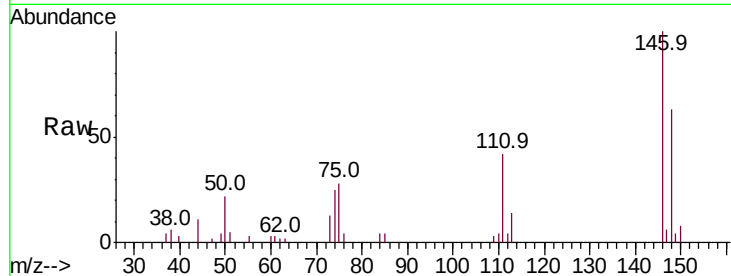
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	9234
Ion Ratio	Lower	Upper	
146	100		
111	39.2	33.3	49.9
148	61.3	50.8	76.2

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#83

1,4-Dichlorobenzene

Concen: 0.579 ug/l

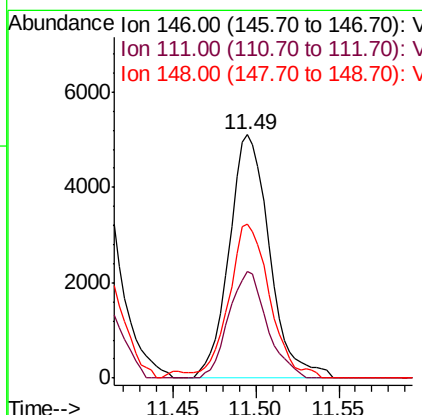
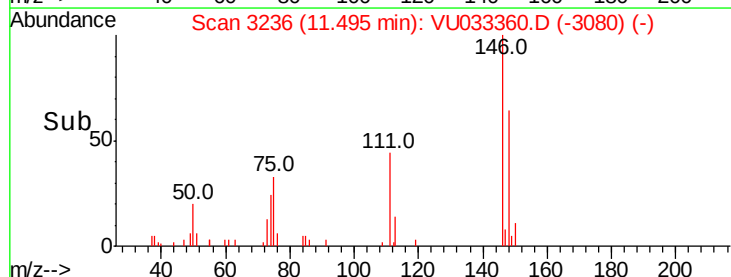
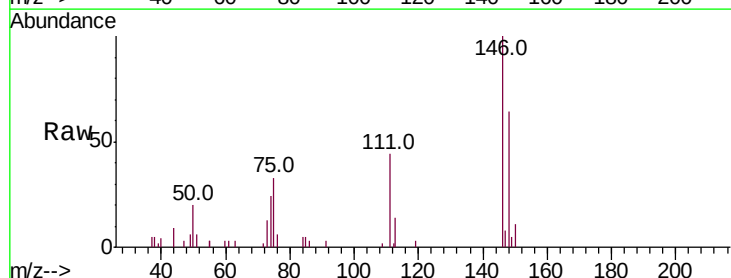
RT: 11.49 min Scan# 3236

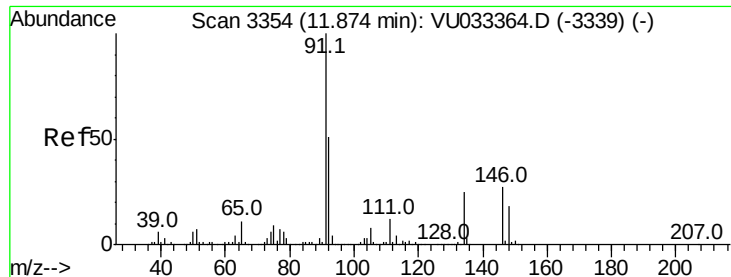
Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	146	Resp:	8657
Ion Ratio	Lower	Upper	
146	100		
111	41.4	32.2	48.4
148	64.0	51.0	76.4





#84

n-Butylbenzene

Concen: 0.545 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

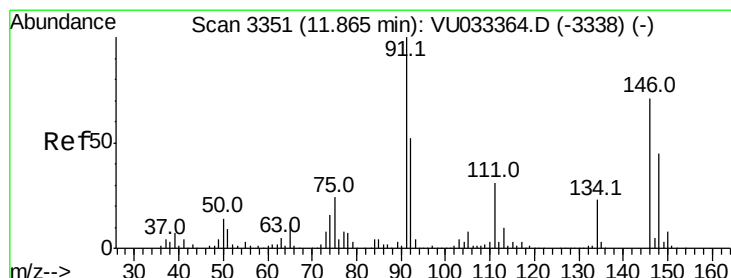
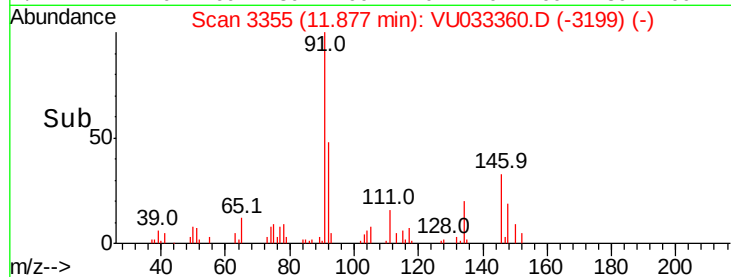
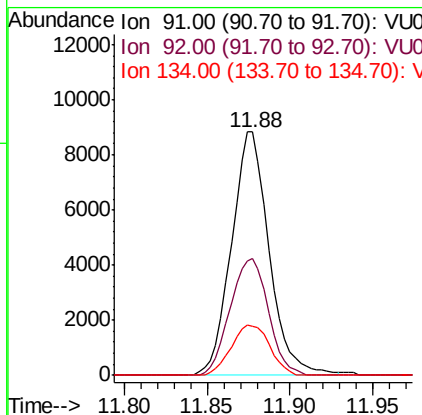
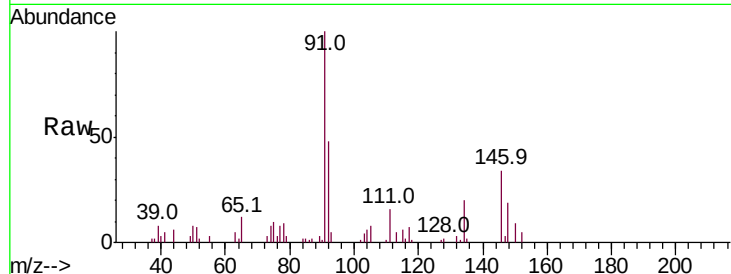
ClientSampled :

VSTDIC0.5

Tot Ion:	91	Resp:	13950
Ion	Ratio	Lower	Upper
91	100		
92	48.6	41.0	61.6
134	21.0	19.5	29.3

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#85

1,2-Dichlorobenzene

Concen: 0.571 ug/l

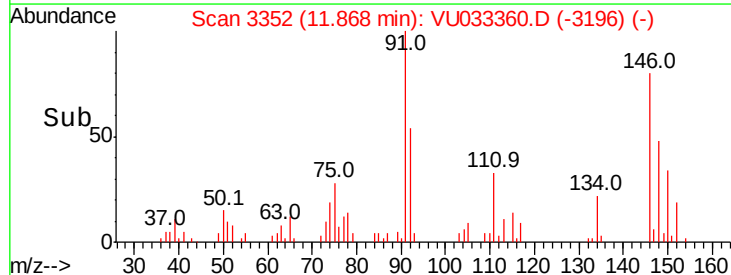
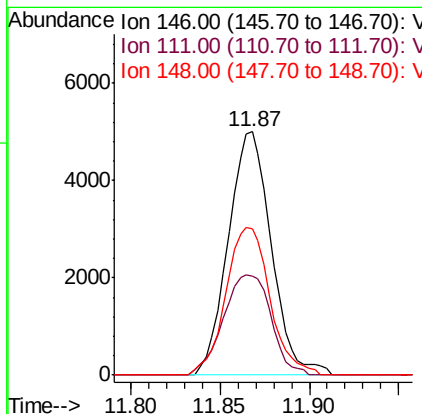
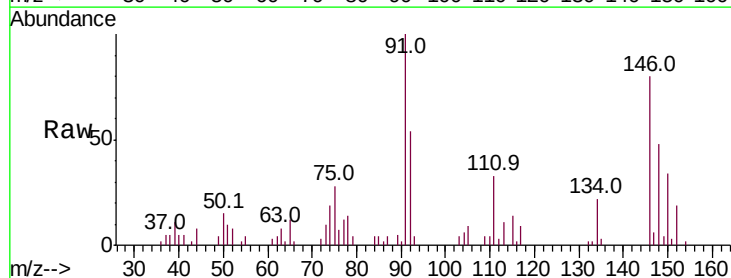
RT: 11.87 min Scan# 3352

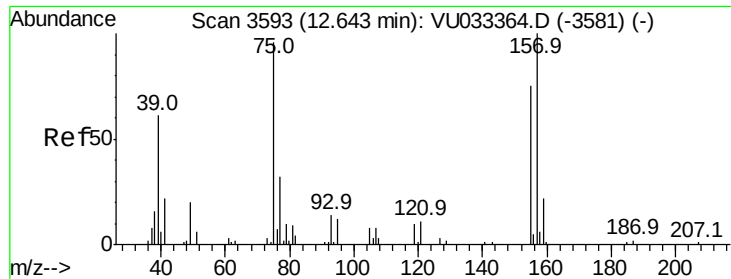
Delta R.T. 0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	146	Resp:	8429
Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.7	65.1
148	62.0	32.0	96.0





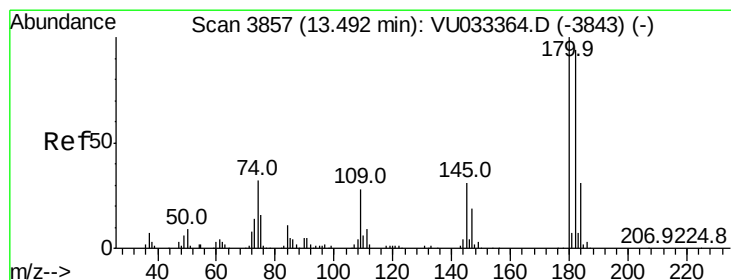
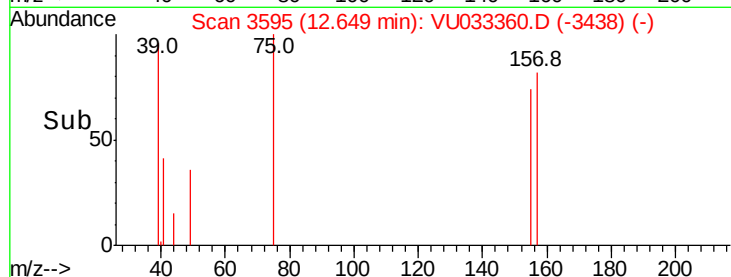
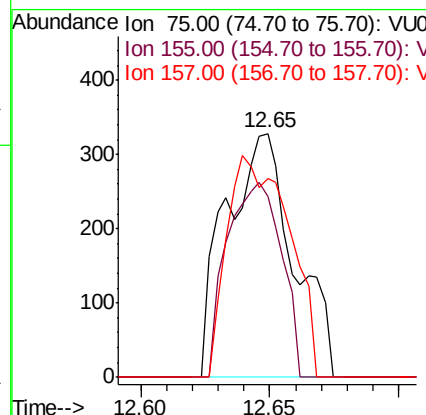
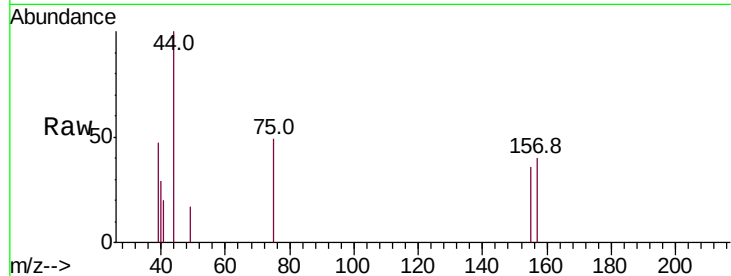
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.499 ug/l
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.01 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
155	63.8	63.3	94.9
157	83.3	82.5	123.7

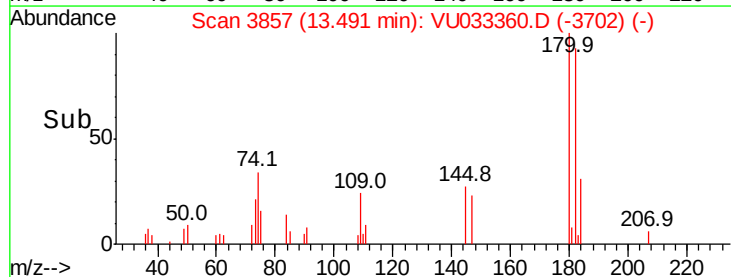
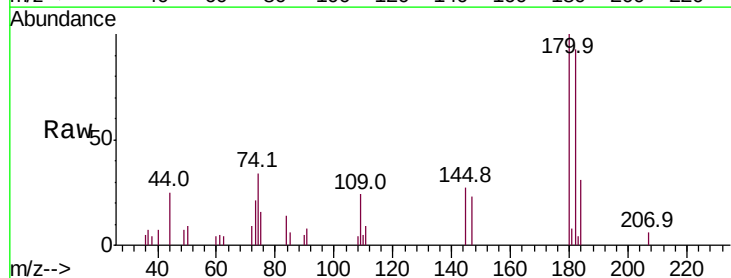
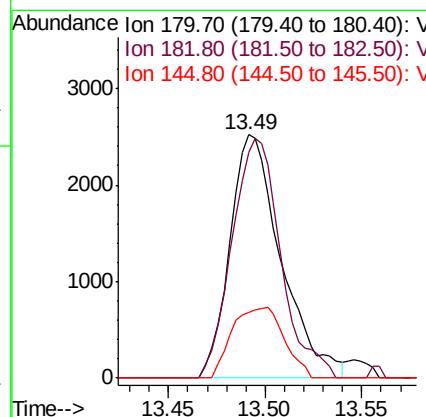
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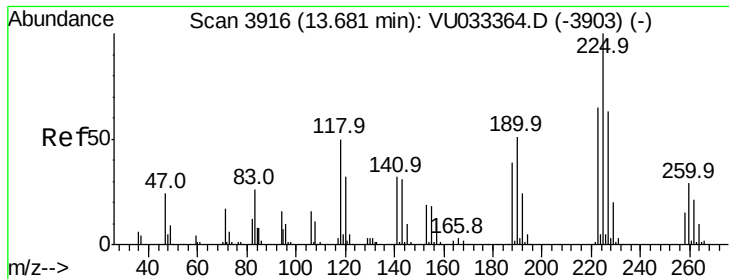
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.604 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.2	114.4
145	29.4	25.0	37.4





#88

Hexachlorobutadiene

Concen: 0.632 ug/l

RT: 13.68 min Scan# 3916

Delta R.T. -0.00 min

Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Instrument :

MSVOA_U

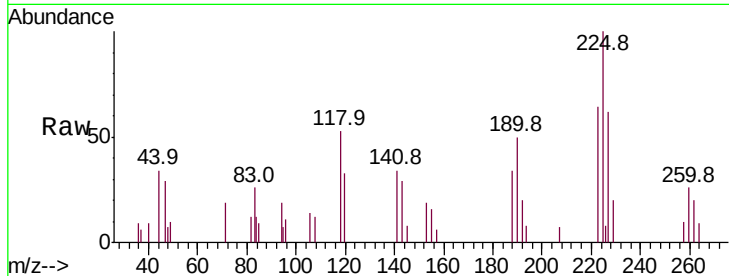
ClientSampled :

VSTDIC0.5

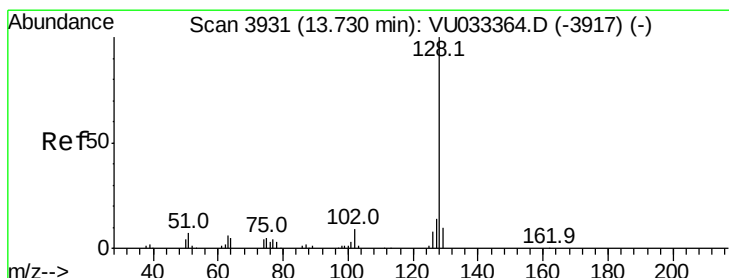
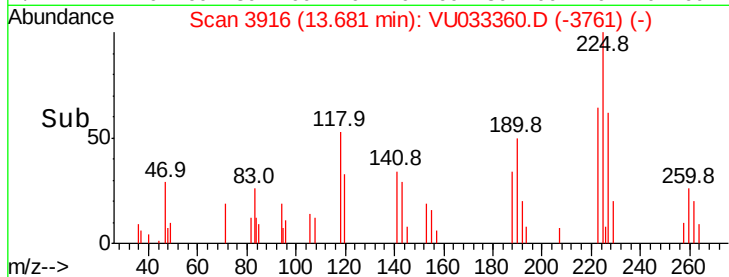
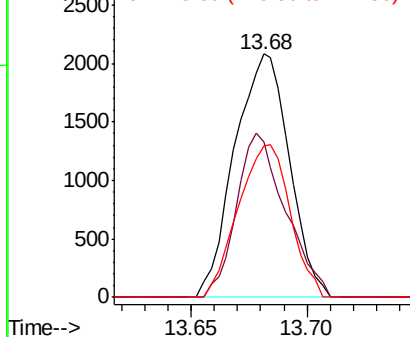
Tot Ion:	225	Resp:	3401
Ion	Ratio	Lower	Upper
225	100		
223	60.7	52.2	78.4
227	59.8	51.7	77.5

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



#89

Naphthalene

Concen: 0.470 ug/l

RT: 13.73 min Scan# 3932

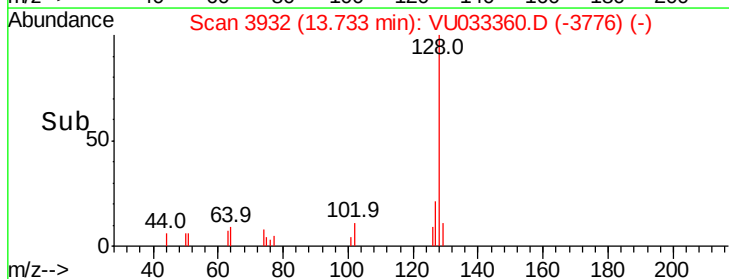
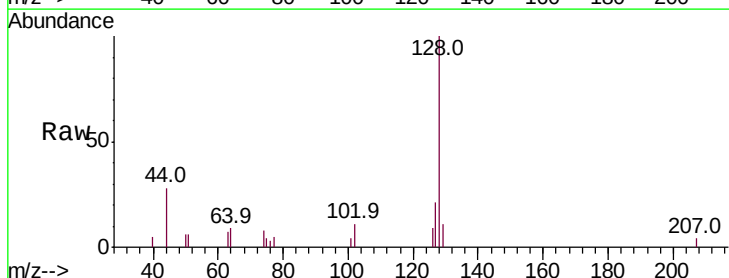
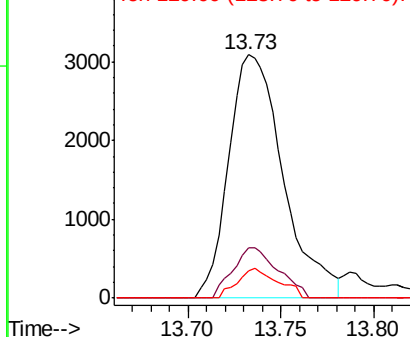
Delta R.T. 0.00 min

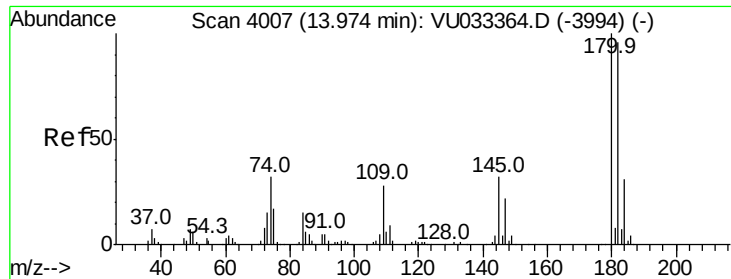
Lab File: VU033360.D

Acq: 22 Jul 2019 17:46

Tgt Ion:	128	Resp:	6313
Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.8	16.2#
129	9.0	8.5	12.7

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





#90
 1,2,3-Trichlorobenzene
 Concen: 0.546 ug/l
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033360.D
 Acq: 22 Jul 2019 17:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	180	Resp:	4256
Ion Ratio	Lower	Upper	
180	100		
182	90.1	77.9	116.9
145	28.6	25.8	38.8

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